

This information was presented at the February 27th Twining Valley Site Development Plan Meeting. Please note that this presentation has been updated based on feedback during and following the meeting.

Updates included:

- Addition of estimated tax increase to Funding Operations
- Addition of a Glossary of Terms
- Added April 9 date to the Proposed Conversion Timeline

A scenic view of a golf course. A dirt path leads from the left side of the frame into a lush green field. In the background, there are several large, mature trees and a line of trees on a slight rise. The sky is bright blue with scattered white clouds. The overall atmosphere is peaceful and natural.

The Future of the Twining Valley Golf Course

February 27, 2019

Project Goals

- ▶ Enable Resident Access to Property
- ▶ Establish and Encourage the Property to Return to Nature
- ▶ Offer new Recreation Opportunities
- ▶ Construct Only as Funds are Available
- ▶ Operate Facility with Minimal Impact to the Department/Township Operating Budget

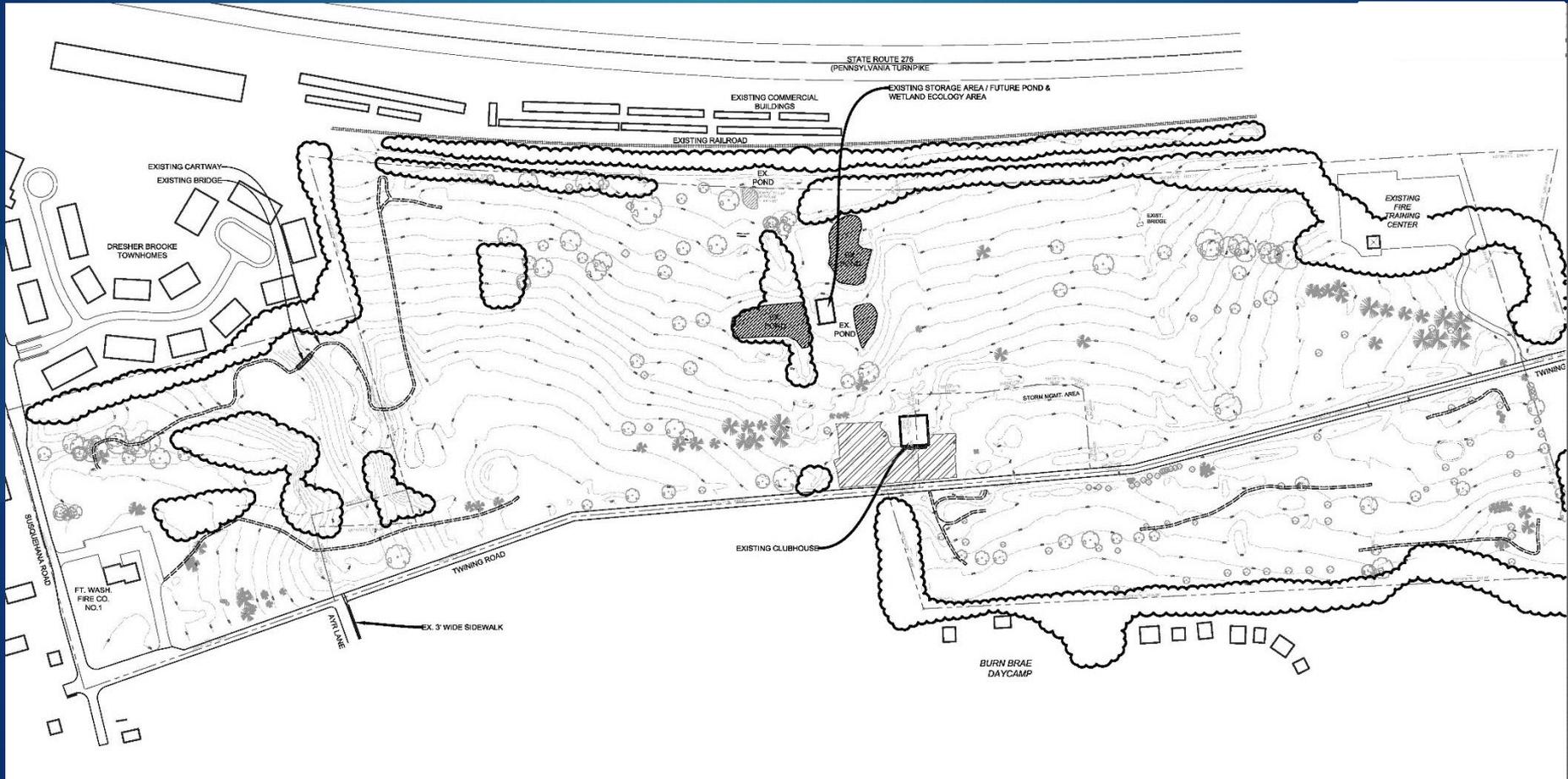
Context Map



Existing Features to Remain

- ▶ Clubhouse/Fitness Building
- ▶ Parking Area
- ▶ Storage Shed for Maintenance Equipment
- ▶ Cart Paths - Western Side of the Property & the 18 Acre Parcel
- ▶ Bridges / Cart Path Culverts/ Twining Road Tunnel
- ▶ Fire Training Facility
- ▶ Existing Trees
- ▶ Ponds & Stream Valleys

Existing Features to Remain Plan

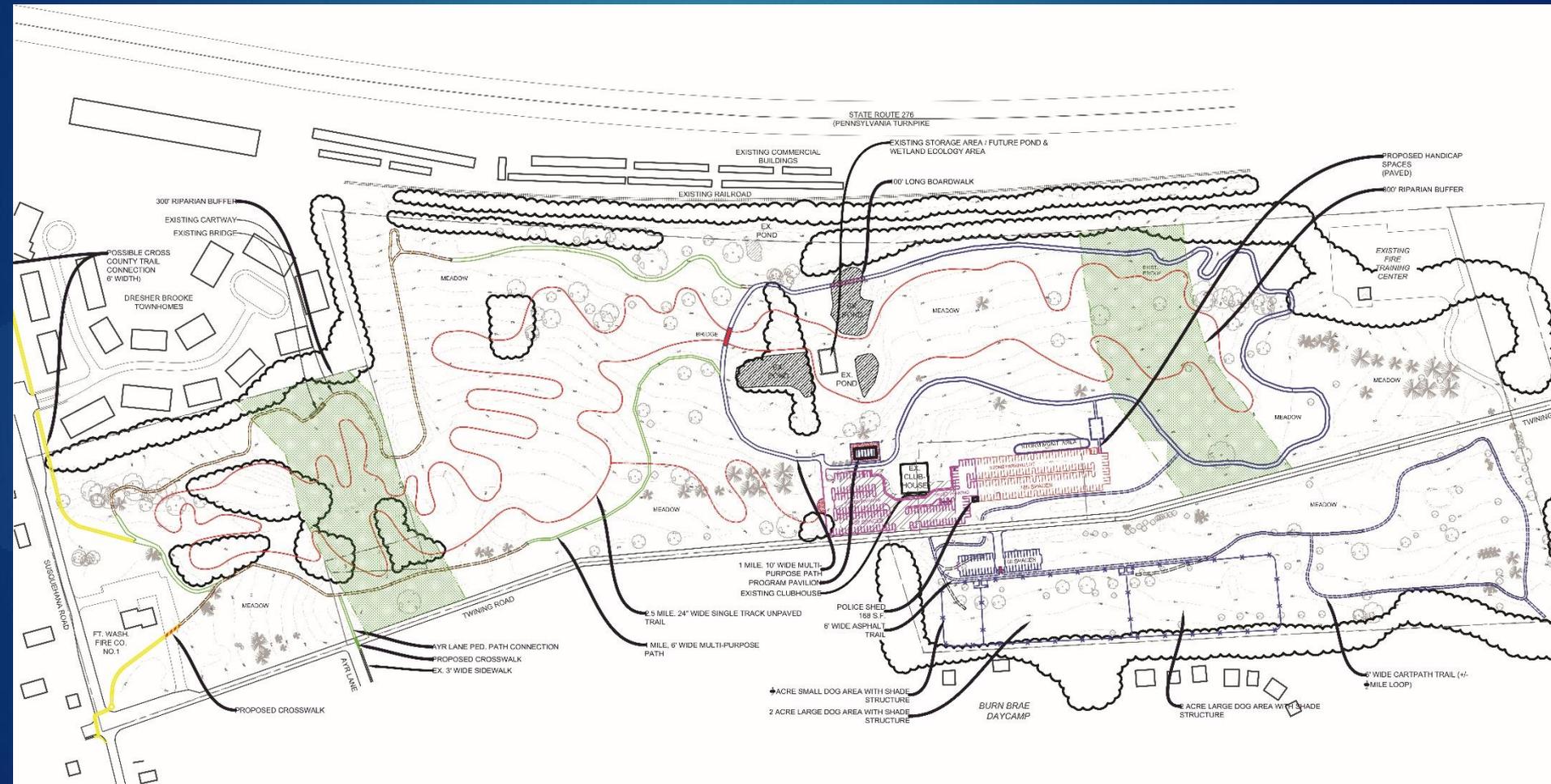


Phase I Development

- ▶ Expand **PARKING** (138 Paved; 165 Unpaved)
- ▶ 1 Mile **LOOP TRAIL** – 10' Wide (Eastern Side of Property)
- ▶ 1 Mile **LOOP TRAIL** – 6' Wide (Western Side of Property)
- ▶ 2 ½ mile, Unpaved / Earthen, **SINGLE TRACK TRAIL**
- ▶ **DOG PARK** (1 Small Dog, 2 Separate Large Dog Areas)
- ▶ ½ Mile **PERIMETER WALKING TRAIL** - 6' WIDE (Dog Park)
- ▶ Program **PAVILION** (40'x54')
- ▶ **TRAIL CONNECTION** to neighborhoods
- ▶ Stormwater Management Facilities: **RAIN GARDENS & VEGETATIVE SWALES**
- ▶ **LIGHTING & SECURITY** (6 New Parking Lot Lights & 4 new HD Cameras)

- ▶ **Construction shall be based solely on available funding**

Phase I Plan





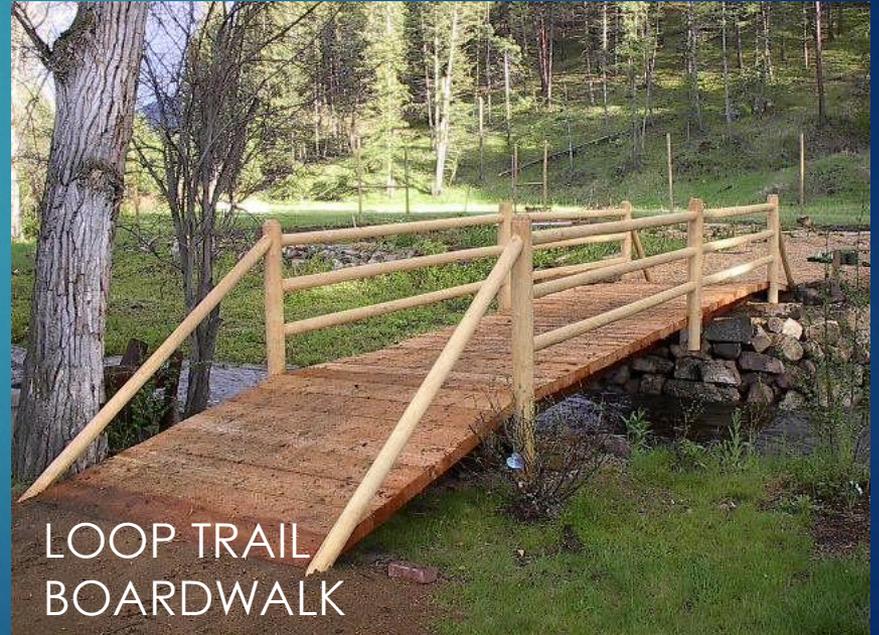
SINGLE TRACK



ASPHALT LOOP TRAIL



SINGLE TRACK
BRIDGE/BOARDWALK



LOOP TRAIL
BOARDWALK



VEGETATIVE
SWALE

RAIN GARDEN



DOG PARK





GRAVEL
PARKING
LOT



LED PARKING
LOT LIGHT



SECURITY
CAMERAS

Funding Opportunities

- ▶ TOTAL PHASE I COST - \$3.1 Million
 - ▶ Estimated operations would equate to a tax increase of approximately \$6.50 per household.
- ▶ GRANTS
 - PA DCNR C2P2 (up to \$250,000/cycle)
 - MONTCO 2040 (about \$100,000/cycle)
 - TRANSPORTATION & COMMUNITY DEVELOPMENT INITIATIVE
 - TRANSPORTATION ALTERNATIVES SET ASIDE (minimum \$50,000)
- ▶ UD TOWNSHIP COMMUNITY REINVESTMENT FUND
- ▶ UD TOWNSHIP OPEN SPACE FUND
- ▶ OTHER ISSUE-SPECIFIC FUNDING
 - ▶ Vegetation plantings
 - ▶ Riparian buffers
 - ▶ Bicycle-related
 - ▶ Stormwater management
- ▶ NAMING RIGHTS for Certain Amenities
- ▶ VOTER APPROVED OPEN SPACE DEBT

Proposed Conversion Timeline (Phase I)

- ▶ Tuesday, April 9: Presentation to the UD Board of Commissioners - preliminary plan approval being sought
- ▶ November - December 2019 : Prepare Phase I Construction Documents
- ▶ January – February 2020 : Apply for Permits
- ▶ March – April: Place Project out for Bid
- ▶ May 2020: Start Construction
- ▶ September 2020: Phase I Complete and Open to the Public

Future Amenities

- ▶ GRADUATED BIKE PARK (SAFETY TOWN, BICYCLE PLAY GROUND & PUMP TRACK)
- ▶ FITNESS AREA
- ▶ GATHERING AREA, HAMMOCKS & FIRE PITS
- ▶ NATURAL PLAYGROUND
- ▶ NATURAL AMPHITHEATRE/ SLEDDING SLOPE
- ▶ NEIGHBORHOOD TRAIL CONNECTIONS
- ▶ NATURAL FEATURES IMPROVEMENTS
 - ▶ RIPARIAN BUFFER
 - ▶ MEADOWS
 - ▶ REFORESTATION
 - ▶ WETLAND CONSTRUCTION

Glossary of Terms

- ▶ **Bike Safety Town:** Offers a unique experience for children to learn to ride their bikes in an enclosed streetscape. It includes traffic signals, stop signs, roads, etc. and helps children learn to ride with others.
- ▶ **Graduated Bike Park:** A bike “playground” including features such as tunnels and bridges to help riders of all ages develop their cycling skills.
- ▶ **Meadow:** A field habitat vegetated by grass and other non-woody plants (grassland). Meadows are of ecological importance because they are open, sunny areas that attract and support flora and fauna that could not thrive in other conditions.
- ▶ **Natural Playground:** A playground containing elements from nature, such as trees, grass, rocks, sand and water. These playscapes represent a natural place such as a forest, designed with the intent of bringing people back to nature.
- ▶ **Pump Track:** For cycle sport consisting of a circuit of banked turns and features designed to be ridden completely by riders “pumping” - creating momentum by up and down body movements
- ▶ **Riparian Buffer:** A vegetated area near a stream which helps shade and partially protect the stream from the impact of adjacent land uses. It serves as a buffer to pollutants entering a stream from runoff, controls erosion, provides habitat and nutrient input into the stream.
- ▶ **Single Track:** A type of mountain biking trail that is approximately the width of the bike. It is often smooth and flowing, but may also feature technical rocky sections, go over tree roots, and include berms, banked turns, switch-backs, hills, drops, jumps, etc.
- ▶ **Vegetative swale:** Broad, shallow channels designed to convey and infiltrate stormwater runoff

SAFETY TOWN



BICYCLE PLAYGROUND



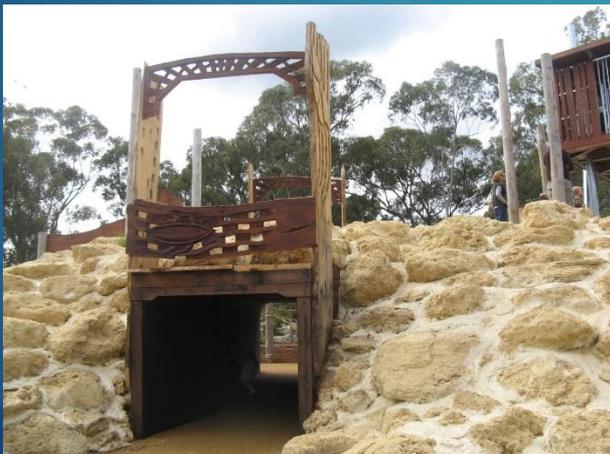
PUMP TRACK



FITNESS AREA



NATURAL PLAYGROUND





GATHERING AREA



NATURAL AMPITHEATER

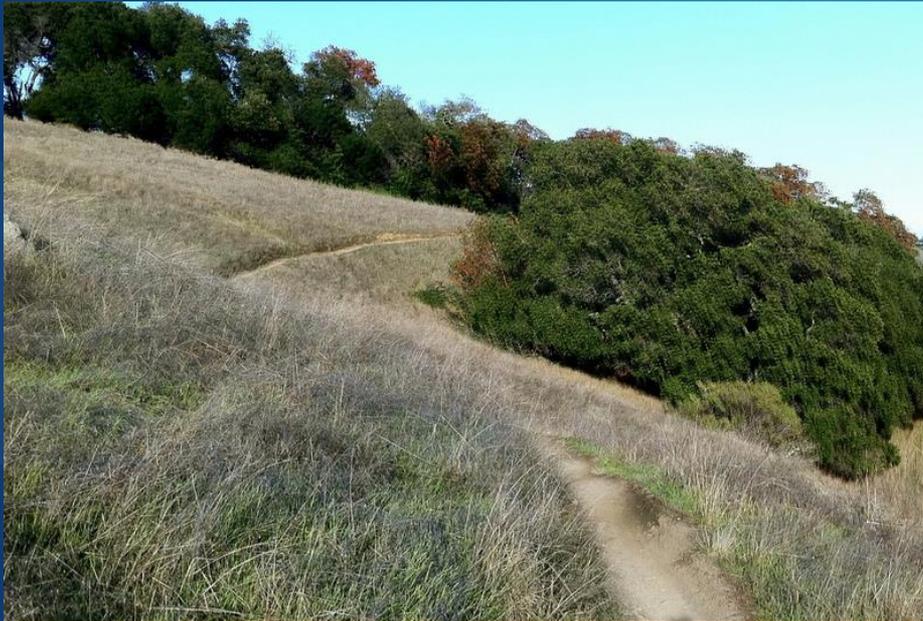


SLEDDING
SLOPE

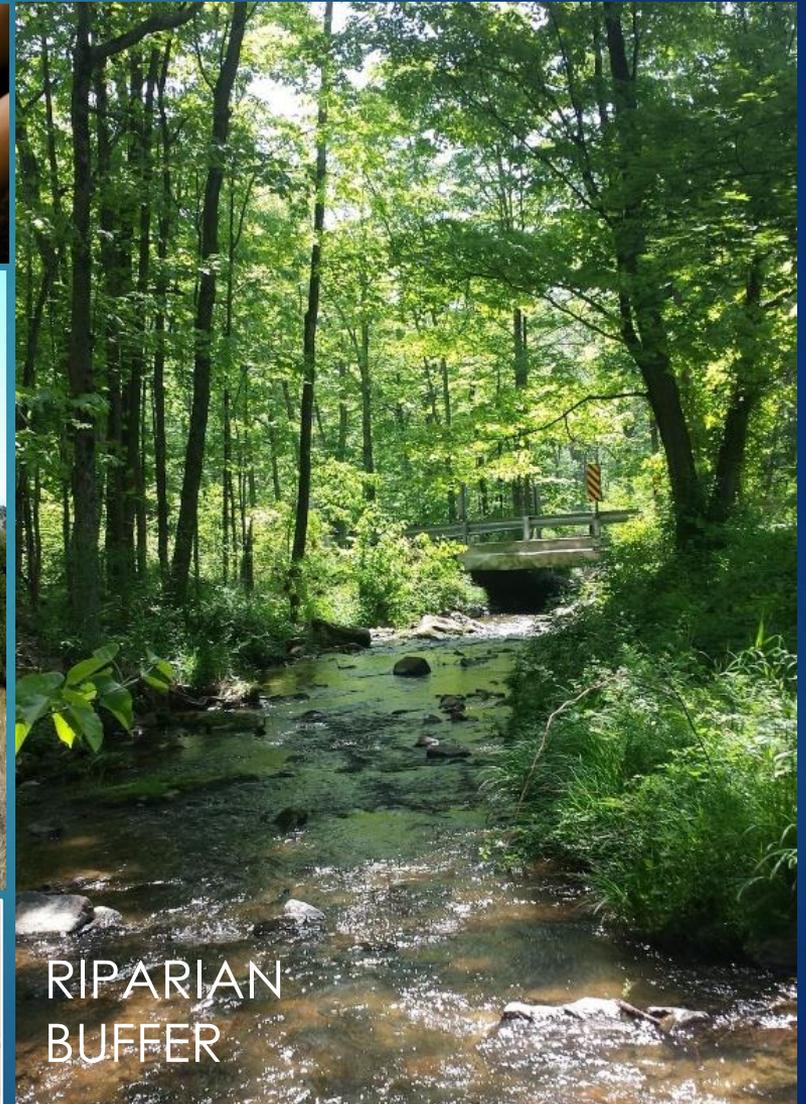
Natural Improvements



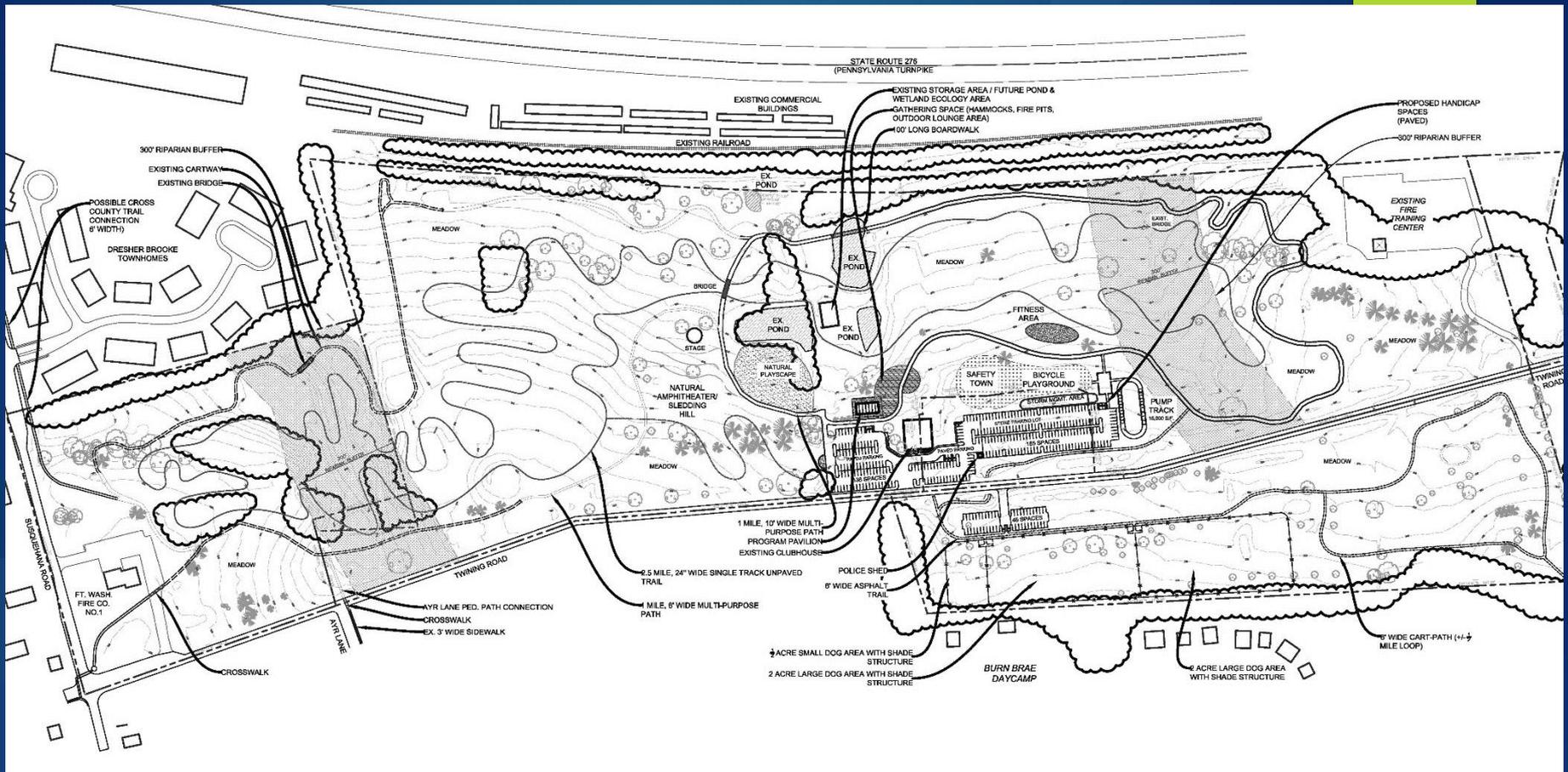
REFORESTATION



MEADOWS

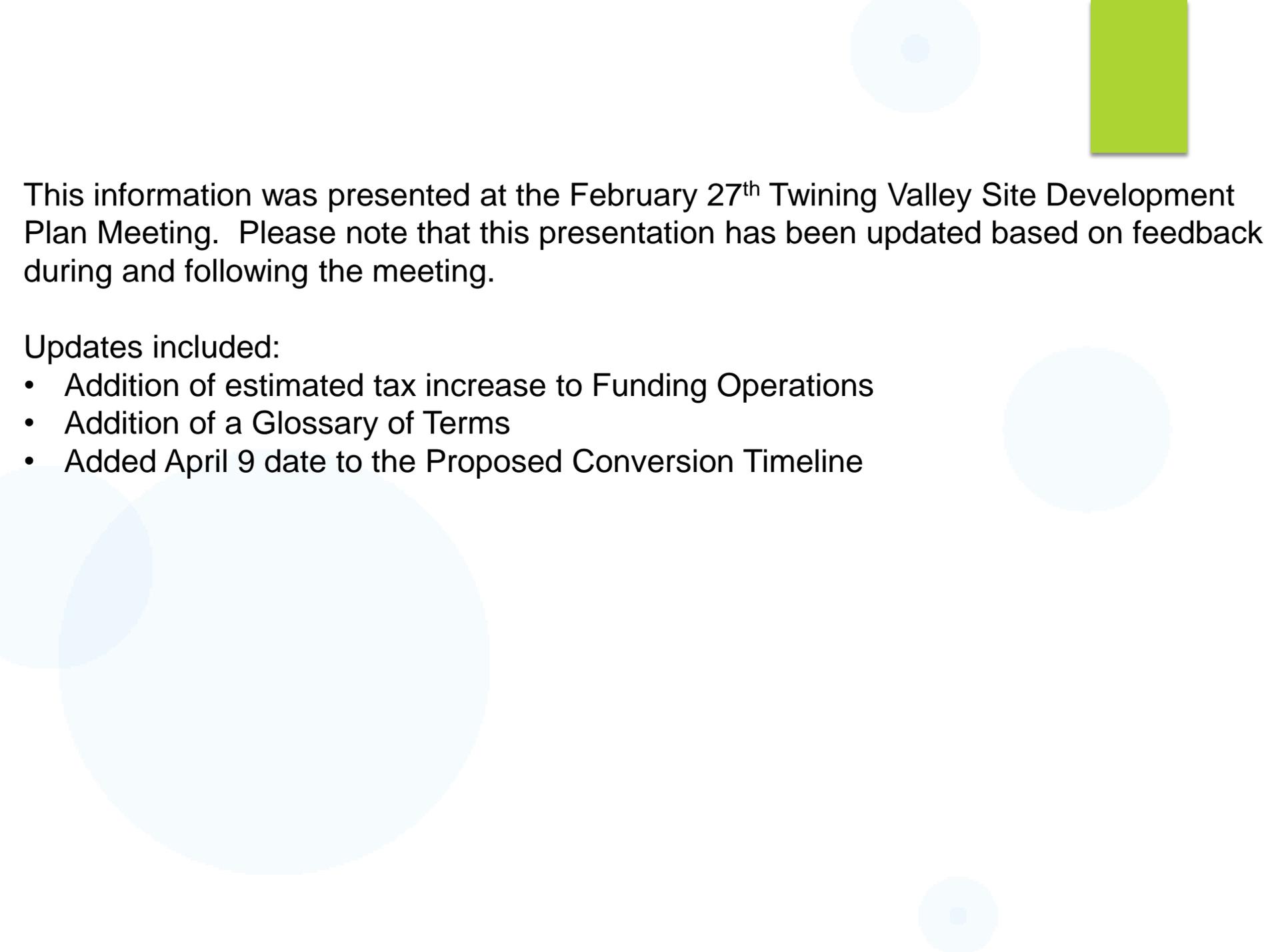


RIPARIAN
BUFFER



Questions, Please Contact:

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