

APPENDICES

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APPENDIX A

CONCEPT SKETCHES AND DETAILS

Northern Parcel — Central Meadow Area



The majority of the northern meadow area will be left natural and allowed to proceed with normal succession. A small portion of the meadow, approximately one acre, will be mowed and maintained. The shape of the recreation area will be organic without harsh edges. Additionally, a few grass loop trails will be maintained to guide visitors around the meadow and provide them with a chance to explore and observe the native wildflowers and insects. These paths will eventually lead preserve users into the adjacent forest habitat. Educational signage, a new kiosk and/or a natural gazebo structure may be constructed.

Northern/Southern Parcel — Woodland Trail Main Loop



Walking Trails with Rustic Seating



EXISTING

The proposed main loop trail will utilize several sections of already existing trails at the Preserve. Specifically, only the sustainable portions will be used and any portions that are showing visible signs of erosion or standing water will be abandoned and a new trail will be constructed. Existing and proposed trails will be wide enough to accommodate two people walking side by side, whereas, the single track spur trails will accommodate only one person. The main loop will be outfitted with rustic seating to allow users with a place to rest, meditate and enjoy nature.

Northern/Southern Parcel — Woodland Spur Trails



The woodland spur trails will provide a closer connection to nature and a more intimate way to experience the natural forest environment at the Bridge Preserve. Notice the existing and concept are similar — this is because well-designed and constructed 18” trails have minimal impact on the environment and naturally blend into the environment. The trails will be built sustainably, following guidelines established by the International Mountain Bicycling Association (IMBA). These spur trails will also help make regional connections to adjacent public lands.



Spur Trails for Hiking and Biking

Southern Parcel — Lake Area and Viewshed



Access to the Sawkill Pond will be permitted at two locations along the shoreline, Fishing will be permitted, however, boating and swimming will not be allowed. In addition to a few picnic tables and trash receptacles, a viewfinder may be purchased for the lake area. With a bald eagle nest located on the western side of Sawkill Pond, a viewing deck at the Bridge Preserve allows preserve users to take a closer look at the nest. The viewfinder and educational signage will educate and provide insight into the birds behavior and natural habitat.



Bald Eagle Viewing Deck

Northern/Southern Parcel — Environmental Education Opportunities



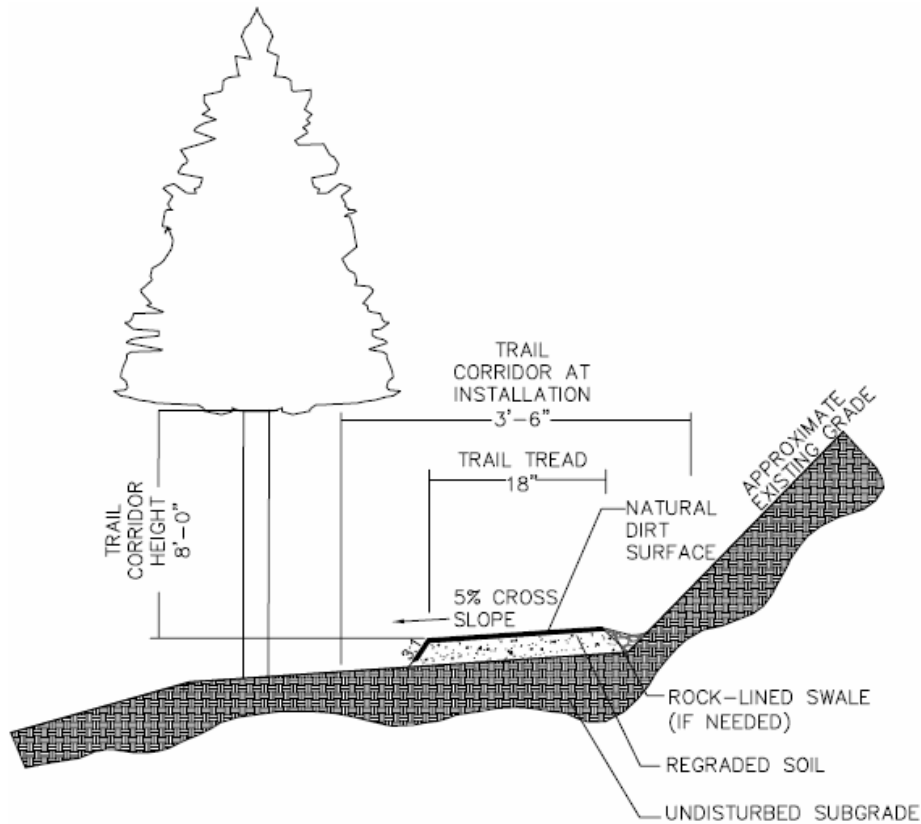
Pond Ecology Signage



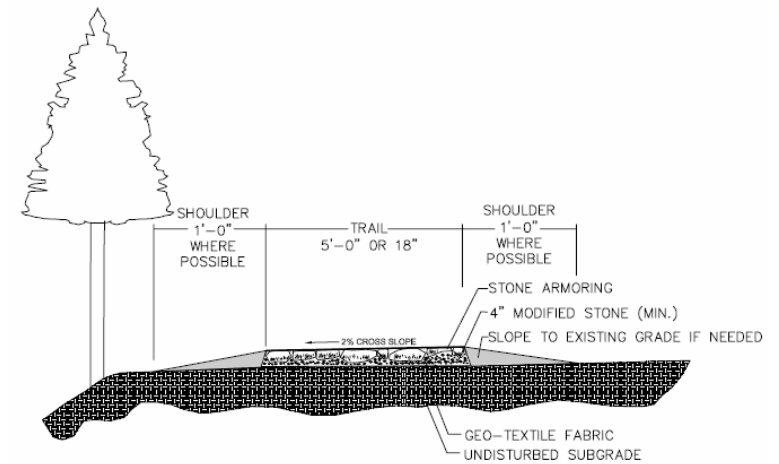
Nature Trail with Tree ID Tags

Environmental Education opportunities will be located throughout the Bridge Preserve. Examples of educational topics includes pond ecology, wetland habitat, watershed importance, native plants and hardwood forest, meadow habitat and succession, species of special concern and drinking water. The Preserve will utilize, kiosks for larger and general displays, kiosks for specific habitats and tree identification tags.

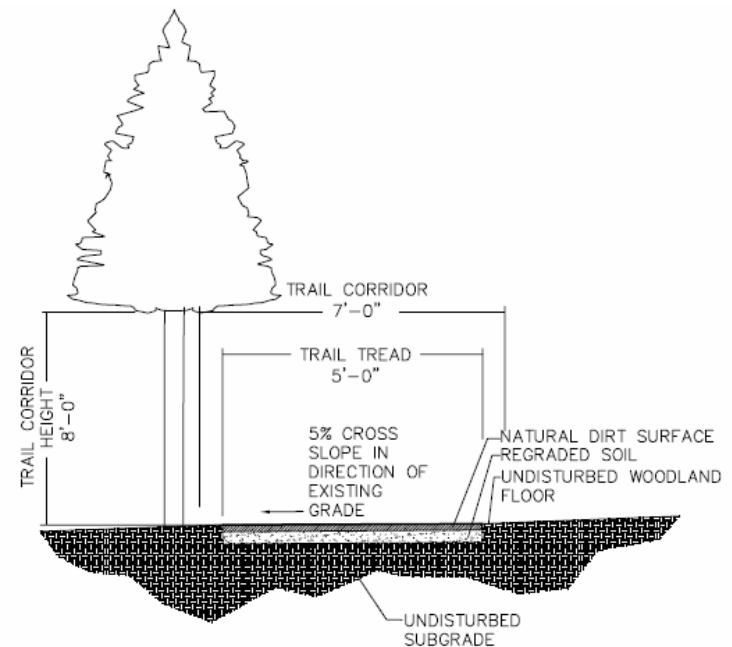
Construction Details – Woodland Trails



Typical Spur Trail Section

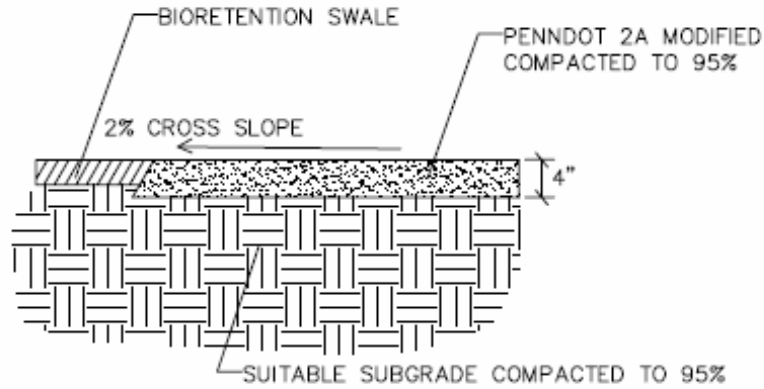


Typical Section for Wet/Soft Areas

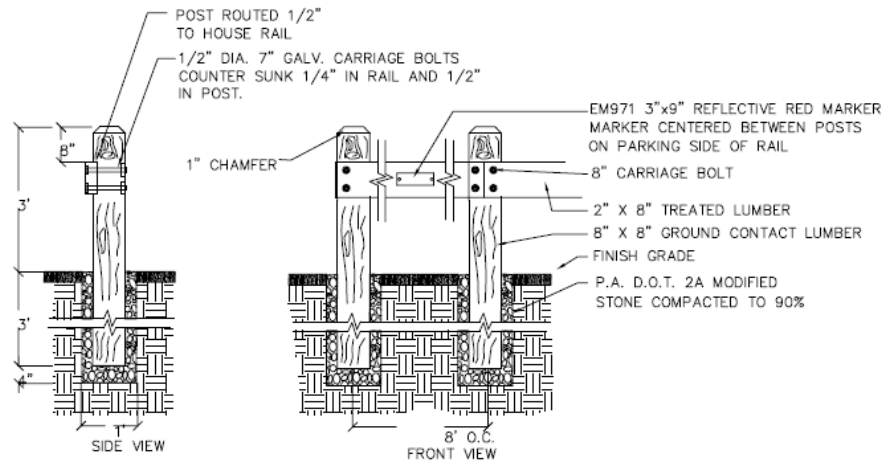


Typical Main Trail Section

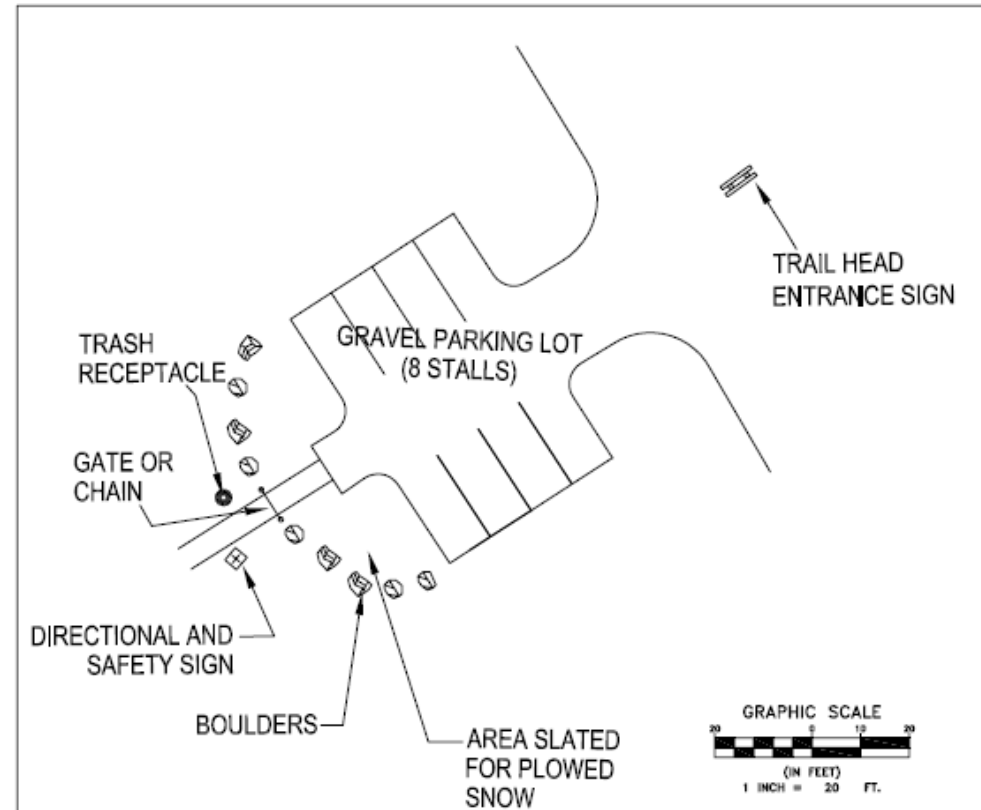
Construction Details – Trail Heads



Gravel Parking Lot Detail

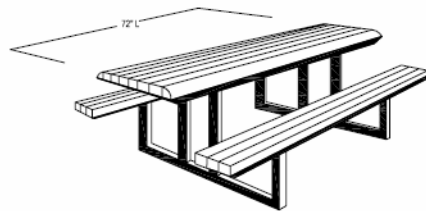


Guard Rail Detail



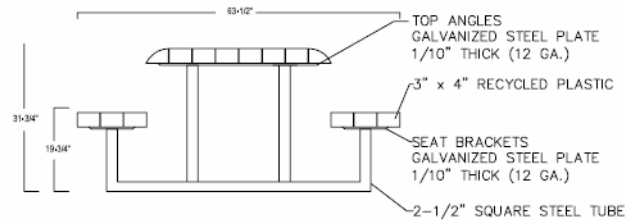
Typical Parking Lot Layout

Construction Details – Amenities

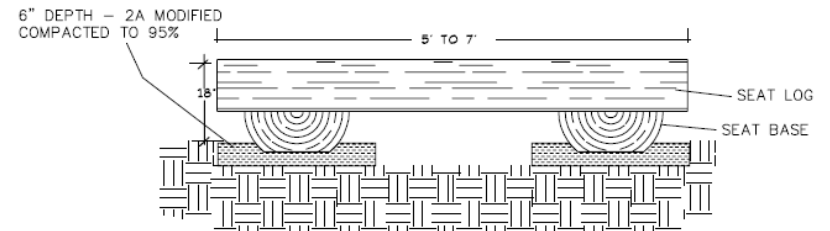
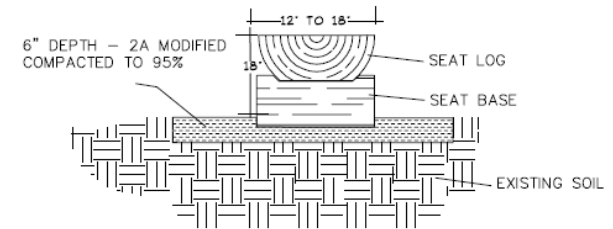


NOTES
ENTIRE FRAME IS POWDER-COATED BLACK
ALL HARDWARE IS ZINC-PLATED

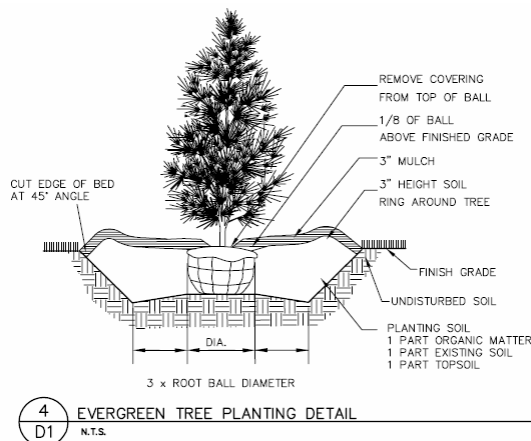
MANUFACTURER: BELSON
OUTDOORS,
NORTH AURORA, IL
MODEL: GS-6P
CONTACT: WWW.BELSON.COM
(1-800-323-5664)



Picnic Table Detail

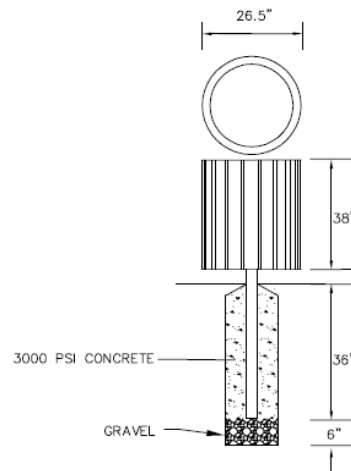


Rustic Bench Detail

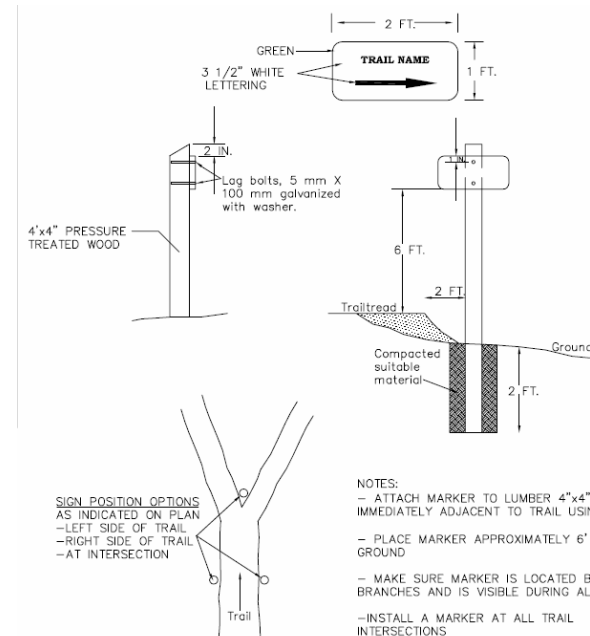


4
D1 EVERGREEN TREE PLANTING DETAIL
N.T.S.

Tree Planting Detail

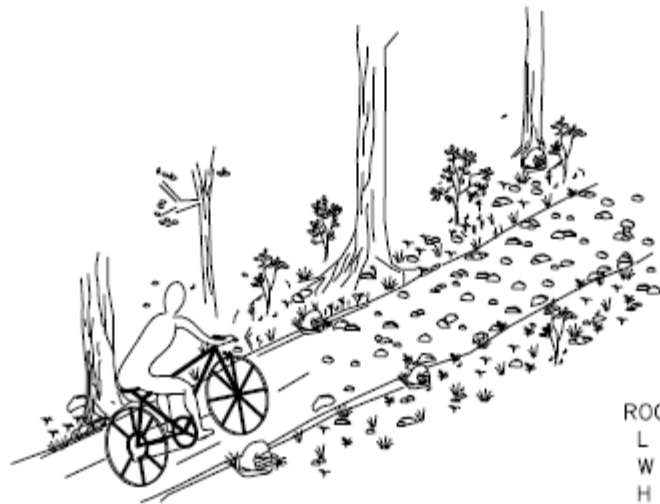


Trash Receptacle Detail



Typical Trail Signage Detail

Construction Details – Technical Trail Segments



ROCK AVERAGE SIZE:
L = 1'
W = 6" – 1'
H = 6" – 1'

WHEN TO USE:

- IN ROCKY AREAS THAT ARE RUBBLY & PERSISTANT, REGARDLESS OF ATTEMPTS TO CLEAR.
- IN AREAS PRONE TO WET CONDITIONS TO REDUCE EROSION

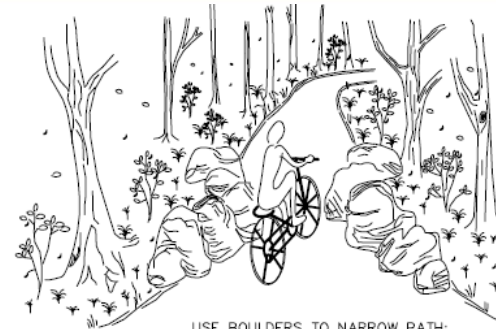
HOW TO IMPLEMENT:

- RETAIN EXISTING TRAIL WITH RUBBLY ROCK AREAS.
- IMPORT FIELDSTONE, GRAVEL, AND ROUND RIVER ROCK. EMBED LARGER ROCKS FOR STABILITY AND INSERT SMALLER ROCK BETWEEN EMBEDDED ROCKS.
- THE TRAIL TREAD MUST CONTAIN AN EASIER ROUTE COMPARED TO AREAS OFF THE TRAIL IN ORDER TO PREVENT TRAIL WIDENING. ADDITIONAL MEASURES TO REDUCE TRAIL WIDENING INCLUDE ROCK AND LOG CHOKES.

TRAIL FEATURE CONSTRUCTION SEQUENCE-E

THIS WORK SHALL NOT BE DONE WITH HEAVY EQUIPMENT

- 1) CLEAR TRAIL SURFACE OF NATURAL LITTER IN DESIRED LOCATION OF THE ROCK GARDEN.
- 2) BURY LARGER ROCKS 6" TO 1' DIMENSIONS MAX. 2/3 INTO TRAIL TREAD.
- 3) STAGGER THE LARGER ROCKS EVENLY ACROSS THE TRAIL SURFACE.
- 4) PLACE GRAVEL AND SMALLER ROCKS BETWEEN THE LARGER EMBEDDED ROCKS TO CREATE A MORE EVEN SURFACE.



STONE BOULDER
AVERAGE SIZE:
L = 3'
W = 2'
H = 2'

USE BOULDERS TO NARROW PATH:

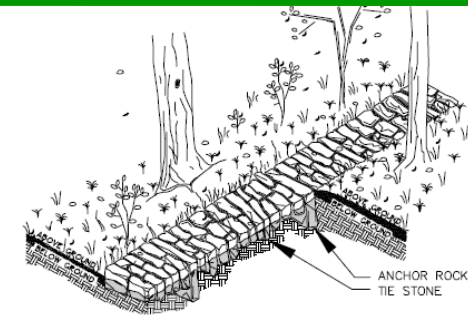
- STAGGER SERIES OF MEDIUM TO LARGE SIZED BOULDERS TO LOOK NATURAL.
- BURY 1/2 – 1/3 OF BOULDER TO PREVENT MOVEMENT.
- EACH ROCK CHOKE WILL AVERAGE 4-8 ROCKS

TRAIL FEATURE CONSTRUCTION SEQUENCE-D

THIS WORK SHALL NOT BE DONE WITH HEAVY EQUIPMENT

- 1) CLEAR TRAIL SURFACE OF NATURAL DEBRIS IN DESIRED LOCATION OF THE ROCK CHOKE.
- 2) BEGIN TO BURY A SERIES OF LARGE AND MEDIUM SIZE BOULDERS 2/3 IN THE TRAIL SURFACE.
- 3) START AT THE EDGE OF THE TRAIL AND WORK IN FROM BOTH SIDES TO NARROW THE TREADWAY.
- 4) STAGGER THE BOULDERS TO APPEAR NATURAL.

Typical Rock Choke



WHEN TO USE ROCK ARMORING:

- TO HARDEN TREAD AGAINST USER-CAUSED EROSION
- TO ELEVATE TREAD THROUGH SOFT OR WET TERRAIN (USE GEOTEXTILE IN THIS CASE)

TRAIL FEATURE CONSTRUCTION SEQUENCE-G

- 1) CLEAR TRAIL SURFACE OF NATURAL LITTER IN DESIRED LOCATION OF THE ROCK ARMOR.
- 2) START AT THE BOTTOM OF THE SLOPE BY PLACING A LARGE ANCHOR ROCK. AN ANCHOR ROCK IS THE WIDTH OF THE TRAIL. BURY MINIMUM 2/3 OF THE ANCHOR ROCK. PLACE ANCHOR ROCKS EVERY 4-6 FEET.
- 3) HAND FIT THE TREAD WITH MEDIUM SIZED STONES LAYED ON THEIR SIDE, BUMPED AGAINST EACH OTHER. NO ROCKS SHOULD Wobble.
- 4) STAGGER JOINTS. PLACE TIE STONES APPROXIMATELY EVERY 2 FEET, BETWEEN ANCHOR ROCKS. TIE ROCKS SPAN THE ENTIRE WIDTH OF THE TRAIL. AVOID ALIGNING JOINTS.
- 5) BRUSH STONEDUST ACROSS PATH TO FILL CRACKS.
- 6) COMPACT TRAIL SURFACE TO 95
- 7) DEFINE SIDES OF THE ARMORED TRAIL WITH LARGE ROCKS OR LOGS TO PROVIDE A VISUAL AND PHYSICAL BARRIER

A MINIMUM OF 2/3 OF THE ALL PLACED ROCK SHOULD BE EMBEDDED BELOW GRADE.
PROVIDE GEOTEXTILE MATERIAL UNDERNEATH ROCK ARMORING IN WET/SOFT SOIL AREAS.
USE FLAGSTONE ROCKS FOR THE TRAIL TREAD ARMOR SURFACE.

Typical Rock Armoring of the Trail Tread

APPENDIX B

PNDI ENVIRONMENTAL REVIEW

PNDI Environmental Review

PNDI Project Environmental Review Receipt

Project Search ID: 20091015214441

1. PROJECT INFORMATION

Project Name: Bridge Preserve Master Site Plan

Date of review: 10/15/2009 2:16:57 PM

Project Category: Recreation, Trails & Trailheads (parking, etc.)

Project Area: 301.8 acres

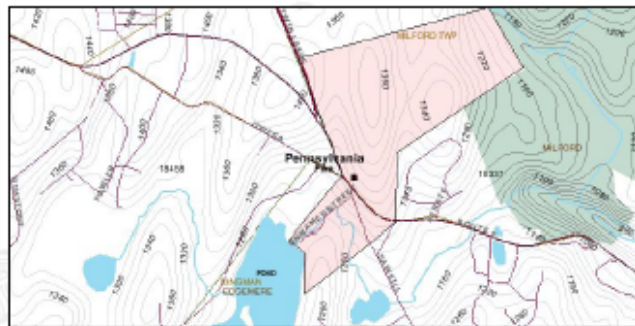
County: Pike Township/Municipality: Dingman, Milford Twp

Quadrangle Name: EDGEMERE

ZIP Code: 18337, 18458

Decimal Degrees: 41.36168 N, -74.88968 W

Degrees Minutes Seconds: 41° 21' 42" N, -74° 53' 22.9" W



2. SEARCH RESULTS

Agency	Results	Response
PA Game Commission	Potential Impact	FURTHER REVIEW IS REQUIRED, See Agency Response
PA Department of Conservation and Natural Resources	No Known Impact	No Further Review Required
PA Fish and Boat Commission	Avoidance Measure	See Agency Response
U.S. Fish and Wildlife Service	No Known Impact	No Further Review Required

As summarized above, Pennsylvania Natural Diversity Inventory (PNDI) records indicate there may be potential impacts to threatened and endangered and/or special concern species and resources within the project area. If the response above indicates "No Further Review Required" no additional communication with the respective agency is required. If the response is "Further Review Required" or "See Agency Response," refer to the appropriate agency comments below. Please see the DEP Information Section of this receipt if a PA Department of Environmental Protection Permit is required.

PNDI Project Environmental Review Receipt

Project Search ID: 20091015214441

3. AGENCY COMMENTS

Regardless of whether a DEP permit is necessary for this proposed project, any potential impacts to threatened and endangered species and/or special concern species and resources must be resolved with the appropriate jurisdictional agency. In some cases, a permit or authorization from the jurisdictional agency may be needed if adverse impacts to these species and habitats cannot be avoided.

These agency determinations and responses are valid for one year (from the date of the review), and are based on the project information that was provided, including the exact project location; the project type, description, and features; and any responses to questions that were generated during this search. If any of the following change: 1) project location, 2) project size or configuration, 3) project type, or 4) responses to the questions that were asked during the online review, the results of this review are not valid, and the review must be searched again via the PNDI Environmental Review Tool and resubmitted to the jurisdictional agencies. The PNDI tool is a primary screening tool, and a desktop review may reveal more or fewer impacts than what is listed on this PNDI receipt.

PA Game Commission

PGC Species:

Scientific Name: Sensitive Species**

Common Name:

Current Status: Threatened

Proposed Status: Threatened

RESPONSE: Further review of this project is necessary to resolve the potential impacts(s). Please send project information to this agency for review (see WHAT TO SEND).

PA Department of Conservation and Natural Resources

RESPONSE: No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

PA Fish and Boat Commission

PFBC Species:

Scientific Name: Sensitive Species**

Common Name:

Current Status: Special Concern Species*

Proposed Status: Special Concern Species*

RESPONSE: Avoidance Measure: Maintain a 300-foot buffer between the proposed activity and talus, scree slopes, rocky outcrops, or any boulder fields on the subject property.

As the project proponent or applicant, I certify that I will implement the above Avoidance Measure:

_____(Signature)

PNDI Environmental Review

PNDI Project Environmental Review Receipt

Project Search ID: 20091015214441

SPECIAL NOTE: If you agree to implement the above Avoidance Measure, no further coordination with this agency regarding threatened and endangered species and/or special concern species and resources is required. If you are not able to comply with the Avoidance Measures, you are required to coordinate with this agency - please send project information to this agency for review (see "What to Send" section).

U.S. Fish and Wildlife Service

RESPONSE: No impacts to federally listed or proposed species are anticipated. Therefore, no further consultation/coordination under the Endangered Species Act (87 Stat. 884, as amended; 16 U.S.C. 1531 et seq.) is required. Because no take of federally listed species is anticipated, none is authorized. This response does not reflect potential Fish and Wildlife Service concerns under the Fish and Wildlife Coordination Act or other authorities.

* Special Concern Species or Resource - Plant or animal species classified as rare, tentatively undetermined or candidate as well as other taxa of conservation concern, significant natural communities, special concern populations (plants or animals) and unique geologic features.

** Sensitive Species - Species identified by the jurisdictional agency as collectible, having economic value, or being susceptible to decline as a result of visitation.

WHAT TO SEND TO JURISDICTIONAL AGENCIES

If project information was requested by one or more of the agencies above, send the following information to the agency(s) seeking this information (see AGENCY CONTACT INFORMATION).

Check-list of Minimum Materials to be submitted:

- ☐ SIGNED copy of this Project Environmental Review Receipt
- ☐ Project narrative with a description of the overall project, the work to be performed, current physical characteristics of the site and acreage to be impacted.
- ☐ Project location information (name of USGS Quadrangle, Township/Municipality, and County)
- ☐ USGS 7.5-minute Quadrangle with project boundary clearly indicated, and quad name on the map

The inclusion of the following information may expedite the review process.

- ☐ A basic site plan (particularly showing the relationship of the project to the physical features such as wetlands, streams, ponds, rock outcrops, etc.)
- ☐ Color photos keyed to the basic site plan (i.e. showing on the site plan where and in what direction each photo was taken and the date of the photos)
- ☐ Information about the presence and location of wetlands in the project area, and how this was determined (e.g., by a qualified wetlands biologist); if wetlands are present in the project area, provide project plans showing the location of all project features, as well as wetlands and streams
- ☐ The DEP permit(s) required for this project

4. DEP INFORMATION

The Pa Department of Environmental Protection (DEP) requires that a signed copy of this receipt, along with any required documentation from jurisdictional agencies concerning resolution of potential impacts, be submitted with applications for permits requiring PNDI review. For cases where a "Potential Impact" to threatened and endangered species has been identified before the application has been submitted to DEP, the application

PNDI Project Environmental Review Receipt

Project Search ID: 20091015214441

should not be submitted until the impact has been resolved. For cases where "Potential Impact" to special concern species and resources has been identified before the application has been submitted, the application should be submitted to DEP along with the PNDI receipt, a completed PNDI form and a USGS 7.5 minute quadrangle map with the project boundaries delineated on the map. The PNDI Receipt should also be submitted to the appropriate agency according to directions on the PNDI Receipt. DEP and the jurisdictional agency will work together to resolve the potential impact(s). See the DEP PNDI policy at <http://www.naturalheritage.state.pa.us>.



PNDI Environmental Review

PNDI Project Environmental Review Receipt Project Search ID: 20091015214441

5. ADDITIONAL INFORMATION

The PNDI environmental review website is a preliminary screening tool. There are often delays in updating species status classifications. Because the proposed status represents the best available information regarding the conservation status of the species, state jurisdictional agency staff give the proposed statuses at least the same consideration as the current legal status. If surveys or further information reveal that a threatened and endangered and/or special concern species and resources exist in your project area, contact the appropriate jurisdictional agency/agencies immediately to identify and resolve any impacts.

For a list of species known to occur in the county where your project is located, please see the species lists by county found on the PA Natural Heritage Program (PNHP) home page (www.naturalheritage.state.pa.us). Also note that the PNDI Environmental Review Tool only contains information about species occurrences that have actually been reported to the PNHP.

6. AGENCY CONTACT INFORMATION

PA Department of Conservation and Natural Resources

Bureau of Forestry, Ecological Services Section
400 Market Street, PO Box 8552, Harrisburg, PA.
17105-8552
Fax: (717) 772-0271

U.S. Fish and Wildlife Service

Endangered Species Section
315 South Allen Street, Suite 322, State College, PA.
16801-4851
NO Faxes Please.

PA Fish and Boat Commission

Division of Environmental Services
450 Robinson Lane, Bellefonte, PA. 16823-7437
NO Faxes Please

PA Game Commission

Bureau of Wildlife Habitat Management
Division of Environmental Planning and Habitat Protection
2001 Elmerton Avenue, Harrisburg, PA. 17110-9797
Fax: (717) 767-6957

7. PROJECT CONTACT INFORMATION

Name: _____
Company/Business Name: _____
Address: _____
City, State, Zip: _____
Phone: (____) _____ Fax: (____) _____
Email: _____

8. CERTIFICATION

I certify that ALL of the project information contained in this receipt (including project location, project size/configuration, project type, answers to questions) is true, accurate and complete. In addition, if the project type, location, size or configuration changes, or if the answers to any questions that were asked during this online review change, I agree to re-do the online environmental review.

applicant/project proponent signature

date

PNDI Species Fact Sheets

Bald Eagle (*Haliaeetus leucocephalus*)

Pennsylvania Threatened Bird Species

State Rank: S2B (impaired, breeding) Global Rank: G5 (secure)

Identification

Bald Eagles are large raptors with a body length up to 32 inches and a wingspan up to 80 inches. Male and female Bald Eagles are similar in plumage. The most notable features are a white head and upper neck, whiter tail, dark brown body, and a heavy yellow bill. Juveniles are dark brown overall, and gradually acquire adult plumage over a period of four years. Juveniles have a dark bill and cere, dark brown body plumage, including head and tail, variable amounts of white on the undertail coverts, belly, and back.

Range

Bald Eagles have extensive breeding populations in Alaska, with major populations in the coastal regions. This species breeds throughout most of Canada, especially along coastal areas. In the continental United States, Bald Eagles breed extensively along the Atlantic Coast from Florida to the Maritime Provinces of Canada. Also, this species breeds in the Great Lake States in Minnesota, Michigan, and Wisconsin, and in the Pacific Northwest (California, Oregon, and Washington). Breeding populations occur along the Gulf Coast in Louisiana and Texas. In Pennsylvania, Bald Eagle populations have been increasing, and can now be found throughout Pennsylvania, with most sightings concentrated in the northwestern and southeastern corners of the state.

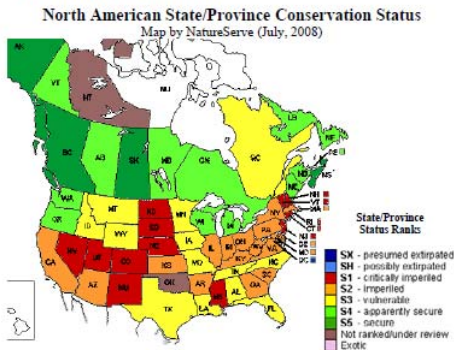


Adult Bald Eagle (*Haliaeetus leucocephalus*)

Photo source: Ben A. Vetting

Habitat

This species is typically associated with forested areas adjacent to large bodies of water. Bald Eagles nest in trees, rarely on cliff faces, and ground nest in treeless areas. The majority of Bald Eagle nesting areas are found in mature and old-growth forests with some habitat edge, usually within 2 kilometer to water with suitable foraging opportunities. The quality of foraging areas are defined by diversity, abundance, and vulnerability of the prey base, structure of aquatic habitats, such as the presence of shallow water, and the absence of human development and disturbance. In Pennsylvania, this species nests on islands in major rivers and in forested areas and erected platforms along major rivers, reservoirs, large wetlands, lakes, ponds, and streams.



Conservation Status

This species is currently listed as a Threatened species at the state and federal level. Bald Eagles breeding in Pennsylvania have made a major contribution to the downgrading of this species from Endangered. In the 1970's, Bald Eagle nesting pairs were at an all time low of two due to the effect of the insecticide DDT and pollution of major waterways. Since then, this species has made a comeback, and recently, over 100 nests have been recorded across the state. Continued success of the breeding areas will depend on protection from human persecution and environmental contaminants. Other threats include water quality degradation, disturbance of nesting areas, and disease. If ecological conditions in Pennsylvania continue to improve, there is no reason why this species will not increase nesting populations to increase assurance that Bald Eagles will be around for generations to come.

References

- Buehler, David A. 2000. Bald Eagle (*Haliaeetus leucocephalus*). The Birds of North America Online (A. Poole, Ed.). Ithaca: Cornell Lab of Ornithology. Retrieved from the Birds of North America Online: <http://bna.birds.cornell.edu/bna/species/506>
- Gough, G.A., Sauer, J.R., Iliff, M. Patuxent Bird Identification InfoCenter. 1998. Version 97.1 Patuxent Wildlife Research Center, Laurel, MD. <http://www.mbr-pwrc.usgs.gov/infocenter/infocenter.html>
- McWilliams, G.M. and Bruning, D.W. 2000. The Birds of Pennsylvania. Cornell University Press, Ithaca, NY. 479pp.
- NatureServe. 2008. NatureServe Explorer: An online encyclopedia of life [web application]. Version 7.0. NatureServe, Arlington, Virginia. Available at <http://www.natureserve.org/explorer>.



Timber Rattlesnake (*Crotalus horridus*)

Reptile Species of Concern

State Rank: S3S4 (vulnerable/apparently secure), Global Rank: G4 (apparently secure)

Identification

Timber rattlesnakes (*Crotalus horridus*) are easily distinguished from other snakes in Pennsylvania. Timber rattlesnakes are stout-bodied, large snakes reaching lengths of up to 5 feet. Color is extremely variable but usually consists of brown or black bands on bright yellow to black coloration. The head is triangular in shape and a rattle is present at the end of the black tail. This species may be confused with the less common eastern massasauga (*Sistrurus catenatus catenatus*) only present in the western portion of the state. The timber rattlesnake can be distinguished from the massasauga by the lack of white facial lines, the black tail forward of the rattle, and numerous small head-scales.



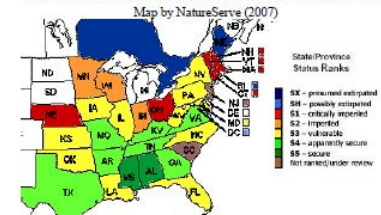
Photo: PA Science Office

Habitat

Crotalus horridus is associated with deciduous forests and rocky outcrops. Hibernacula are usually found on south-facing rocky slopes with adequate crevices to provide shelter during the winter months. Males may travel far from the den site in the summer, moving into valleys and low-lying areas. Gravid females are far less mobile and tend to stay within a short distance of the den. Timber rattlesnakes are venomous, however are generally mild-mannered and not likely to strike.



North American State/Province Conservation Status



Conservation/Status

Timber rattlesnake numbers have decreased significantly from historic records. This species was once widespread across the state. The remaining populations are usually found in remote, isolated areas. Collection and destruction of habitat are likely the main reasons for reductions in population size. Den sites have been targets for collection and should be the focus of conservation efforts for this species. The state status of the timber rattlesnake is candidate at risk (CA). Though this species is still relatively abundant across the state, it remains vulnerable to exploitation. Permits are now required to collect rattlesnakes and only one snake can be taken each year. Snake hunts still occur in the state but after capture, snakes must be marked and release and the site of capture. Biologists are gathering information from collectors and individual studies to determine the current status of this species in the state.

References

- Genoway, H.H. and F.J. Brenner. 1985. Species of Special Concern in Pennsylvania. Carnegie Museum of Natural History. Pittsburgh, PA. 430pp.
- Hulse, A.C., C.J. McCoy, and E.J. Cendry. 2001. Amphibians and Reptiles of Pennsylvania and the Northeast. Cornell University Press, New York. 419pp.
- The Center for Reptile and Amphibian Conservation and Management. Species Accounts: Timber Rattlesnake. Website: http://herpcenter.ipfw.edu/outreach/accounts/reptiles/snakes/Timber_Rattlesnake/
- NatureServe. 2007. NatureServe Explorer: An online encyclopedia of life [web application]. Version 6.2. NatureServe, Arlington, Virginia. Available <http://www.natureserve.org/explorer>. (Accessed: September 4, 2007).



PNDI — PA Fish & Boat Commission Response



Pennsylvania Fish & Boat Commission

Division of Environmental Services
Natural Diversity Section
450 Robinson Lane
Bellefonte, PA 16823-9620
(814) 359-5237 Fax: (814) 359-5175

November 4, 2009

IN REPLY REFER TO
SIR# 32860

PAUL BECHTEL
MCLANE ASSOCIATES
601 STAFFORD AVENUE
SCRANTON, PA 18505

RE: Species Impact Review (SIR) – Rare, Candidate, Threatened and Endangered Species
PNDI Search No. 20091015214441
BRIDGE PRESEVE MASTER SITE PLAN
DINGMAN, MILFORD Townships, PIKE County, Pennsylvania

Dear Mr. BECHTEL:

I have reviewed the map accompanying your recent correspondence, which concerns the above-referenced project. Based on records maintained in the Pennsylvania Natural Diversity Inventory (PNDI) database and Pennsylvania Fish & Boat Commission (PFBC) files, the timber rattlesnake (*Crotalus horridus*, PA candidate) is known from the vicinity of the proposed project site. Timber rattlesnakes occur in the forested, mountainous regions of the Commonwealth. They prefer forested areas to forage for small mammals (e.g., mice and chipmunks) and talus, south to southeastern facing rocky slopes for hibernating and other thermoregulatory activities. The timber rattlesnake is threatened by over hunting, poaching and habitat alteration.

There have been observations of timber rattlesnakes nearby, but not in the immediate vicinity of the project area. **Therefore, we do not anticipate any direct adverse impacts to the timber rattlesnake from the proposed project.** However, the project areas could be used as foraging habitat for transient snakes and this warrants some concern about rattlesnake-human conflicts. Although the nature of the timber rattlesnake is rather docile, it can be dangerous if threatened, cornered or handled improperly. Therefore, the workers should be mindful of the presence of the snakes in the area. Rattlesnakes are attracted to open, rocky areas for basking and forested areas with thick deciduous leaf litter that tend to support high populations of rodents. We recommend that the workers responsible for implementing this project be advised that timber rattlesnakes may be encountered and that avoidance is the best means of minimizing risks to personal safety. These workers should also be advised that the timber rattlesnake is a state protected species and is not to be harmed. Killing of timber rattlesnakes without a proper permit is prohibited by the Commission pursuant to Chapter 79.6, subsection 2102 (b) of the Fishing and Boating Regulations. If any timber rattlesnakes are observed on-site, please notify this office.

Note that this office performed no field inspection of the project area. Consequently, comments in this letter are not meant to address other issues or concerns that might arise concerning matters under Pennsylvania Fish and Boat Commission jurisdiction or that of other authorities. If you have any


Our Mission:

www.fish.state.pa.us

To protect, conserve and enhance the Commonwealth's aquatic resources and provide fishing and boating opportunities.

SIR #32860
BECHTEL
Page 2

questions regarding this response, please contact Kathy Gipe at 814 359 5186 and refer to the SIR number at the top of this letter. Thank you for your cooperation and attention to this matter of endangered species conservation and habitat protection.

Sincerely,

Christopher A. Urban, Chief
Natural Diversity Section

CAU/KDG/mr

PNDI — Game Commission Response



COMMONWEALTH OF PENNSYLVANIA
PENNSYLVANIA GAME COMMISSION
 2001 ELMERTON AVENUE, HARRISBURG, PA
 17110

"TO MANAGE ALL WILD BIRDS, MAMMALS AND THEIR HABITATS
 FOR CURRENT AND FUTURE GENERATIONS."

PNDI Number(s): 2009101524441

January 14, 2010

Mr. Paul Bechtel
 McLane Associates
 601 Stafford Avenue
 Scranton, PA 18505

PNDI Number(s): 2009101524441
 Bridge Preserve Master Site Plan
 Dingman and Milford Townships, Pike County, PA

Dear Mr. Bechtel:

Thank you for submitting the Pennsylvania Natural Diversity Inventory (PNDI) Environmental Review Number 2009101524441 for review. The Pennsylvania Game Commission (PGC) screened this project for potential impacts to species and resources of concern under PGC responsibility, which includes birds and mammals only.

No Impact Anticipated

PNDI records indicate species or resources of concern are in close proximity to the proposed project area along the edge of Sawkill Pond (see species listed below). The PGC has received and thoroughly reviewed the information that you provided to this office dated October 26, 2009, as well as PNDI data. Our joint field review conducted on January 13, 2010 revealed that the bald eagle nest, which generated the potential T & E conflict, has been relocated from the eastern to the western side of Sawkill Pond. Therefore, now that the eagle nest is located more than 1000 feet from the project area, no potential impacts to threatened endangered or species of special concern are associated with your project.

Scientific Name	Common Name	PA Status	Federal Status
<i>Haliaeetus leucocephalus</i>	Bald Eagle	PT	

Next Steps

The above-referenced project is not expected to impact any birds or mammals of concern, and no further coordination with the PGC is necessary for this project at this time.

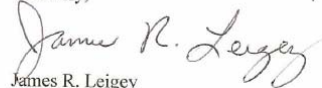
-2-

This response represents the most up-to-date summary of the PNDI data files and is valid for one (1) year from the date of this letter. An absence of recorded information does not necessarily imply actual conditions on site. Should project plans change or additional information on listed or proposed species become available, this determination may be reconsidered.

Should the proposed work continue beyond the period covered by this letter, please resubmit the project to this agency as an "Update" (including an updated PNDI receipt, project narrative and accurate map). If the proposed work has not changed and no additional information concerning listed species is found, the project will be cleared for PNDI requirements under this agency for an additional year.

This finding applies to impacts to birds and mammals only. To complete your review of state and federally-listed threatened and endangered species and species of special concern, please be sure that the U.S. Fish and Wildlife Service, the PA Department of Conservation and Natural Resources, and/or the PA Fish and Boat Commission have been contacted regarding this project as directed by the online PNDI ER Tool found at www.naturalheritage.state.pa.us.

Sincerely,


 James R. Leigey
 Wildlife Impact Review Coordinator
 Division of Environmental Planning
 And Habitat Protection
 Bureau of Wildlife Habitat Management
 Phone: 717-787-4250, Extension 3128
 Fax: 717-787-6957
 E-Mail: jleigey@state.pa.us

A PNHP Partner



Cc: File
 Gross
 Wenner

APPENDIX C

NALT VEGETATION INVENTORY REPORT

NALT Conservation Easement Documents



P.O. Box 467 • 100 Hickory Hill Road
Chadds Ford • PA • 19317
Tel: 610.388.3670 • Fax: 610.388.3673
www.nalt.org

NORTH AMERICAN LAND TRUST Board Resolution & Minutes

August 3, 2007

The meeting of the Board of Directors commenced at 10:07 a.m. by telephone conference call. Those Board members participating include John Halsey, John Witherspoon, Tim Caufield, Blair McCaslin, and Andy Johnson. John Snook joined the meeting late. Also attending were Jamie McVickar, Amy Bruckner, Karen Mazza, and Paul Haldeman.

- The Board **approved** the acceptance of a Conservation Easement on the Bridge Property located in Dingman and Milford Townships, Pike County, Pennsylvania consisting of approximately ±300 acres.

The above is a true and correct excerpt of the minutes of the Board Meeting on August 3, 2007.


Andrew L. Johnson
President

NALT Board Final Project Approval Request August 3, 2007

Project Name: Bridge Property

Client Name & Address: Charles R. Bridge
106 E. Harford Street
Milford, Pa 18337

Overall Acreage: 300±

Conservation Easement Acreage: 300±

Number of house sites, outparcels, or building lots: None

Proximity to previous easement projects: 60 miles from Big Bend in Neversink, NY

Golf Course: No

Project Location:

State: Pennsylvania
County: Pike
Township: Milford and Dingman

Description: The property is located in Pike County, within 5 miles of Milford Borough, and consists of two tracts. The northernmost is hilly, largely covered by woods and contains a small pond and the southernmost is bordered by Sawkill Pond and Creek to the south and west. Except for a stand of planted spruce near the road the forest canopy on the northern tract is almost exclusively oak, mixed with occasional white and pitch pines, especially along ridges, and groves of black gum; red maple and sassafras are the main understory trees. The majority of the southern tract is wooded, but roadsides, several old fields in various states of succession, Sawkill Creek, and the rock-lined banks of Sawkill Pond add to the floristic diversity.

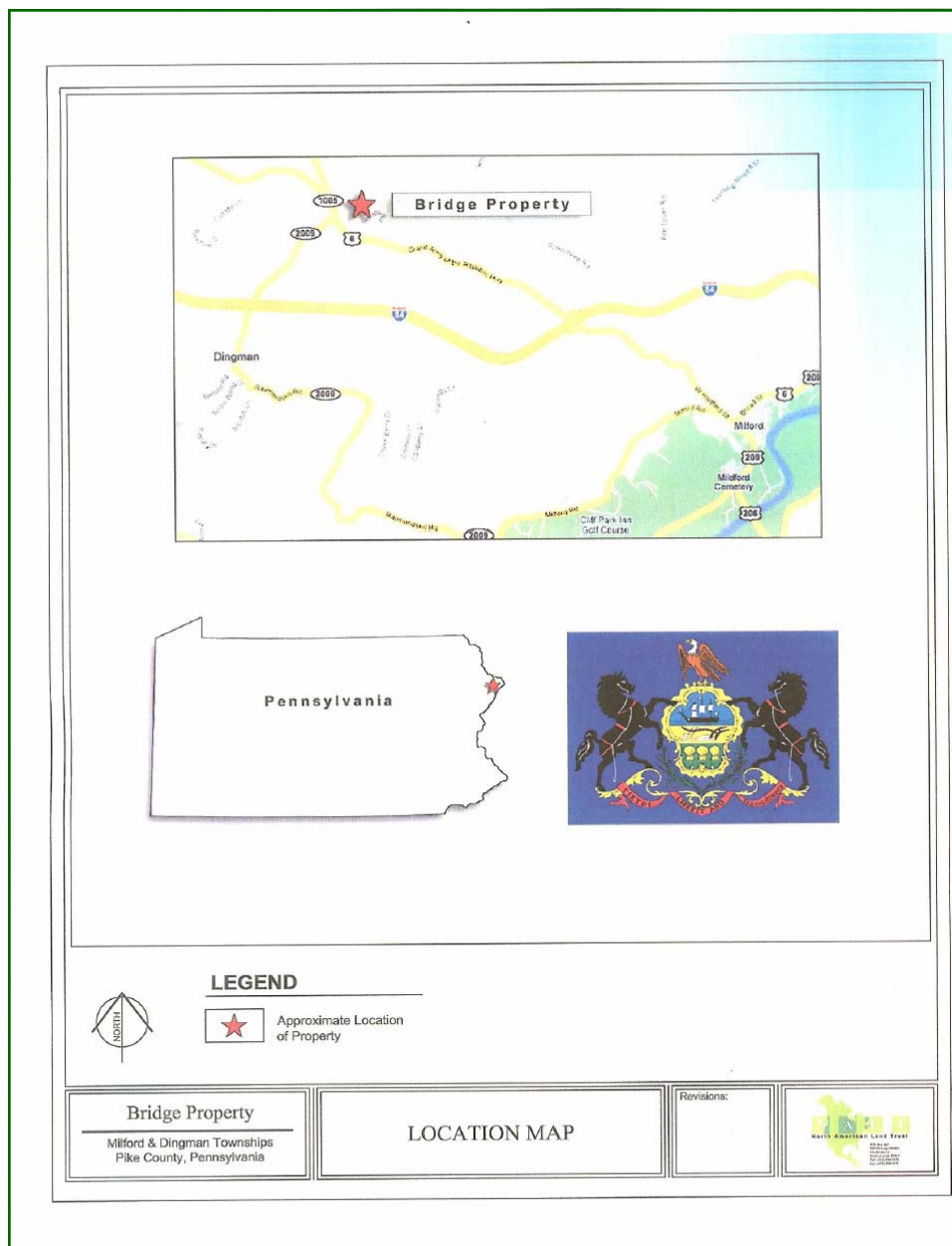
The Opportunity: Pike County is one of the faster growing counties in PA in terms of residential development, with the pace of new construction having accelerated during the past three years. The area is attracting people who work in the metro areas of New York and New Jersey. This property is one of the few substantial tracts of land suitable for residential development within 5 miles of Milford Borough.

Mr. Bridge's goal is to donate the fee interest to Dingman Township for the creation of a park. Dingman Township hired McLane Associates to do a preliminary site analysis and they created a park plan with pavilions, trails, and parking areas.

Conservation Purpose:

- Preservation of the Conservation Area for outdoor recreation by, or the education of, the general public,
- Preservation of the Conservation Area as a relatively natural habitat of fish, wildlife, or plants or similar ecosystem,
- Preservation of the Conservation Area as open space which provides scenic enjoyment to the general public and yields a significant public benefit – the Conservation Area is visible from US Route 6.

NALT Biologist Report



CORNELIA AND FLORENCE BRIDGE PRESERVE

LOCATION: Sawkill Road and Route 6, Milford & Dingman Townships, Pike County, PA

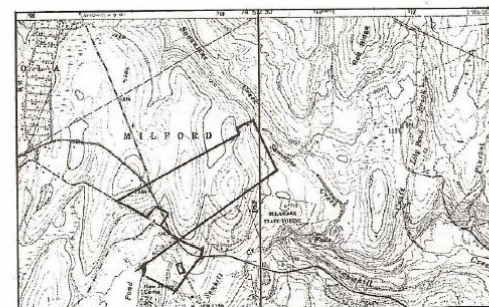
AREA: 300.65 acres

DRAINAGE: Sawkill Creek, which enters the Delaware River near Milford

GEOLOGY: Long Run and Walcksville members of the Devonian Catskill Formation mostly non-marine sandstones and mudstones

SURVEYED: 27 September, 2006 by Janet Ebert and Jack Holt

Edgemere Quad



DESCRIPTION: Twin Lakes Road tract – north of Route 6

All of this parcel is wooded except for the roadside, a roughly rectangular ridgetop old field near the lower end, and a pond near the upper end accessed by a rutted jeep trail. Except for a stand of planted spruce near the road the forest canopy is almost exclusively oak, mixed with occasional white and pitch pines, especially along ridges, and groves of black gum; red maple and sassafras are the main understory trees. Few trees are especially large and many are similar in size, but the poor soil makes determining the age of the forest difficult. However a few remnant patches of bear oak indicate it is probably well short of a century. Beneath this relatively open canopy thrives a dense waist-high growth of huckleberry, occasionally overtopped by mountain laurel with sheep laurel, teaberry and two species of lowbush blueberry beneath. Except along trails herbaceous species are rare and even ferns patchy; aliens are unknown away from the trails. A river of boulders lining the bottom of the low saddle between two ridges has little appreciable effect on the flora except for a thicker growth of pine; neither does the steep north slope of the upper ridge.

Near the north end of the property sits a small deep pond, dug into the northern edge of the upper ridge and dammed by a long earthen berm. This scopy berm and the east and west banks of the pond, open to the sky, are thick with wetland grasses, sedges, herbs, shrubs, and scramblers; shrubs dominate the shadier south bank. Numerous aquatic plants, including at least two pondweeds, duckweed, and watershield grow in the cool waters of the pond. South of the pond a shady duffy slope forms an ideal viewing spot.

NALT Biologist Report

BRIDGE PROPERTY PLANT LIST -27 SEPTEMBER, 2006

Scientific name	Status	Common Name	Comment
Aquatics			
Brasenia schreberi		Water-shield	Pond, N end upper tract
Callitriche species		Water starwort	Shore, Sawkill Pond
Nymphaea odorata		Fragrant water-lily	Shore, Sawkill Pond (?)
Potamogeton amplifolius		Large-leaved pondweed	Sawkill Pond, near Dam
Potamogeton sp.		Pondweed species	Small pond (two species)
Utricularia macrorhiza (vulgaris)		Common bladderwort	Shore, Sawkill Pond
Ferns			
Asplenium platyneuron		Ebony spleenwort	Upland old field, few
Athyrium filix-femina		Lady fern	Upland wooded slopes, few
Dennstaedtia punctilobula		Hay-scented fern	Woods, often abundant
Dryopteris carthusiana		Spinulose woodfern	Low rocky woods
Dryopteris intermedia		Intermediate woodfern	Low rocky woods, local
Dryopteris marginalis		Marginal woodfern	Rocky low woods, local
Onoclea sensibilis		Sensitive fern	Streambanks, moist areas, small pond
Osmunda cinnamomea		Cinnamon Fern	Low woods, streambanks, pond banks
Osmunda claytoniana		Interrupted fern	Wooded slope near Sawkill Pond
Osmunda regalis		Royal fern	Shoreline, Sawkill Pond Dam
Pteridium aquilinum		Bracken	Open woods, thickets, fields
Thelypteris noveboracensis		New York fern	Woods
Thelypteris palustris		Marsh fern	Shore, Sawkill Pond
Graminoids - Grasses, sedges, and rushes			
Agrostis gigantea	A	Redtop	Upland old field
Agrostis perennans		Upland bent-grass	Rocky woods, dry edges
Andropogon virginicus		Broomsedge	Dry wooded roadbank, few
Anthoxanthum odoratum	A	Sweet vernal grass	Upland old field
Brachyelytrum erectum		A grass	Upland wooded slopes, occasional
Calamagrostis canadensis		Canada bluejoint grass	Streamside wetland, Sawkill Creek
Calamagrostis cinnoides		Reedgrass	Shore, Sawkill Pond, low edges
Carex crinita		A sedge	Shore, Sawkill Pond
Carex laxiculmis		A sedge	Low woods, few
Carex lurida		Sallow sedge	Shoreline, small pond
Carex pennsylvanica		A sedge	Woods & thickets, dry to rocky
Carex spp. (several species)		Sedges	Woods, thickets, fields
Carex stricta		Tussock sedge	Shore, Sawkill Pond, small pond
Carex swanii		A sedge	Dry woods, thickets, edges
Carex vulpinoidea		A sedge	Upland old field, local
Cinna arundinacea		Wood reed-grass	Low woods, streambanks
Dactylis glomerata	A	Orchard grass	Fields, roadsides
Danthonia compressa		Northern oat-grass	Open woods, wooded trailsides
Danthonia spicata		Wild oat-grass	Dry edges, old fields, often abundant
Dicanthelium acuminatum		A panic grass	Edges, thickets, old fields
Dicanthelium clandestinum		Deer-tongue grass	Streambanks, roadsides, fields

BRIDGE PROPERTY

Page 1 of 7

Scientific name	Status	Common Name	Comment
Dicanthelium dichotomum		A panic grass	Wooded slope above small pond
Dulichium arundinaceum		Three-way sedge	Shore, Sawkill Pond
Echinochloa crus-galli	A	Barnyard grass	Disturbed soil in woods
Eleocharis palustris		Creeping spike-rush	Shore, Sawkill Pond (?)
Festuca elatior	A	Meadow fescue	Roadsides, fields
Juncus brevicaudatus		Short-tail seeded rush	Shore, small pond
Juncus effusus		Soft rush	Shore, Sawkill Pond, small pond
Juncus tenuis		Path rush	Edges, paths
Leersia oryzoides		Rice cut-grass	Shore, Sawkill Pond, small pond
Luzula multiflora		Wood rush	Open young woods, few (?)
Microstegium vimineum	A	Japanese stilt-grass	Moist low woods, disturbed soil
Muhlenbergia mexicana		Satin grass muhly	Upland old field
Muhlenbergia schreberi		Nimblewill	Edges, roadsides, fields
Panicum dichotomiflorum		A panic grass	Roadsides
Phalaris arundinacea	A	Reed-canary grass	Streamside wetland, Sawkill Creek
Pileum pratense	A	Timothy	Upland old field
Poa annua	A	Annual bluegrass	Trails, roadsides, grassy edges
Poa compressa	A	Canada bluegrass	Dry trailsides, edges
Schizachyrium scoparium		Little bluestem grass	Upland old field, often abundant
Schoenoplectus tabernaemontana		Great bulrush	Shore, Sawkill Pond
Scirpus cyperinus		Woolgrass	Shore, small pond
Tridens flavus		Purpletop	Upland old field
Herbs			
Achillea millefolium	A	Yarrow	Fields, edges
Actaea pachypoda		White baneberry	Moist rocky woods, along old road
Alliaria petiolata	A	Garlic mustard	Woods, low moist
Ambrosia artemisiifolia		Common ragweed	Roadsides
Amphicarpa bracteata		Hog peanut	Moist woods
Anaphalis margaritacea		Pearly everlasting	Upland old field
Antennaria neglecta		Field pussytoes	Upland old field, few
Apocynum cannabinum		Indian hemp, dogbane	Fields, edges, trailsides
Aralia nudicaulis		Wild sarsaparilla	Rocky woods, locally common
Artemisia vulgaris	A	Mugwort	Edges, roadsides
Asclepias syriaca		Common milkweed	Upland old field
Aster acuminatus		Whorled wood aster	Moist woods, locally common
Aster divaricatus		White wood aster	Woods, low to rocky
Aster lanceolatus		Panicled aster	Fields, edges
Aster lateriflorus		Calico aster	Edges, thickets, old fields
Aster puniceus		Purple-stemmed aster	Streamside wetland, Sawkill Creek
Baptisia tinctoria		Wild indigo	Dry edges, trailsides, old fields, occasional
Bidens frondosa		Beggar's-ticks	Moist edges, streambanks, roadsides
Boehmeria cylindrica		False nettle	Streambanks, wetlands
Cardamine pennsylvanica		Pennsylvania bittercress	Shore, Sawkill Pond & Creek
Centaurea maculosa	A	Spotted knapweed	Fields, dry edges
Cerastium fontanum	A	Mouse-eared chickweed	Moist edges, roadsides
Chenopodium album	A	Lamb's-quarters	Roadsides

BRIDGE PROPERTY

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NALT Biologist Report

Scientific name	Status	Common Name	Comment
Chimaphila maculata		Spotted wintergreen	Low rocky woods, local
Cicuta bulbifera		Bulblet-bearing water-hemlock	Shore, Sawkill Pond
Cirsium vulgare	A	Bull thistle ✓	Edges, fields, roadsides
Clinopodium vulgare	A	Wild basil	Fields
Collinsonia canadensis		Horse-balm	Low woods, streambank side
Coronilla varia	A	Crown vetch	Roadsides
Desmodium nudiflorum		Naked-flowered tick-trefoil	Dry to rocky woods, locally common
Dianthus armeria	A	Deptford pink	Roadsides
Epigaea repens		Trailing arbutus	Dry wooded banks, trailsides
Erechtites hieracifolia		Pilewort	Edges, fields, disturbed soil
Erigeron annuus		Daisy fleabane	Upland old field
Euthamia graminifolia		Grass-leaved goldenrod	Fields, edges
Fragaria virginiana		Wild strawberry	Fields, edges
Galium circaeazans		Wild white licorice	Low rocky woods, local
Galium lanceolatum		Yellow wild licorice	Low rocky woods, local
Galium triflorum		Sweet bedstraw	Low woods
Gaultheria procumbens		Teaberry	Rocky to upland woods, common
Geranium maculatum		Wild geranium	Low woods, streambank side
Geum canadense		White avens	Edges
Hieracium caespitosum	A	King devil	Fields
Hieracium paniculatum		Panicle hawkweed	Woods, rocky to upland
Hieracium piloselloides	A	Small-headed hawkweed	Upland old field
Hieracium scabrum		Rough hawkweed	Dry wooded roadbank, few
Houstonia caerulea		Bluets	Moist fields, local
Hydrocotyle americana		Water pennywort	Streamside wetland, small pond
Hypericum canadense		Canada st. john's-wort	Wooded trailside ditches
Hypericum perforatum	A	Common st. john's-wort	Fields
Hypericum punctatum		Spotted st. john's-wort	Fields, edges
Impatiens capensis		Orange jewelweed	Streambanks, moist woods, marshes
Iris versicolor		Northern blue flag	Wetlands, streambanks
Krigia biflora		Two-flowered cynthia	Moist fields, thickets, edges
Lepidium virginicum		Poor man's pepper	Roadsides
Lobelia cardinalis		Cardinal-flower	Streambanks, wetlands, few
Lobelia inflata		Indian tobacco	Edges, trailsides
Lotus corniculatus	A	Birdsfoot trefoil	Upland old field
Ludwigia palustris		Water purslane	Streambanks
Lycopus virginicus		Bugleweed	Fields, moist edges, thickets
Lysimachia quadrifolia		Whorled loosestrife	Dry edges, thickets, open fields
Lythrum salicaria	A	Purple loosestrife ✓	Shore, Sawkill Pond, Moist seepy roadbank
Maianthemum canadense		Canada mayflower	Woods, often abundant
Medeola virginiana		Indian cucumber-root	Low to rocky woods
Melampyrum lineare v. americanum		Cow-wheat	Dry oak woods, few
Melilotus alba	A	White sweet clover	Dry open roadbank
Mitchella repens		Partridgeberry	Low rocky woods
Monotropa hypopithys		Pinesap	Wooded slope above small pond, few
Monotropa uniflora		Indian pipe	Woods, occasional

BRIDGE PROPERTY

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Scientific name	Status	Common Name	Comment
Myosoton aquaticum	A	Giant chickweed	Shoreline, Sawkill Pond Dam
Oxalis dillenii		Yellow wood-sorrel	Edges, trailsides
Peltandra virginica		Arrow arum	Shore, Sawkill Pond
Phytolacca americana		Pokeweed	Edges, thickets, roadsides
Pilea pumila		Clearweed	Moist woods & thickets
Plantago lanceolata	A	English plantain	Fields, roadsides
Plantago rugelii		Pale plantain	Fields, roadsides
Polygala paucifolia		Gaywings	Low rocky woods & edges, locally common
Polygonum aviculare	A	Knotweed	Roadsides
Polygonum caespitosum	A	Long-bristled smartweed	Moist low woods, local
Polygonum cuspidatum	A	Japanese knotweed ✓	Roadsides
Polygonum hydropiper	A	Common smartweed	Wooded trailside ditches
Polygonum pensylvanicum		Pennsylvania smartweed	Moist seepy roadbank
Polygonum punctatum		Slender water smartweed	Streambanks, wetlands
Polygonum sagittatum		Arrow-leaved tearthumb	Shore, Sawkill Pond, moist ditches
Pontederia cordata		Pickersweed	Shore, Sawkill Pond
Potentilla canadensis		Dwarf cinquefoil	Old fields, dry edges & banks
Potentilla simplex		Common cinquefoil	Low woods, fields
Prenanthes altissima		Tall white wild lettuce	Low woods, occasional
Prenanthes trifoliolata		Gall-of-the-earth	Low rocky woods, local
Prunella vulgaris		Heal-all	Fields, edges, meadows
Pyrola americana		Round-leaved pyrola	Woods edge near Sawkill Pond, local
Pyrola elliptica		Shinleaf	Woods edge near Sawkill Pond, local
Ranunculus abortivus		Kidneyleaf buttercup	Low woods edges
Ranunculus acris	A	Tall meadow buttercup	Moist fields
Ranunculus bulbosus	A	Bulbous buttercup	Fields
Ranunculus recurvatus		Hooked buttercup	Moist low woods
Rudbeckia hirta	A	Brown-eyed susan	Fields, local
Rumex acetosella	A	Sheep sorrel	Roadsides, fields
Sagittaria latifolia		Broad-leaved arrowhead	Shore, Sawkill Pond
Scutellaria galericulata		Marsh skullcap	Shore, Sawkill Pond
Scutellaria lateriflora		Mad-dog skullcap	Shore, Sawkill Pond, small pond
Solanum carolinense	A	Horse-nettle	Upland old field
Solidago bicolor		Silverrod	Woods edges, dry open banks
Solidago caesia		Blue-stemmed goldenrod	Woods, low to rocky
Solidago canadensis		Canada goldenrod	Fields, edges, roadsides
Solidago nemoralis		Gray goldenrod	Upland old field, locally common
Solidago puberula		Downy goldenrod	Dry wooded roadbank, local
Solidago rugosa		Rough-stemmed goldenrod	Low fields, woods, edges
Spiranthes cernua		Nodding ladies'-tresses	Moist seepy roadbank
Stellaria media	A	Common chickweed	Trailsides, moist disturbed soil
Taraxacum officinale	A	Dandelion	Edges, roadsides, fields
Thalictrum pubescens		Tall meadow rue	Low woods, local
Triadenum virginianum		Marsh st. john's-wort	Shore, Sawkill Pond
Trifolium borealis		Star-flower	Rocky, moist, to dry woods, frequent
Trifolium pratense	A	Red clover	Fields, roadsides

BRIDGE PROPERTY

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NALT Biologist Report

Scientific name	Status	Common Name	Comment
Trifolium repens	A	White clover	Trailsides, fields, roadsides
Typha latifolia		Cattail	Moist seepy roadbank
Uvularia perfoliata		Perfoliate bellwort	Low rocky woods, local
Uvularia sessilifolia		Sessile bellwort	Woods, mostly low & moist
Veronica officinalis		Common speedwell	Dry open woods, thickets, fields
Veronica serpyllifolia	A	Thyme-leaved speedwell	Trails, roadsides, grassy edges
Viola sororia		Common blue violet	Woods, fields, thickets
Shr			
Amelanchier stolonifera		Running juneberry	Woods above shoreline, Sawkill Pond, few
Chamaedaphne calyculata		Leatherleaf	Shore, Sawkill Pond
Prunus virginiana		Choke cherry	Low woods, streambank side
Shrubs			
Aronia melanocarpa		Black chokeberry	Thicket shoreline, Sawkill Pond
Berberis thunbergii	A	Japanese barberry ✓	Low woods, upland field, often common
Cephalanthus occidentalis		Buttonbush	Shore, Sawkill Pond
Comptonia peregrina		Sweet-fern	Dry upland old field, abundant
Cornus amomum		Swamp dogwood	Shore, Sawkill Pond
Cornus racemosa		Panicked dogwood	Thickets, old fields, edges
Corylus cornuta		Beaked hazelnut	Low rocky woods edge near Sawkill Pond
Decodon verticillatus		Water-willow	Shore, Sawkill Pond, Sawkill Creek
Gaylussacia baccata		Black huckleberry	Rocky to upland woods, abundant upland
Hamamelis virginiana		Witch-hazel	Rocky woods, local
Ilex verticillata		Winterberry	Low woods near Sawkill Pond
Kalmia angustifolia		Sheep laurel	Woods under oak, often common
Kalmia latifolia		Mountain laurel	Dry woods & slopes, locally frequent
Lindera benzoin		Spicebush	Low woods, occasional
Quercus ilicifolia		Scrub oak	Dry upland woods, local
Rhododendron periclymenoides		Pinxter flower	Wooded slope near Sawkill Pond
Rhododendron viscosum		Swamp white azalea	Shore, Sawkill Pond
Rosa carolina		Pasture rose	Old fields, thickets, edges
Rosa multiflora	A	Multiflora rose ✓	Old fields, thickets
Rosa palustris		Swamp rose	Shore, Sawkill Pond
Rubus allegheniensis		Blackberry	Edges, thickets, fields
Rubus flagellaris		Dewberry	Edges, thickets, old fields
Rubus hispidus		Swamp dewberry	Low woods, thickets, & fields
Rubus occidentalis		Thimbleberry	Thickets, edges
Salix discolor		Pussy-willow	Wooded roadbank, few
Sambucus canadensis		Elderberry	Low woods, moist thickets
Sorbus decora		Showy mountain-ash	Woods edge along old road, few
Spiraea latifolia		Meadow-sweet	Fields
Spiraea tomentosa		Steeplebush	Shore, Sawkill Pond, Upland fields/thickets
Vaccinium angustifolium		Low sweet blueberry	Woods, mostly dry upland
Vaccinium corymbosum		Highbush blueberry	Rocky woods, shorelines, occasional
Vaccinium pallidum		Lowbush blueberry	Woods, mostly dry upland
Vaccinium stamineum		Deerberry	Dry woods, occasional

BRIDGE PROPERTY

Page 5 of 7

Scientific name	Status	Common Name	Comment
Viburnum acerifolium		Maple-leaved viburnum	Woods
Viburnum dentatum		Southern arrowwood viburnum	Low woods & thickets
Trees			
Acer rubrum		Red maple	Woods
Amelanchier arborea		Shadbush	Woods, occasional
Betula lenta		Cherry birch	Woods, slopes
Betula populifolia		Gray birch	Woods edges, old fields
Carpinus caroliniana v. virginiana		Ironwood	Low woods, local
Carya cordiformis		Bitternut hickory	Low woods, seedling
Carya glabra		Pignut hickory	Woods
Carya ovalis		Sweet pignut hickory	Low woods
Castanea dentata		American chestnut	Woods above shoreline, Sawkill Pond
Cornus alternifolia		Pagoda dogwood	Low woods, few
Cornus florida		Flowering dogwood	Woods
Crataegus species		Hawthorn	Woods, low
Fagus grandifolia		American beech	Upland woods, one understory tree
Fraxinus americana		White ash	Woods, mostly low
Nyssa sylvatica		Black gum	Woods, mostly in subcanopy
Pinus rigida		Pitch pine	Dry upland woods, common
Pinus strobus		White pine	Woods
Populus grandidentata		Bigtooth aspen	Fields, edges, thickets
Quercus alba		White oak	Woods
Quercus montana		Chesnut oak	Woods, rocky to dry
Quercus rubra		Red oak	Woods
Quercus velutina		Black oak	Woods, common in upland
Rhus hirta		Staghorn sumac	Thickety streambanks, local
Sassafras albidum		Sassafras	Woods, thickets, edges, common
Tilia americana		Basswood	Moist woods near Sawkill Pond, seedlings
Tsuga canadensis		Eastern hemlock	Low rocky woods, seedlings
Ulmus rubra		Slippery elm	Moist woods near Sawkill Pond, local
Vines, herbaceous			
Apios americana		Groundnuts	Shore, Sawkill Pond
Solanum dulcamara	A	Deadly nightshade	Shore, Sawkill Pond, moist edges
Vines, woody			
Parthenocissus quinquefolia		Virginia creeper	Woods, mostly low
Smilax rotundifolia		Round-leaved greenbrier	Above Shoreline, Sawkill Pond
Toxicodendron radicans		Poison ivy	Woods, mostly low
Vitis aestivalis		Summer grape	Open woods, edges, thickets
Vitis labrusca		Fox grape	Moist streamside thickets, few

BRIDGE PROPERTY

Page 6 of 7

NALT Biologist Report

Scientific name	Status	Common Name	Comment
256 SPECIES IN 72 FAMILIES	18%	ALIEN	45 ALIEN SPECIES
Status: A=Alien, PE= PA ENDANGERED, PT=PA THREATENED, PR=PA RARE PV=PA VULNURABLE, PU=PA UNDETERMINED, PW=PA WATCHLIST			
BRIDGE PROPERTY			
Page 7 of 7			

Invasive Plant List for PA

Invasive Plants in Pennsylvania

The species listed below are serious threats to our native ecosystems. Many have been designated as "Noxious Weeds" by the PA Department of Agriculture.

Flowers

Scientific Name	Common Name	Notes
<i>Aegopodium podagraria</i>	Goutweed	Commonly planted in the past and escaped; spreads aggressively by roots
<i>Alliaria petiolata</i>	Garlic mustard	Invasive in many states; spreading aggressively in woodlands by seed
<i>Carduus nutans</i>	Musk thistle	PA noxious Weed
<i>Cirsium arvense</i>	Canada thistle	PA noxious Weed
<i>Cirsium vulgare</i>	Bull thistle	PA noxious Weed
<i>Datura stramonium</i>	Jimsonweed	Sometimes cultivated; spreads by seed, PA Noxious Weed
<i>Galega officinalis</i>	Goatsrue	PA and Federal Noxious Weed
<i>Heracleum mantegazzianum</i>	Giant hogweed	PA and Federal Noxious Weed, sap can cause burning blisters
<i>Hesperis matronalis</i>	Dame's rocket	Planted in gardens; escaped and naturalized along roads; spreads by seed
<i>Lythrum salicaria</i> , <i>L. virgatum</i>	Purple loosestrife	Garden escape which has become invasive in many states; PA noxious Weed
<i>Myriophyllum spicatum</i>	Eurasian water-milfoil	Invasive in many states; aquatic
<i>Ornithogalum nutans, umbellatum</i>	Star-of-Bethlehem	Common garden plant which has widely escaped
<i>Pastinaca sativa</i>	Wild parsnip	Found commonly along roadsides; widespread and abundant; spread by seed
<i>Perilla frutescens</i>	Beefsteak plant	Garden escape; widespread mostly along roadsides; spread by seed
<i>Polygonum (Falop.) cuspidatum</i>	Japanese knotweed	Invasive in many states; difficult to control; spreads by roots and seeds
<i>Ranunculus ficaria</i>	Lesser celandine	Spreads by roots and shoots; can be very aggressive in wetlands
<i>Trapa natans</i>	Water chestnut	Wetland plant; should not be introduced as it will escape, spread, and naturalize

Grasses

Scientific Name	Common Name	Notes
<i>Bromus tectorum</i>	Cheatgrass	Annual grass; invasive throughout the west; spreads by seed
<i>Microstegium vimineum</i>	Japanese stilt grass	Annual grass; invasive in many states; spreading through woodlands by seed
* <i>Miscanthus sinensis</i>	Maiden grass	Commonly planted ornamental grass which can escape and spread by seed
<i>Phalaris arundinacea</i>	Reed canary grass	Aggressive wetland grass; native and introduced strains; widespread and abundant
<i>Phragmites australis</i>	Common reed	Native and introduced strains; wetland grass which can form huge colonies
<i>Sorghum bicolor ssp. drummondii</i>	Shattercane	PA noxious Weed
<i>Sorghum halepense</i>	Johnson grass	PA noxious Weed; spreads by roots and seeds

Shrubs

Scientific Name	Common Name	Notes
* <i>Berberis thunbergii</i>	Japanese barberry	Escaped from cultivation and invasive in many states; spread by birds
<i>Berberis vulgaris</i>	European barberry	Escaped from cultivation; spread by birds
<i>Elaeagnus angustifolia</i>	Russian olive	Escaped from plantings and invasive in many states; spread by birds
<i>Elaeagnus umbellata</i>	Autumn olive	Escaped from plantings and invasive in many states; rapidly spread by birds

* <i>Euonymus alatus</i>	Winged Euonymus	Escaped from plantings; invasive in moist forests
<i>Ligustrum obtusifolium</i>	Border privet	Escaped from cultivation; seeds spread by birds
<i>Ligustrum vulgare</i>	Common privet	Planted very commonly in the past and escaped; invasive in many states
<i>Lonicera maackii</i>	Amur honeysuckle	Escaped from plantings; seeds spread by birds
<i>Lonicera morrowii</i>	Morrow's honeysuckle	Escaped from plantings and invasive in many states; seeds spread by birds
<i>Lonicera morrowii x tatarica</i>	Bell's honeysuckle	Escaped from cultivation
<i>Lonicera standishii</i>	Standish honeysuckle	Escaped from plantings; seeds spread by birds
<i>Lonicera tatarica</i>	Tartarian honeysuckle	Escaped from plantings; seeds spread by birds
<i>Rhamnus catharticus</i>	Common buckthorn	Becoming a problem in PA
<i>Rhamnus frangula</i>	Glossy buckthorn	Becoming a problem in PA
<i>Rubus phoenicolasius</i>	Wineberry	Common bramble; not cultivated; spread by seed
<i>Rosa multiflora</i>	Multiflora rose	Invasive in many states; seeds spread by birds; PA noxious Weed
* <i>Spiraea japonica</i>	Japanese spiraea	Frequently planted; escaped in some areas
* <i>Viburnum opulus var. opulus</i>	Guelder rose	Resembles native <i>Viburnum trilobum</i> which it replaces; both are cultivated and planted

Trees

Scientific Name	Common Name	Notes
* <i>Acer platanoides</i>	Norway maple	Commonly planted and escaped; invasive in many states; wind spreads prolific seeds
<i>Acer pseudoplatanus</i>	Sycamore maple	Escaped from cultivation; wind spreads prolific seeds
<i>Ailanthus altissima</i>	Tree-of-heaven	Invasive in many states; wind spreads prolific seeds
<i>Paulownia tomentosa</i>	Princess tree	Prolific seeds fall to start new seedlings
* <i>Pyrus calleryana</i>	Callery pear	Commonly planted street tree; becoming a problem as an escape
<i>Ulmus pumila</i>	Siberian elm	Escaped from cultivation

Vines

Scientific Name	Common Name	Notes
<i>Akebia quinata</i>	Fiveleaf akebia	Escaped from cultivation
<i>Ampelopsis brevipedunculata</i>	Porcelain-berry	Escaped from cultivation
<i>Celastrus orbiculatus</i>	Oriental bittersweet	Escaped from cultivation and invasive in many states; spreading rapidly (by birds)
<i>Lonicera japonica</i>	Japanese honeysuckle	Invasive in many states
<i>Polygonum perfoliatum</i>	Mile-a-minute vine	Range expanding; PA Noxious Weed
<i>Pueraria lobata</i>	Kudzu	Invasive in many states; PA Noxious Weed

APPENDIX D

STUDY COMMITTEE MEETING MINUTES

Committee Meeting #1

DINGMAN TOWNSHIP BRIDGE PRESERVE MASTER SITE PLAN

STUDY COMMITTEE MEETING #1

JUNE 11, 2009

AGENDA

1. Welcome & Introductions
2. Master Site Plan Goals
 - Conservation, Preservation and Limited Development
 - Promote Passive Recreation and Environmental Education
 - Creative, Simple and Effective Park Design Solutions
 - Compatibility with Surroundings and Existing Recreation Facilities
3. Proposed Project Schedule
 - Committee Meetings Dates, Times and Place
 - Monthly Reports
 - Two Public Meetings
4. Public Participation
 - User Surveys
 - Key Person Interviews
5. Next Steps: Committee Meeting # 2
 - Site Inventory and Analysis
 - In Field Site Visit
6. Open Discussion (Questions & Answers)
7. Adjourn

Dingman Township Bridge Preserve
Master Site Plan
June 11, 2009 (6:30 PM)

Study Committee #1 Meeting Minutes

06/15/2009 13:28 5782962158 DINGMAN TWP PAGE 82
BRIDGE PRESERVE MASTER SITE PLAN COMMITTEE MEETING #1 JUNE 11, 2009

ATTENDANCE

Thomas McLane, McLane Associates; George Kleist, Chairman; Anthony Contino, Ken Rosamelli, Millard Township; Phyllis Simpson, Millard Township; Scott Boyce, Pike County Planning; Howard Hutter, Cynthia Rutzner; Barbara Tichenor; John Tichenor; Bill Day; Kathy Day; Julie R. Forbes, Recording Secretary

ITEM NO. 1: CALL TO ORDER

Chairman Kleist called the meeting to order at 6:30 pm.

ITEM NO. 2: BRIDGE PRESERVE

Tom McLane outlined the procedure that will be followed in developing a Master Site Plan for the Bridge Preserve. There will be four joint meetings with Millard Township along with two public meetings. The following questions will be researched by our next meeting.

1. What restrictions are there on the property?
2. Will dogs be allowed?

We briefly touched on what kind of activities would be available at the park such as nature trails, bike trails, fishing and possible horse back riding. Members of the audience voiced concern for keeping a good buffer area between the trails and neighboring houses.

It was decided that the next joint meeting would be on site at the park on Saturday June 27, 2009 at 8:00 am.

MOTION was made by Tom McLane, seconded by George Kleist, and unanimously carried to adjourn.

ITEM NO. 3: ADJOURNMENT

Respectfully submitted,

Julie R. Forbes, Recording Secretary

The above accounting of the June 11 meeting was prepared by the recording secretary, Julie R. Forbes, and faxed to McLane Associates on 06-15-09. Please correct or clarify any misstatements, representations or omissions to these minutes prior to committee acceptance.

Respectfully Submitted: Paul Bechtel
June 29, 2009

Committee Meeting #2

BRIDGE PRESERVE MASTER SITE PLAN

STUDY COMMITTEE MEETING #2 SITE VISIT

JUNE 27, 2009 – 8:00 AM

AGENDA

1. Welcome and Introductions
2. Site Walk Through (Northern Parcel)
 - Allow Committee Members a Chance to See and Explore Site
 - Discuss Development Options
 - Initial Site Inventory and Analysis
 - Identify Major Site Constraints and Benefits
 - Document Committee Members Ideas and Thoughts
 - Discuss Park Access and Identify Potential Parking Areas
3. Next Steps:
 - Schedule Next Committee Meeting
4. Adjourn

Dingman Township Bridge Preserve
Master Site Plan
June 27, 2009 (8:00 AM – 10:30 AM)
Location: On-Site

Study Committee #2 Meeting Minutes

8:00 AM Sign-in and Welcome, Car-Pooled to Site

Study Committee Members in Attendance (4 of 6):

Ken Rosanelli Phyllis Simpson George Kleist Anthony Contino

Others in Attendance:

Howard Huttner Cynthia Huttner Julie Forbes

8:15 AM *Site Walk-through Notes:*

- Mclane Associates and members of the study committee walked the northern portion of the preserve.
- Interested in trail width able to handle two-people side by side (5-8' width)
- Mclane Associates will assess potential for loop trail with pond as destination point
- New trails will be built as sustainable as possible (follow contours, avoid wetlands, eliminate fall lines)
- Keep away from property line and houses as much as possible
- Interested in interpretive signage (plant/tree tags)
- Interested in a few kiosks for preserve map and educational information (rattlesnakes, pond, wildlife, etc.) → Contact Pike County Environmental Education Center, they can provide help for sign development
- Contact Susan Beecher → Conservation District, and Sally Corrigan → Planning
- Perhaps utilize mile markers to gauge distance traveled for preserve users
- Benches that blend into nature along trail (rest areas), Shawn Bolles → lumber mill owner can perhaps help construct natural benches from wood
- Perhaps make a trail around the pond berm
- Clear portions of the meadow area, it will act as the center of the northern preserve → perhaps construct a pavilion and kiosk, loop trail begins/ terminates at this location
- Existing road to access site may have issues obtaining an HOP from PennDOT. Mclane Associates is identifying a few potential alternate parking areas

10:30 Meeting wrap-up

- Next meeting is a Study Committee Meeting is "to be scheduled"
- Mclane Associates will prepare Meeting Minutes and Concept Sketch by June 30, 2009 → will be reviewed by the Township Supervisors that Evening

The above accounting of the June 27 meeting is the recollection of Paul Bechtel as recorded in his meeting notes. Please correct or clarify any misstatements, representations or omissions to these minutes prior to committee acceptance.

Respectfully Submitted: Paul Bechtel
June 29, 2009

Committee Meeting #3

BRIDGE PRESERVE MASTER SITE PLAN

STUDY COMMITTEE MEETING #3 SITE VISIT

JULY 27, 2009 – 6:00 PM

AGENDA

1. Welcome and Introductions
2. Review Initial Concept for Northern Parcel
 - Township Supervisor Comments
 - Parking Areas
 - Educational Signage
 - Rustic Benches
3. Site Walk Through (Southern Parcel)
 - Allow Committee Members a Chance to See and Explore Site
 - Discuss Development Options
 - Initial Site Inventory and Analysis
 - Identify Major Site Constraints and Benefits
 - Document Committee Members Ideas and Thoughts
 - Discuss Park Access and Identify Potential Parking Areas
4. Next Steps:
 - Schedule Next Committee Meeting and First Public Meeting
5. Adjourn

Dingman Township Bridge Preserve
Master Site Plan
July 27, 2009 (6:00 PM – 8:30 PM)
Location: On-Site – Southern Parcel

Study Committee #3 Meeting Minutes

6:00 PM Sign-in and Welcome

Study Committee Members in Attendance (4 of 6):

Ken Rosanelli Phyllis Simpson George Kleist Tony Sciano

Others in Attendance:

Scot Boyce Tony Sciano's sons Cathy Rosanelli Julie Forbes

6:05 PM Passed out Handouts

- Agenda
- Initial draft concept of Northern Parcel for review
- Meeting Minutes #2 for review
- Rustic Bench examples

6:10 PM Review of Past Meeting and New Updates

- McLane Associates contacted Susan Beecher (Conservation District), Sally Corrigan (Planning Commission), and PEEC
- Sally provided reference material for review (Pike County Park Master Site Plan and Pike County Parks Operations and Maintenance Plan)
- Scott Boyce (Planning Commission) also provided a map that illustrated a potential connection from the Northern parcel southeast to the Delaware State Forest and Lily Pond
- McLane Associates started Key Person interviews
 - o Jeff Rosalsky of the (PEEC) on 07-27-09 at 4:00PM. He provided guidance on Educational Materials and his thoughts on successful passive recreation including trail layout. Additionally, Jeff provided his thoughts on amenities like pavilions, shelters, benches and receptacles in terms of durability and materials. PEEC staff can be available to lead educational tours once Preserve is completed. PEEC has completed trails at Camp Akanak and Shohola Elementary School, which may be comparable and useful to visit.
- Township supervisors will review the Bridge Preserve concepts once the master plan is completed, rather than provide ongoing opinions and guidance.
- Committee wants the term "pavilion" removed from all concepts – replace with a small shelter. Large gatherings are not a goal and should not be encouraged at the Preserve.
- Should all adjacent land owners be contacted during the Master Plan process?

6:30 PM Site Walk-through Notes:

- Proposed parking area #1 is too close to Sawkill Creek, which is an EV Stream. A secondary location should be assessed.
- Are there township or state buffer requirements for parking areas near an EV stream? 50 feet, 100 feet?

Committee Meeting #3 CONT.

- Township will plow parking areas in winter
- A portion of the meadow areas in the Southern Parcel will be maintained (mowed)
- A few wildlife blinds may be added to the meadow areas to observe birds and wildlife
- The existing trails need minor clearing in most locations – limb up trees, mow, rake
- The main loop will be directed away from the New Jersey Camp and other private property areas along the lake to reduce trespassing
- Access to the lake will be limited to two areas; they will include a picnic table and a trash receptacle, which the township will empty
- There will be no swimming or boating
- Fish at your own discretion
- McLane should provide a map that depicts the site slopes and the grade of the proposed trails
- An alternate trail head location was scouted out along Sawkill Road; however, there are areas of potential wetlands, line of sight issues and close proximity to an adjacent landowner. Thus, a more thorough assessment must be completed in the daylight.
- Paul and George Kleist met with Tom and Judy Neugebauer, landowners along Sawkill Road, after the site walk-through. They are all for the project, however, would prefer that any trailhead be constructed as far away as possible from their property. They mentioned that portions of the Preserve were maintained, there is no additional formal crossing over Sawkill Creek and X-country skiing was a nice amenity.

8:30 PM *Meeting wrap-up and Assigned Responsibilities*

- Next meeting is a Study Committee Meeting is “to be scheduled”
- McLane Associates will prepare Meeting Minutes and Concept Sketch which will be sent to the committee and PA DCNR. Additionally, the map provided by Scot Boyce will be sent to Julie Forbes.
- Ken Rosanelli will speak with Milford Township representatives to update them on the Master Plan process. Additionally, he will ask if the township has any pertinent reference material including completed master plans that should be reviewed.
- McLane Associates will check with Susan Beecher about issues related to earth disturbance and stream crossings.
- McLane Associates will continue to complete key person interviews
- McLane Associates will make a site visit to further assess the best location for the trail head
- Supervisors will be in attendance at the 4th Committee meeting
- Committee will tell McLane Associates whether all adjacent landowners should be contacted during the Master Plan Process

The above accounting of the July 27 meeting is the recollection of Paul Bechtel and Ken Rosanelli (Milford Representative) as recorded in their meeting notes. Please correct or clarify any misstatements, representations or omissions to these minutes prior to committee acceptance.

Respectfully Submitted: Paul Bechtel
July 29, 2009

Committee Meeting #4

BRIDGE PRESERVE MASTER SITE PLAN

STUDY COMMITTEE MEETING #4

SEPTEMBER 21, 2009 – 6:00 PM

AGENDA

1. Welcome and Introductions
2. New Updates since last Committee Meeting
3. Review and Finalize Concepts for Northern and Southern Parcels
 - Amenities
 - Parking Areas
4. Grants and Permits
 - Penn DOT HOP Permit
 - Discuss PA Environmental Council Grant Opportunity (Due Oct. 22, 2009)
5. Next Steps:
 - Schedule Public Meeting
6. Adjourn

Dingman Township Bridge Preserve
Master Site Plan
September 21, 2009 (6:30 PM – 8:15 PM)
Location: Dingman Township Municipal Building

Study Committee #4 Meeting Minutes

6:30 PM Sign-in and Welcome

Study Committee Members in Attendance (5 of 6):

Ken Rosanelli Phyllis Simpson George Kleist Sharon Schroeder Anthony Contino

Others in Attendance:

Scot Boyce Julie Forbes Cathy Rosanelli

6:35 PM Passed out Handouts

- Agenda
- Meeting Minutes #3 for review

6:40 PM Synopsis of Previous Meeting and Acceptance of Minutes #3 Review of Previous Responsibilities New Updates since Last Meeting

- *McLane Associates will prepare Meeting Minutes and Concept Sketch which will be sent to the committee and PA DCNR. Additionally, the map provided by Scot Boyce will be sent to Julie Forbes. Map from Scot was sent to Julie. Minutes and concept sketches were prepared.*
- *Ken Rosanelli will speak with Milford Township representatives to update them on the Master Plan process. Additionally, he will ask if the township has any pertinent reference material including completed master plans that should be reviewed. Following are notes provided by Ken summarizing the Planning Boards Comments:*
 - add signs to state the fines/penalties for using property after hours and for other than the intended uses of the property
 - concerned that shelters will be used inappropriately especially after hours
 - members felt adjacent property owners should be notified directly about the project
 - signs needed to state the minimum age of unaccompanied minors
 - overall they were very pleased with the project
 - Ken mentioned the upcoming public meeting and encouraged all to attend.
 - the supervisors meet in two weeks, so Ken left the concept maps with Viola (township sec.) for them to view. The maps will be returned to Dingman Township after that time.
- *McLane Associates will check with Susan Beecher about issues related to earth disturbance and stream crossings. Susan Beecher was interviewed and this topic was addressed.*

Committee Meeting #4 CONT.

- *McLane Associates will continue to complete key person interviews.* McLane Associates completed key person interviews with Susan Beecher (Conservation District) and Sally Corrigan (Planning Commission). Attended by Scot Boyce as well. All in support of project.
- *McLane Associates will make a site visit to further assess the best location for the trail Head.* Met with PennDOT (Allen Jones) in field to discuss trailhead parking locations and acquired HOP permit applications. Viable parking options were identified along Twin Lakes Road and Sawkill Road. The existing access points can be used for emergency vehicles if needed.
- Some GIS data was provided to McLane Associates by Pike County
- No decision was made as to whether all adjacent land owners will be contacted and interviewed.

7:00 PM *Critical Review of Concept Plans:*

- Can billboards be used as educational tools, promote conservation watershed education or highlight "green" or conservation companies? Billboards are leased from Township – township does not control what is placed on board.
- All trails will be non-motorized (hikers, bikes, x-country)
- Probably no equestrian because trailers would require a larger parking area
- No dog park will be proposed for concept, dogs allowed in preserve on a leash
- Sawkill is an EV stream and it is linked to the Milford water supply – try to keep trails and parking areas away from floodplain. Bringing in stone or mulch for a trail tread is still considered fill material.
- A potential shelter will be proposed for Phase 2 near the pond in the north.
- Trail widths: South (Main trail is 5', Spur trails are 18"); North (Trail is 3-5'). Narrower trails can help minimize disturbance. A 1 ft safety zone will be alongside the trail as well.
- Proposed parking areas were confirmed as documented on map with 6-8 stalls
- Dawn to Dusk hours
- Picnic table(s) and trash receptacle by lake
- Place private property sign near NJ Camp
- Place only one rustic looking gazebo in northern parcel meadow (maybe 20' diameter); visit Child's Park for an example
- Funding: DCNR grant for master plan study (50/50 match), construction from Dingman Township general fund with no increase in taxes, no cost to Milford Township at this time
- Grant Opportunity: Block grant through PA Environmental Council will be submitted in October (to be prepared by Dingman and McLane Associates)

8:15 PM *Meeting wrap-up and New Assigned Responsibilities*

- Next meeting will be a Public Hearing and it is "to be scheduled" in Late October (October 28th) at Milford Township Building.

- McLane Associates will meet with Karen Kleist from Dingman Township to complete and submit the HOP permit and visit site to stake and flag potential parking areas.
- McLane will send trail lengths to Ken for his meeting with Milford Township representatives
- McLane Associates will contact and meet with PA DCNR (Tim Bulch) and the Milford Water Authority (Tim Gartner)

The above accounting of the September 21 meeting is the recollection of Paul Bechtel and Ken Rosanelli (Milford Representative) as recorded in their meeting notes. Please correct or clarify any misstatements, representations or omissions to these minutes prior to committee acceptance.

Respectfully Submitted: Paul Bechtel
September 24, 2009

Committee Meeting #5

BRIDGE PRESERVE MASTER SITE PLAN

STUDY COMMITTEE MEETING #5

JANUARY 27, 2010 – 6:30 PM

AGENDA

1. Welcome and Introductions
2. New Updates since Public Hearing #2
Meeting with PA Bureau of Forestry
Meeting with local Mountain Biking Community
3. Review the Draft Narrative and Maps for the Bridge Preserve Master Site Plan
4. Next Steps:
 - Upload completed document onto the Dingman Township website
 - Invite committee members, key persons, local agencies and other stakeholders a chance to critically review the Draft.
 - Solicit a few letters of support for the draft
 - Submit the draft plan to PA DCNR for their review.
5. Adjourn

Dingman Township Bridge Preserve
Master Site Plan
January 27, 2010 (6:30 PM – 7:30 PM)
Location: Dingman Township Municipal Building

Study Committee #5 Meeting Minutes

6:30 PM Sign-in and Welcome

Study Committee Members in Attendance (5 of 6):

Tony Sciano Phyllis Simpson George Kleist Sharon Schroeder Anthony Contino

Others in Attendance:

Julie Forbes

6:40 PM New Updates since Last Meeting:

The consultant met with the PA Bureau of Forestry, Swiftwater Office, on January 22, 2010. The district forester and two assistant district foresters were supportive of the project and they are willing to discuss trail connections from the Bridge Preserve to the State Forest Land. Their main concern is maintenance of any newly constructed trails over both the short term (1-2 years) as well as, over the long term (15-20 plus years). Additional meetings must be held between the Bureau and the townships once the project shifts from planning into construction phase.

The consultant met with a few representatives of the local Mountain Biking Community in the greater Milford area. They are interested and supportive of the project and they are willing to help with trail layout, construction and maintenance.

6:50 PM Critical Review of Draft Narrative:

The committee was fine with the direction of the draft narrative.

7:30 PM Meeting wrap-up and New Assigned Responsibilities

The next meeting, Spring 2010, will be centered around project implementation.

The completed document will be uploaded to the Dingman Township website and all committee members, key persons, local agencies and other stakeholders will be encouraged to critically review the Draft. The consultant and townships will solicit a few letters of support for the draft and then submit the draft plan to PA DCNR for their review.

The above accounting of the January 27, 2010 meeting is the recollection of Paul Bechtel as recorded in his meeting notes. Please correct or clarify any misstatements, representations or omissions to these minutes prior to committee acceptance.

Respectfully Submitted: Paul Bechtel
January 28, 2010

APPENDIX E

PUBLIC HEARING MEETING MINUTES

Public Hearing #1

BRIDGE PRESERVE MASTER SITE PLAN

PUBLIC HEARING #1

OCTOBER 28, 2009 – 6:00 PM

MILFORD TOWNSHIP MUNICIPAL BUILDING

AGENDA

1. Welcome and Introductions
2. Overview of Master Site Plan Process and Study Committee Goals
3. Site Inventory and Analysis Review – PowerPoint Presentation
4. Review and Critique Concepts for Northern and Southern Parcels
5. Next Steps:
 - Schedule Next Committee Meeting and Last Public Hearing
 - Finalize Draft Master Site Plan (Narrative + Mapping) for Review
6. Adjourn

Dingman Township Bridge Preserve
Master Site Plan
October 28, 2009 (6:00 PM – 8:00 PM)
Location: Milford Township Municipal Building

Public Hearing #1 Meeting Minutes

6:00 PM Sign-in and Welcome

Study Committee Members in Attendance (3 of 6):

Phyllis Simpson George Kleist Anthony Contino

Others in Attendance:

Scot Boyce Julie Forbes Ken Greening Viola Canouse Ray Willis

6:15 PM *Passed out Handouts*

- Agenda
- Northern Parcel Concept
- Southern Parcel Concept

6:30 PM *Synopsis of Previous Meeting and Acceptance of Minutes #4 Review of Previous Responsibilities New Updates since Last Meeting*

McLane Associates will meet with Karen Kleist from Dingman Township to complete and submit the HOP permit and visit the site to stake and flag potential parking areas.

- Met with Phyllis on September 28, 2009 and flagged parking areas and made HOP measurements.
- Provided HOP applications to Karen on 10-21-09.

McLane will send trail lengths to Ken for his meeting with Milford Township representatives

- Sent to Ken on September 22, 2009

McLane Associates will contact and meet with PA DCNR (Tim Bulch) and the Milford Water Authority (Tim Gartner)

- Gave presentation to the Milford Water Authority board members on 09-28-09
- Contacted PA DCNR, have not met with them yet

Karen Kleist and McLane Associates completed and submitted a grant application for funding available from the Pennsylvania Environmental Council on 10-21-09

6:40 PM *Powerpoint Presentation: Agenda Sections with Key Points of Discussion*

Master Site Plan Process

- A few key person interviews are left (PaDCNR, Pike County Historical Society)

Public Hearing #1 Cont.

- One more public hearing is needed and a few more committee meetings
- The narrative report is started, however, not completed yet. The mapping is 85% completed.

Site Introduction

- McLane Associates needs more information about the sites history specifically about the Bridge family and the sites past facilities, amenities or activities.

Regional and Local Context

- McLane Associates needs to complete the profiles for all local and regional communities as well as document all local, state, county and national parks and open space in the area.

Site Inventory and Analysis

- A PNDI search of the property had a hit from the PA Game Commission (bald eagle nest) and the PA Fish and Boat Commission (avoidance measure for rocky outcroppings). McLane Associates will meet the Game Commission Biologist in the field in late November or December to identify location of the nest.

George Kleist: The potential nest is on NJ Camp property where they just installed the sewage treatment plant

Phyllis Simpson: Wouldn't the camp have run a PNDI before?

Ken Greening: Has seen bald eagles around the Sawkill Creek corridor before.

Existing Conditions

- No comments

Concepts and Proposed Amenities

- *Phyllis Simpson:* we can use colored dots along the trail to guide users and we should add bird-feeding stations to the meadow areas.
- *Ray Willis:* Wants McLane Associates to prepare a scaled map of the proposed improvements to the northern meadow area and update photoshop rendering to include the following options – a rustic gazebo, a picnic table and trash receptacle, a kiosk, and a sunshelter/kiosk hybrid
- Northern Parcel parking lot off Twin Lakes Road will not be a typical rectangular lot and will be designed to avoid removal of any large trees.

Question and Answer

- *Ken Greening:* How would the trails be constructed? What would the surface be made of? McLane Associates: The trails would be constructed following guidelines set forth by the International Mountain Bicycling Association and be a natural mineral surface.

7:45 PM Meeting wrap-up and New Assigned Responsibilities

- Can billboards be used as educational tools, promote conservation watershed education or highlight “green” or conservation companies? Billboards are leased from Township – township does not control what is placed on board.
- McLane Associates needs to meet with Susan Beecher again to discuss a potential wet area crossing in the northern parcel.
- The exact parking lot location still depends upon HOP approval.

The above accounting of the October 28 public hearing is the recollection of Paul Bechtel and Julie Forbes (Dingman Township, Recording Secretary) as recorded in their meeting notes. Please correct or clarify any misstatements, representations or omissions to these minutes prior to committee acceptance.

Respectfully Submitted: Paul Bechtel
October 30, 2009

Public Hearing #1 Sign-in Sheet

BRIDGE PRESERVE MASTER SITE PLAN PUBLIC HEARING #1 – OCTOBER 28, 2009

Scot Boyce	Pike County Planning	570-226-6293	sboyce@pikepa.org
NAME	ADDRESS	PHONE	EMAIL
Phyllis Simpson (Milford Rep.)	109 Westwood Ct., Milford	570-296-2880	psimpson@ptd.net
NAME	ADDRESS	PHONE	EMAIL
George Kleist (Dingman Rep.)	Dingman Township		kleist@ptd.net
NAME	ADDRESS	PHONE	EMAIL
Julie Forbes (Recording Secretary)	Dingman Township		julie@dingmantownship.info
NAME	ADDRESS	PHONE	EMAIL
Anthony Contino (Dingman Rep.)			
NAME	ADDRESS	PHONE	EMAIL
Ken Greening Planning Comm.	216 Schocopee Road	296-8008	
NAME	ADDRESS	PHONE	EMAIL
Viola Canouse	128 Sunset Terrace	296-8527	Milford Twnp Secretary
NAME	ADDRESS	PHONE	EMAIL
Ray Willis Planning Comm.	241 Firetower Road	296-4807	
NAME	ADDRESS	PHONE	EMAIL

Public Hearing #2

BRIDGE PRESERVE MASTER SITE PLAN

PUBLIC HEARING #2

DECEMBER 3, 2009 – 6:00 PM

DINGMAN TOWNSHIP MUNICIPAL BUILDING

AGENDA

1. Welcome and Introductions
2. Overview of Master Site Plan Process and Study Committee Goals
3. Site Inventory and Analysis Review – PowerPoint Presentation
4. Review and Critique Concepts for Northern and Southern Parcels
5. Review Cost Estimate
6. Next Steps:
 - Schedule Next Committee Meeting in January 2010
 - Finalize Draft Master Site Plan (Narrative + Mapping)
 - Send Draft Report to Committee and Stakeholders for review prior to next committee meeting (email, CD, or download from Dingman website)
7. Adjourn

Dingman Township Bridge Preserve
Master Site Plan
December 3, 2009 (6:00 PM – 8:30 PM)
Location: Dingman Township Municipal Building

Public Hearing #2 Meeting Minutes

6:00 PM Sign-in and Welcome

Study Committee Members in Attendance (3 of 6):

Phyllis Simpson George Kleist Ken Rosanelli

Others in Attendance:

Julie Forbes Cathy Rosanelli

6:15 PM Passed out Handouts

- Agenda
- Northern Parcel Concept
- Southern Parcel Concept
- Draft Cost Estimate

6:30 PM Synopsis of Public Hearing #1 and Acceptance of Minutes

Review of Previous Responsibilities

New Updates since Last Meeting

Dingman Township submitted the HOP permit to PennDOT on October 21, 2009.

- HOP permit not approved yet. The exact lot location depends upon HOP approval.

McLane Associates will contact and meet with PA DCNR (Tim Bulch, Tim Ladner)

- Meeting was scheduled for November 25, 2009, however, PA DCNR cancelled meeting. McLane still met Scot Boyce and analyzed potential regional connections to the State Forestland.

Karen Kleist and McLane Associates completed and submitted a grant application for funding available from the Pennsylvania Environmental Council on 10-21-09

- Grant was not awarded to the Bridge Preserve

McLane Associates needs to meet with Susan Beecher again to discuss a potential wet area crossing in the northern parcel.

- McLane met with representatives from the Conservation District on December 3, 2009 at 1:00PM: may require a lot of time and money to obtain permits to cross the wet areas.

PNDI Review

- Fish and Boat Commission cleared the site – “no direct adverse impacts to the timber rattlesnake from the proposed project”
- Meeting scheduled with the Game Commission on December 16, 2009.

Public Hearing #2

6:40 PM *Powerpoint Presentation: Agenda Sections with Key Points of Discussion*

Most in attendance already saw and commented on the presentation at the first public hearing. The presentation was only slightly adjusted and enhanced since first meeting.

Master Site Plan Process

- No comments
- The narrative report will be completed and distributed in January.

Site Introduction

- No Comments

Regional and Local Context

- Very few local parks found in area. Most areas of conserved land is owned by the State or Federal government. Dingman Township is creating a large active recreation park in addition to the passive Bridge Preserve. Milford Borough has two small parks within its limits.

Site Inventory and Analysis

- The PA Fish and Boat Commission (avoidance measure for rocky outcroppings) cleared the site after the initial PNDI hit. The Game Commission Biologist will meet on site in December.

Existing Conditions

- No comments

Concepts and Proposed Amenities

- Committee liked the hybrid kiosk/gazebo for use in the meadow area.

Question and Answer, Discussion

- *Summary of meeting with conservation district:* Because the Sawkill Creek is an EV stream an individual permit must be completed in order to construct a trail through the lowland, wet area, regardless of the trail details (rock, boardwalk). Additionally, to verify the proposed crossing is at the narrowest place, a wetland delineation would be required as well.

McLane Associates also reexamined the interior of the site and determined similar permits would be required for trail construction at these locations as well. The field work was aided by an inch of rainfall the night before, which helped identify standing water and the intermittent channel.

Because of the need for permits and a delineation, which would cost Dingman Township a lot of money, the overall trail design and trailhead placement needs to be adjusted.

- Several portions of the existing trail will be abandoned and reclaimed because they are fall lines, rutted and/or holding water. The problematic spots will be corrected following standards set forth by the International Mountain Bicycling Association and be a natural mineral surface.

8:00 PM *Meeting wrap-up and New Assigned Responsibilities*

- McLane will redesign the trail system on the concept map.
- McLane will finalize the draft narrative and distribute before next meeting in January.
- McLane Associates will meet with Karen Kliet to complete the cost estimate and the operating and maintenance budget.
- The exact parking lot location still depends upon HOP approval – McLane will contact PennDOT.

The above accounting of the December 3rd public hearing is the recollection of Paul Bechtel and Julie Forbes (Dingman Township, Recording Secretary) as recorded in their meeting notes. Please correct or clarify any misstatements, representations or omissions to these minutes prior to committee acceptance.

Corrections and Additions:

Ken Rosanelli: I believe the minutes should also reflect the comment by Phyllis and me regarding notification of the adjoining land owners directly, relative to this project. I also voiced a concern about the gazebo becoming a hangout" and being used after hours at the size presently being recommended.

In response to Ken's comments about notifying neighbors, Julie informed the committee that all joint meetings and public hearings had been advertised and those advertisements met the obligations for the master site plan.

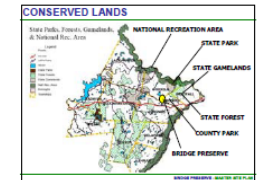
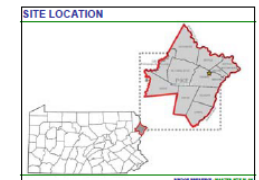
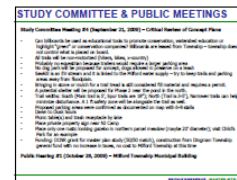
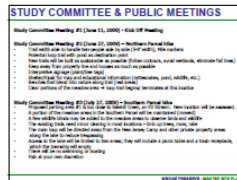
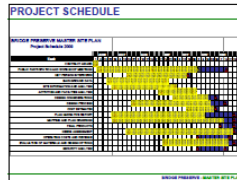
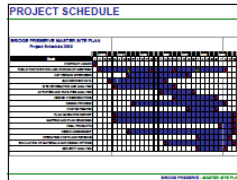
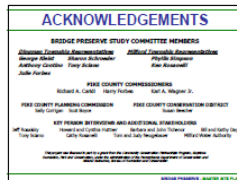
Respectfully Submitted: Paul Bechtel
December 4, 2009 (adjusted January 8, 2010)

Public Hearing #2 Sign-in Sheet

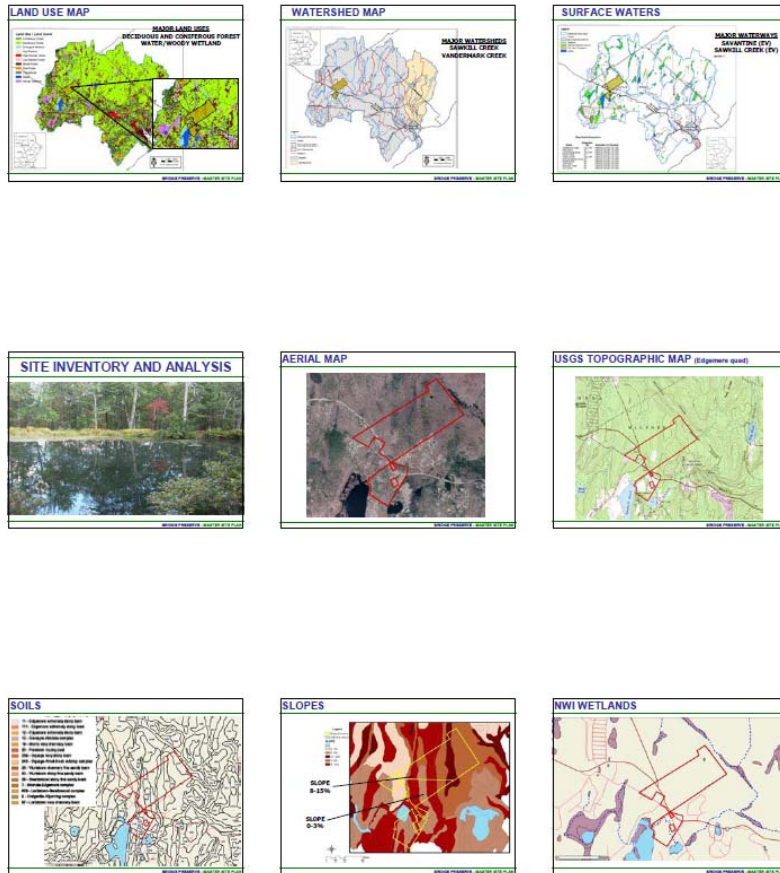
BRIDGE PRESERVE MASTER SITE PLAN PUBLIC HEARING #2 – DECEMBER 3, 2009

Ken Rosanelli (Milford Rep.)	P.O. Box 1265, Milford	570-296-7211	kcrosa@ptd.net
NAME	ADDRESS	PHONE	EMAIL
Phyllis Simpson (Milford Rep.)	109 Westwood Ct., Milford	570-296-2880	psimpson@ptd.net
NAME	ADDRESS	PHONE	EMAIL
George Kleist (Dingman Rep.)	Dingman Township		kleist@ptd.net
NAME	ADDRESS	PHONE	EMAIL
Julie Forbes (Recording Secretary)	Dingman Township		julie@dingmantownship.info
NAME	ADDRESS	PHONE	EMAIL
Cathy Rosanelli	P.O. Box 1265	570-296-7211	
NAME	ADDRESS	PHONE	EMAIL
NAME	ADDRESS	PHONE	EMAIL
NAME	ADDRESS	PHONE	EMAIL
NAME	ADDRESS	PHONE	EMAIL

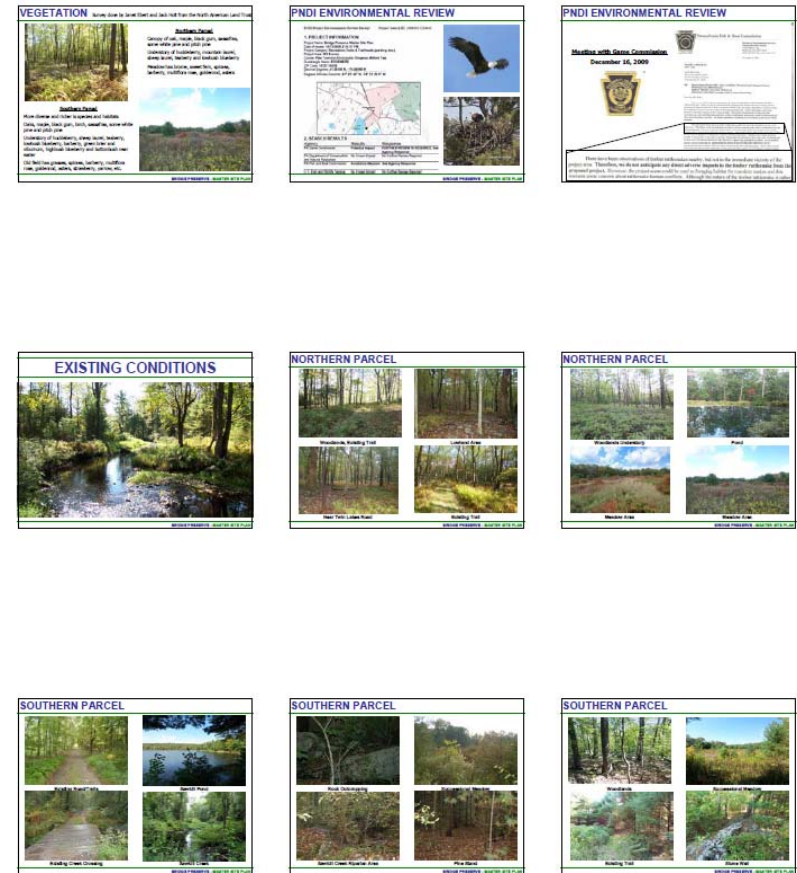
Public Hearing #2 Power Point Presentation



Public Hearing #2 Power Point Presentation Cont.



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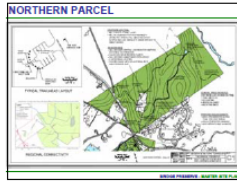
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Public Hearing #2 Power Point Presentation Cont.

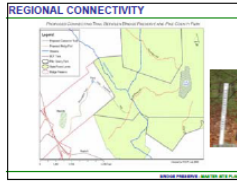
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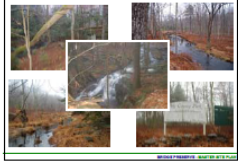
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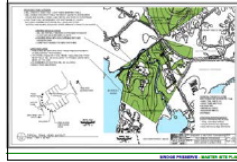
REGIONAL CONNECTIVITY



REGIONAL CONNECTIVITY



SOUTHERN PARCEL



WALKING TRAIL WITH LOG BENCHES



PATH WITH BENCHES AND TREE ID TAGS



WOODLAND TRAIL



POND ECOLOGY SIGN

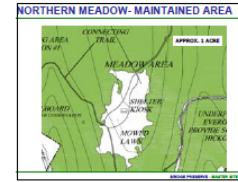


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NORTHERN MEADOW



NORTHERN MEADOW-MAINTAINED AREA



NORTHERN MEADOW-MAINTAINED OPTION 1



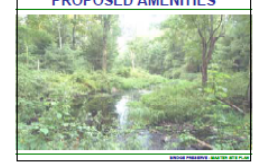
NORTHERN MEADOW-MAINTAINED OPTION 2



NORTHERN MEADOW-MAINTAINED OPTION 3



PROPOSED AMENITIES



TYPICAL TRAILHEAD



TRAILHEAD LOCATION - NORTHERN

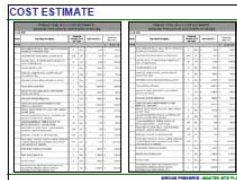
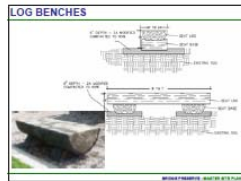


TRAILHEAD LOCATION - SOUTHERN



6

Public Hearing #2 Power Point Presentation Cont.



APPENDIX F

LETTERS OF SUPPORT



PIKE COUNTY OFFICE OF
COMMUNITY PLANNING

February 23, 2010

Attn: Mr. Paul Bechtel
McLane Associates

Re: Bridge Preserve Master Site Plan
Milford and Dingman Township

Dear Mr. Bechtel

The Pike County Planning Commission and the Pike County Office of Community Planning fully support the Master Site Plan for the Bridge Preserve in Milford and Dingman Townships. The Bridge Preserve Master Site Plan falls in line with the goals and focus of the Pike County Open Space, Greenways, and Recreation Plan (2008). The Master Site Plan will provide the proper planning and guidance for the development of the Bridge Preserve to ensure that all users will enjoy the land while, at the same time, providing for the conservation goals set forth by the conservation easement existing on the land. The Master Site Plan encourages partnerships, regional planning, recreation, and land conservation.

Sincerely,

A handwritten signature in blue ink, appearing to read "Scot Boyce Jr.", written over a horizontal line.

Scot Boyce Jr.
Community and Natural Resource Planner

837 Route 6, Unit 4 • Shohola, PA 18458
Phone (570) 296-3500 Fax (570) 296-3501

PA DCNR Bureau of Forestry

Milford Township Supervisors

APPENDIX G

MASTER SITE PLAN MAPS

(These 8.5" x 14" versions are Not To Scale)

