

LOWER CANE RUN WET WEATHER STORAGE

September 15, 2015

The Problem:

- The Consent Decree requires LFUCG to abate Recurring Sanitary Sewer Overflows (SSOs).
- Lower Cane Run Pump Station is defined as a Recurring SSO.
- Lower Cane Run Pump Station sits next to the Legacy Trail.
- Recurring SSO solution - a “big” storage tank sitting at ground level.

VIEW APPROACHING FROM NORTH ON LEGACY TRAIL

**Approx. Tank Dimensions
70 feet tall / 200 feet in diameter**

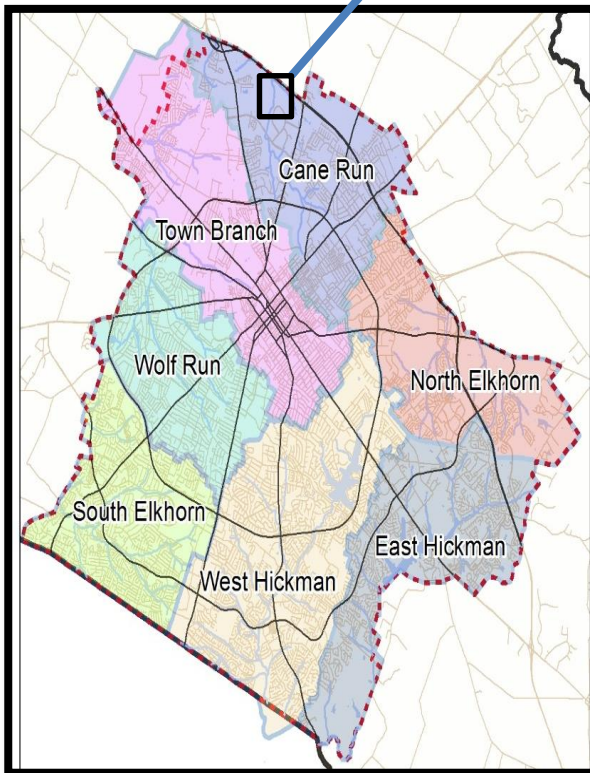


VIEW APPROACHING FROM SOUTH ON LEGACY TRAIL

**Approx. Tank Dimensions
70 feet tall / 200 feet in diameter**



Why Does the Tank Need to Be Located Here?



21 MGD Pump Station
Incoming pipes: 8-inch, 15-inch; 36-inch
Outgoing pipe: 30-inch

The Challenge

What can be done to minimize the negative impact this tank will have on one of Lexington's signature recreational amenities?

The Process

- Engage Stakeholders
- Develop Design Concepts and Cost Estimates
- Review With Stakeholders
- Refine Internally
- Recommend Solution to Council

STAKEHOLDERS

- Tenants / Owner - Coldstream Research Park
- Bluegrass Community Foundation
- Cane Run Watershed Council
- Lexington Visitors Center
- Legacy Trail Advisors and Advocates
- Lexington Art League
- Council Members (2nd and 12th)
- Parks and Recreation
- Other divisions / departments

RECOMMENDATIONS

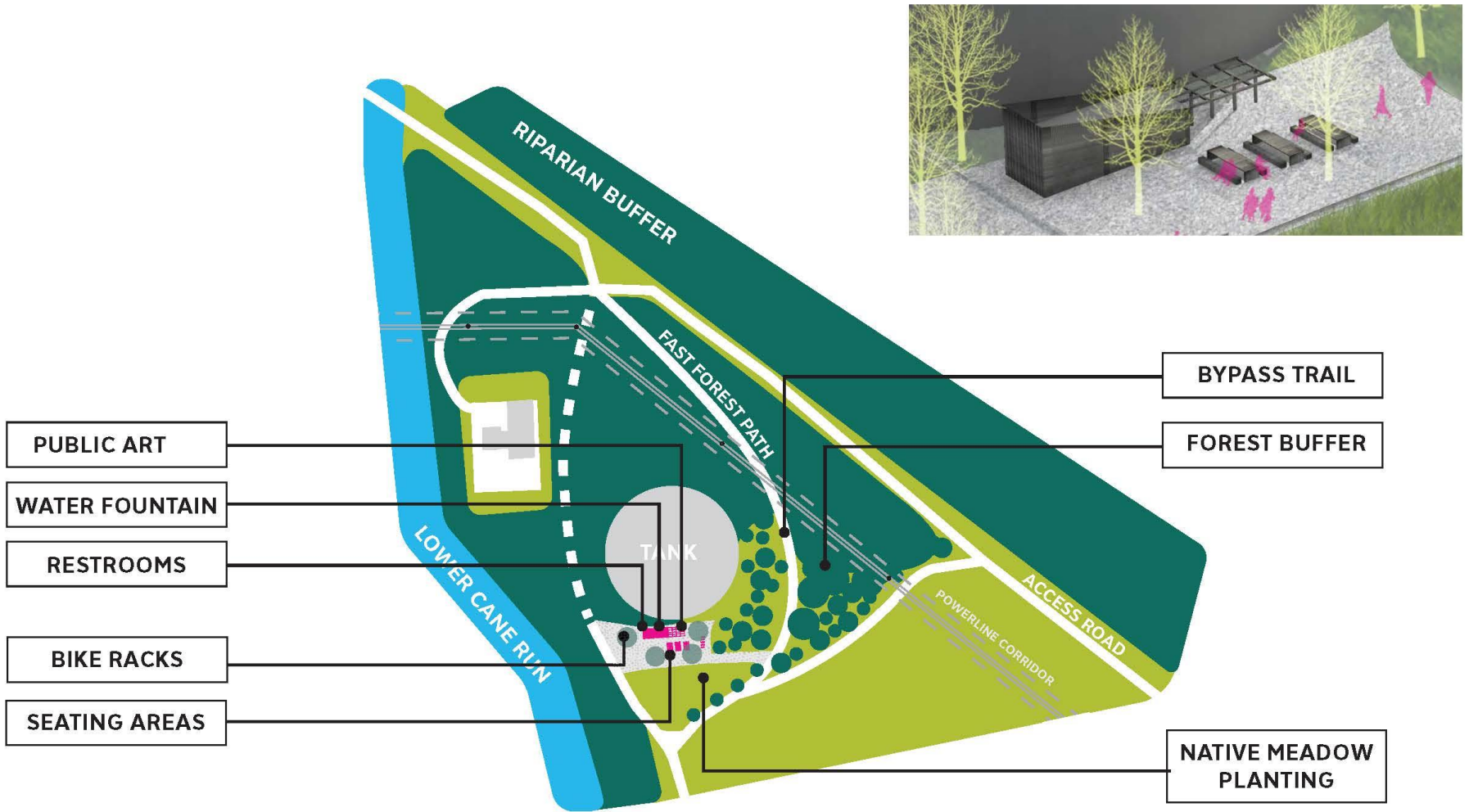
WHAT - Incorporate a rest plaza as a component of the tank site, creating a place that currently does not exist along the trail and includes the basic features most consistently requested by Stakeholders.

WHY – The tank is necessary at this location; to protect the environment and meet Consent Decree obligations. It does not have to be infrastructure that's viewed as a detriment to the recreational experience that the trail provides. The detrimental effects of the tank can be minimized by including the following amenities:

- Restroom / Water Fountain
- Rest Area: Benches / Bike Rack
- Landscaping
- Bypass Trail

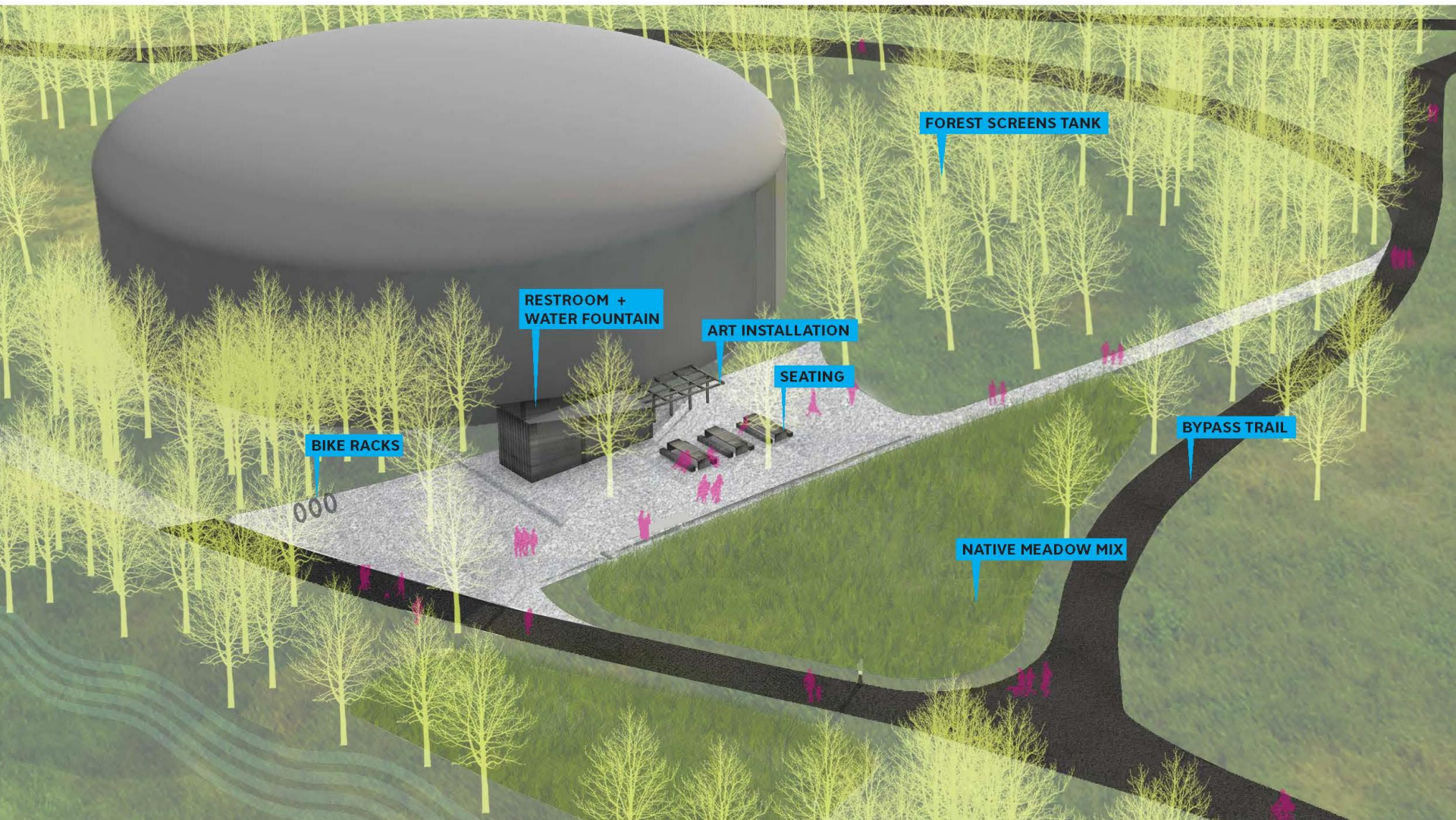
AMMENITY DETAILS

- Restroom / Water Fountain
- Rest Area: Benches / Bike Rack
- Landscaping
- Bypass Trail
- \$1,750,000



RECOMMENDED DESIGN

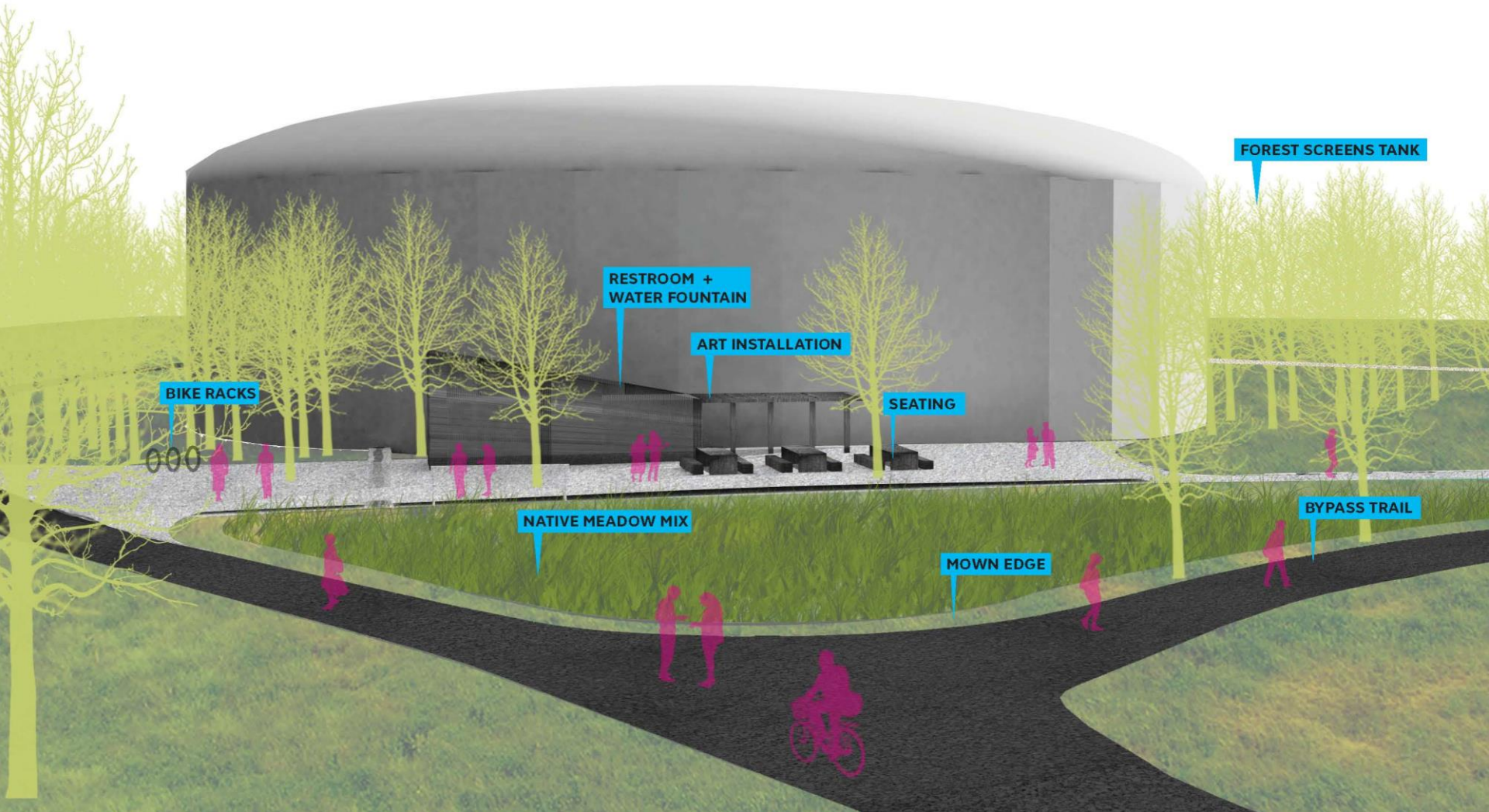
The rest plaza would offer the following amenities: **restroom, benches, bike racks, and a water fountain.**



RECOMMENDED DESIGN

Bird's eye view from south

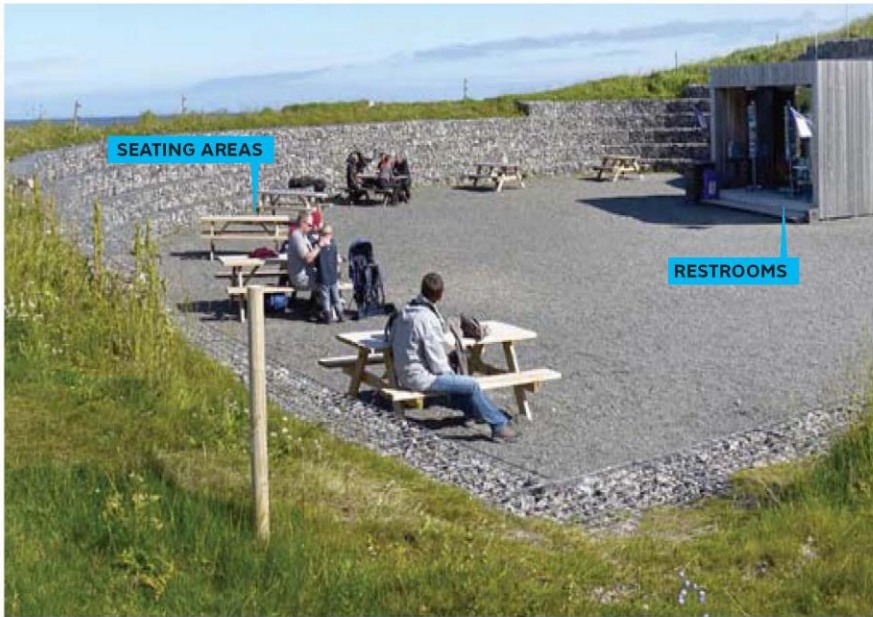
SCAPE / LANDSCAPE
ARCHITECTURE PLLC



RECOMMENDED DESIGN

View from southern approach on Legacy Trail

SCAPE / LANDSCAPE
ARCHITECTURE PLLC



SEATING AREAS

RESTROOMS



BIKE RACKS



SHADE VINE TRELLIS



SHADE + RESTROOMS



WATER FOUNTAIN



UNITED MATERIAL PALETTE

SHADED SEATING

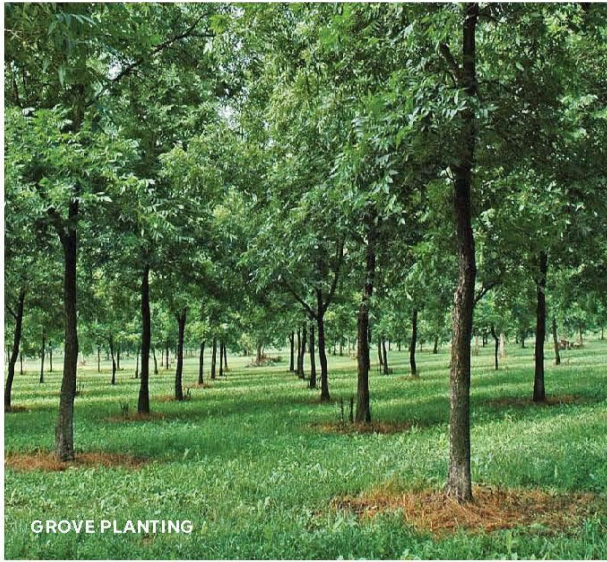
REST AREA

The design would provide a much needed rest stop for bikers and pedestrians along the length of the Legacy Trail. The materials would be unified and reference local Kentucky materials, such as crushed limestone and black tarred wood.



RESTROOM

The bathroom would likewise be integrated into the local material palette. Materials may include wood or tarred wood scrims.



GROVE PLANTING



PLANTING IN PLAZA



VEGETATIVE SCREEN



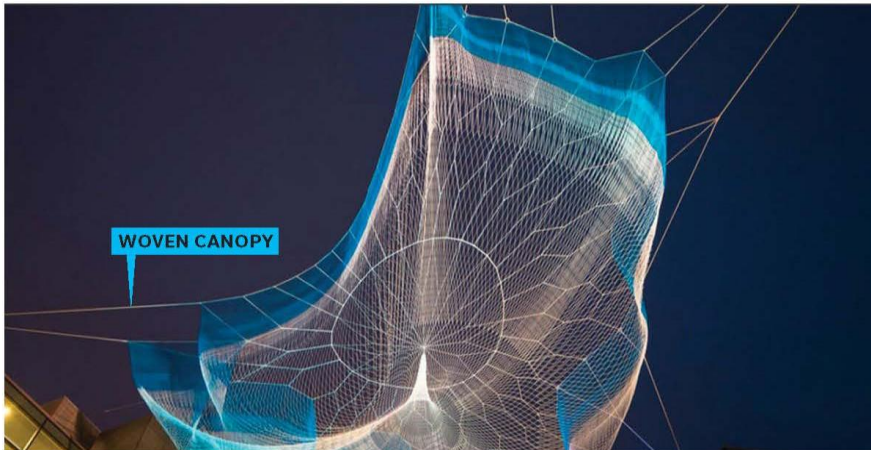
NATIVE MEADOW



MOWN EDGE

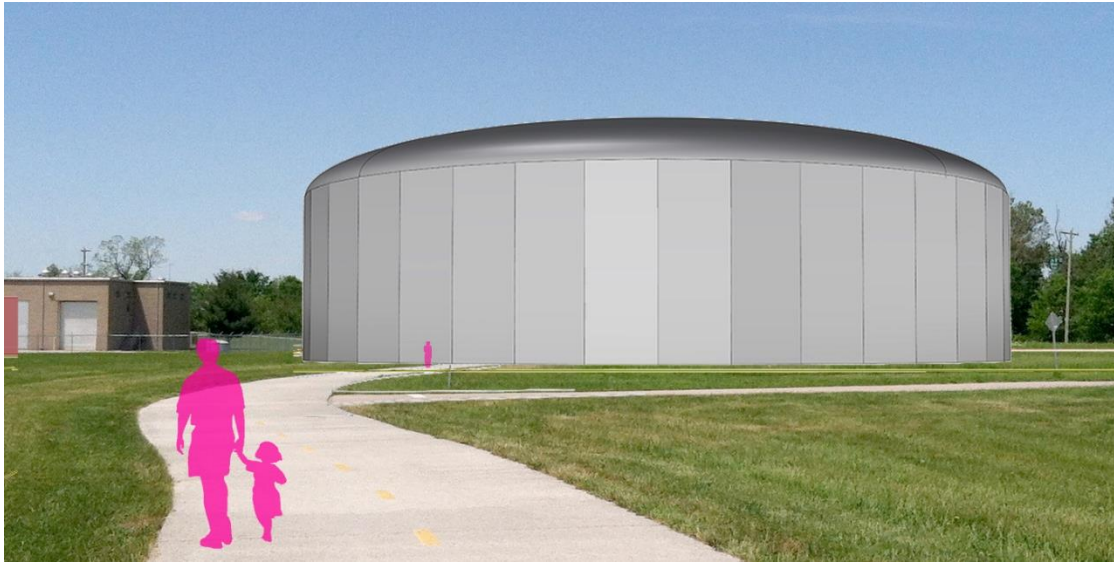
PLANTING

A thick tree planting around the tank will provide visual screening from Coldstream Industrial Park, shade for cyclists, as well as ecological benefit. The plantings would be native and low maintenance.



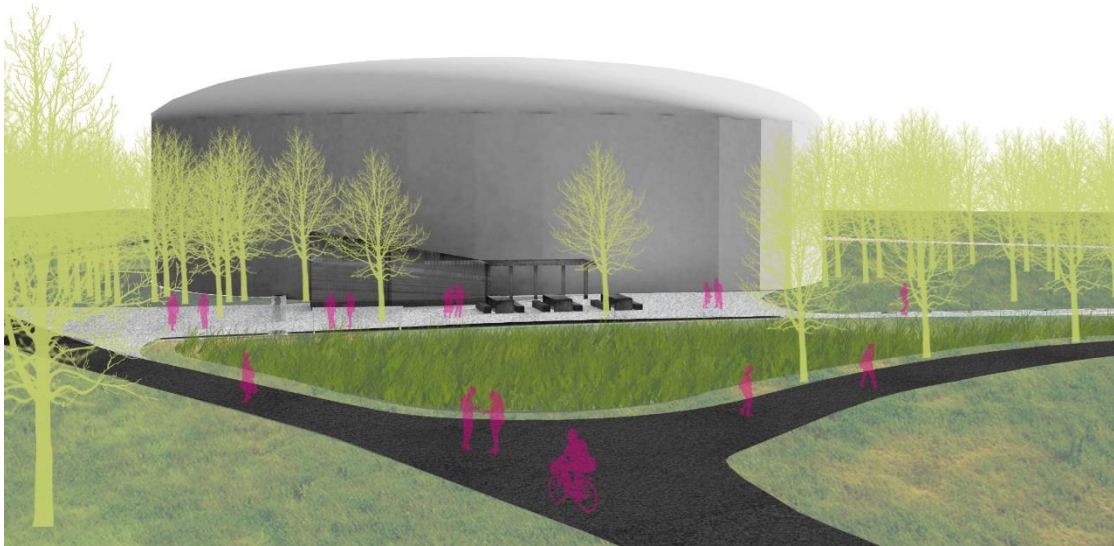
PUBLIC ART

The rest plaza trail would incorporate Pavement Tapis as described in the Public Art Masterplan. The plaza would include a spatial element – small shade structure or water treatment zone – designed in collaboration with a commissioned artist.



BEFORE:

- Eye sore
- No shade
- Fully visible from interstate + Coldstream Park
- Interrupts flow of bikes + pedestrians



AFTER:

- Amenity to Legacy Trail
- Shady stopping point
- Screens view from interstate + Coldstream Park
- Accommodates flow of bikes + pedestrians

Summary

- Construction of the tank at Coldstream, adjacent to the Legacy Trail is necessary for mitigating SSOs and meeting Consent Decree requirements.
- The tank presents an opportunity to enrich the trail experience rather than impairing it.
- Recommended plaza plan cost less than 5% of total project cost as projected in the approved Remedial Measure Plan.