MILLTOWN DAM PARK & OPEN SPACE MASTER PLAN

East Goshen, Chester County Pennsylvania

PUBLIC MEETING #2:
Concept Review

Wednesday 1.25.2017, 7-8:30 PM
East Goshen Township Building
1580 Paoli Pike West Chester, PA

Simone Collins Landscape Architecture
Princeton Hydro

MEETING AGENDA

Agenda Items:

7:00 – 7:10	Committee Business / Introductions
7:10 – 7:45	Presentation (Please hold questions until end)

1. Review Public Feedback
2. Review Project Goals
    - World Class Design
    - Sustainable Sites Initiatives
3. Concept Review
    - Concept Elements
        - Pond
        - Low Mow / No Mow Lawn
        - Riparian Buffer
        - Meadow
        - Wetlands

7:45 – 8:15	Discussion / Feedback
8:15 – 8:20	Vote for <u>two</u> favorite concepts
8:20 – 8:30	Next Steps / Finish Presentation
8:30 – 9:00	Informal Discussion

INTRODUCTIONS

Simone Collins Landscape Architecture

Peter M. Simone, FASLA, RLA
Project Principle

Sarah Leeper, RLA
Project Manager

Melisa Barley, Landscape Architect
Project LA

Princeton Hydro

Geoffrey M. Goll P.E.
Civil Engineer – expertise in dam removal for dam safety compliance, fish migration, floodplain reconnection, and habitat restoration.

PROJECT SCHEDULE

Meeting	Date & Time	Meeting Subject
Milltown Committee Meeting #1	Nov 2, 7:00 pm	Project Introduction / Brainstorming
Milltown Public Meeting #1	Dec 14, 7:00 pm Dec 15, 7:00 pm	Project Introduction / Brainstorming
Milltown Committee Meeting #2	Jan 11, 7:00 pm	Site Concepts
Milltown Public Meeting #2	Jan 25, 7:00 pm	Site Concepts
Milltown Committee Meeting #3	Feb 21, 7:00 pm	Draft Plan Review
Milltown Public Meeting #3	Mar 22, 7:00 pm	Draft Plan Presentation - 60 day review
Milltown Committee Meeting #4	May 23, 7:00 pm	Final Plan Review
Milltown Public Meeting #4	Jun 20, 7:00 pm	Final Plan Presentation

PUBLIC FEEDBACK

Public Brainstorming

GOALS:
- Open and transparent design process
- Protect and Preserve Privacy
- Foster ecological sustainability
- Create low maintenance landscape

FACTS:
- Property
- Privacy
- Turtles
- Unobstructed peaceful large water view
- Insect Issues with wetland?

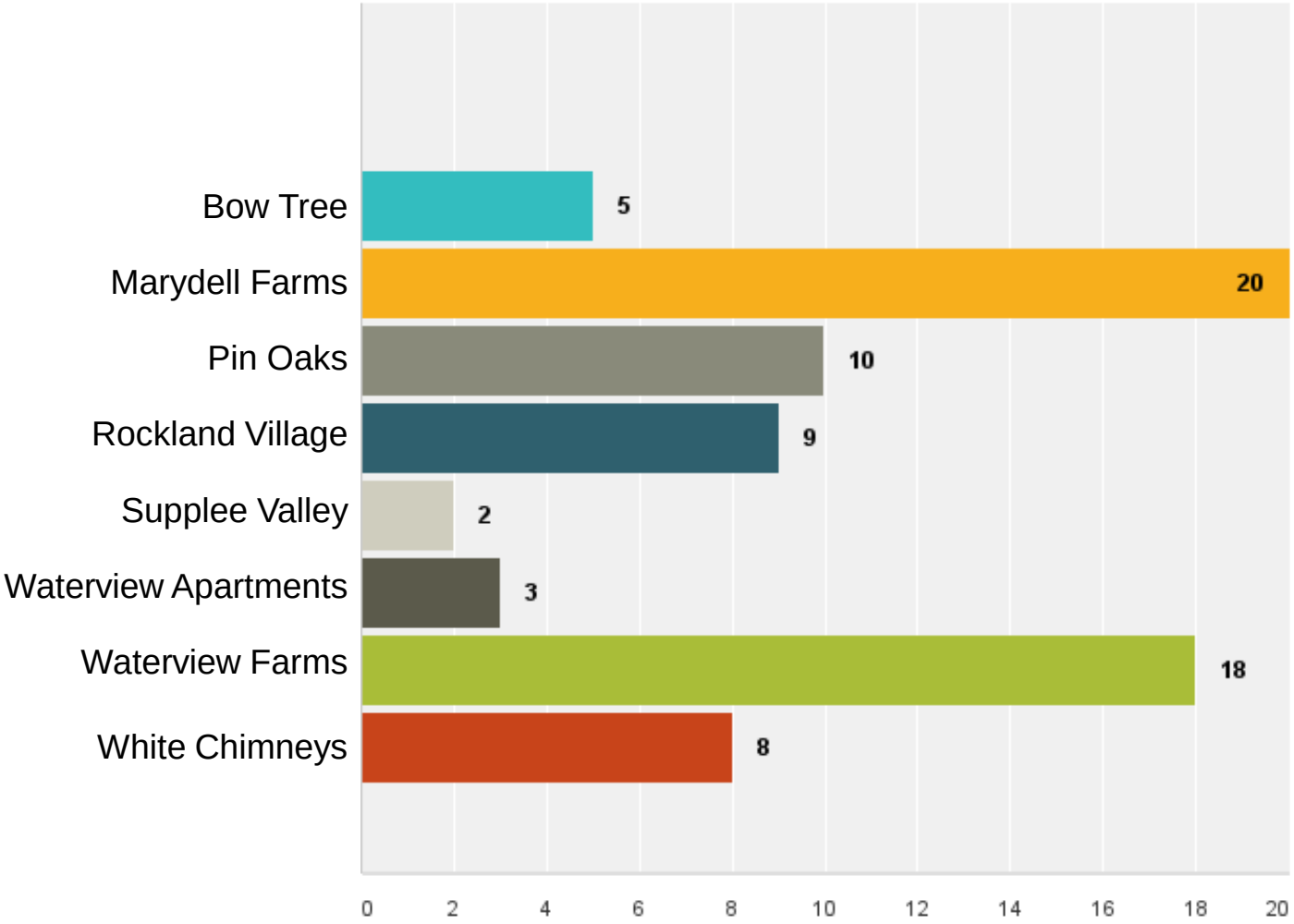
What Are We Losing?
- Wildlife
- Bald eagle
- Long views
- Fishing
- Hockey
- Ice skating
- Open water
- Joy

CONCEPTS:
- Scenic views from the road
- Water access
- Ice skating
- Fishing
- Buffer planting (Lochwood Lane)
- Open lawn
- World class facility
- Pond(s)
- Options for mowing
- Willow planting
- review DVRPC plan
- Wetland fore-bay
- Pond maintenance access
- Fencing
- 2 acre wetlands
- *Maximize water*
- Walking paths
- Natural stream banks
- Fish habitat
- Homeless
- Route 3 to Strasburg Road bike way
- Trash and litter concern
- Nuisance in park concern
- No trails
- No fencing
- Cross walks
- Mow near creek
- Please don't litter sign
- Bike trails
- Sidewalk from Strasburg Road to Lochwood Lane
- Use spoils to form trail bench
- Review Comprehensive plan requirements
- Money/ budget
- Keep trail to west
- Walking bridge on south at Strasburg Road
- Use existing bridge

PUBLIC FEEDBACK

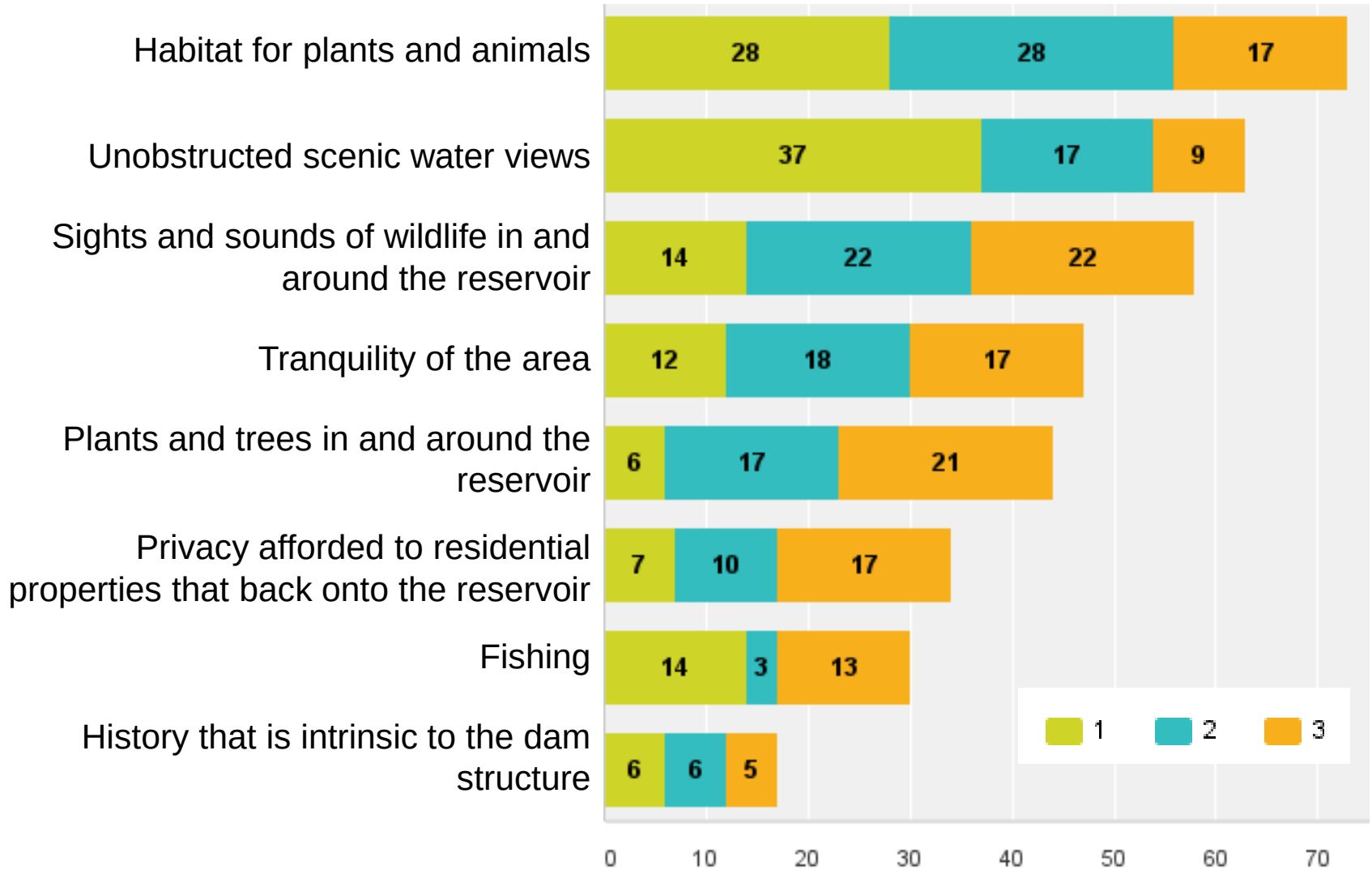
Public Survey #1

128 Respondents



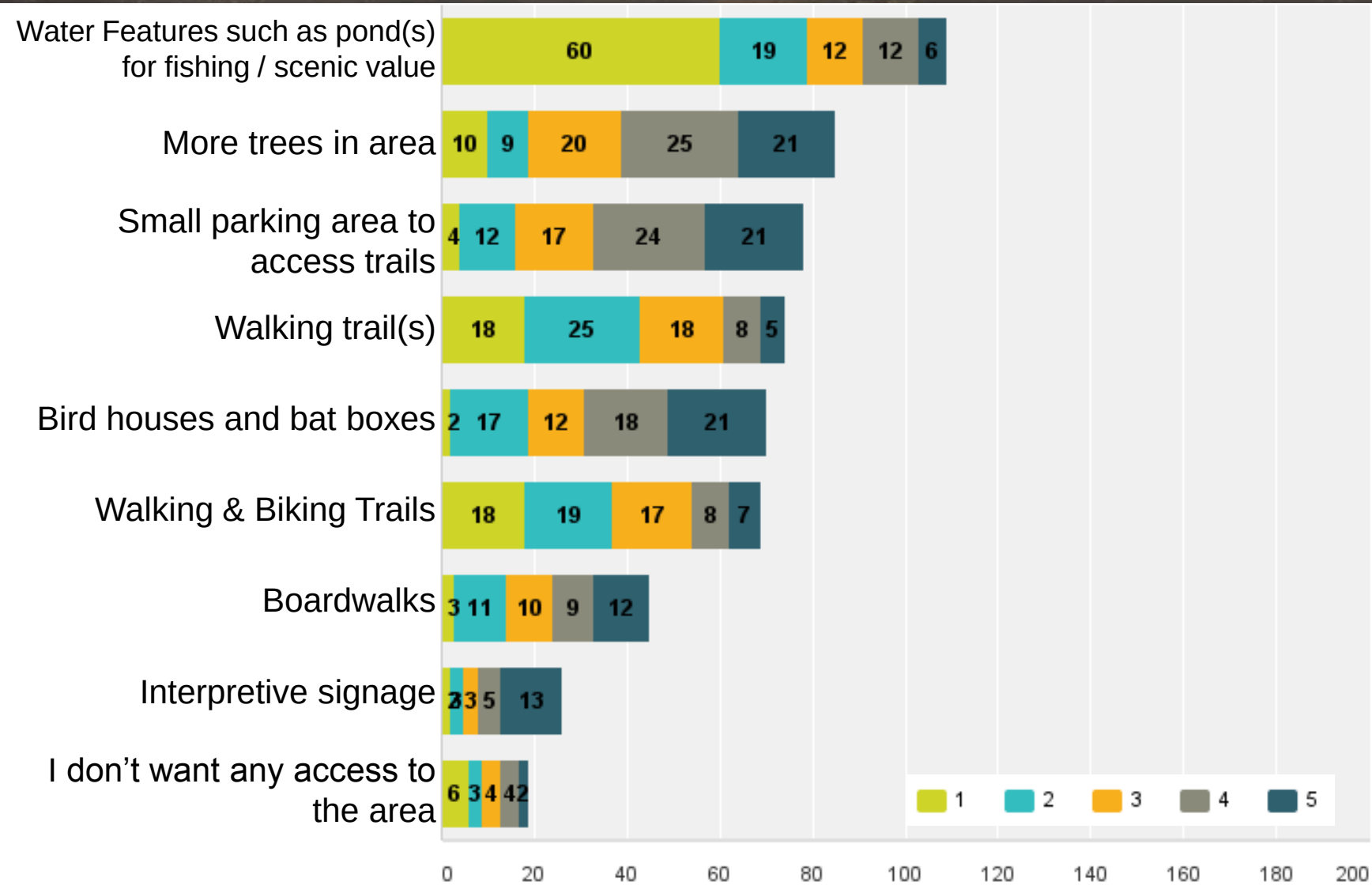
PUBLIC FEEDBACK

Q9: With regards to the existing Milltown Dam site, what are the 3 (three) most important aesthetic or cultural resources (1 being the most important, and 3 being the least important)?

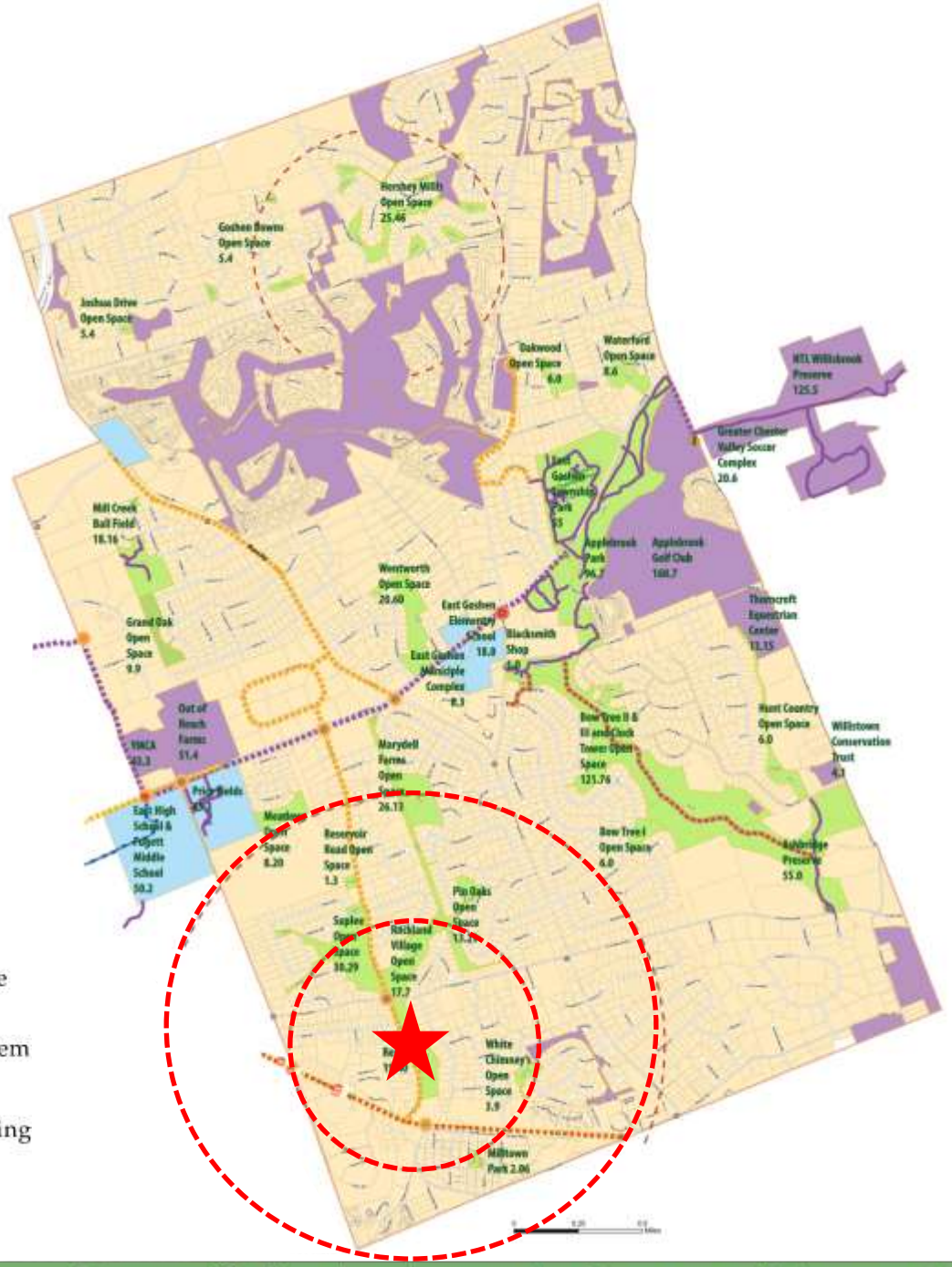


PUBLIC FEEDBACK

Q10: After the Milltown Dam has been partially breached, what improvements you would like to see at the Milltown Dam site, please rank the top 5 (five) with 1 being the most important and 5 being the least important.



Open Space Plan & Central Chester Trail Plan



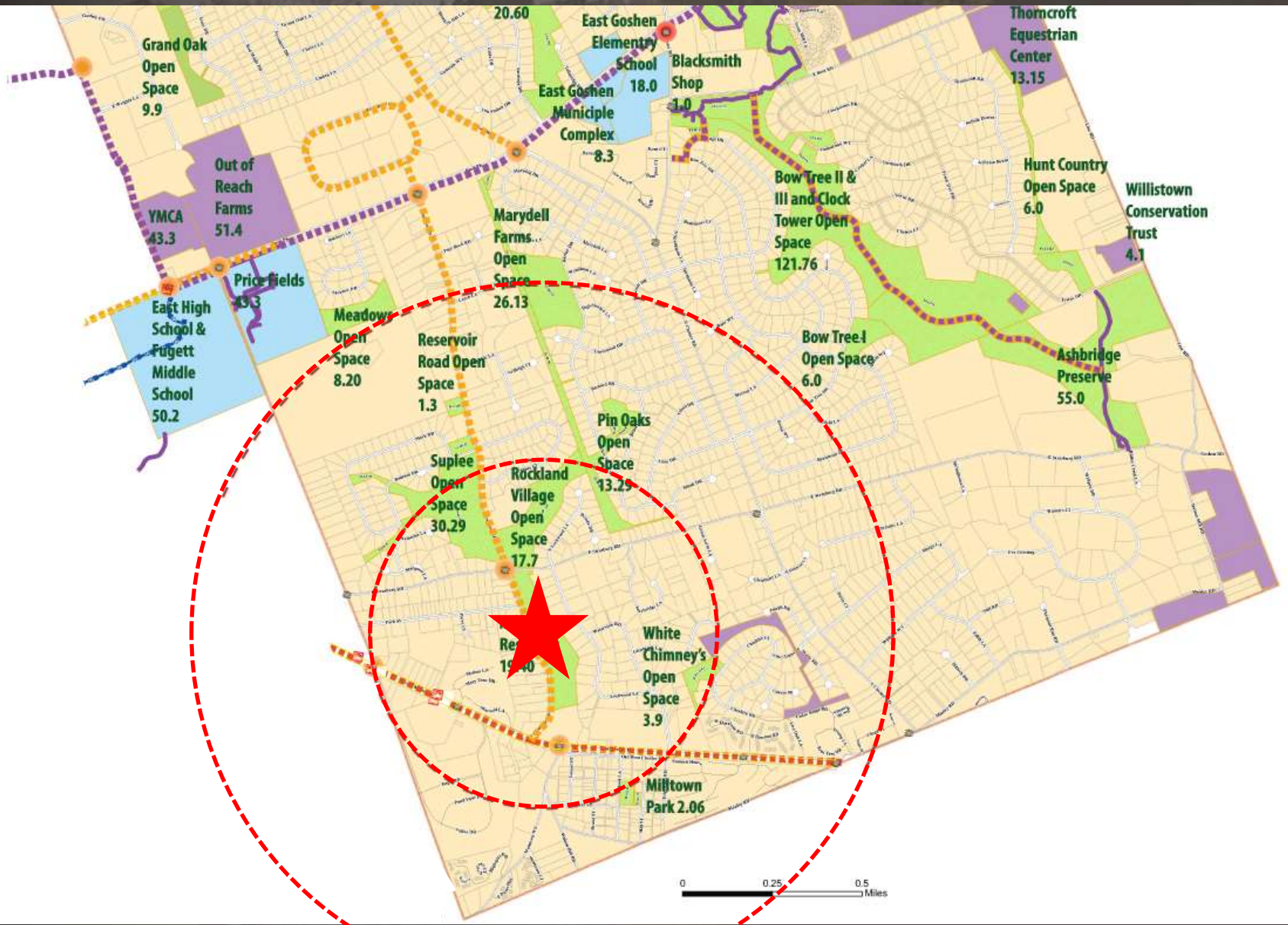
Existing Features

- Existing Trails
- PA Bike Route L
- Existing Trailhead
- Existing Trail Parking
- Growth Centers
- Intermodal Stop
- East Goshen Open Space
- HOA / Private Recreation
- Schools

Proposed Features

- Bike Lane
- Shared Roadway
- Multi-Use Trails
- Restricted-Use Trails
- Bicycle Boulevard
- Signed Bike Route
- Priority Corridors
- Bike Rack
- Trail Parking
- Traffic Calming Table
- Bike Signage Improvem
- At Grade Trail Crossing
- Signalized Crossing

Open Space Plan & Central Chester Trail Plan



PROJECT GOALS

Expand, revise & add new goals throughout the public participation.

- Engage in an open and transparent exchange of ideas where all ideas are considered and where everyone's voice can be heard throughout the design process.
- Foster ecological sustainability through plant and animal diversity and by employing best practices in landscape and park design.
- Protect and preserve the privacy of adjacent and nearby residences through proper setbacks, screening and other techniques.
- Create landscapes that are low maintenance and that will create new cultural landscape values in each surrounding neighborhood.
- Develop realistic completion time fames for project benchmarks
- Maximize open water views.
- Create a world class passive recreation amenity.

What is a world class landscape?

Olympic Park – London, UK

What is a world class landscape?

Millennium Park – Chicago, IL

What is a world class landscape?

Riverfront Park - Louisville, KY

What is a world class landscape?

High Line - New York City, NY

What is a world class landscape?

Emerald Necklace - Boston MA

What is a world class landscape?

Upper Lea Valley - East London, UK

What is a world class landscape?

Stroud Preserve - Chester County, PA

What is a world class landscape?

Brandywine Country - N.C. Wyeth,1930

PROJECT GOALS

What is a world class landscape?

Creating beautiful and healthy landscapes:

- Respect environments and their natural processes
- There are many standards for beautiful
- Balance Science with Art
- Strive for diversity
- Design for today and the future
- Build on opportunities to educate
- Limit inputs i.e. fertilizer, maintenance, etc.

PROJECT GOALS

What are the standards for defining beautiful and healthy landscapes?

PROJECT GOALS

The Sustainable Sites Initiative (SITES)

The SITES program was developed through a collaborative, interdisciplinary effort of the American Society of Landscape Architects, The Lady Bird Johnson Wildflower Center at The University of Texas at Austin, and the United States Botanic Garden. SITES promotes sustainable land development and management practices for both sites with and without buildings.

SITES GUIDING PRINCIPLES

- Do no harm.
- Apply the precautionary principle.
- Design with nature and culture.
- Use a decision-making hierarchy of preservation, conservation, and regeneration.
- Provide regenerative systems as intergenerational equity.
- Support a living process.
- Use a systems thinking approach.
- Use a collaborative and ethical approach.
- Maintain integrity in leadership and research.
- Foster environmental stewardship

THE Sustainable SITES Initiative®

PROJECT GOALS

The Sustainable Sites Initiative (SITES)

RATING BASIS

1. Site Context
2. Pre-Design Assessment + Planning
3. Site Design—Water
4. Site Design—Soil + Vegetation
5. Site Design—Materials Selection
6. Site Design—Human Health + Well-Being
7. Construction
8. Operations + Maintenance
9. Education + Performance Monitoring
10. Innovation or Exemplary Performance

THE Sustainable SITES Initiative®

PROJECT GOALS

SITES Certified Landscape

Meadow Lake / Morton Arboretum - Lisle, IL

PROJECT GOALS

SITES Certified Landscape

Shoemaker Green - University of Penn, Philadelphia PA

PROJECT GOALS

SITES Certified Landscape

Hunts Point Landing - Bronx, New York

PROJECT GOALS

SITES Certified Landscape

Evans Parkway Neighborhood Park - Silver Spring, MD

PROJECT GOALS

SITES Certified Landscape

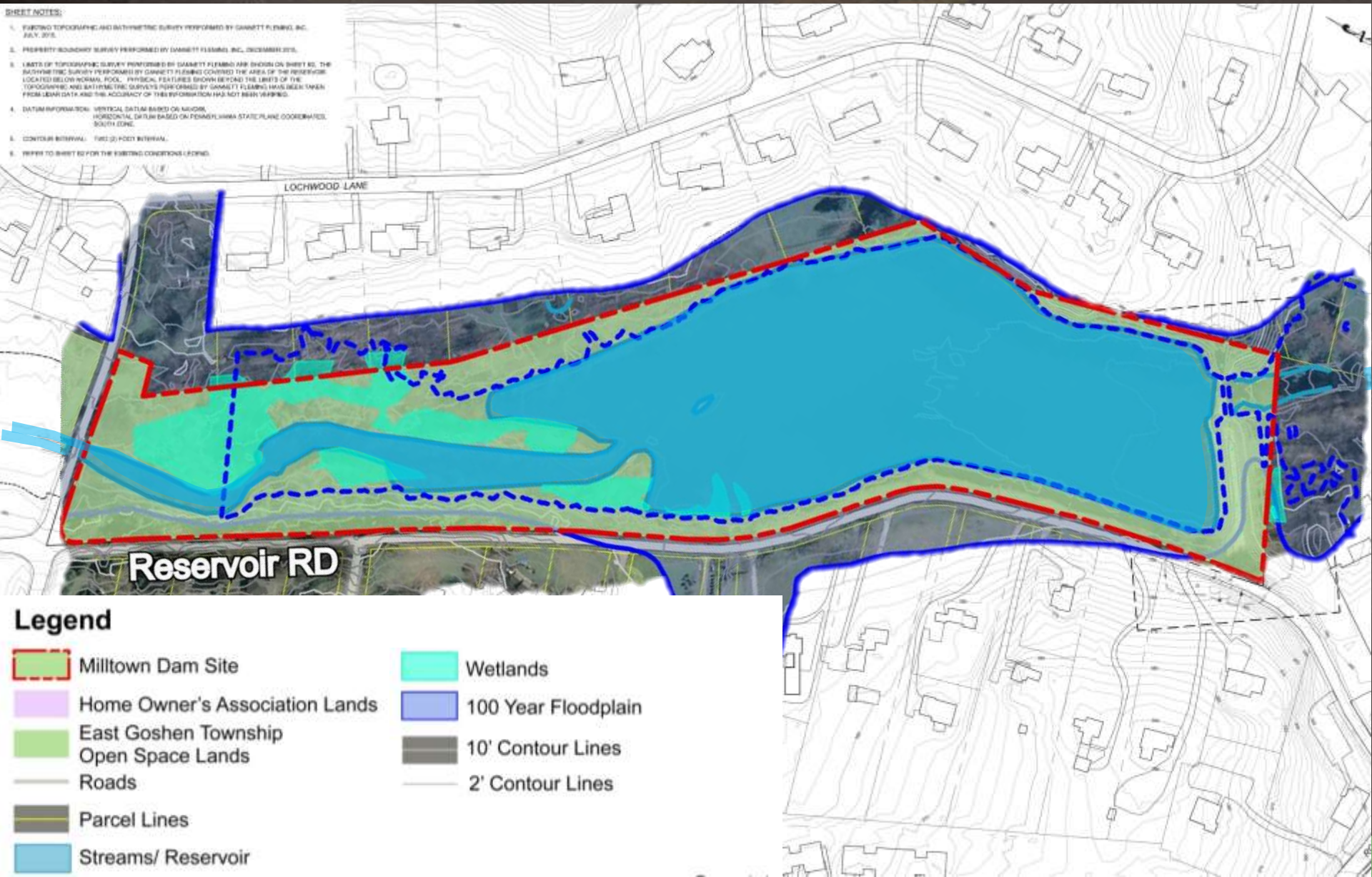
Scenic Hudson's Long Dock Park – Beacon NY

PROJECT GOALS

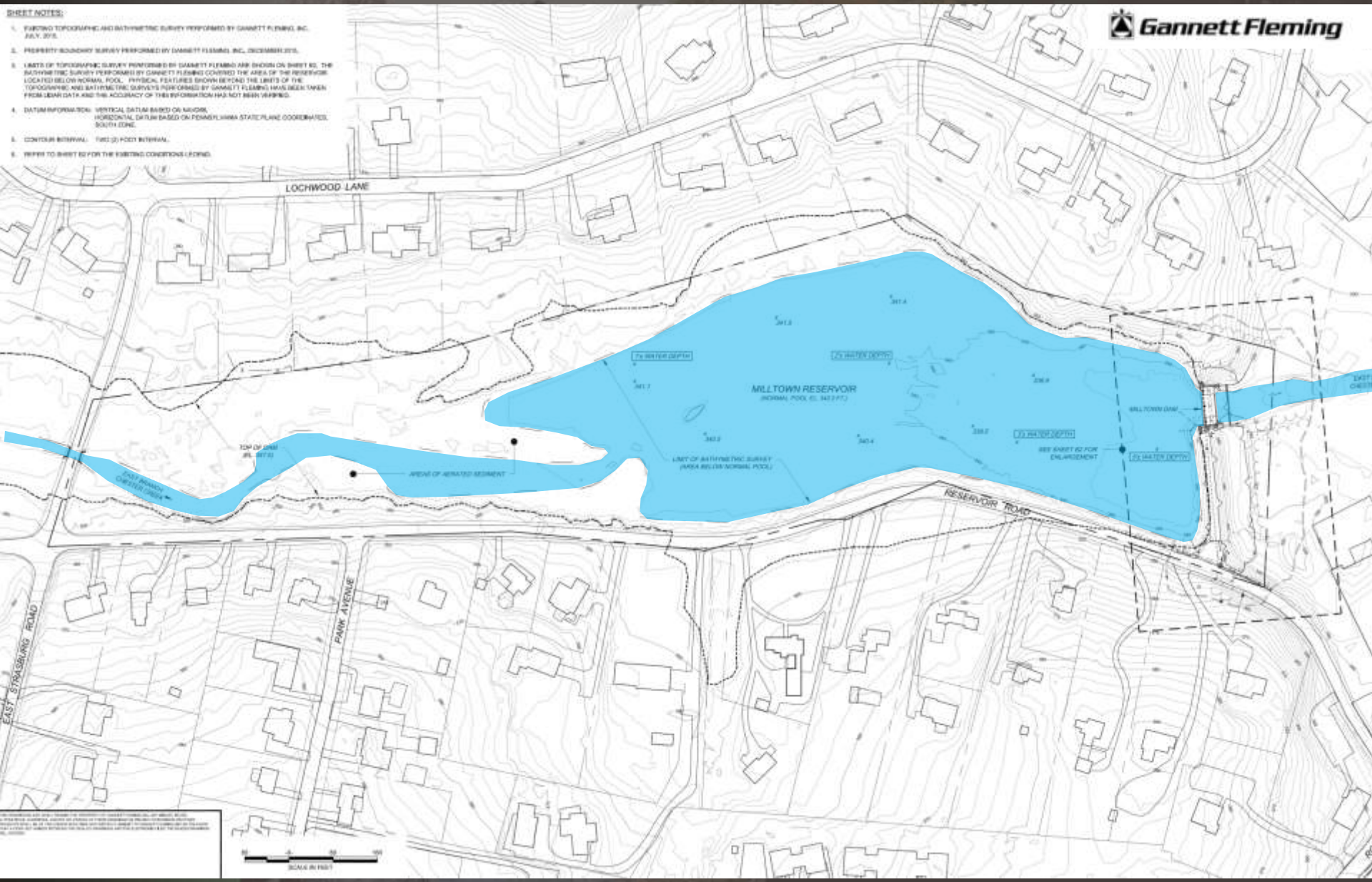
SITES Certified Landscape

Horseshoe Farm Nature Preserve - Raleigh, NC

Existing Conditions Plan

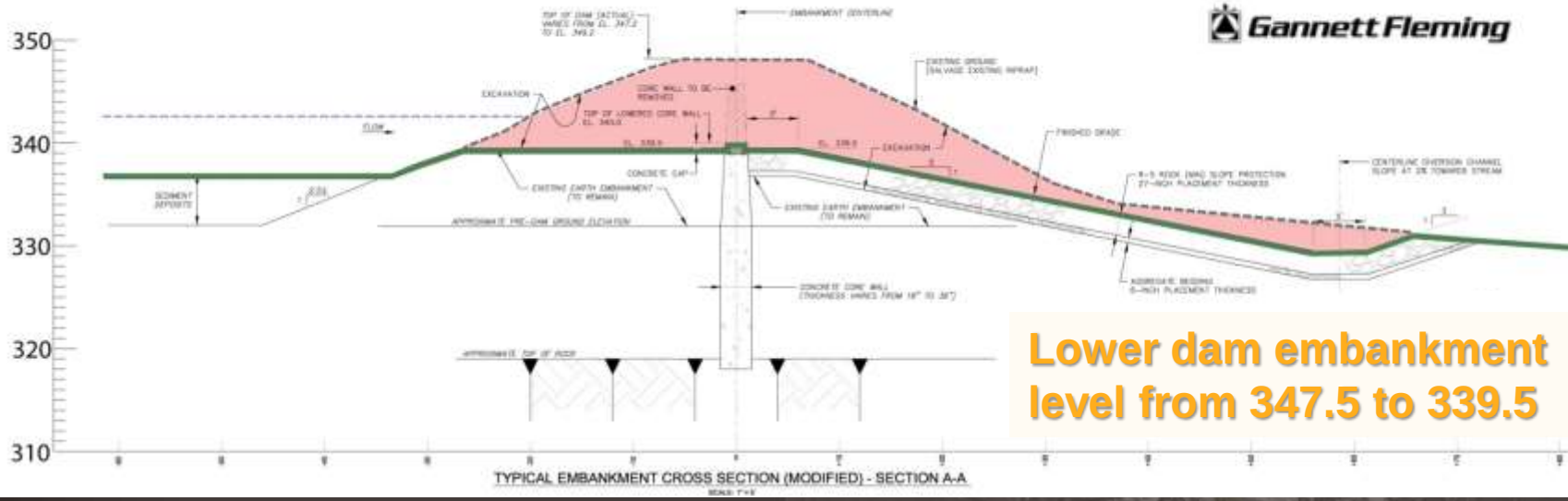


Existing Water Coverage of Reservoir



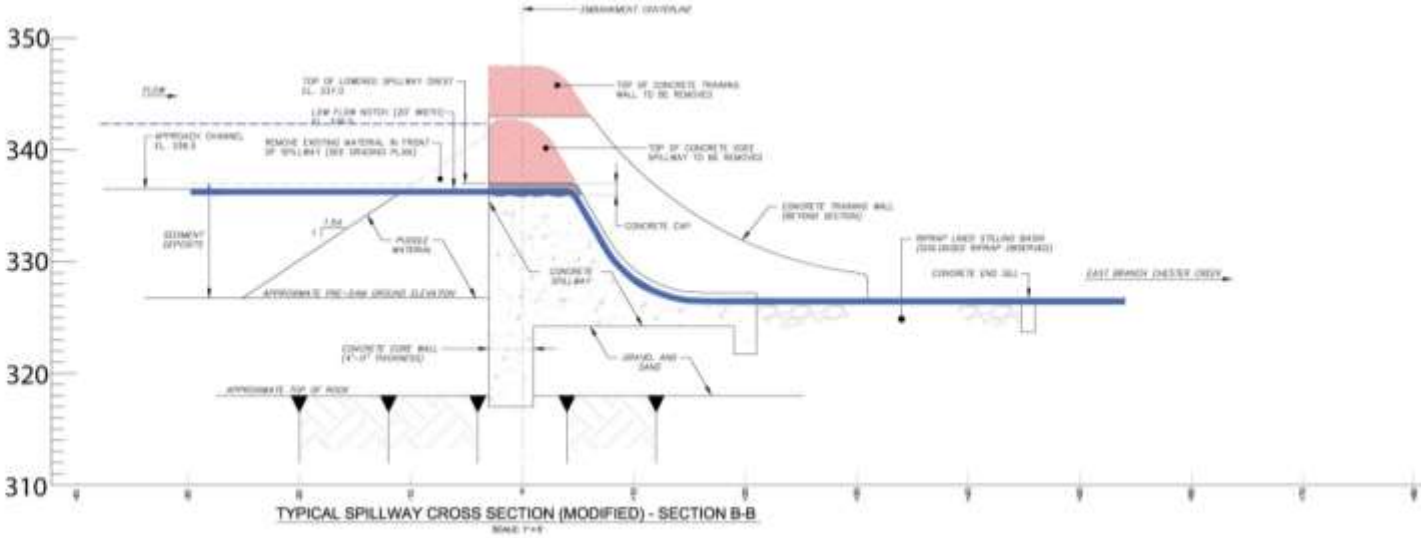
Partial Dam Breach Concept

PRELIMINARY PLANS

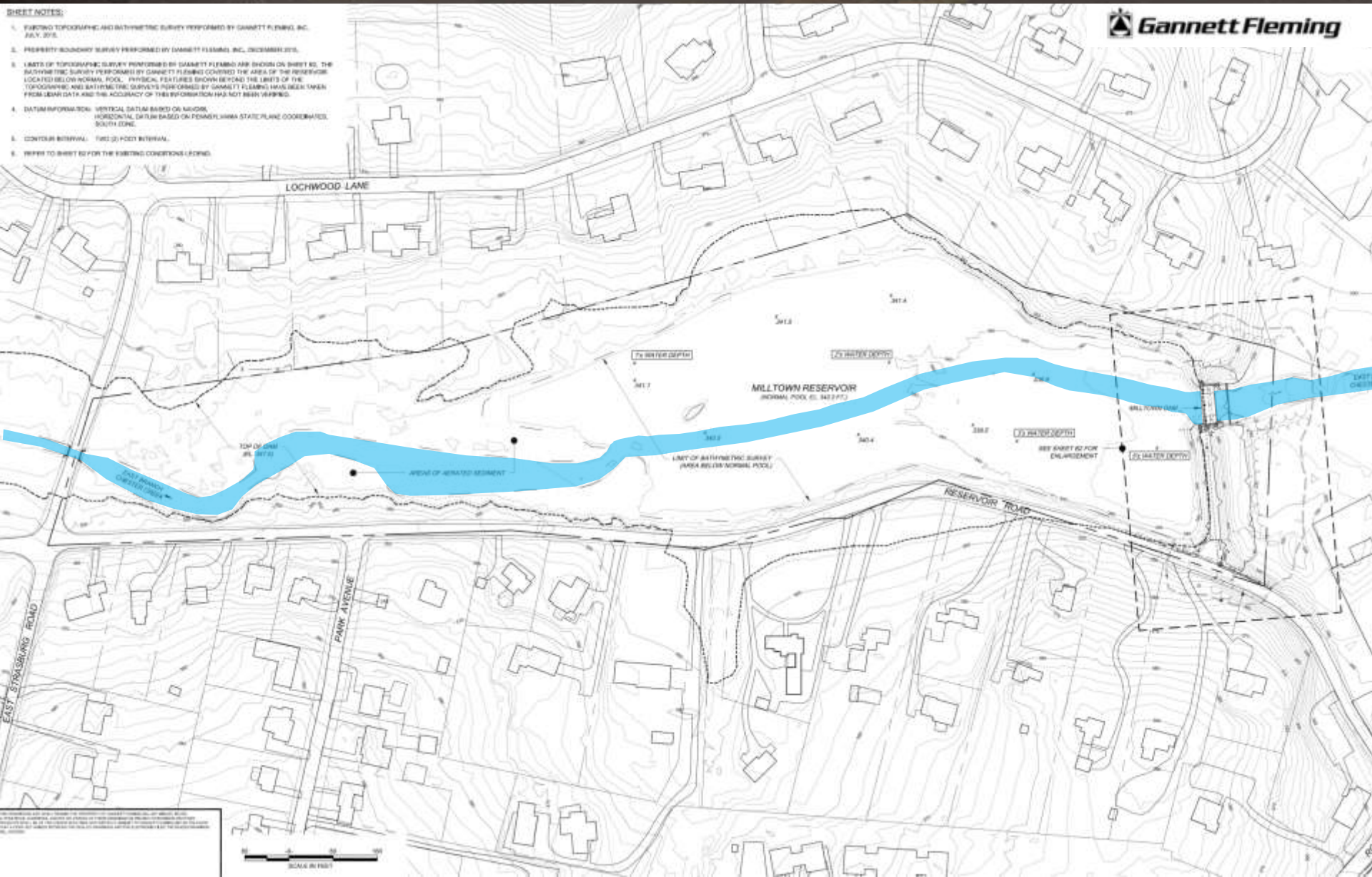


Lower dam embankment level from 347.5 to 339.5

Lower spillway level from 342.2 to 337.0 with a low flow notch of 336.5

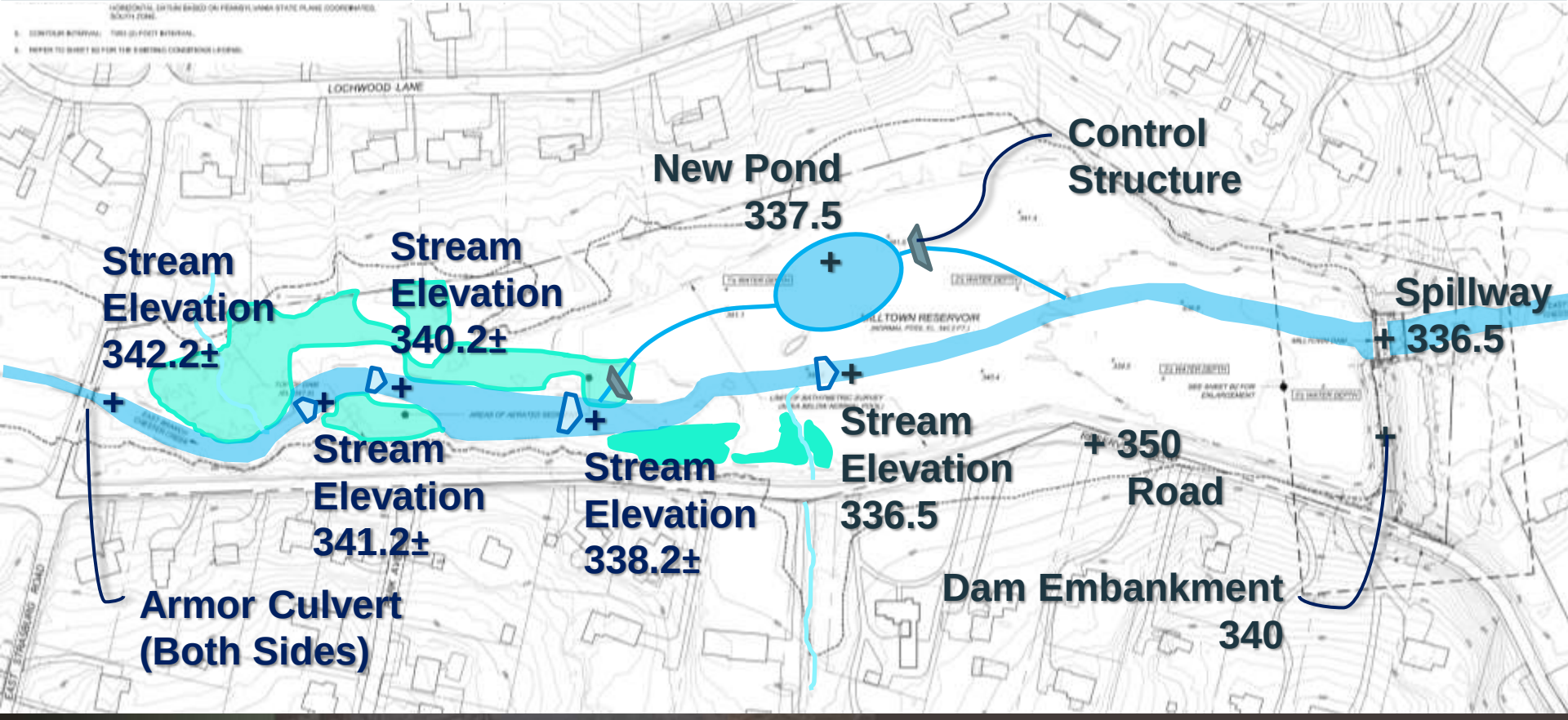


Partial Dam Breach Concept – Stream Condition After

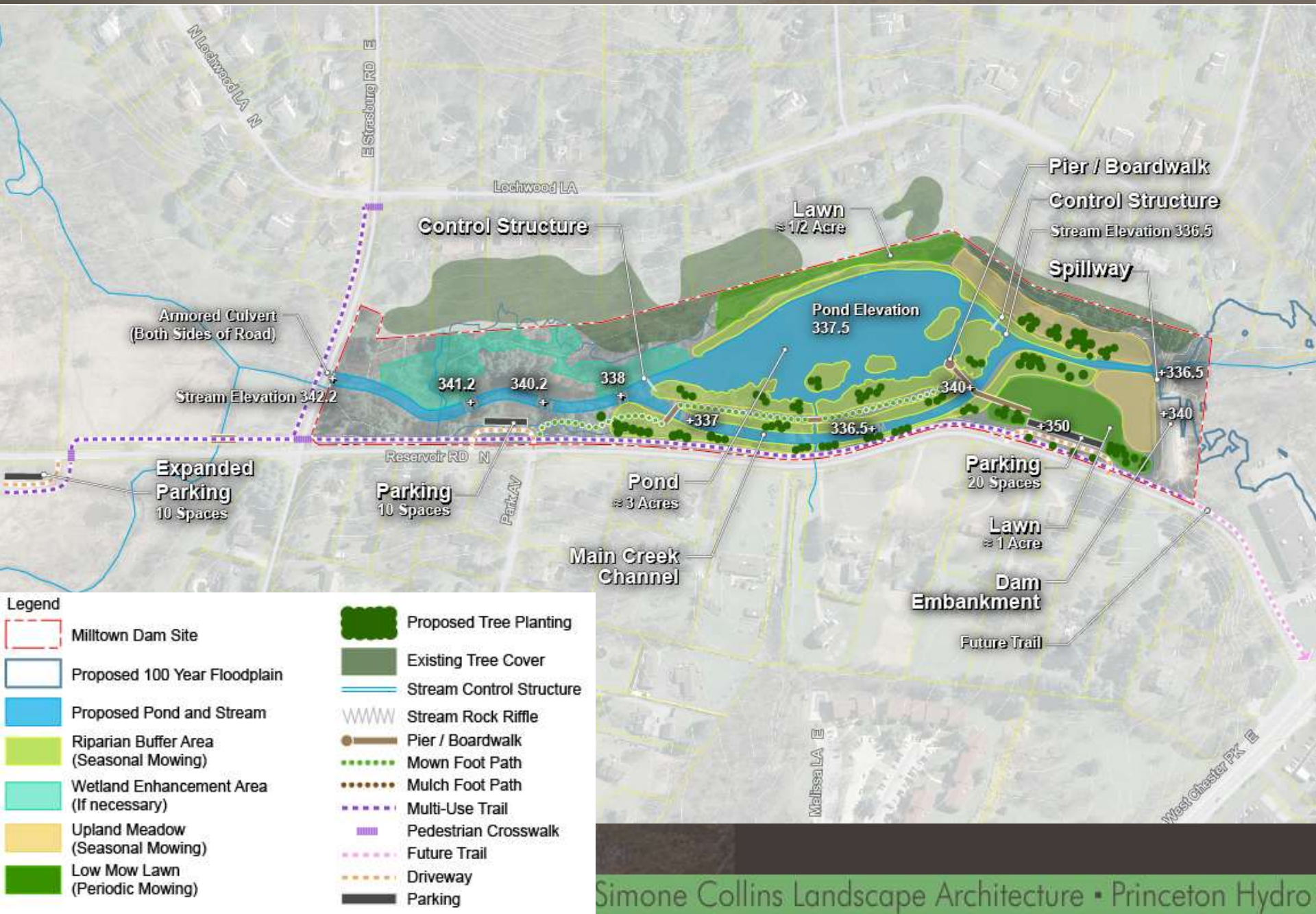


Concept Bubble Plan

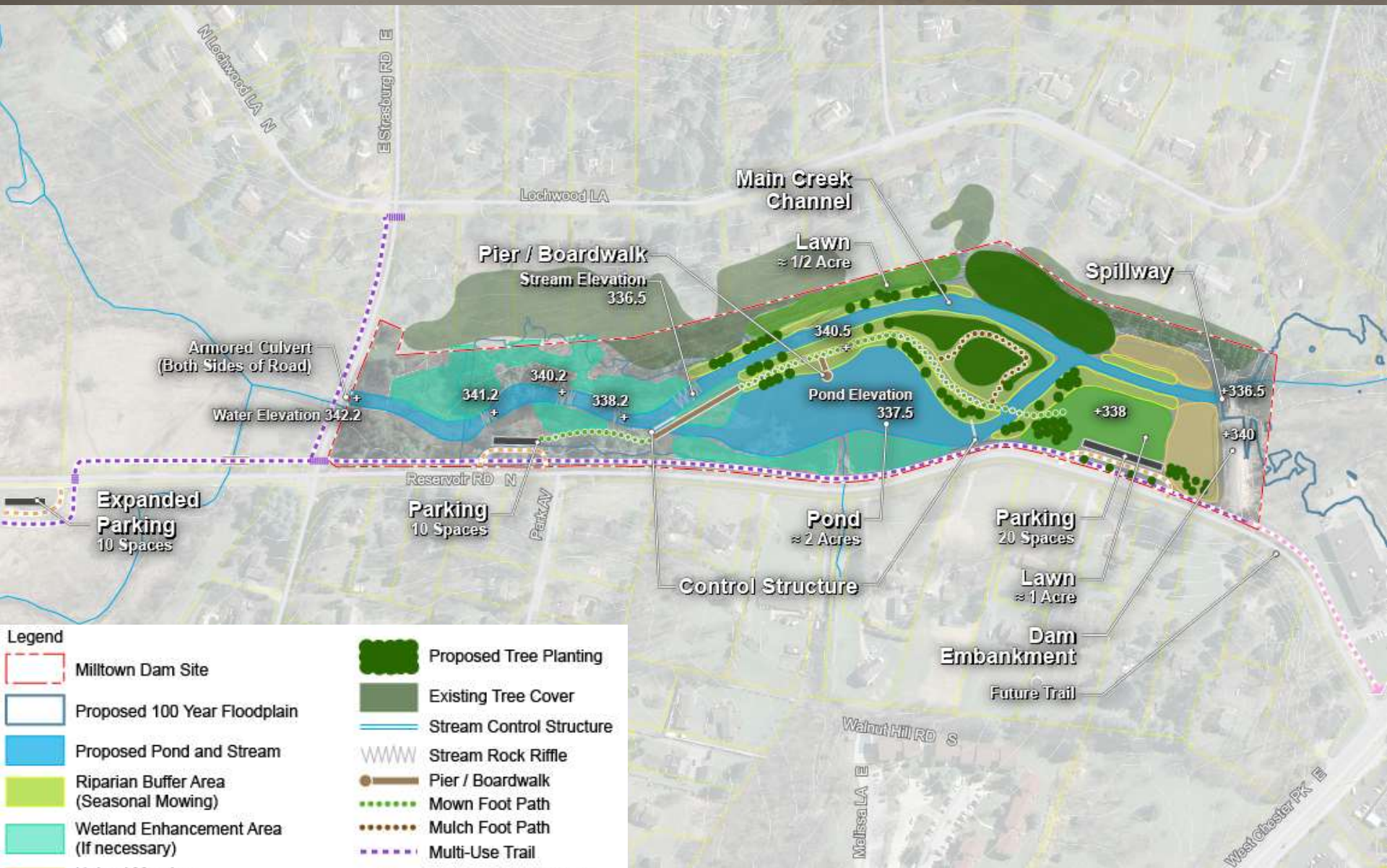
	Existing Elevation	New Elevation	Change in Elevation
Dam Spillway	342.2	336.5	5.7 ft
Dam Embankment	347.5	340	7.5 ft
Stream at Dam	342.2	336.5	5.7 ft
Stream at Strasburg Road	342.2	342.2	0 ft
Existing Wetlands	342.2 to 344	342.2 to 344	0 ft



Concept 1


N Lockwood LA N
E Strasburg RD E
Lochwood LA
Control Structure
Lawn
≈ 1/2 Acre
Pier / Boardwalk
Control Structure
Stream Elevation 336.5
Spillway
Armored Culvert
(Both Sides of Road)
Pond Elevation
337.5
Stream Elevation 342.2
341.2
340.2
338
340+
+336.5
+340
+337
336.5+
+350
Reservoir RD N
Park Av
Expanded
Parking
10 Spaces
Parking
10 Spaces
Pond
≈ 3 Acres
Parking
20 Spaces
Lawn
≈ 1 Acre
Main Creek
Channel
Dam
Embankment
Future Trail
Melissa LA E
West Chester Pk E
Legend
Milltown Dam Site
Proposed 100 Year Floodplain
Proposed Pond and Stream
Riparian Buffer Area
(Seasonal Mowing)
Wetland Enhancement Area
(If necessary)
Upland Meadow
(Seasonal Mowing)
Low Mow Lawn
(Periodic Mowing)
Proposed Tree Planting
Existing Tree Cover
Stream Control Structure
Stream Rock Riffle
Pier / Boardwalk
Mown Foot Path
Mulch Foot Path
Multi-Use Trail
Pedestrian Crosswalk
Future Trail
Driveway
Parking

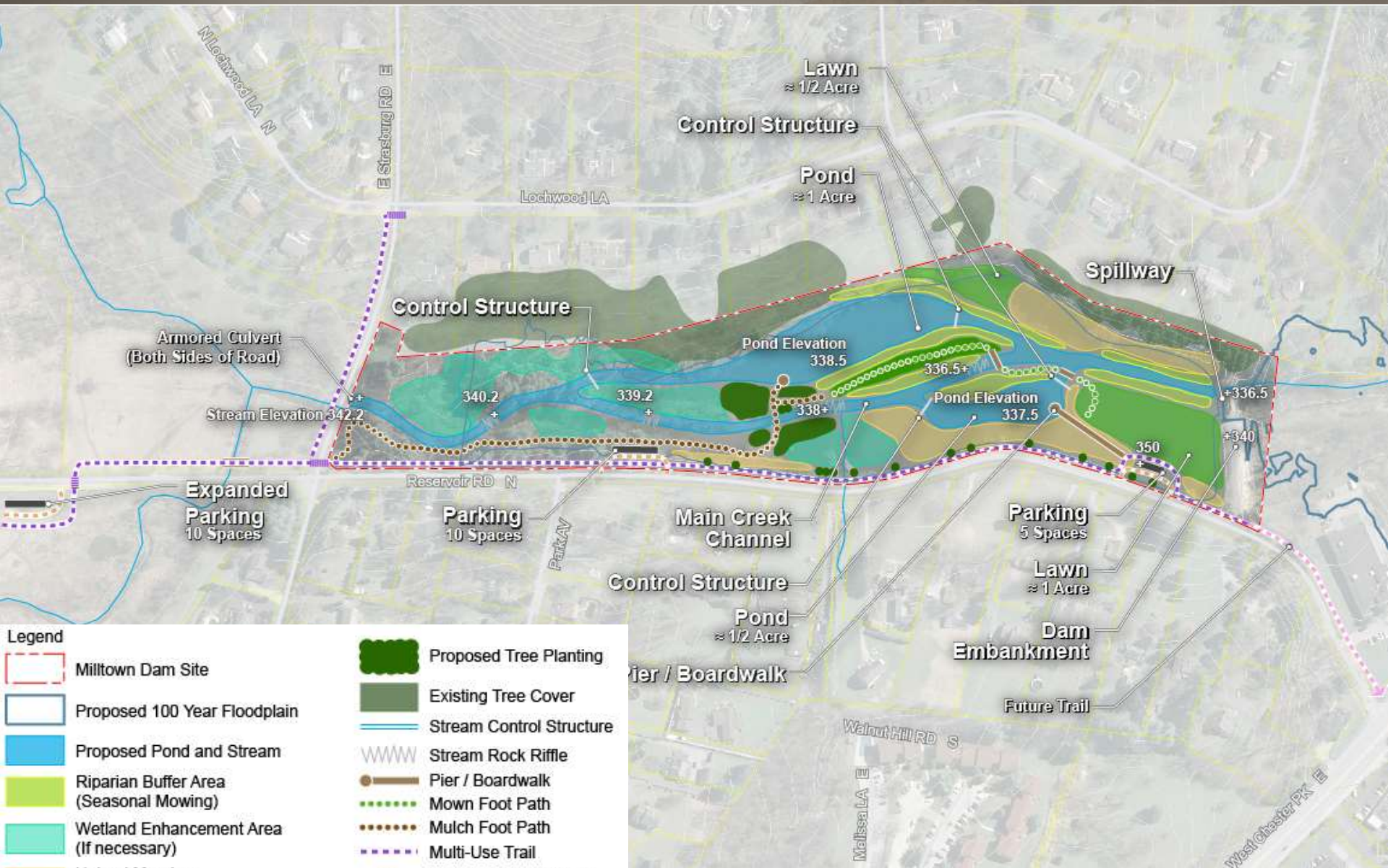
Concept 2



Legend

- Milltown Dam Site
- Proposed 100 Year Floodplain
- Proposed Pond and Stream
- Riparian Buffer Area (Seasonal Mowing)
- Wetland Enhancement Area (If necessary)
- Upland Meadow (Seasonal Mowing)
- Low Mow Lawn (Periodic Mowing)
- Proposed Tree Planting
- Existing Tree Cover
- Stream Control Structure
- Stream Rock Riffle
- Pier / Boardwalk
- Mown Foot Path
- Mulch Foot Path
- Multi-Use Trail
- Pedestrian Crosswalk
- Future Trail
- Driveway
- Parking

Concept 3


Lawn
≈ 1/2 Acre
Control Structure
Pond
≈ 1 Acre
Spillway
Control Structure
Armored Culvert
(Both Sides of Road)
Pond Elevation
338.5
336.5+
340.2
339.2
338+
Pond Elevation
337.5
+336.5
+340
350
Stream Elevation 342.2
Expanded
Parking
10 Spaces
Parking
10 Spaces
Main Creek
Channel
Parking
5 Spaces
Control Structure
Lawn
≈ 1 Acre
Pond
≈ 1/2 Acre
Dam
Embankment
Future Trail
Lochwood LA
Reservoir RD N
Park Av
Walnut Hill RD S
Melissa LA E
West Chester PK E
Legend
Milltown Dam Site
Proposed 100 Year Floodplain
Proposed Pond and Stream
Riparian Buffer Area
(Seasonal Mowing)
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Proposed Tree Planting
Existing Tree Cover
Stream Control Structure
Stream Rock Riffle
Pier / Boardwalk
Mown Foot Path
Mulch Foot Path
Multi-Use Trail
Pedestrian Crosswalk
Future Trail
Driveway
Parking

Concept Elements:

Various design elements are incorporated into each concept. The following elements will be reviewed to understand the unique quality and benefits of each element and identify the objectives for including them in the concept plans.

- Pond
- Streams
- Low Mow / No Mow Lawn
- Riparian Buffer
- Meadow
- Wetlands

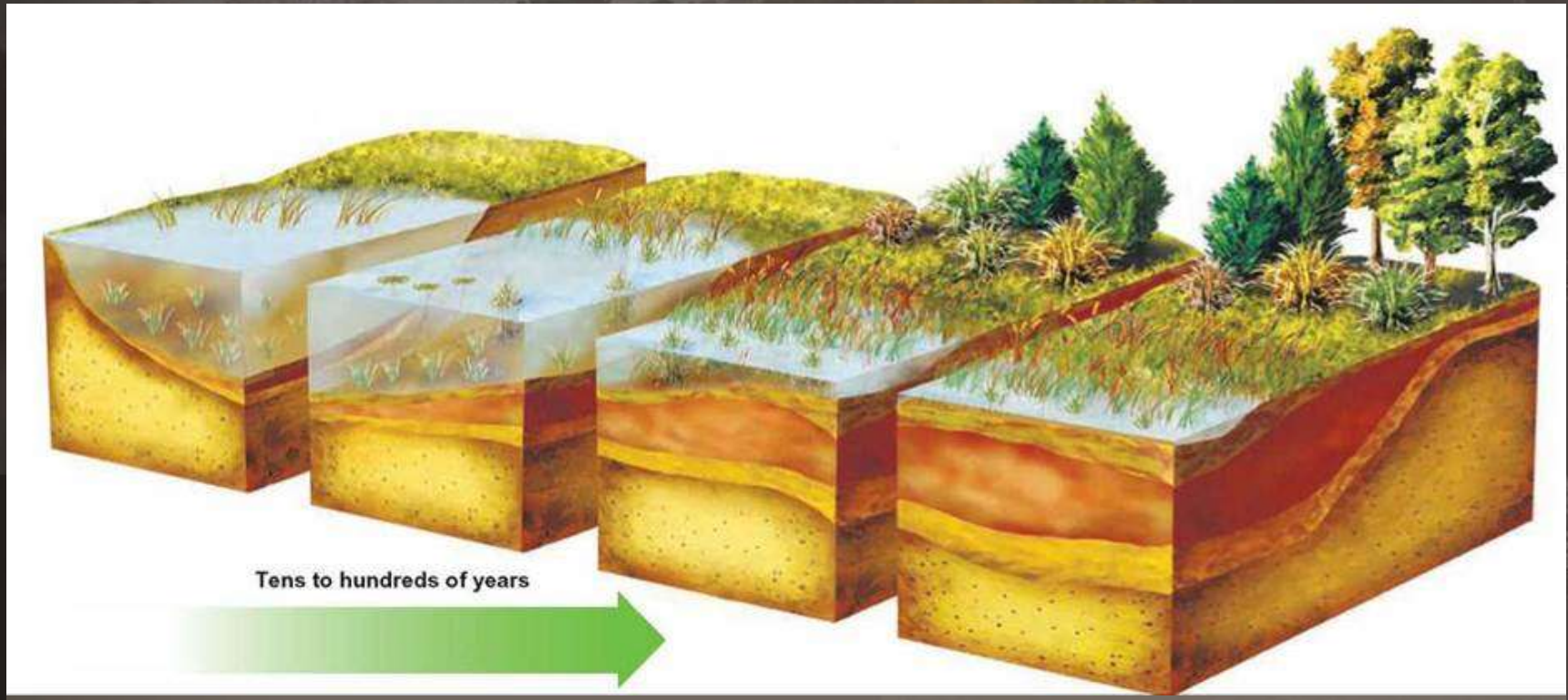
What is a Pond?

A pond is a body of standing water, either natural or artificial, that is usually smaller than a lake. They may arise naturally in floodplains as part of a river system, or they may be somewhat isolated depressions (examples include vernal pools and prairie potholes). Usually they contain shallow water with marsh and aquatic plants and animals. The type of life in a pond is generally determined by a combination of factors including water level regime (depth and duration of flooding),nutrient levels, shading by trees, and presence or absence of streams.

Benefits:

- Wildlife Diversity
- Wildlife water source
- Increased species movement
- Sediment trap
- Cultural

What is a Pond?



Pond Environments are not static

- Without human management ponds are constantly progressing to a climax plant community. A pond starts with a bare bottom that slowly gives way to submerge vegetation, emerging vegetation, and finally will fill in completely forming meadow and forest plant communities.

What is a Pond?

What is a Pond?

What is a Pond?

What is a Pond?

CONCEPT ELEMENTS

Pond Objectives for Site

- Create ponds to allow for open water views from neighboring homes and from Reservoir Road.
- Maintain pond depth necessary for healthy aquatic life (3' min)
- Maintain water movement through pond.
- Create a pond forebay to trap sediment
- Provide vegetation along pond edges to promote both terrestrial and aquatic life.
- Incorporate trees along pond edges while preserving key views into and across the site.
- Locate ponds off the main stream channel to limit sediment inputs into the pond.

Pond Objectives for Site

Control Mosquitoes

- Adult mosquitoes lay their eggs anywhere they can find still water. Within 48 hours the eggs begin to hatch, and then, depending primarily upon temperature, the larvae evolve into adults within 4 to 31 days.
- Combating Mosquitoes
  - Reduce their natural habitats:
    - Insure water movement in ponds.
    - Remove manmade areas of standing water i.e. buckets, roof gutters, or play equipment
  - Provide habitat for natural predators:
    - Fish
    - Bats
    - Birds
    - Amphibians

CONCEPT ELEMENTS

Pond Objectives for Site

- Develop management plan for ponds
  - Remove Sedimentation from Forebay every 5 years
  - Partner with surrounding property owners to limit fertilization in surrounding areas
  - Maintain Ecological Balance with removal of excessive vegetation
  - Maintain Water Flow through ponds
  - Encourage Aeration within ponds

CONCEPT ELEMENTS

What is a Stream?

A stream is a body of water with a current, confined within a bed and banks. Streams are important as conduits in the water cycle, instruments in groundwater recharge, and corridors for fish and wildlife migration. The biological habitat in the immediate vicinity of a stream is called a riparian zone. Streams play an important corridor role in connecting fragmented habitats and thus in conserving biodiversity.

Benefits:

- Wildlife Corridor
- Fish movement
- Ground Water Recharge

What is a Stream?

Chester Creek north of East Strasburg Road – Depth and Width will be Similar within the Reservoir Area.

BRAINSTORMING IDEAS

What is a Stream?

BRAINSTORMING IDEAS

What is a Stream?

CONCEPT ELEMENTS

Stream Objectives for Site

- Step stream to prevent head cutting of the culvert at East Strasburg Road and into the Wetlands.
  - Riffle or step pools
- Maintain hydrology as close to existing conditions as possible at wetlands.
- Provide vegetation along stream edges to promote both terrestrial and aquatic life.
- Incorporate trees along stream edges (cool water) while preserving key views into and across the site.
- Develop management plan for stream corridor
  - Monitor stream banks for erosion
  - Removal of invasive plant species

BRAINSTORMING IDEAS

What is a Stream?

Step Pools

BRAINSTORMING IDEAS

What is a Stream?

Constructed Riffles

BRAINSTORMING IDEAS

What is a Stream?

Constructed Riffles

CONCEPT ELEMENTS

What is a low mow / no mow lawn ?

Low Mow / No Mow Lawn seed mixes are a specially designed blend of fescue grasses that grow to form a dense sod and thrive in full sun or partial shade. An established No Mow lawn requires little if any watering or fertilizing, and minimizes weed growth through its interlocking root system. No-Mow turf can be mowed once or twice a year, or not at all. From a distance, low-mow grass looks appealing because it is thick and green.

Benefits

- Control water-runoff
- Natural filter
- Prevent erosion
- Reduces maintenance

What is a low mow / no mow lawn ?

What is a low mow / no mow lawn ?

What is a low mow / no mow lawn ?

What is a low mow / no mow lawn ?

What is a low mow / no mow lawn ?

What is a low mow / no mow lawn >

CONCEPT ELEMENTS

No Mow / Low Mow Objectives for Site

- Provide beautiful green open areas
- Create planting transition from neighboring lawns into township site
- Limit maintenance
- Limit noise (mowers)
- Limit fertilizer and watering needs
- Develop management for No Mow / Low Mow
  - Mow 1-2 times during growing season
  - Identify areas for no mowing except seasonal clean up
  - Invasive monitoring and removal

CONCEPT ELEMENTS

What is a Riparian Buffer?

A riparian buffer zone is an area of trees and shrubs adjacent to a natural waterway, including streams, lakes, ponds and wetlands. The purpose of a riparian buffer zone is to capture sediment, nutrients, pesticides and other contaminants in order to reduce their entry into waterways. In addition, riparian buffers are a type of wildlife corridor that create habitat for wildlife activity and movement.

Benefits:

- Cool water temperatures
- Filter sediment & nutrients
- Flood control
- Habitat
- Bank Stabilization

What is a Riparian Buffer?

What is a Riparian Buffer?

What is a Riparian Buffer?

What is a Riparian Buffer?

What is a Riparian Buffer?

What is a Riparian Buffer?

CONCEPT ELEMENTS

Riparian Buffer Objectives for Site

- Preserve and enhance existing riparian buffers
- Create 20' wide riparian buffers along new stream corridor / pond edges
- Incorporate trees within Riparian Buffer while preserving key views into and across the site.
- Develop management for riparian buffers
  - Invasive monitoring and removal
  - Seasonal removal of perennial material
  - Periodic removal of woody vegetation as required (3-5 yrs.)

CONCEPT ELEMENTS

What is a meadow?

A meadow includes taller, warm season grasses. Meadows can also have blooming perennials, such as butterfly weed and black-eyed Susans. Uplands and meadows are characterized as being dry the majority of the year. Soils at these sites often consist of sandy clay and shale with very little topsoil and subject to drought. Meadows / grasslands occur natural in nature in areas of disturbance or where shallow soils can not support shrubs and trees. If left unmanaged in Eastern Pennsylvanian most meadow will grow first into shrublands and then forest. Meadow are home to a variety of plants, birds, mammals and beneficial insects.

Benefits

- Habitat and food for insects, and animals
- Natural filter of sediments and pollutants
- Prevents erosion
- Reduces maintenance

What is a meadow?

What is a meadow?

What is a meadow?

What is a meadow?

What is a meadow?

What is a meadow?

What is a meadow?

CONCEPT ELEMENTS

Meadow Objectives for Site

- Provide visually open areas to preserve views
  - Design areas of lower meadows and taller meadows
- Limit Pedestrian access to private properties
- Use in areas of steep slopes
- Limit maintenance needs - mowing
- Develop management for Meadow
  - Seasonal Mowing - Early Spring for winter habitat and wildlife coverage
  - Identify areas to be allowed to succeed into shrubland and forest
  - Invasive monitoring and removal
  - Remove woody material as required

CONCEPT ELEMENTS

What is a wetland?

Although wetlands are often wet, a wetland might not be wet year-round. In fact, some of the most important wetlands are only seasonally wet. Wetlands are the link between the land and the water. They are transition zones where the flow of water, the cycling of nutrients, and the energy of the sun meet to produce a unique ecosystem characterized by hydrology, soils, and vegetation—making these areas very important features of a watershed.

- United States Environmental Protection Agency

What is a wetland?

Benefits of Wetlands

1. Groundwater recharge
2. Groundwater discharge
3. Flood flow alteration
4. Sediment stabilization
5. Sediment/toxicant retention
6. Nutrient removal / transformation
7. Carbon transformation
8. Production export (creates food that moves downstream)
9. Wildlife diversity/abundance
10. Wildlife breeding
11. Wildlife migration
12. Wildlife wintering

What is a wetland?

What is a wetland?

CONCEPT ELEMENTS

What is a wetland?

CONCEPT ELEMENTS

Wetland Objectives for Site

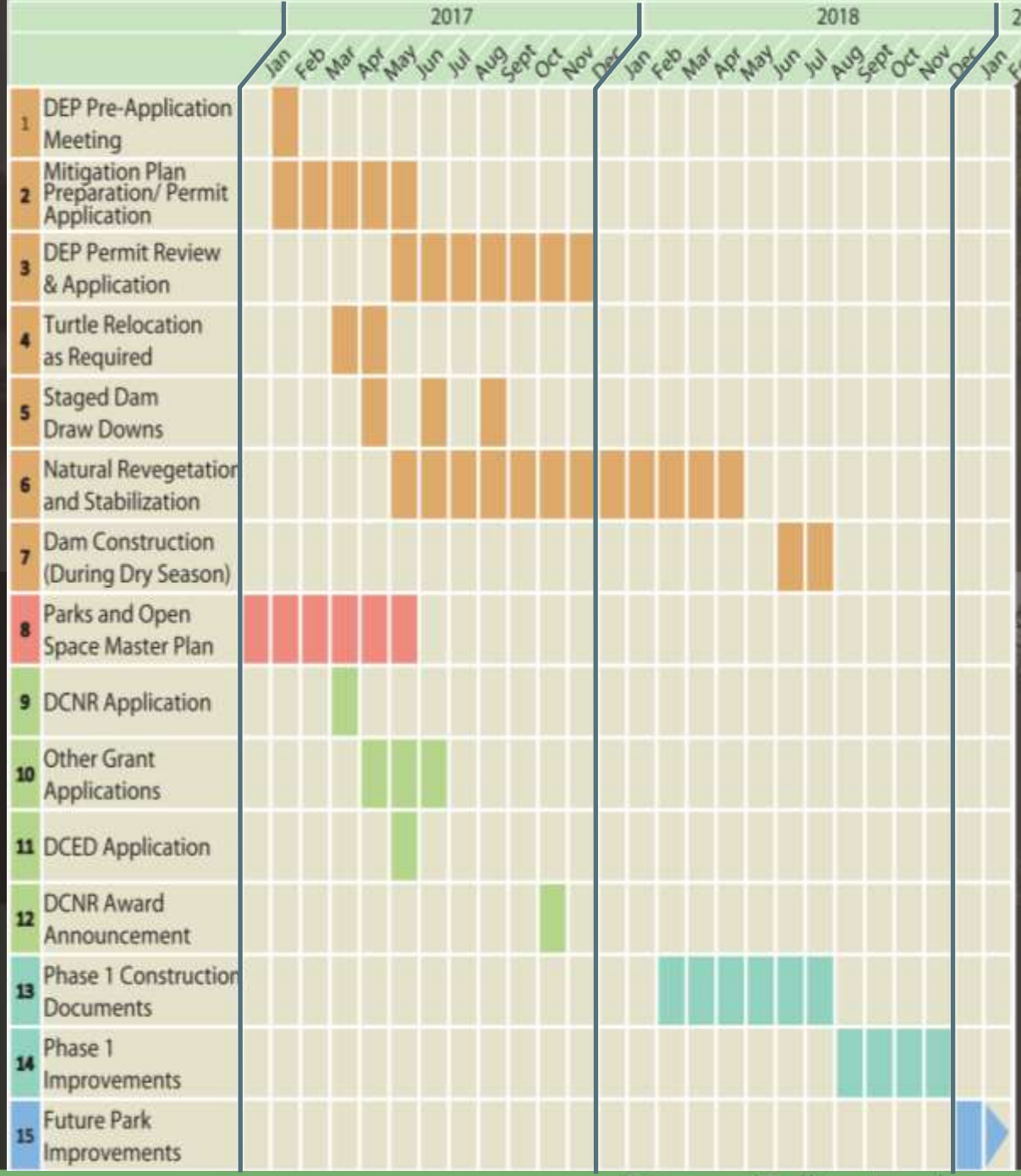
- Preserve and enhance existing wetlands
- For permitting purposes, replace wetlands as required
- Develop management for wetlands
  - Invasive monitoring and removal
  - Periodic removal of woody vegetation as required (3-5 yrs.)

CONCEPT ELEMENTS

Wetland Objectives for Site

- Preserve and enhance existing wetlands
- For permitting purposes, replace wetlands as required
- Develop management for wetlands
  - Periodic Forebay sediment removal (5 yrs.)
  - Invasive monitoring and removal
  - Periodic removal of woody vegetation as required (3-5 yrs.)

SITE TIMELINE



- Gannett Fleming
- Simone Collins
- Secure Matching Funds
- Possible Phase 1 Open space/ Park Improvements
- Future Open space/Park Improvements.

Next Meetings:

Public Meeting #3: Draft Plan Presentation	Wednesday 7-8:30 PM March 22, 2017	Location: Township Building
Committee Meeting #3 Draft Plan Direction	Wednesday 7-8:00 PM Feb 21, 2017	Location: Township Building

Township Project Website:

https://eastgoshen.org/about-us/milltown-dam

Tonight's Plans and Presentation:

https://eastgoshen.org/boards/milltown-dam-committee

Web Survey

https://www.surveymonkey.com/r/Milltown2-Concept

Please Share links with Friends and Neighbors

Concept 1

- Small Habitat Islands
- 3 Acre Pond

Concept 2

- Large Island
- Reforestation
- 2 Acre Pond

Concept 3

- Multiple Ponds
- 1.5 Acre Ponds

Concept 1


Control Structure
Lawn
= 1/2 Acre
Pier / Boardwalk
Control Structure
Stream Elevation 336.5
Spillway
Pond Elevation
337.5
Armored Culvert
(Both Sides of Road)
Stream Elevation 342.2
341.2
340.2
338
+337
336.5+
340+
+350
+336.5
+340
Expanded
Parking
10 Spaces
Parking
10 Spaces
Pond
= 3 Acres
Parking
20 Spaces
Lawn
= 1 Acre
Main Creek
Channel
Dam
Embankment
Future Trail
Legend
Milltown Dam Site
Proposed 100 Year Floodplain
Proposed Pond and Stream
Ripirian Buffer Area
(Seasonal Mowing)
Wetland Enhancement Area
(if necessary)
Upland Meadow
(Seasonal Mowing)
Low Mow Lawn
(Periodic Mowing)
Proposed Tree Planting
Existing Tree Cover
Stream Control Structure
Stream Rock Riffle
Pier / Boardwalk
Mown Foot Path
Mulch Foot Path
Multi-Use Trail
Future Trail
Driveway
Parking

Concept 2


Main Creek Channel
Pier / Boardwalk
Stream Elevation 336.5
Lawn = 1/2 Acre
Spillway
Armored Culvert (Both Sides of Road)
Water Elevation 342.2
340.2
341.2
338.2
340.5
Pond Elevation 337.5
+336.5
+338
+340
Expanded Parking 10 Spaces
Parking 10 Spaces
Pond = 2 Acres
Parking 20 Spaces
Control Structure
Lawn = 1 Acre
Dam Embankment
Future Trail
Legend
Milltown Dam Site
Proposed 100 Year Floodplain
Proposed Pond and Stream
Ripirian Buffer Area (Seasonal Mowing)
Wetland Enhancement Area (if necessary)
Upland Meadow (Seasonal Mowing)
Low Mow Lawn (Periodic Mowing)
Proposed Tree Planting
Existing Tree Cover
Stream Control Structure
Stream Rock Riffle
Pier / Boardwalk
Mown Foot Path
Mulch Foot Path
Multi-Use Trail
Future Trail
Driveway
Parking

Concept 3


Lawn
Control Structure
Pond
Spillway
Control Structure
Armored Culvert
(Both Sides of Road)
Pond Elevation
338.5
336.5+
Pond Elevation
337.5
340.2
339.2
338+
336.5
350
Expanded
Parking
10 Spaces
Parking
10 Spaces
Main Creek
Channel
Parking
5 Spaces
Lawn
Control Structure
Pond
Dam
Embankment
Pier / Boardwalk
Future Trail
Legend
Milltown Dam Site
Proposed 100 Year Floodplain
Proposed Pond and Stream
Ripirian Buffer Area
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Pier / Boardwalk
Mown Foot Path
Mulch Foot Path
Multi-Use Trail
Future Trail
Driveway
Parking

VOTE FOR YOUR TWO FAVORITE CONCEPTS

Concept 1
- Small Habitat Islands
- 3 Acre Pond

Concept 2
- Large Island
- Reforestation
- 2 Acre Pond

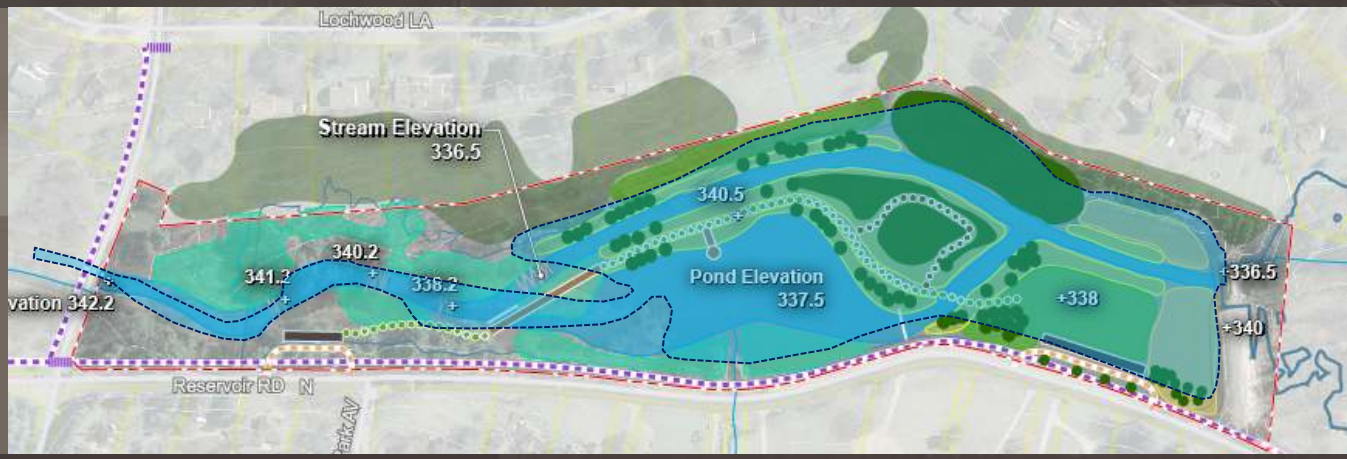
Concept 3
- Multiple Ponds
- 1.5 Acre Ponds

Concept 1

- With Existing Reservoir Limits Overlaid

Concept 2

- With Existing Reservoir Limits Overlaid



Concept 3

- With Existing Reservoir Limits Overlaid

PROJECT SCHEDULE

Meeting	Date & Time	Meeting Subject
Milltown Committee Meeting #1	Nov 2, 7:00 pm	Project Introduction / Brainstorming
Milltown Public Meeting #1	Dec 14, 7:00 pm Dec 15, 7:00 pm	Project Introduction / Brainstorming
Milltown Committee Meeting #2	Jan 11, 7:00 pm	Site Concepts
Milltown Public Meeting #2	Jan25, 7:00 pm	Site Concepts
Milltown Committee Meeting #3	Feb 21, 7:00 pm	Draft Plan Review
Milltown Public Meeting #3	Mar 22, 7:00 pm	Draft Plan Presentation - 60 day review
Milltown Committee Meeting #4	May 23, 7:00 pm	Final Plan Review
Milltown Public Meeting #4	Jun 20, 7:00 pm	Final Plan Presentation

Contact Info: Please Copy All Parties

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