





Mayfield Village Green Corridor Masterplan

The Mayfield Village Green Corridor Masterplan is a trail and greenway network to be used by bicyclists and pedestrians for transportation, recreation or cultural investigation. It consists of trails, bridges, an overlook, stream restoration, an amphitheater and sculpture walk, interpretive signage, and sustainable stormwater measures such as porous pavements, bioswales, and raingardens. The Green Corridor winds through both developed and natural areas, providing trail users with a complete recreational experience.

The Mayfield Village Green Corridor Masterplan builds upon the major prior investments made in trails and underpasses throughout Mayfield Village, connecting neighborhoods to schools, city parks and major employment centers on the west side of SR 91. The Green Corridor Masterplan identifies a feasible trail route and connector trails linking to Center Elementary School, Beta Park, the new and proposed Progressive Insurance campuses, the Civic Center, Parkview Pool, the recently restored wetlands, and surrounding residential neighborhoods.

A series of Steering Committee Meetings and two Public Meetings were conducted to involve the surrounding property owners and interested residents. Suggestions from each of the Public and Steering Committee Meetings were incorporated into the design.

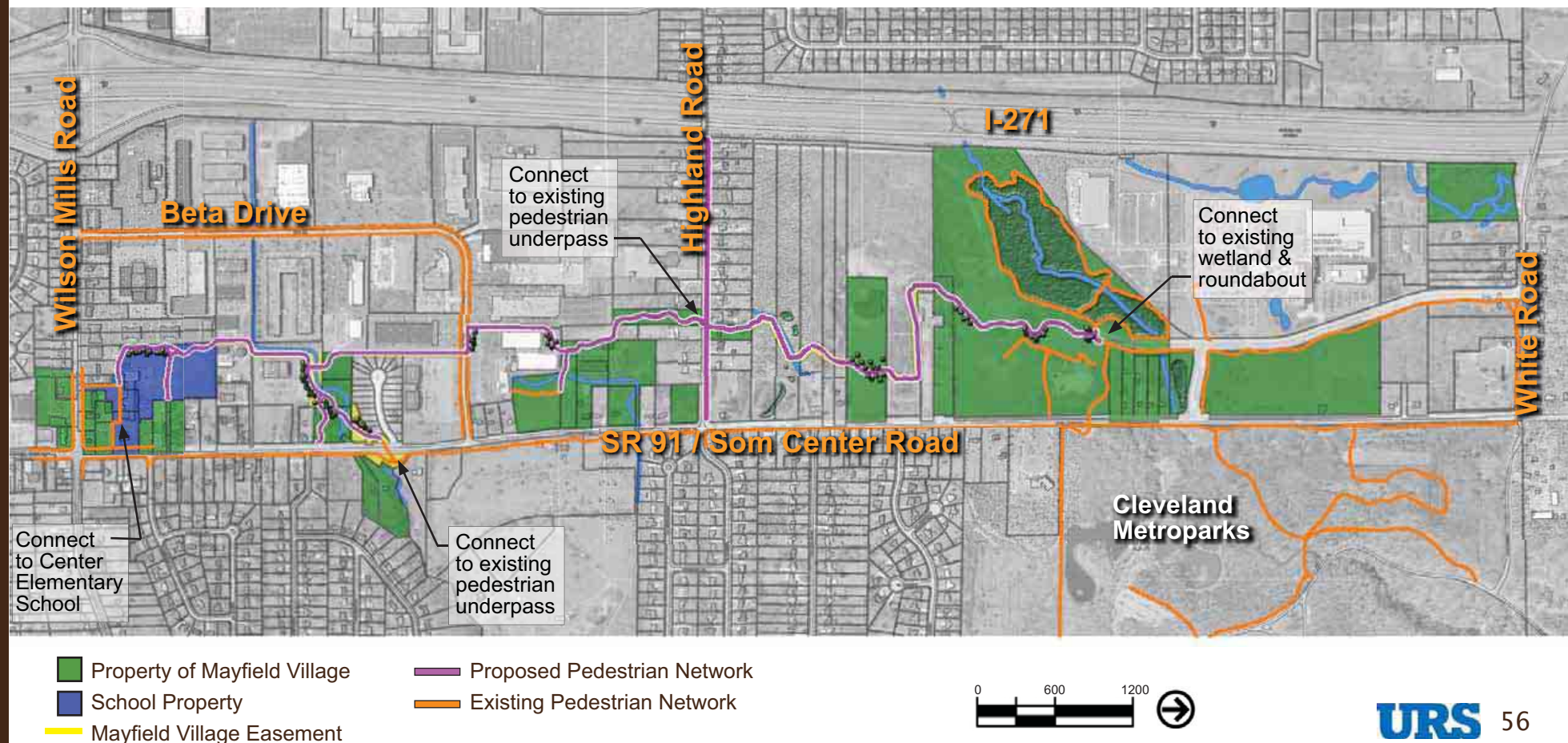
Entire Trail System

The proposed Mayfield Village Green Corridor Masterplan is a trail and greenway network consisting of existing & proposed trails, greening & regeneration, environmental restoration, art and culture destinations, and green infrastructure opportunities.

Surrounding neighborhoods, businesses as well as outside visitors will enjoy the benefits of the Corridor as a recreational amenity, a transportation pathway to school or work, a cultural destination, or an environmental exploration.

The proposed network will be a 10' wide asphalt trail with an all-purpose use for both pedestrians and bicyclists.

The below map displays the existing 8 miles of pedestrian network and the 2.3 miles of new and enhanced trails.



Proposed Green Corridor Masterplan - Overall Proposed Trail Plan

The proposed trail stretches from Center Elementary School to North Commons Boulevard, extending 2.3 miles of all-purpose trail and 0.45 miles of optional connector trails. Included in the proposed trail plan is 1 mile of existing 4' wide gravel pedestrian trail to be upgraded to a 10' wide asphalt all-purpose trail. The proposed all-purpose trail has minimal encounters with vehicles for both safety reasons and an enhanced trail experience. There is one proposed street crossing across Beta Drive, which will need appropriate vertical signage and pavement markings to alert vehicles and trail users. The trail passes through Mayfield Village Properties, Easements, and Licensing Agreements. The following pages take a closer look at the proposed trail route and enhancements.

Existing license agreements are held on the following properties:

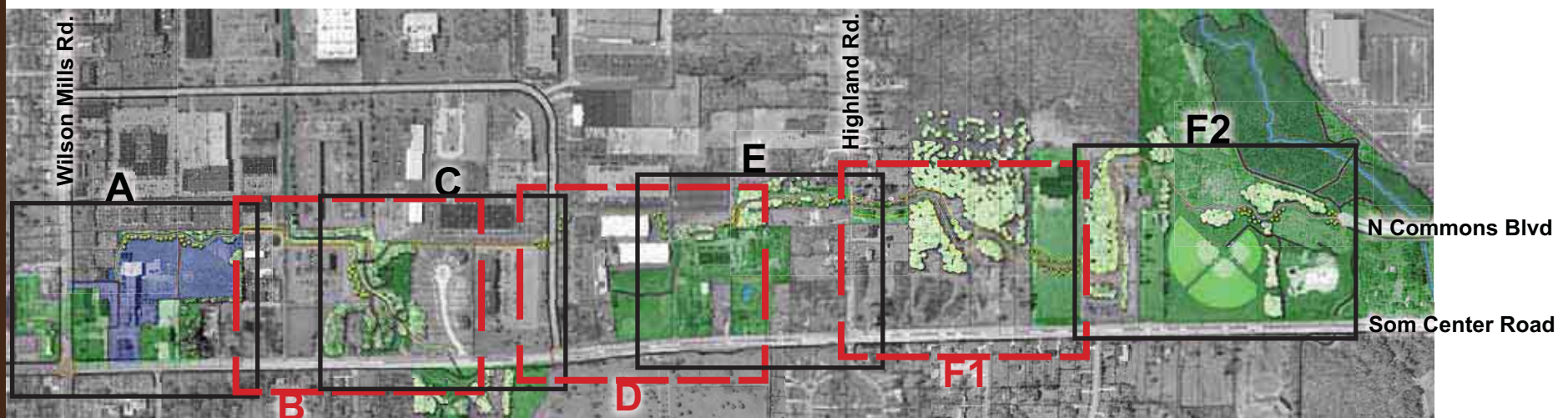
- Section A: Mayfield Board of Education
- Section B: Ohio Department of Transportation
- Section C: The Mt. Vernon Square Company, Ltd.
Nancy A. Panzica
- Section E: Progressive Casualty Insurance Company
- Section F1: Mayfield Investments, Inc.

Existing easements are held on the following properties:

- Section C: AIK Mayfield Village LLC and SOM Court Development Corp. - Conservation, Bike Path, and Bio-detention Easements
- Section E: Progressive Casualty Insurance Company - Utility Easement

Two easement/license agreement's are still required for the Green Corridor Masterplan to be fully implemented. The properties are:

- Section B: Georgian
- Section D: Skoda Minotti.



Overall Proposed Trail Plan and Key Map



Proposed Green Corridor Masterplan - Segment A



Properties Trail Passes Through:

Center Elementary School
Mayfield Village Properties



Greenway enhancements to the Civic Center will create aesthetic appeal as well as sustainable stormwater management. See Detailed Plan #1



Center Elementary School is an important trail connection to provide a safe route to school.

■ Property of Mayfield Village
■ School Property
■ Mayfield Village Easement

— Proposed 10' Multipurpose Trail
— Proposed 10' Trail Connector Option
— Existing Trail



Proposed Green Corridor Masterplan - Segment B



Properties Trail Passes Through:

Mayfield Village Easements
 ODOT
 Panzica
 Georgian
 Mayfield Village Properties



The trail could utilize existing unused asphalt from the adjacent parking lot with the addition of a bioswale buffer for safety from vehicles and sustainable stormwater management. See Detailed Plan #4



Winding the trail through a natural setting will enhance the pedestrian experience and expose trail users to environmental beauty.

Property of Mayfield Village
 School Property
 Mayfield Village Easement

Proposed 10' Multipurpose Trail
 Proposed 10' Trail Connector Option
 Existing Trail



Proposed Green Corridor Masterplan - Segment C



Properties Trail Passes Through:
 AIK Mayfield Village LLC and SOM
 Court Development Corp Easement
 Mayfield Village Properties



The trail has the option to pass over Beecher's Brook twice, using pedestrian bridges to connect to the existing underpass and Beta Drive.



Restoring the severely eroded Beecher's Brook will help to solve flooding downstream as well as enhance fish and wildlife habitats. See Detailed Plan # 2



Extending the existing trail and providing an overlook will give trail users a better view of the existing scenic cascade. See Detailed Plan #3.

Property of Mayfield Village
 School Property
 Mayfield Village Easement

Proposed 10' Multipurpose Trail
 Proposed 10' Trail Connector Option
 Existing Trail



Proposed Green Corridor Masterplan - Segment D



Properties Trail Passes Through:

Mayfield Village Properties
Skoda Minotti



The proposed street crossing across Beta Drive will need appropriate vertical signage and pavement markings to alert vehicles and trail users.



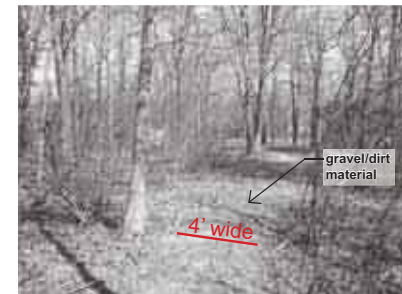
The proposed trail and optional trail connector will link trail users to the recently constructed Upper 40 stream and floodplain restoration.

Proposed Green Corridor Masterplan - Segment E



Properties Trail Passes Through: Mayfield Village Properties

Segments of the existing pedestrian network are currently paved with gravel and provide a 4' scenic route for pedestrians, but are difficult for bicyclists. Converting these paths to a 10' wide asphalt trail will accommodate both pedestrians and bicyclists.



Current 4' wide pedestrian gravel path



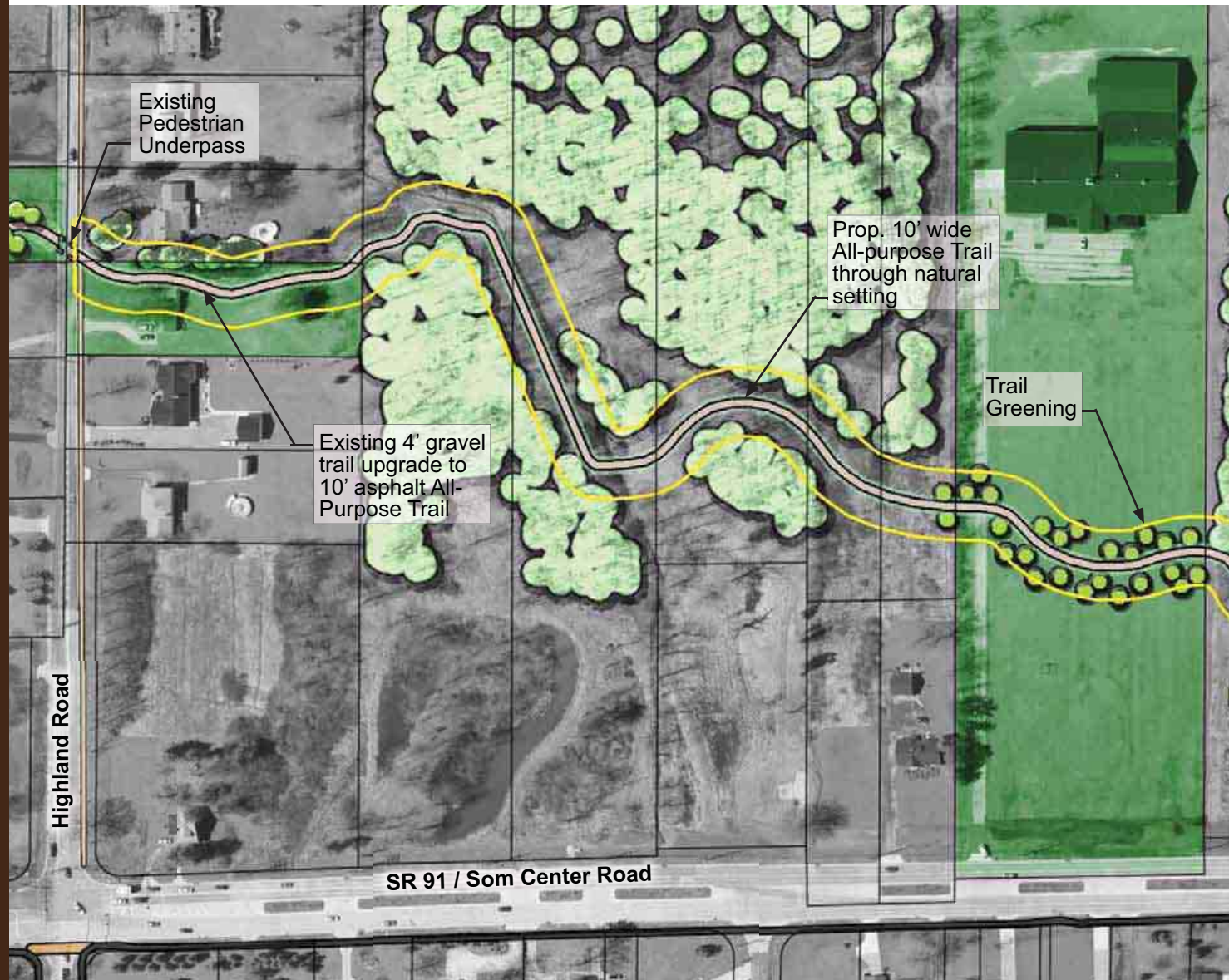
Proposed 10' All-Purpose asphalt trail

- Property of Mayfield Village
- School Property
- Mayfield Village License Agreement

- Proposed 10' Multipurpose Trail
- Proposed 10' Trail Connector Option
- Existing Trail



Proposed Green Corridor Masterplan - Segment F1



Properties Trail Passes Through:
Mayfield Village Easements
Mayfield Village Properties



The proposed trail will connect to two pedestrian underpasses; one under SOM Center Road and the other under Highland Road.



Adding trees along the trial will provide a shady route, act as green buffer, and provide environmental benefits such as reducing the urban heat island and providing natural infiltration.

- Property of Mayfield Village
- School Property
- Mayfield Village License Agreement

- Proposed 10' Multipurpose Trail
- Proposed 10' Trail Connector Option
- Existing Trail



Proposed Green Corridor Masterplan - Segment F2

The proposed upgraded trail will link trail users to the recently constructed restored wetlands, the Mayfield Village Ballfields, Parkview Pool, and the surrounding trails.



- Property of Mayfield Village
- School Property
- Mayfield Village License Agreement

- Proposed 10' Multipurpose Trail
- Proposed 10' Trail Connector Option
- Existing Trail



Detailed Plan #1- The Civic Center Bioswales & Raingardens



■ Property of Mayfield Village
■ School Property
■ Mayfield Village Easement

— Proposed 10' Multipurpose Trail
— Proposed 10' Trail Connector Option
— Existing Trail



Existing Civic Center parking lot



Parking lot raingarden, Youngstown OH



Neighborhood raingarden, Cuyahoga Falls OH



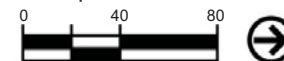
Roadside bioswale, Indianapolis IN

Bioswales and Raingardens would occur at the Civic Center, integrated with the parking lot and entrance landscaping.

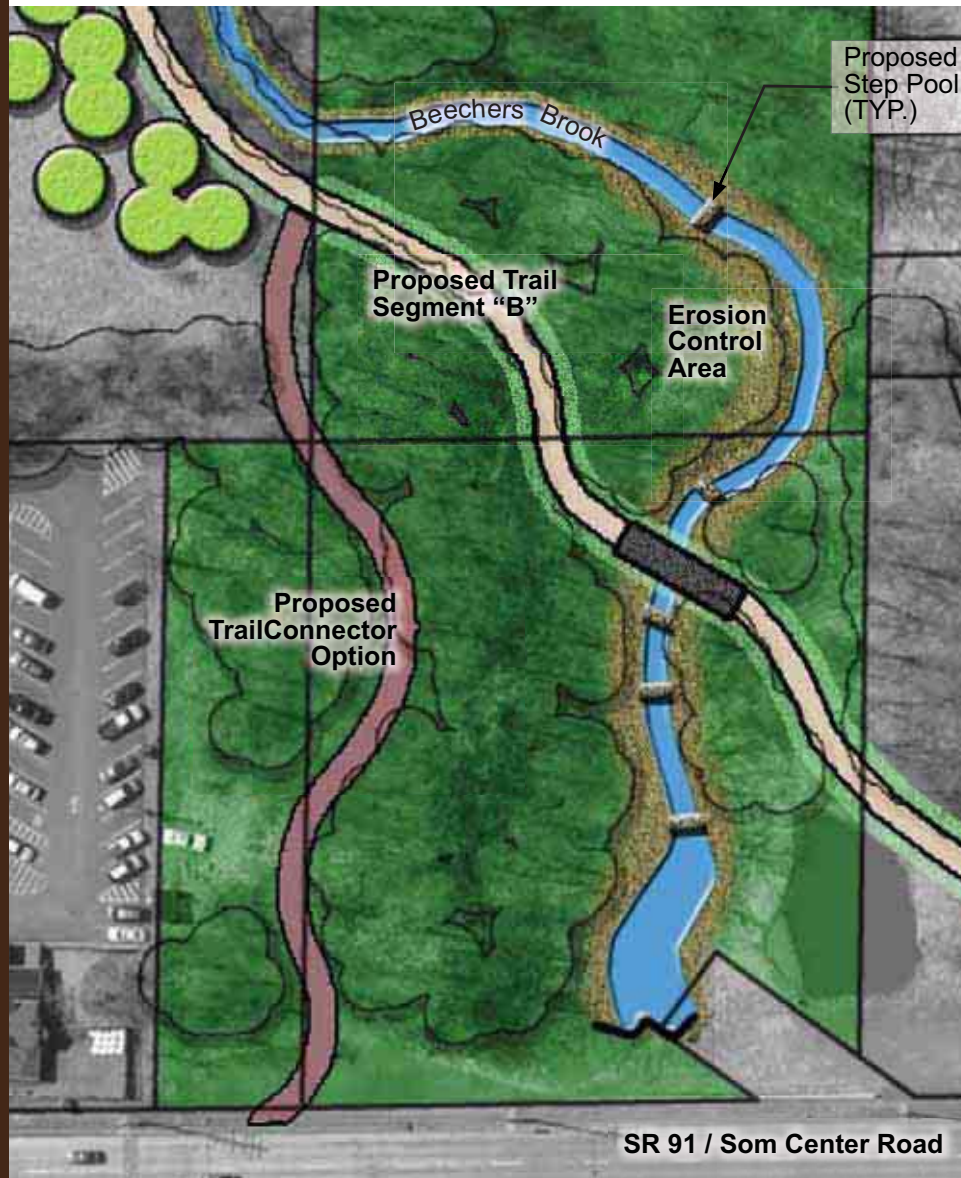
Bioswales and Raingardens are highly engineered bioretention areas designed to use plants as tools to soak up runoff from the nearby impermeable surfaces; the parking lot, road and roof surfaces.

Benefits of Bioswales & Raingardens:

- Provides natural on-site infiltration
- Recharges groundwater & enriches soils
- Creates habitat for wildlife
- Native plants are low maintenance
- "Green" entrance landscaping makes a statement of a progressive community
- Parking lot beautification
- Possible reduction of upcoming sewer fees (see Appendix B)



Detailed Plan #2 - Beecher's Brook Stream Restoration



Measures proposed to address severe bank erosion and stream downcutting in the Beechers Brook corridor are envisioned as a variety of natural channel techniques including bank stabilization, step pools, and regrading of the stream bottom.

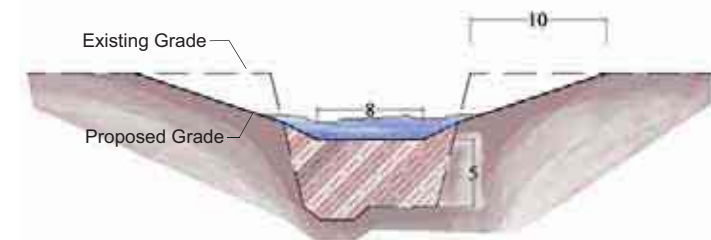
Restoration of the stream corridor would reduce erosive velocities, stabilize eroding stream banks, enhance wildlife habitat, and enhance scenic views in this open space corridor.



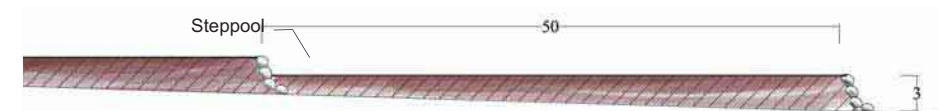
Approximately 450 LF of stream bank are severely eroded



Constructed steppool will restore stream to grade



Beechers Brook Restoration Section

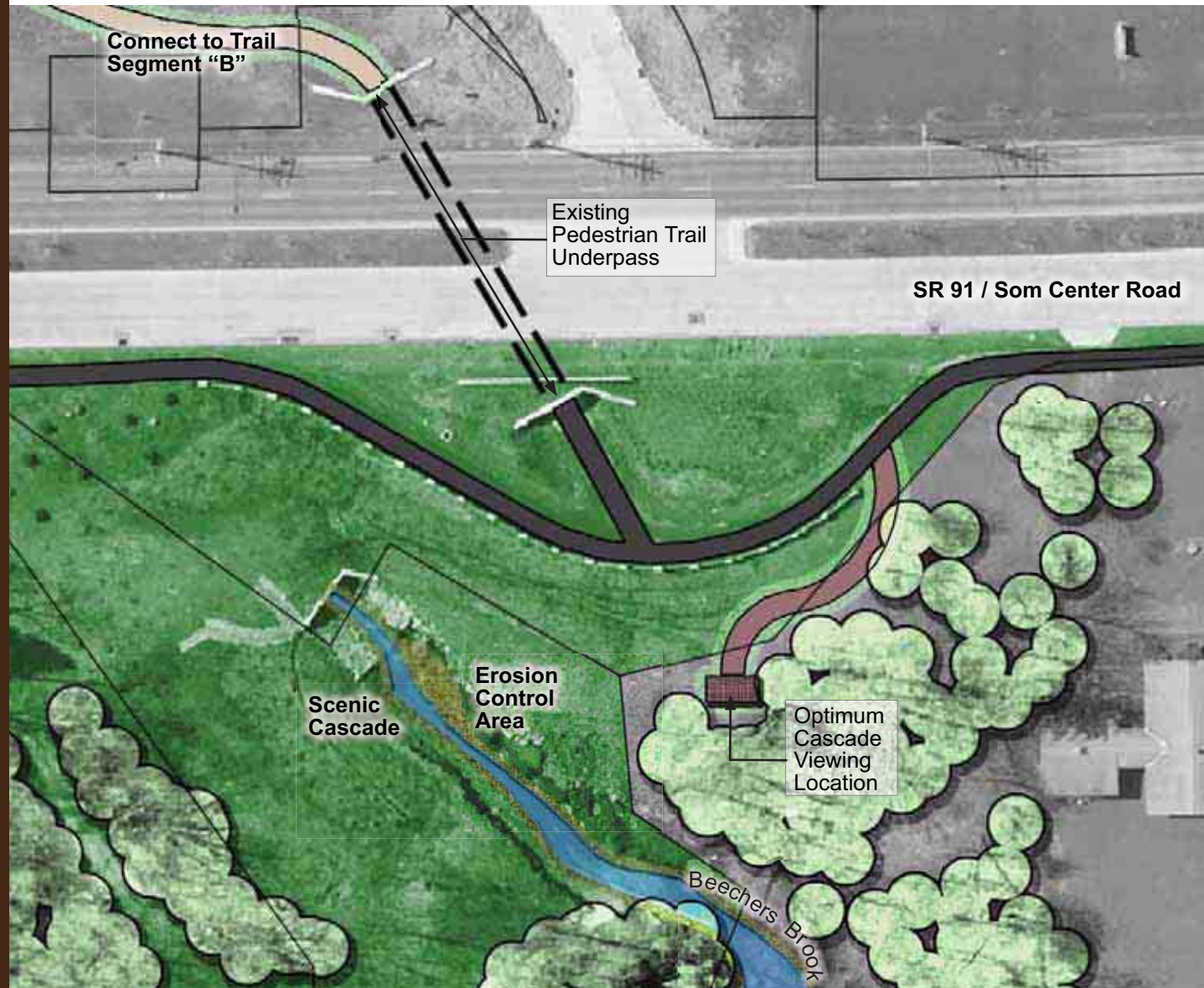


Beechers Brook Restoration Profile

- Property of Mayfield Village
- Erosion Control Area
- Proposed 10' Multipurpose Trail
- Proposed 10' Trail Connector Option



Detailed Plan #3 - Cascade Overlook & Erosion Control



■ Property of Mayfield Village
■ School Property
■ Mayfield Village Easement

— Proposed 10' Multipurpose Trail
— Proposed 10' Trail Connector Option
— Existing Trail



The scenic cascade is a focal point along the Green Corridor, however currently trail users cannot easily access the scenic view. A trail extension leading to an overlook allow trail users to enjoy their local natural scenery.



Proposed cascade overlook will provide the opportunity for trail users to enjoy the scenic views

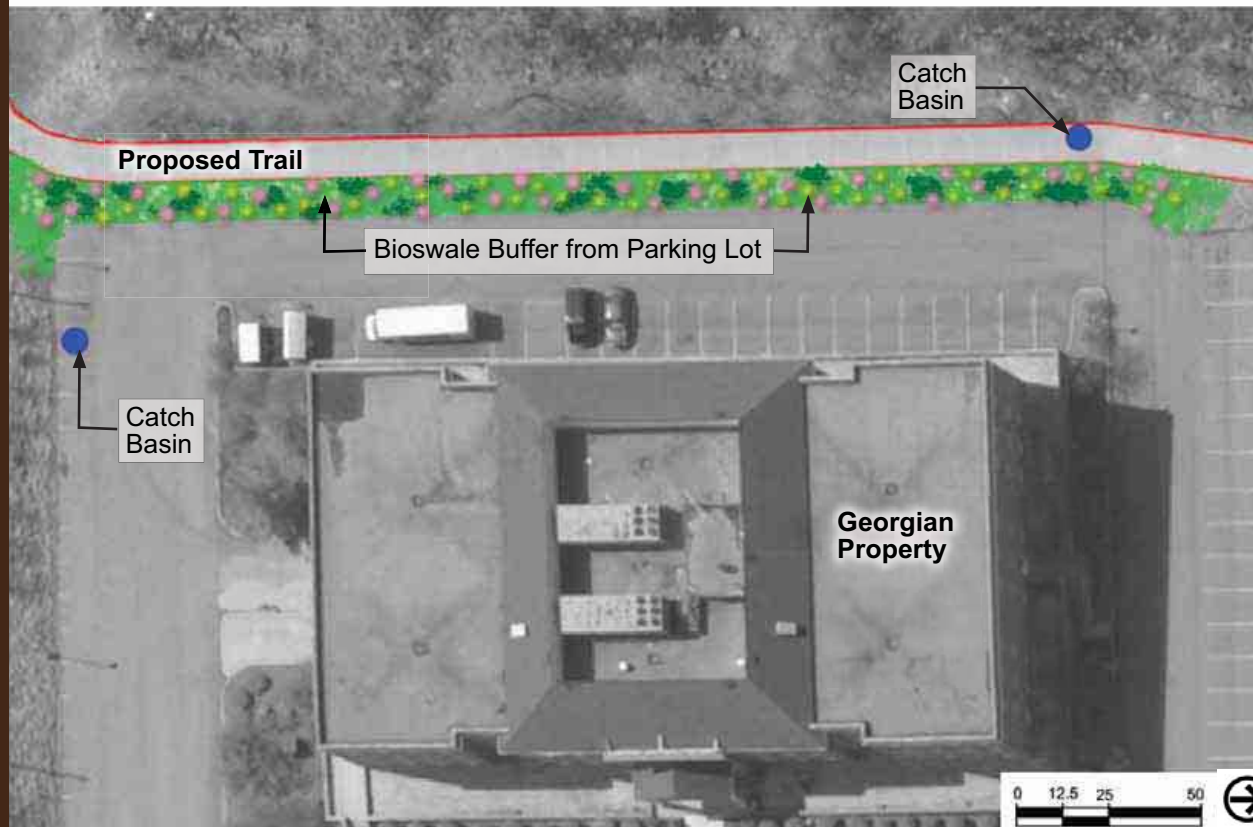


Scenic cascade is a focal point along the Green Corridor



Existing eroded banks at the cascade to be enhanced

Detailed Plan #4 - Parking Lot Bioswale Buffer



A 10' vegetated buffer next to the trail between the pedestrians and the vehicles will provide a safe distance from traffic and create a more lush atmosphere for trail users.

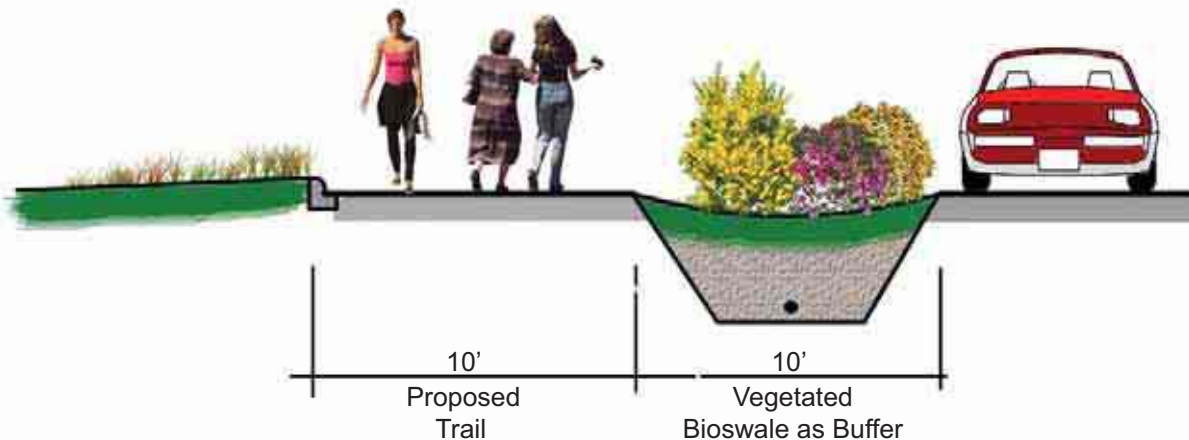
The buffer as a bioswale will capture runoff, recharge groundwater, and cleanse the water from pollutants coming off of the asphalt.



Example of vegetated parking lot buffer



Example of parking lot bioswales



Detailed Plan #5 - Amphitheater Design



An amphitheater and sculpture walk will provide visual and performing arts opportunities in Mayfield Village.

With room for over 700 visitors, the amphitheater would become a cultural destination spot along the Green Corridor. Community artists as well as outside performers would bring culture and arts to Mayfield Village.

When not functioning as a performing arts venue, the sculpture walk would act as a community park.

The amphitheater would be easily accessed by car, bike, or public transportation.

