



# Three Creeks Trail Plan

Pigeon Creek, Wolf Creek and Silver Creek

March 13, 2015

# ACKNOWLEDGMENTS

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GREATER AKRON RUGBY FOUNDATION

OHIO & ERIE CANALWAY COALITION

WHEELING LAKE ERIE RAILROAD

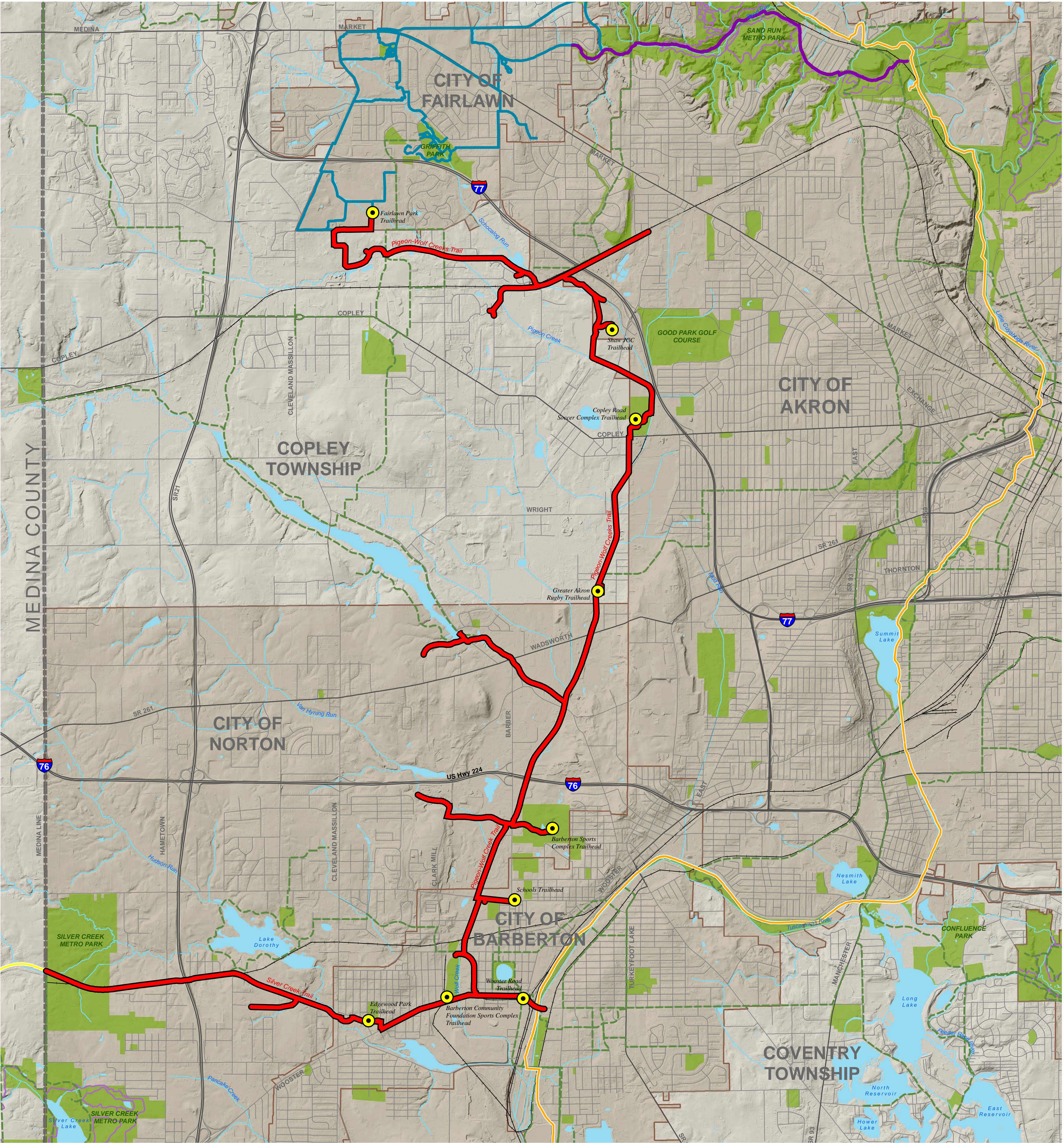
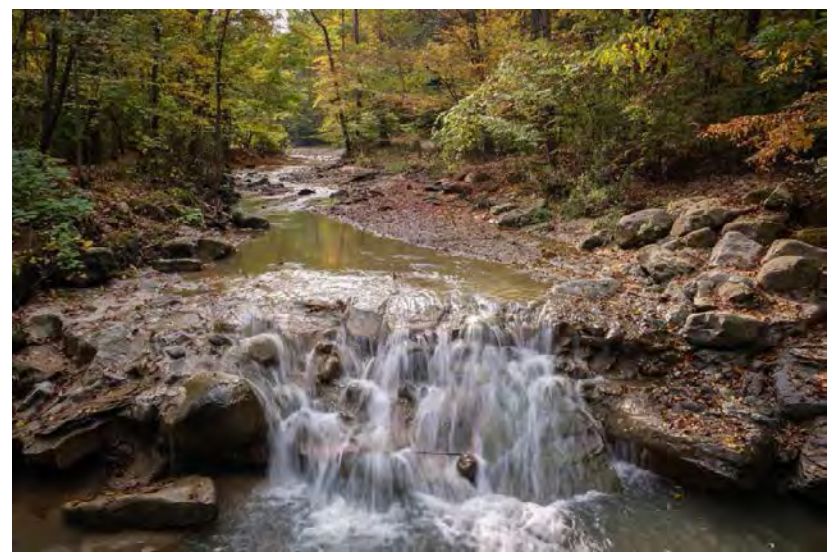
OHIO EDISON



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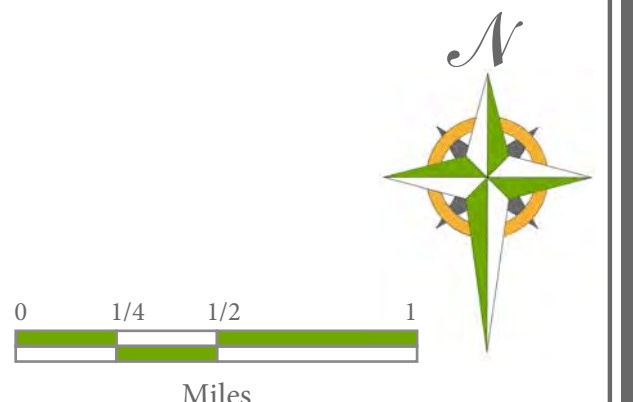


**LEGEND**

- Trailheads
- Ohio & Erie Canal Towpath Trail (Existing)
- Summit Co. Trail & Greenway Plan Trails
- Proposed Three Creeks Trail
- Connector Trail to Wadsworth
- Jogging Trail Connector
- Proposed Fairlawn Trail Plan
- Summit County Metro Parks Trails
- US Routes/Interstate
- State Routes
- Roads
- Railroad
- Park
- Reservoir
- Streams
- County Boundary
- Incorporated Area
- Township

Environmental DesignGroup

# THREE CREEKS TRAIL PLAN



**Summit Metro Parks**





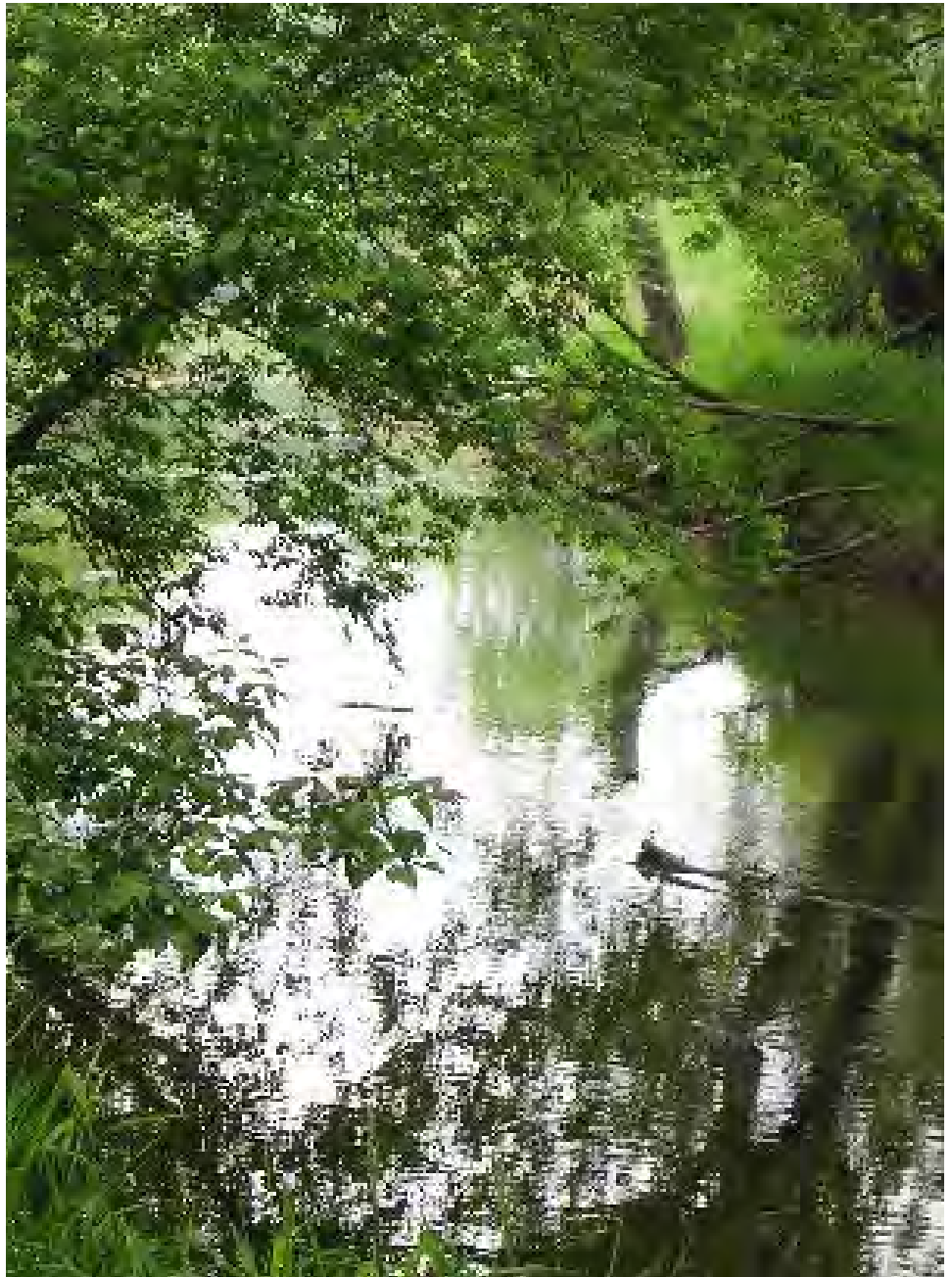
In 2001, the Summit County Trail Plan was completed, spurring a partnership between the cities of Barberton, Norton, Akron, Fairlawn and Copley Township. Since that time, these communities have been working collaboratively to acquire land and implement greenway and riparian protection of the Pigeon Creek and Wolf Creek Corridors. Several parks and community amenities have been developed along the corridor beginning with the critical links; the completion of the Ohio and Erie Canal Towpath Trail for the entire length of Summit County and connection to it along the Robinson Avenue Bridge. Other improvements include the Barberton City Sports Complex and the Barberton Schools Sports Complex along Wolf Creek, the Greater Akron Rugby Foundation and the Copley-Akron Soccer Complex along Pigeon Creek, the Akron Jewish Center along Schocalog Run and Fairlawn City Park at the northern end of the corridor. The city of Fairlawn is currently developing a citywide trail master plan which is intended to connect Fairlawn City Park to Sand Run Metro Park which in turn connects back to the Ohio and Erie Canal Towpath Trail. Summit Metro Parks recognizes the need for more multi-purpose trails on the west side of Summit County and would like to foster relationships in those cities to make new multi-purpose trails a reality.

Summit Metro Parks recently acquired approximately 480 acres of land just north of the existing Silver Creek Metro Park. These parcels are bisected by the Northern Ohio Traction Company's abandoned interurban (now owned by First Energy) and the active Akron Barberton Cluster railroad which runs eastward through the cities of Norton and Barberton.

In order to further advance the collaborative efforts of the cities of Barberton, Norton, Akron, Fairlawn and Copley Township as well as build upon the recent addition to Silver Creek Metro Park, Summit Metro Parks engaged Environmental Design Group to develop this trail plan for the Three Creeks Trail network. The Pigeon Creek/Wolf Creek corridor has been recognized as a priority of the Summit County Trail Plan that interconnects community resources along the Wolf Creek and Pigeon Creek corridor and increases connectivity to the existing Silver Creek Metro Park and City of Wadsworth in neighboring Medina County through planning efforts within that county.

The majority of the proposed trails follow abandoned railroad right-of-ways, which can for much of the route be placed directly within those alignments. Exceptions occur where the rail bed is no longer available due to changes in land use or ownership. In those cases there are suitable alternatives to pursue a separate trail either at the edge of existing public road right-of-ways, within existing power line corridors or private open space. Except for the previously mentioned public lands, access to the corridor will need to be negotiated with the current land owners. In the case of the public road right-of-ways, approval by the State, County or local community would be required.

The following summarizes the trail alignments for each segment of the Three Creeks Trail Plan. There are two primary segments, as well as seven connectors. One of these primary segments is the Pigeon-Wolf Creeks Trail. It begins in Downtown Barberton and heads north, following Wolf Creek, Pigeon Creek and Schocalog Run until its terminus in Fairlawn. This route mainly follows the Akron and Barberton Belt Railroad's (predecessor to the Akron Barberton Cluster Railroad) abandoned railroad bed. The other primary segment is the Silver Creek Trail. It also begins in Downtown Barberton, but heads west toward Silver Creek Metro Park where it terminates at the recently acquired Summit Metro Parks property and connects into Medina County. In addition, as was previously mentioned, this route follows an abandoned interurban right-of-way now owned by First Energy.





## A. DOWNTOWN BARBERTON SEGMENT

The Pigeon-Wolf Creeks Trail of the Three Creeks Trail Plan begins in downtown Barberton at the Robinson Avenue Bridge. This existing bridge and future trailhead will provide a vital connection between the Three Creeks Trail Plan and the existing Ohio and Erie Canal Towpath Trail. At the time of this report, Akron Metropolitan Area Transportation Study (AMATS) is currently studying how the Wooster Road corridor might be redeveloped for the inclusion of alternative transportation methods from Robinson Bridge to 5th Street. The Pigeon-Wolf Creeks Trail plans to parallel adjacent to Wooster Road as a sidepath (a.k.a. widened sidewalk) from 5th Street to 8th Street. In order to accommodate the development of a sidepath, Wooster Road would need to be reconfigured from a four-lane to a three-lane road. The sidepath would be located along the northern side of the road. A traffic study has not been performed as part of this study, but would be needed to confirm the feasibility of narrowing the roadway. For the Pigeon-Wolf Creeks Trail, the sidepath turns northward from Wooster Road mid-way between 8th Street and 9th Street to follow the abandoned railroad line. Existing land use encroachments and access would need to be coordinated with adjacent property owners to provide enough space for the trail with proper buffers. The abandoned railroad bed then sweeps west and connects to the Barberton City Sports Complex (Sports Complex) using an existing railroad bridge. This bridge would be re-decked for reuse. The Sports Complex parking lot would be used as a trailhead parking area if additional signage and a kiosk are added.





## **B. WOLF CREEK SEGMENT**

The Pigeon-Wolf Creeks Trail then crosses Hopocan Avenue with a signed crosswalk and flashing light and continues to follow the abandoned rail line. It passes beneath a rail line operated by the Akron Barberton Cluster Railway Company and passes by a popular fishing spot on Wolf Creek before reaching Brady Avenue. Developing formal fishing access spots in this area would prevent overuse and deterioration of the riparian edge. The trail then crosses Brady Avenue at a signed crosswalk and continues within the old rail right-of-way toward Norton Avenue.



### **B-1 BARBERTON SCHOOLS CONNECTOR**

The Barberton Schools Connector is a spur off the Pigeon-Wolf Creeks Trail. It is a sidepath that begins at the Norton Avenue Bridge and heads east toward 4th Street connecting with Stark State College, Decker Park, Barberton High School and Barberton Middle School. The right-of-way along this two-lane section of Norton Avenue is 50-feet. In order to accommodate the sidepath, the existing two lanes on Norton Avenue would be narrowed to a maximum of 12-feet. There would then be a residual 26-feet available within the right-of-way to develop the sidepath.



From Norton Avenue, the Pigeon-Wolf Creeks Trail crosses Wolf Creek on a proposed sidepath on the existing Norton Avenue Bridge. The existing two lane road with a right-of-way of 50-feet would need to be narrowed to a maximum of 12-feet per lane, leaving 26-feet for the sidepath. The trail then crosses Norton Avenue with a signed crosswalk with flashing signal and continues north within a power line easement along the west bank of Wolf Creek. Several drainage crossings would need to be constructed between Norton Avenue and Barber Road, including one 50-foot pedestrian bridge over Van Hyning Run and one 100-foot pedestrian bridge over Wolf Creek. Except for the several drainage crossings, the trail can easily be constructed within the rather large field area near Wolf Creek.

### **B-2 BARBERTON SPORTS CONNECTOR**

The Barberton Sports Connector is a spur off the Pigeon-Wolf Creeks Trail. It begins on the east side of Barber Road and heads east, following the edge of a privately owned property and skirting any wetlands that may exist there. The trail then enters the Barberton School District property and follows an existing access road that could be repaved/re-graded for trail use. The connector trail then terminates at the Barberton Schools Sports Complex baseball field parking area that may also be used as a Three Creeks trailhead with the addition of appropriate signage.





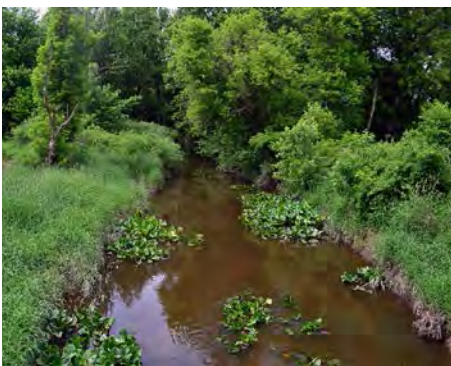
### **B-3 VAN HYNING RUN CONNECTOR**

The Van Hyning Run Connector is a spur off the Pigeon-Wolf Creeks Trail that connects to the neighborhood to the east. It begins on the west side of Wolf Creek, before the pedestrian bridge that connects the trail to Barber Road. This connector will head west, following proposed sewer improvements for the area and utilizing City of Norton property. There is one drainage crossing of Van Hyning Run with a 75-foot pedestrian bridge. The trail will cross Clark Mill Road with a signed crossing, then become a sidepath on Clark Mill Road until it reaches Van Hyning Run. At this point it will turn west and follow the Run toward a Waste Water Treatment Plant that is planned for future demolition. Modification to the existing grades near the waste water treatment plant may be necessary to provide a maximum trail slope of five percent. The trail will then utilize the existing waste water treatment plant access road as a connection to the adjacent neighborhood.

Once the Pigeon-Wolf Creeks Trail reaches Barber Road, it will cross the road with a crosswalk and flashing light. The trail then continues north, following the former rail right-of-way on the east side of Wolf Creek that has been converted to an access road. One land owner currently controls the old rail right-of-way from Barber Road to Summit Road. It is essentially clear of impediments to trail development. The underpass at I-76 provides adequate room for trail development between the abutment and Wolf Creek. Two utility lines exist within the highway right-of-way that would need to be protected. At the Ohio Edison substation south of Summit Road controls are needed to restrict access to the substation from the trail. This could be in the form of a landscape barrier. The trail will then cross Summit Road with a signed crosswalk and continue north along the former rail right-of-way. The right-of-way between Summit Road and Wadsworth Road is owned by the City of Norton.

### **B-4 BARBERTON RESERVOIR CONNECTOR**

The Barberton Reservoir Connector is a spur off the Pigeon-Wolf Creeks Trail. It begins just north of Summit Road near the confluence of Wolf Creek and Pigeon Creek. A 60-foot pedestrian bridge crosses Pigeon Creek and directs the spur west along the northern side of Wolf Creek. Land use will need to be coordinated with at least one private property owner as the trail skirts several private properties and moves toward Wadsworth Road. The trail crosses Wadsworth Road with a signed crosswalk and continues to follow Wolf Creek at the edge of existing fields until it reaches Summit Road, northwest of the Barberton Water Treatment Plant. The trail crosses Summit Road with a signed crosswalk and enters the City of Barberton Reservoir property. An 80-foot pedestrian bridge crosses Wolf Creek and the trail curves up the hillside with a maximum slope of five percent and connects to an adjacent neighborhood at both Carillon Drive and Rich Road.



### C. PIGEON CREEK SEGMENT

The Pigeon Creek Segment of the Pigeon-Wolf Creeks Trail begins at the intersection of the Wolf Creek Segment and the Barberton Reservoir Connector. It follows the former rail right-of-way along the east side of Pigeon Creek on the City of Norton property and moves north. Within this segment surface drainage crosses the trail in a few areas that will require culvert controls. A high quality wetland exists just north of Summit Road. Visual access from the trail is encouraged and if possible, in the future, a boardwalk loop would be appropriate. The trail crosses Wadsworth Road with a signed crosswalk and enters the Greater Akron Rugby Foundation property which continues until Knox Boulevard. The trail in this area is located in the old rail right-of-way which is currently serving as an access drive for the Akron Rugby Club. The existing drive surface would require refinement as well as a guardrail on either side to meet current AASHTO regulations for trails with a side slope greater than 3:1 and a vertical drop over six-feet. A proposed alternative drive will provide access for the Akron Rugby Club from Knox Boulevard which will include a 42-car parking lot for the Akron Rugby Club and a 42-car parking lot and trailhead for Summit Metro Parks. Coordination between the Greater Akron Rugby Foundation and Summit Metro Parks will be required.

The trail then crosses Knox Boulevard with a signed crosswalk and continues north within the old rail right-of-way owned by Copley Township. Just north of Knox Boulevard the trail is located between Pigeon Creek and an extensive wetland area. Raising the trail bed in this area will need to take the wetland into consideration to avoid impacts to the wetland and the creek. Just north of this area is the Cavanaugh Building Company yard. Coordination with this adjacent landowner will be needed to reposition their waste and stockpiles that are encroaching on the right-of-way. Low fencing is suggested from this area north to Wright Road to control access and to define the right-of-way for the several adjacent uses in this area. The trail crosses Wright Road at a signed crosswalk and continues north in the right-of-way owned by Copley Township. The trail between Wright Road and Collier Road passes by the rear and side yards of several residences and a commercial produce operation. Encroachment onto the right-of-way occurs in both areas. Coordination in clean up of out-buildings and yard waste is needed. A low fence and a landscape barrier is recommended to buffer uses and to control access.

Once the trail reaches Collier Road it becomes a sidepath and utilizes the existing bridge to cross Pigeon Creek. The existing bridge is 42-feet wide and the two-lane road would need to be reconfigured to allow for sidepath development. The trail follows the western edge of the right-of-way to the Copley Road intersection. The old rail right-of-way in this area is occupied by a commercial building at its intersection with Copley Road, eliminating its potential for extension of the trail. Coordination with the County Engineer is needed to assess relocation of the roadside drainage channel, repositioning of drive crossings for the several west side businesses in this area and installation of traffic control signage. The trail in this area is proposed to be separated from the roadway by the intervening drainage channel. The trail crosses Copley Road at the existing signaled crossing. A pedestrian actuator and signals will be added for the crossing.



North of Copley Road the trail passes through City of Akron’s Copley-Akron Soccer Complex. The trail is located in the natural area to the east, at the edge of the fields. The existing parking lot may be shared as a trailhead parking area. An informational kiosk is needed to orient trail users. The complex is gated during non-play hours and so coordination with Akron is needed, if the parking lot is to be made accessible to trail users. At the northeast corner of the site the trail continues along the western edge of Pigeon Creek until the Creek turns west and the trail crosses the creek with a 45-foot pedestrian bridge. It then continues along the northern edge of Pigeon Creek toward White Pond Drive where it crosses with a signed crossing and follows the creek until it reaches Boughton Farm and turns north toward the Akron Jewish Center. As the trail passes the Akron Jewish Center, a short spur connects the Akron Jewish Center as well as Summa Health Center and an apartment complex. North of the Akron Jewish Center the trail will be routed through the woods to limit impacts to the surrounding environment and a 60-foot pedestrian bridge is used to cross Schocalog Run and connect to Park West Corporate Center.





## **D. SCHOCALOG RUN SEGMENT**

The Schocalog Run Segment of the Pigeon-Wolf Creeks Trail begins at the Park West Corporate Center and is to be developed within the Park West open space. Coordination with the developer will be required. The trail then heads north toward the Wheeling & Lake Erie Railroad where it will follow a power line easement to the south of the rail line passing several privately owned properties. At Schocalog Run a pedestrian crossing is needed such as an extension of the rail culvert. The trail then continues to its intersection with Schocalog Road and the existing rail crossing.



### **D-1 AKRON CONNECTOR**

The Akron Connector is a spur off the Pigeon-Wolf Creeks Trail. It begins where the Pigeon-Wolf Creeks Trail meets with the Wheeling & Lake Erie Railroad, south of Frank Boulevard. The at-grade trail turns northeast, paralleling the railroad and a power line easement beneath the existing I-77 overpass. The usable space between the overpass support columns and the railroad is limited and may require a restricted use allowance for an eight-foot wide trail for approval by AASHTO. With an increased cost, the trail could be benched into the railroad embankment with a wall to achieve a ten-foot wide trail. Utilizing an existing access drive, the trail continues northeast until it intersects with White Pond Drive where it will improve the existing at-grade railroad crossing to cross Frank Boulevard and connect to Akron's existing city sidewalk system.



### **D-2 COPLEY CONNECTOR**

The Schocalog Run Connector is a spur off the Pigeon-Wolf Creeks Trail. It begins west of Schocalog Road and follows a power line easement south of the Wheeling & Lake Erie Railroad. The trail turns south and crosses Pigeon Creek utilizing an existing culvert from the demolished Waste Water Treatment Facility on the west side of Pigeon Creek. The trail then continues southwest to connect to the adjacent residential areas on both Aberth Drive and Kirkwall Drive.

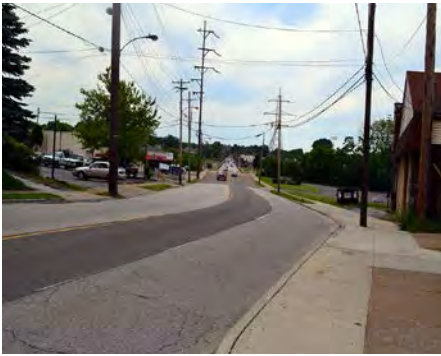
At the intersection of the trail and Schocalog Road, the trail will use the existing rail crossing, modified for the additional width needed for the trail and continue at the eastern edge of the road right-of-way until it reaches Discovery Montessori School. Here, it will cross Schocalog Road with a signed crosswalk and enter a City of Akron owned property. A 50-foot pedestrian bridge will be used to cross Schocalog Run and enter the Stone Creek homeowners association open space parcel, eventually passing Schocalog Lake. The lake and adjacent lands are used by the homeowners association for recreational purposes. The trail will be a welcomed amenity for the community and could include an overlook at the northwest edge of the lake.

The trail continues west through several privately owned properties to again meet with Pigeon Creek and cross Jacoby Road with a signed crossing. A couple drainage crossings would need to be constructed west of Jacoby Road as the trail continues with a maximum slope of five percent. The trail passes a Hospice Care Center with existing walking trails and a private pond that will be connected to. To the southwest of the Hospice Care Center the trail follows an existing clearing through the woods and crosses a private drive with a signed crossing. From there, the trail turns north and borders a private property until it reaches Ridgewood Road. In this section, the trail will require construction of a couple of new culvert drainage crossings.

Once the trail reaches Ridgewood Road it will connect to a future planned signalized intersection at the main entrance to Fairlawn Corporate Park. The Corporate Park is linked to Fairlawn's citywide trail which is currently being developed. It is intended to connect the Three Creeks Trail users to Fairlawn City Park and eventually Sand Run Metro Park and The Ohio & Erie Canal Towpath Trail.







## **E. SILVER CREEK SEGMENT**

The Silver Creek Trail begins mid-block between 8th Street and 9th Street in Downtown Barberton and travels west toward Silver Creek Metro Park. From 8th Street to 25th Street the trail is a sidepath along the northern side of Wooster Road. In order to accommodate the development of a sidepath, Wooster Road would need to be reconfigured from a four-lane road to a three-lane road. A traffic study and coordination with adjacent private property owners would be required. The trail crosses 8th Street with a signed crosswalk and uses the existing Wooster Road Bridge to cross Pigeon Creek where it then connects to the Barberton City Sports Complex. The Sports Complex parking lot could be used as a trailhead parking area if additional signage and a kiosk are added. From the Sports Complex, the trail will use the existing rail crossing east of 14th Street, modified for the additional width needed for the trail. The trail then continues along Wooster Road as a sidepath using signed crosswalks at each intersection until it reaches 25th Street. At the intersection of Wooster Road and 25th Street the trail turns north up the east side of 25th Street as a sidepath for approximately one block. The trail crosses 25th Street with a signed crosswalk at the City of Barberton owned property adjacent to Edgewood Park and continues through the park at a maximum trail grade of five percent. As with the Sports Complex, the Edgewood Park parking lot could be used as a trailhead parking area if additional signage and a kiosk are added.

The trail then crosses the intersection of South Avenue and 27th Street with signed crosswalks to reach the Cedar Brook Apartment Complex and become an off road trail. The trail continues west through a vacant private property to reach a former Interurban rail abutment which will be reconditioned for use as a pedestrian bridge to cross Hudson Run. From there, the trail crosses 31st Street with a signed crosswalk and flashing light and connects to the former Interurban rail corridor. The trail follows the abandoned rail bed to an Ohio Edison substation and creates a spur to connect to a nearby residential neighborhood.

### **E-1 NORTON CONNECTOR**

The Norton Connector is a spur off the Silver Creek Trail. It begins at the Ohio Edison substation west of 31st Street and follows a power line easement through Ohio Edison property to reach both Hector Avenue and Roop Avenue.



From the Ohio Edison substation, the trail continues along the former Interurban rail bed. Near Rock Cut Road and Martin Avenue the trail will utilize abandoned Interurban bridge abutments to cross the active Akron Barberton Cluster Railway corridor with a pedestrian bridge of approximately 160-feet in length. The Interurban abutments may need to be repaired or replaced upon further investigation. As the trail continues along the Interurban alignment it parallels Dorothy Avenue and will repair/replace a former cattle crossing with a 14-foot pedestrian bridge. As the trail travels beneath the SR-21 overpass, construction of a culvert will be necessary in association with ditch filling between Dorothy Road and the SR-21 support columns. Dorothy Avenue may need to be reconfigured slightly within the existing right-of-way to permit adequate space for the trail.



Continuing along the Interurban alignment, the trail crosses Hametown Road with a signed crossing and carries on toward Medina Line Road. Within this segment surface drainage crosses the trail in a few areas that may require repair of existing culvert controls. The trail will also reach the newly acquired Summit Metro Parks property within this segment. At the west end of the property there is a larger drainage crossing which will require a 60-foot pedestrian bridge. The Silver Creek Trail will meet the trail coming from Medina County near where the City of Wadsworth is planning to build a trail along the former Interurban alignment. A trailhead could easily be created at this juncture on the Summit Metro Parks Property which has ample room for parking, facilities and trail amenities.



## **F. OWNERSHIP, MANAGEMENT & ACQUISITION STRATEGY**

It is suggested that the plan for implementing the trail remain a partnership effort. Development, maintenance, and management of each trail segment are suggested to be the responsibility of the community having jurisdiction. It is suggested that ownership of the right-of-way be extended to include lands that are currently privately owned through willing buyer- willing seller agreements. Where this is not possible long-term leases and/or conservation easements with public access rights should be negotiated.

### **CONSTRUCTABILITY**

Trail constructability is always a consideration and concern when developing trail alignments. Two primary factors were considered when evaluating trail sections: (1) is the land controlled publicly or privately, and (2) construction cost (environmental issues, ecological impacts, and earthwork/grading problems, etc.). Figure 1 - Constructability was developed to assist with understanding as to the level of challenges (acquisition, costs, permitting) related to the construction of different sections of the trail. In general, if a trail section was located on publicly controlled lands with straightforward construction, it was labeled “limited” for having few constructability issues. If a trail section contained only one of the two primary evaluating factors, it was labeled “moderate” for having some constructability issues. However, if a trail section contained both primary evaluating factors, it was labeled “difficult” for having more challenging constructability issues.

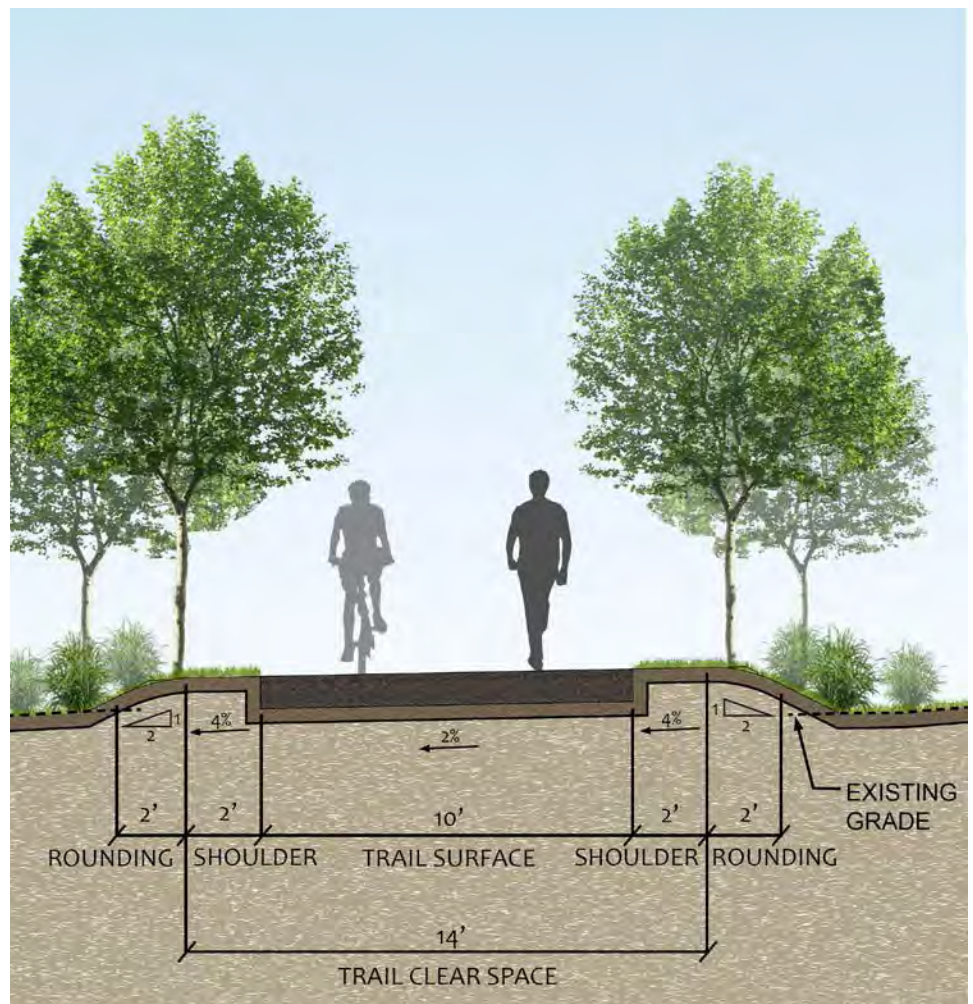






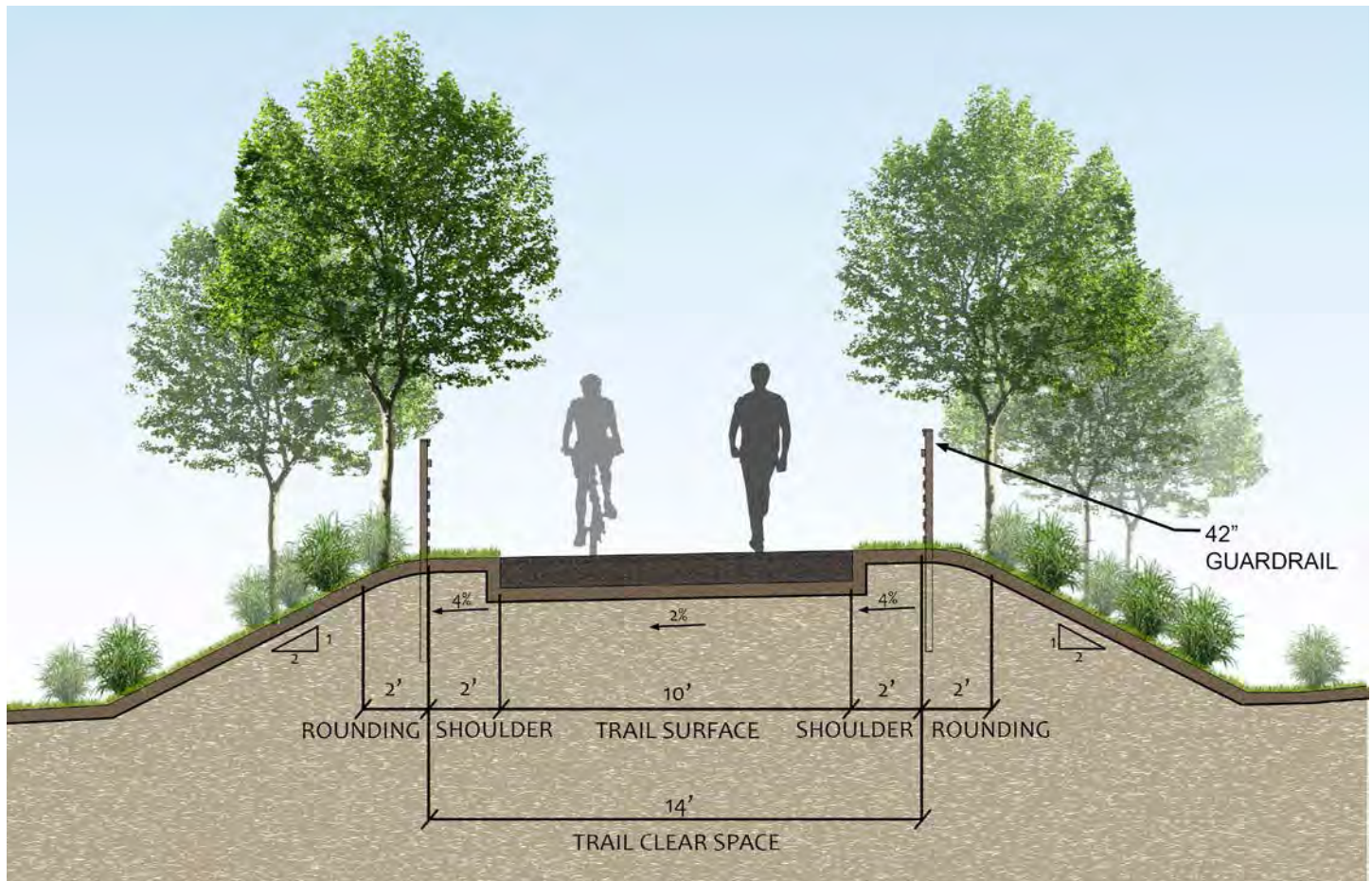
## TYPICAL OFF ROAD SECTION

In accordance with the mission of Summit Metro Parks to provide safe off road trails for their users, the majority of The Three Creeks trail is off road. In order to be eligible for federal funding, all trail sections are designed to comply with AASHTO standards. The typical trail section will have a ten-foot wide asphalt surface with a two-foot shoulder on either side. The slopes on either side will have a maximum slope of 2:1 with a two-foot rounding.



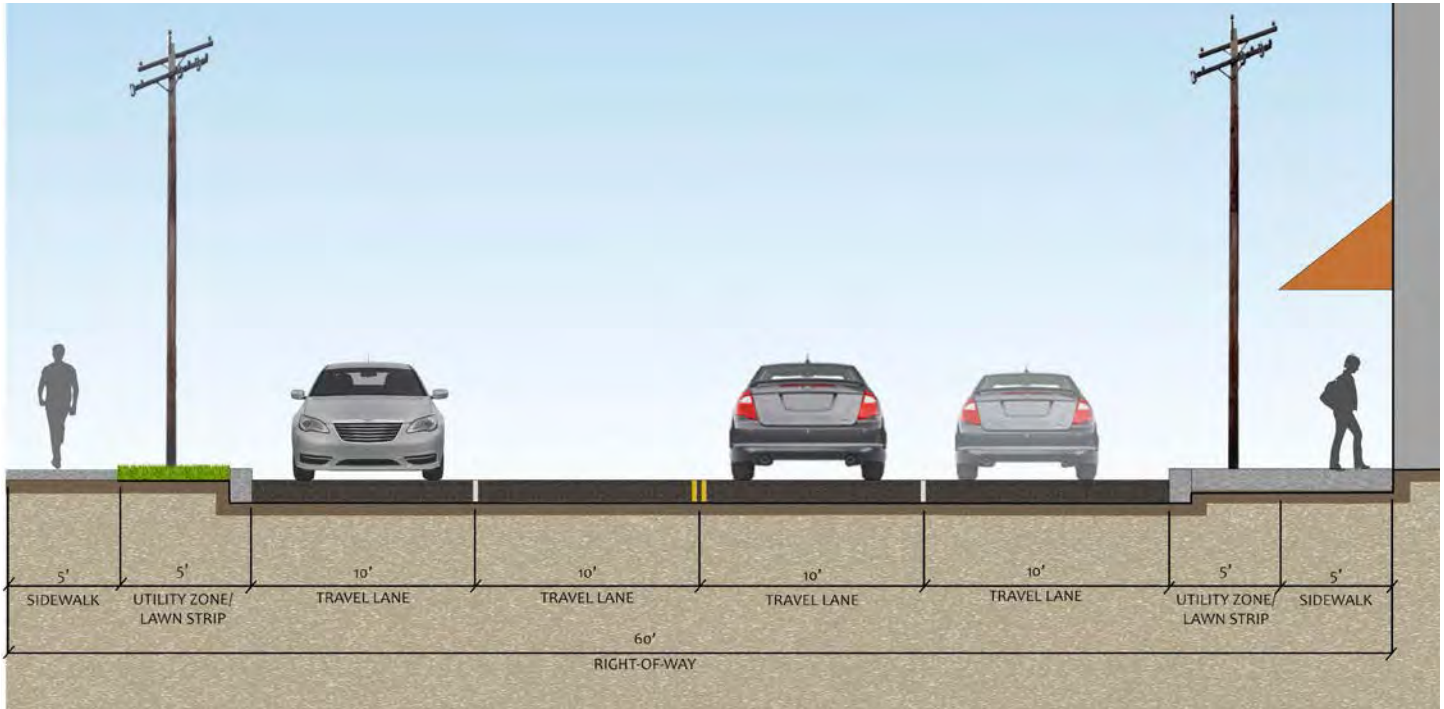
## GREATER AKRON RUGBY FOUNDATION SECTION

Within the Pigeon Creek Segment, near the Greater Akron Rugby Foundation and between Wadsworth Road and Knox Road, the existing conditions of the trail are unique to the rest of Three Creeks Trail. Here, the side slopes of the former rail bed often slope in excess of 3:1 with a vertical drop of six feet or greater. In order to comply with AASHTO chapter 5.2.1, this section of trail requires a barrier to be placed adjacent to the trail with a minimum lateral offset of one-foot. Based on the existing 18' width of the rail bed, this report recommends placing a 42" guardrail adjacent to the trail with a lateral offset of two-feet. This guardrail will protect users from steep slopes and discourage users from venturing into the potential adjacent wetlands.

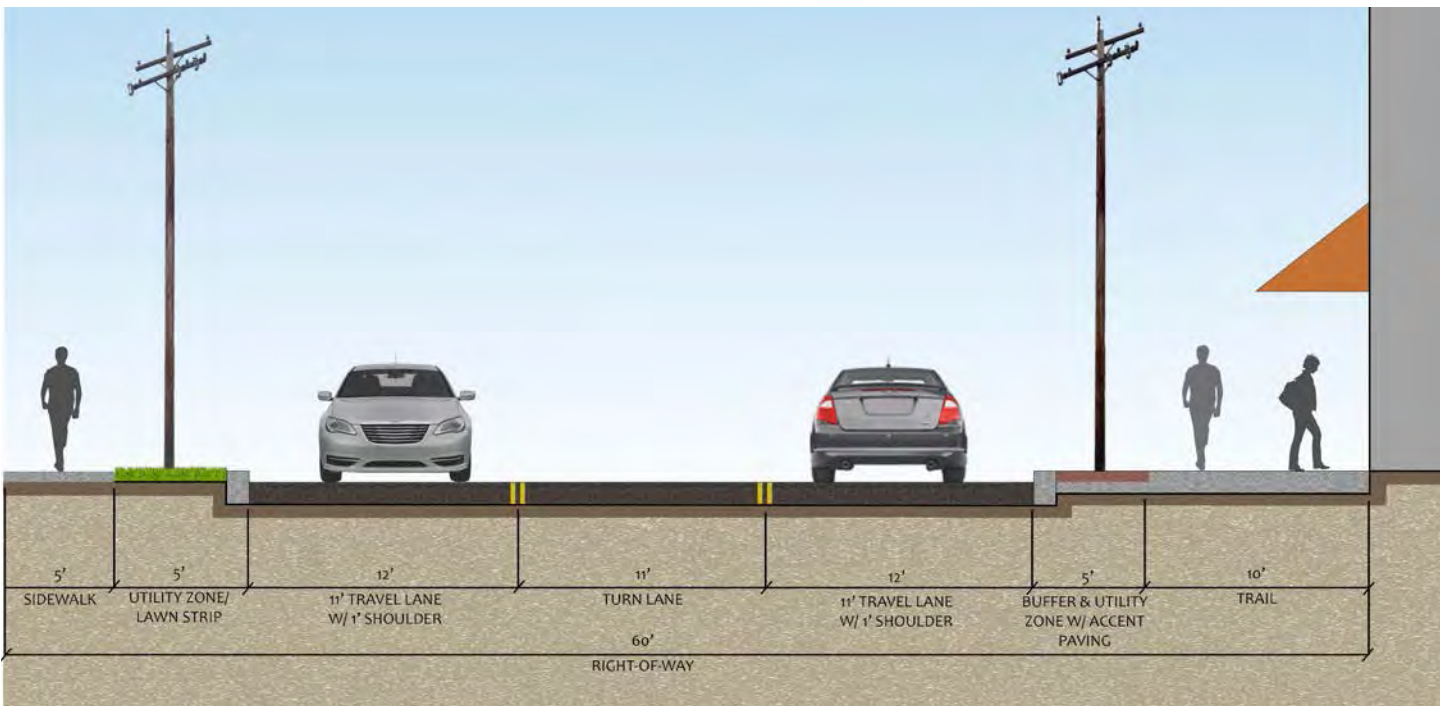




From Robinson bridge to 25th Street in Barberton, the trail will be a modified sidepath. It is proposed that the existing roadway with a 60 foot right-of-way be reconfigured from a four-lane road to a three-lane road with a five-foot buffer/utility zone and ten-foot wide trail. Typically, AASHTO requires a sidepath to include a two-foot shoulder which will be the standard on all other sidepaths within the Three Creeks Trail.



**WOOSTER ROAD SECTION - BEFORE**



**WOOSTER ROAD SECTION - AFTER**

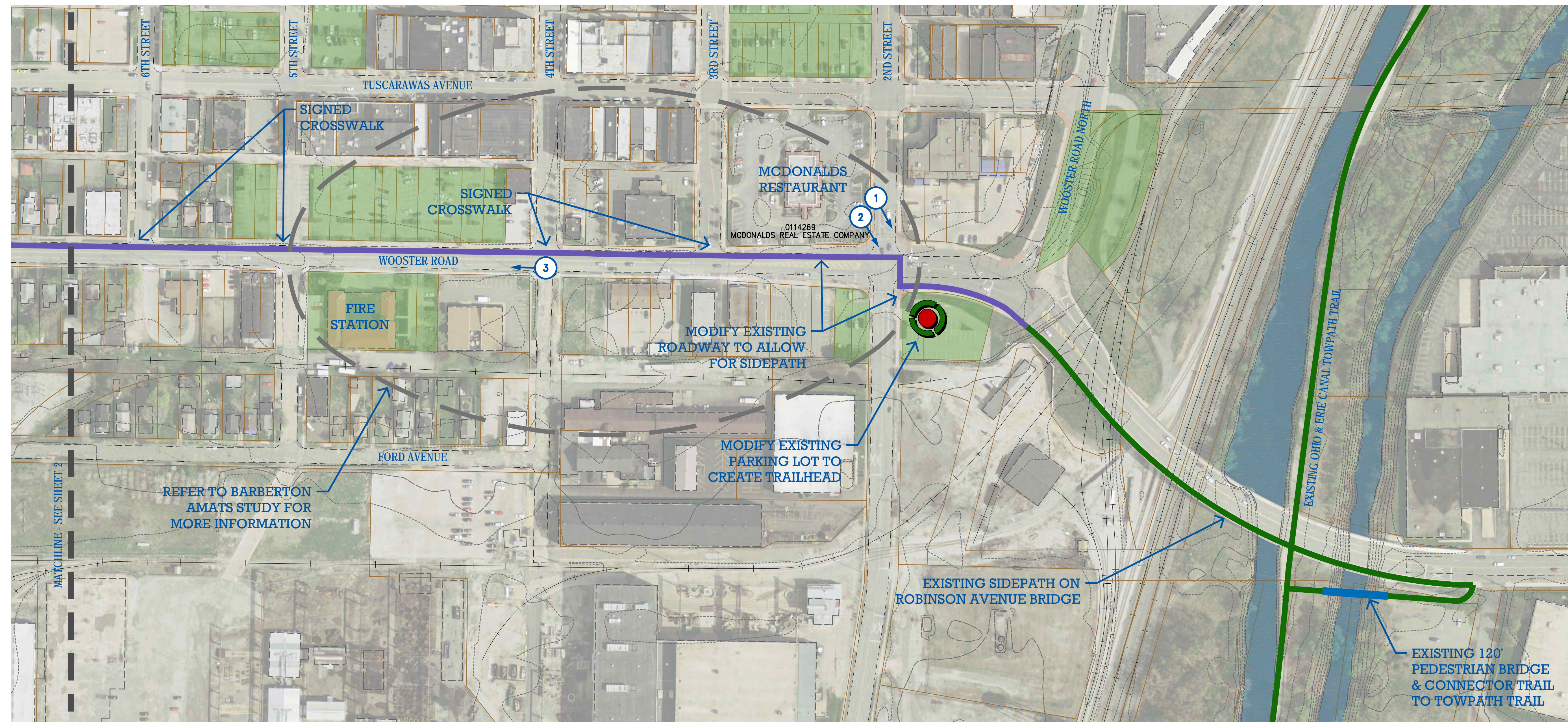


## APPENDIX B: PRELIMINARY TRAIL ALIGNMENT

The following sheets provide a feasibility study of the preliminary alignment of the Three Creeks Trail. As with the Trail Narrative, the preliminary alignment is broken down into two primary segments and seven connector trails. The Pigeon-Wolf Creeks Trail segment begins in Downtown Barberton and heads north, following Wolf Creek, Pigeon Creek and Schocalog Run until its terminus in Fairlawn. The Silver Creek Trail segment also begins in Downtown Barberton and heads west toward Silver Creek Metro Park.





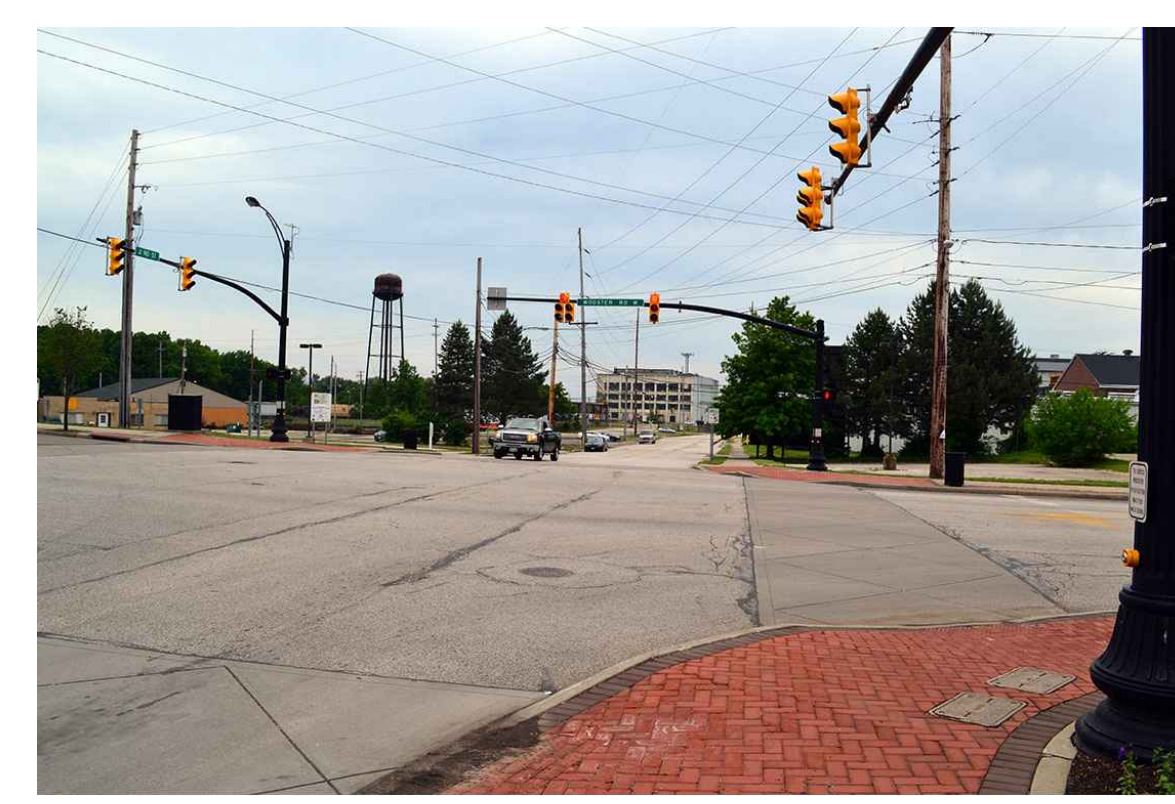
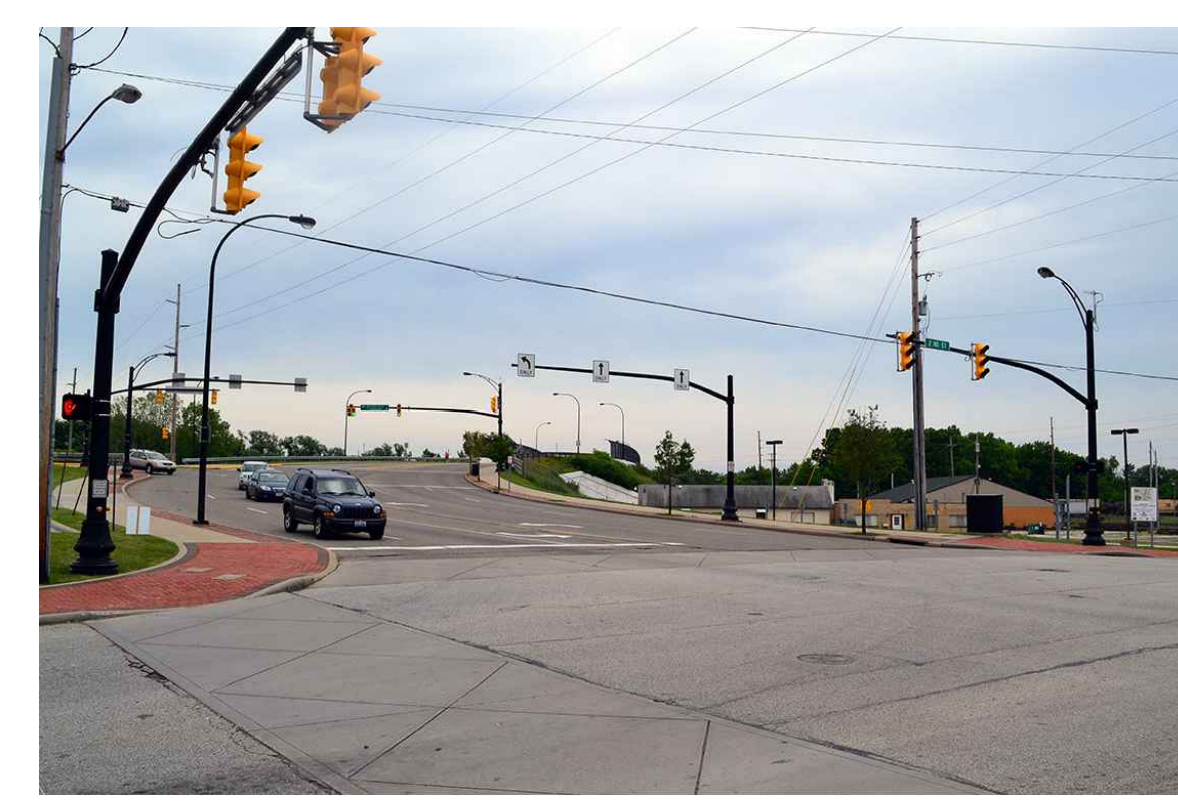


PRELIMINARY TRAIL ALIGNMENT

NO.	REVISION DATA	DATE

**THREE CREEKS TRAIL**  
**SUMMIT METRO PARKS**

EXISTING CONDITIONS SITE PHOTOS



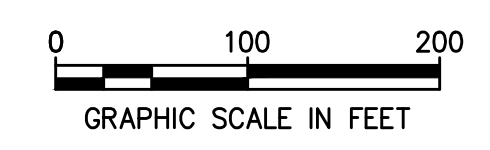
1 INTERSECTION OF WOOSTER ROAD AND ROBINSON BRIDGE. REFER TO BARBERTON AMATS STUDY FOR MORE INFORMATION.

2 INTERSECTION OF WOOSTER ROAD AND ROBINSON BRIDGE. EXISTING PARKING LOT ON THE SOUTHEAST CORNER TO BE MODIFIED TO CREATE A TRAILHEAD.

3 WOOSTER ROAD TO BE RECONFIGURED. REFER TO BARBERTON AMATS STUDY FOR MORE INFORMATION.

**LEGEND**

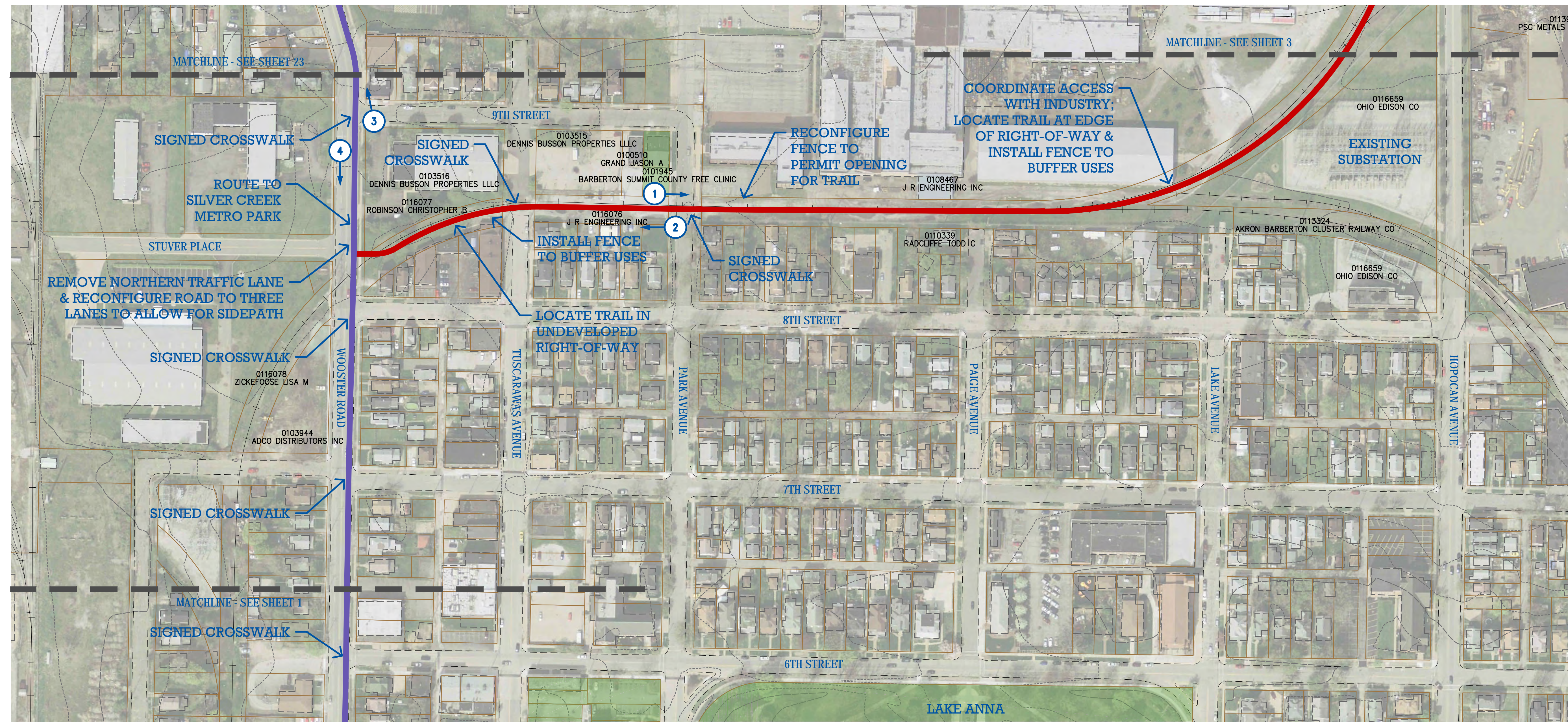
- Municipal Boundary
- Existing Trail
- Proposed Off Road Trail
- Proposed Sidepath
- Future City of Fairlawn Trail
- Future Medina County Trail
- Proposed Bridge
- Culvert
- Public Lands
- Riparian Setback
- NWI Wetland Boundary
- Parcel Boundary
- Trailhead



PROJECT NO.: 14-00179-010  
 DESIGNED BY: KL/JT  
 DRAWN BY: KL/JT  
 CHECKED BY: KL  
 DATE ISSUED: MARCH 13, 2015

**DOWNTOWN BARBERTON SEGMENT**





PRELIMINARY TRAIL ALIGNMENT

NO.	REVISION DATA	DATE

**THREE CREEKS TRAIL**  
**SUMMIT METRO PARKS**

EXISTING CONDITIONS SITE PHOTOS



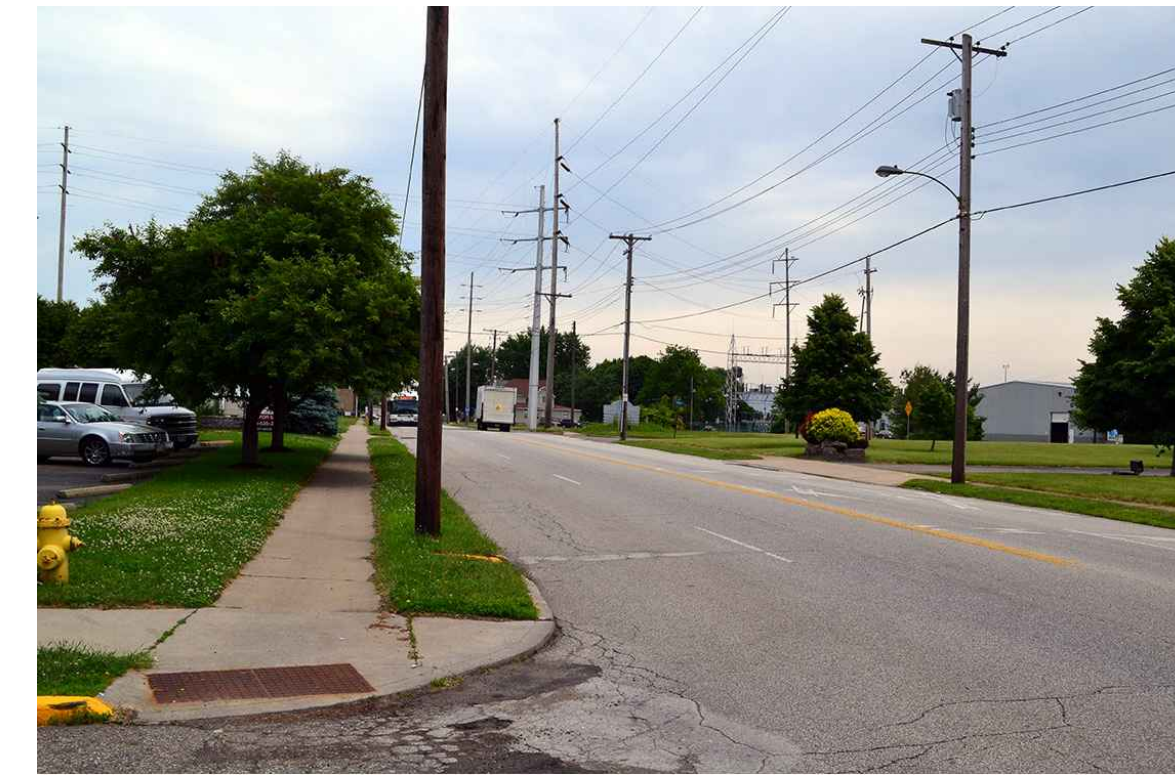
1 EXISTING GATE ON PARK DRIVE, NEAR 9TH STREET, TO BE RECONFIGURED TO PERMIT TRAIL OPENING.



2 TRAIL TO BE LOCATED IN UNDEVELOPED RIGHT-OF-WAY



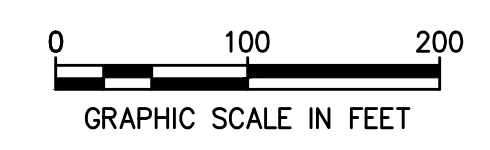
3 WOOSTER ROAD TO BE RECONFIGURED TO THREE LANES WITH A SIDEPAATH ON THE NORTH (RIGHT) SIDE.



4 WOOSTER ROAD TO BE RECONFIGURED TO THREE LANES WITH A SIDEPAATH ON THE NORTH (LEFT) SIDE.

**LEGEND**

- Municipal Boundary
- Existing Trail
- Proposed Off Road Trail
- Proposed Sidepath
- Future City of Fairlawn Trail
- Future Medina County Trail
- Proposed Bridge
- Culvert
- Public Lands
- Riparian Setback
- NWI Wetland Boundary
- Parcel Boundary
- Trailhead



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**DOWNTOWN BARBERTON SEGMENT**

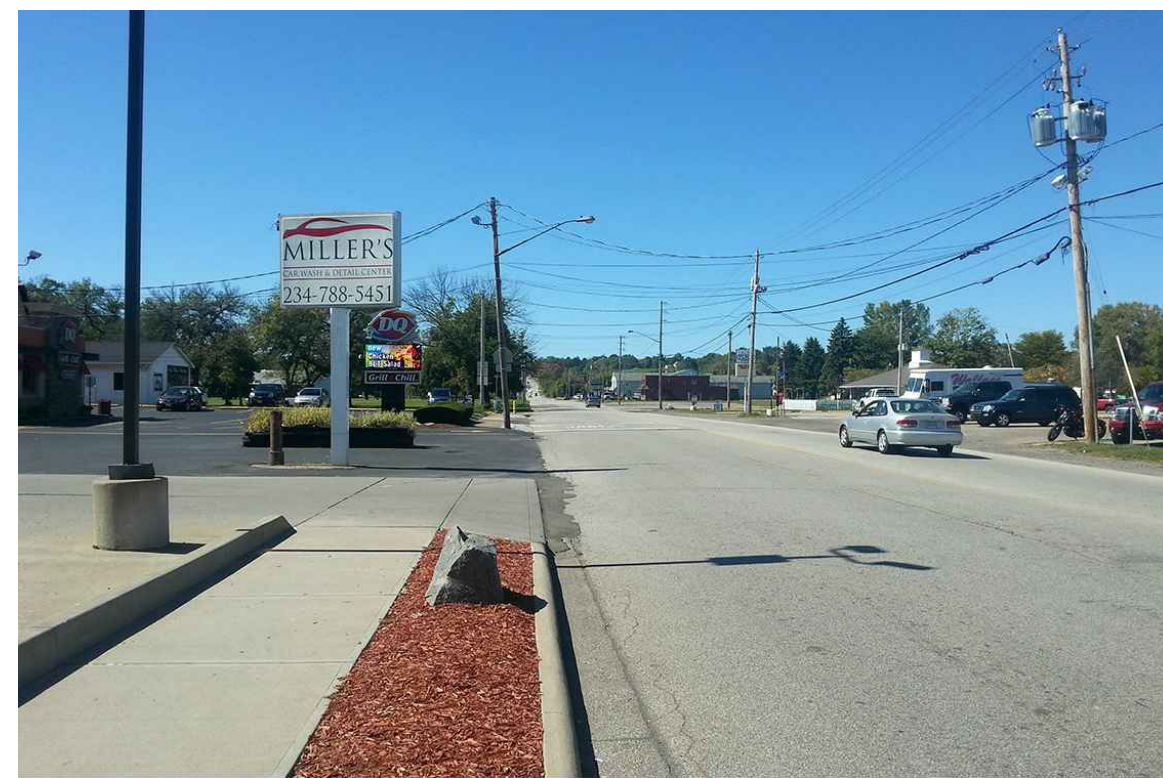








EXISTING CONDITIONS SITE PHOTOS



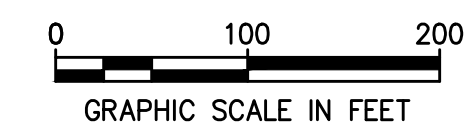
1 NARROW ROAD PAVEMENT TO ALLOW FOR SIDEPATH-REWORK DRIVE CROSSINGS



2 UTILIZE EXISTING SIGNALLED INTERSECTION

LEGEND

- Municipal Boundary
- Existing Trail
- Proposed Off Road Trail
- Proposed Sidepath
- Future City of Fairlawn Trail
- Future Medina County Trail
- Proposed Bridge
- Culvert
- Public Lands
- Riparian Setback
- NWI Wetland Boundary
- Parcel Boundary
- Trailhead



PRELIMINARY TRAIL ALIGNMENT

NO.	REVISION DATA	DATE

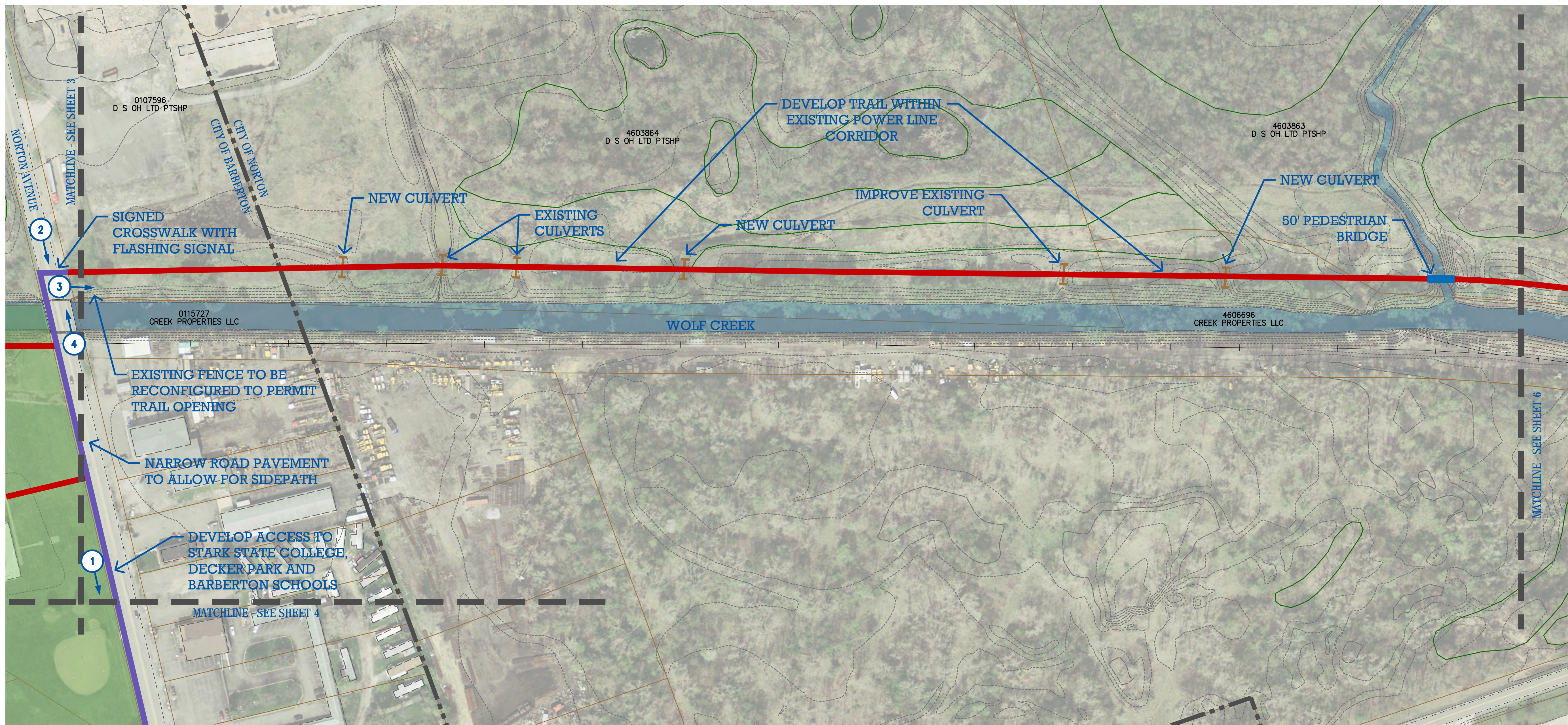
THREE CREEKS TRAIL

SUMMIT METRO PARKS

PROJECT NO.: 14-00179-010  
 DESIGNED BY: KL/JT  
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BARBERTON SCHOOLS CONNECTOR





PRELIMINARY TRAIL ALIGNMENT

NO.	REVISION DATA	DATE

**THREE CREEKS TRAIL**  
**SUMMIT METRO PARKS**

EXISTING CONDITIONS SITE PHOTOS



1 DEVELOP CONNECTIONS TO BARBERTON CITY SCHOOLS



2 EXISTING BRIDGE ON NORTON AVENUE



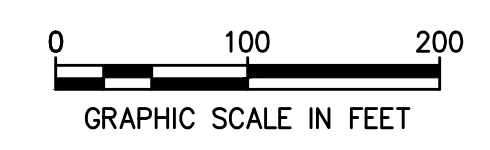
3 EXISTING FENCE AND GATE TO BE RECONFIGURED TO PERMIT TRAIL OPENING.



4 NORTON AVENUE ROAD PAVEMENT TO BE NARROWED TO ALLOW FOR SIDEPATH.

**LEGEND**

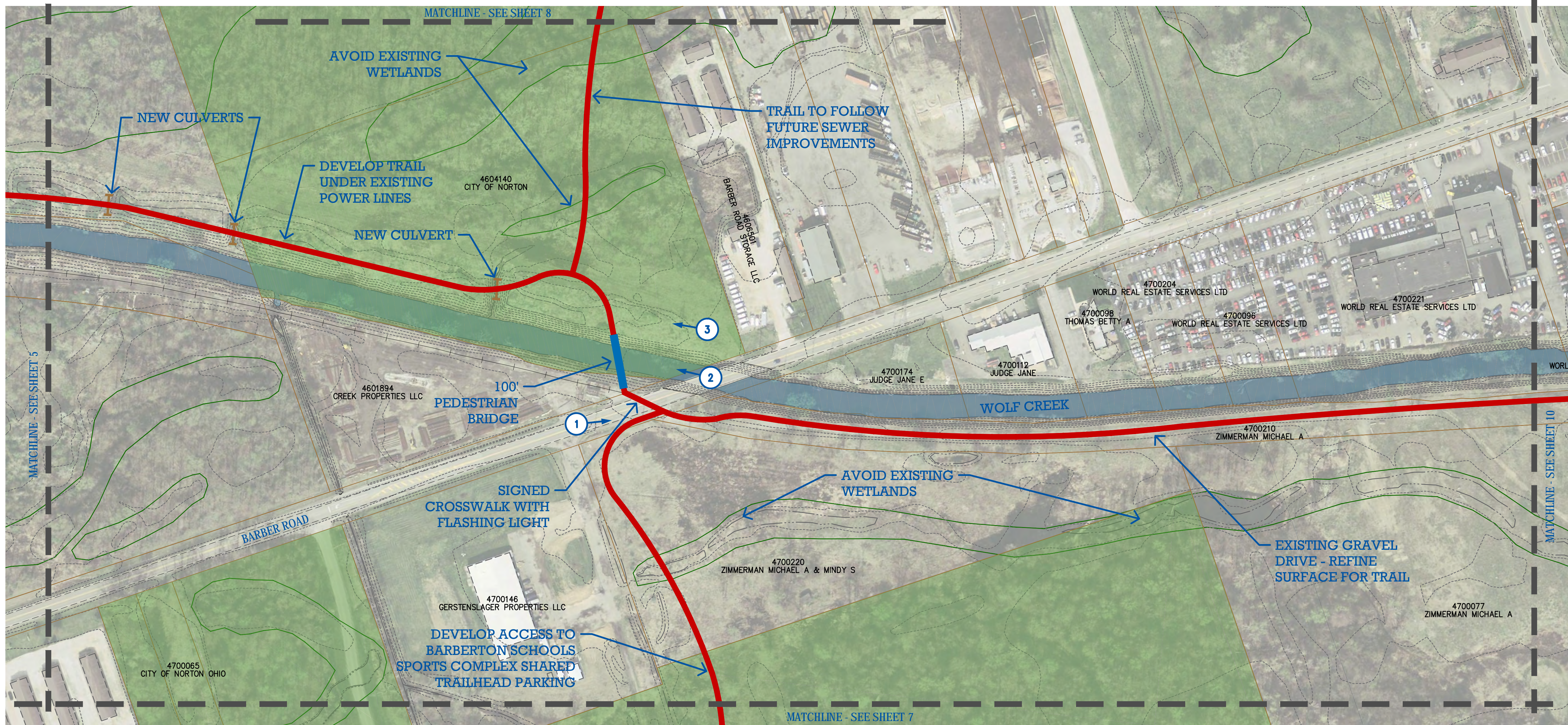
- Municipal Boundary
- Existing Trail
- Proposed Off Road Trail
- Proposed Sidepath
- Future City of Fairlawn Trail
- Future Medina County Trail
- Proposed Bridge
- Culvert
- Public Lands
- Riparian Setback
- NWI Wetland Boundary
- Parcel Boundary
- Trailhead



PROJECT NO.: 14-00179-010  
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 CHECKED BY: KL  
 DATE ISSUED: MARCH 13, 2015

**WOLF CREEK SEGMENT**





EXISTING CONDITIONS SITE PHOTOS



1 TRAIL TO FOLLOW EXISTING ACCESS ROAD.



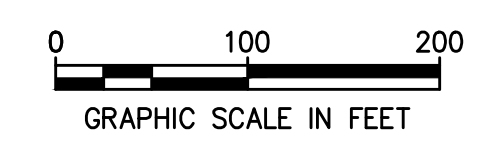
2 EXISTING BRIDGE ON BARBER ROAD LOOKING TOWARD PROPOSED PEDESTRIAN BRIDGE LOCATION.



3 TRAIL TO BE DEVELOPED BENEATH EXISTING POWER LINES.

LEGEND

- Municipal Boundary
- Existing Trail
- Proposed Off Road Trail
- Proposed Sidepath
- Future City of Fairlawn Trail
- Future Medina County Trail
- Proposed Bridge
- Culvert
- Public Lands
- Riparian Setback
- NWI Wetland Boundary
- Parcel Boundary
- Trailhead



PRELIMINARY TRAIL ALIGNMENT

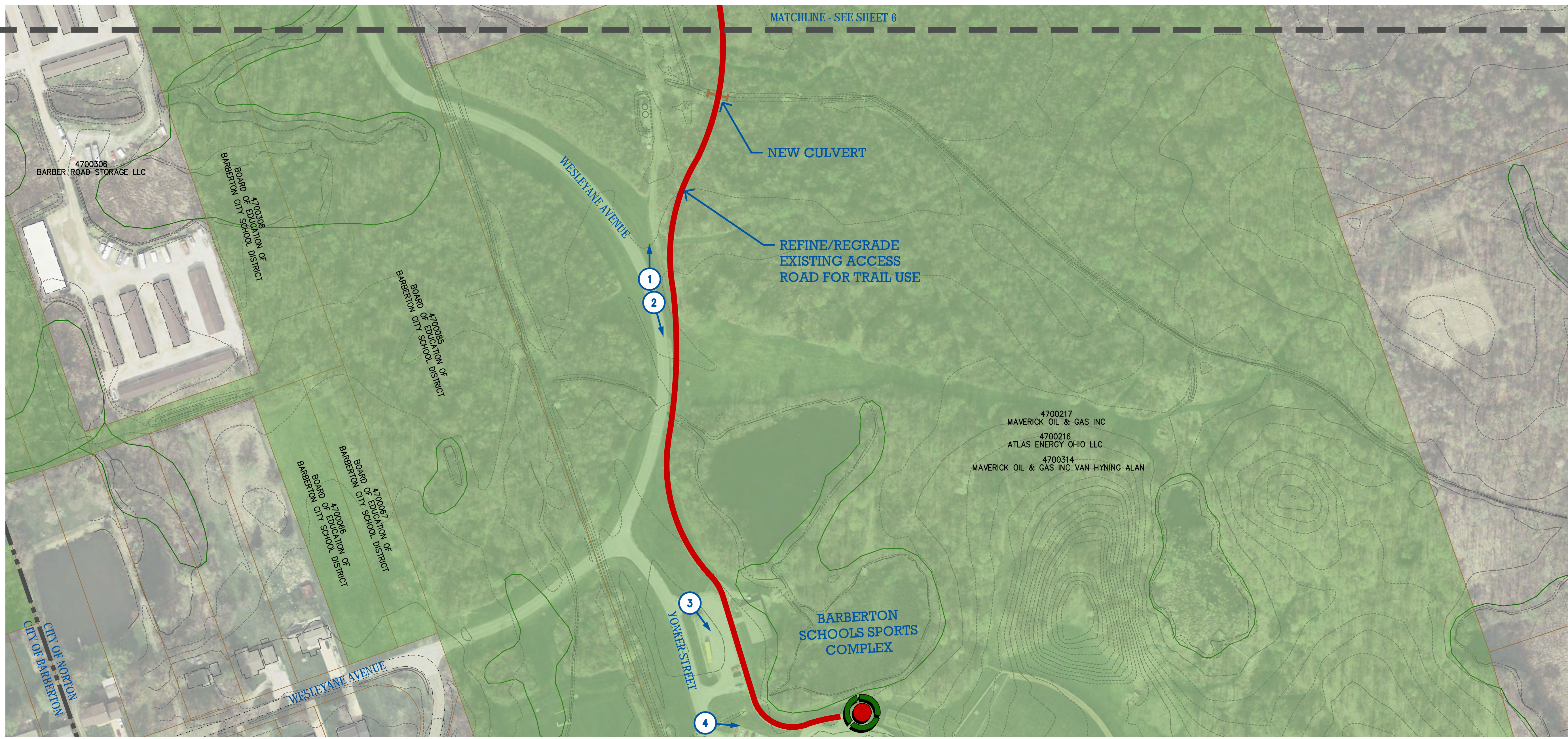
NO.	REVISION DATA	DATE

THREE CREEKS TRAIL  
SUMMIT METRO PARKS

PROJECT NO.: 14-00179-010  
 DESIGNED BY: KL/JT  
 DRAWN BY: KL/JT  
 CHECKED BY: KL  
 DATE ISSUED: MARCH 13, 2015

WOLF CREEK SEGMENT





EXISTING CONDITIONS SITE PHOTOS



1 REFINE/REGRADE EXISTING ACCESS ROAD FOR TRAIL USE.



2 REFINE/REGRADE EXISTING PATH FOR TRAIL USE.

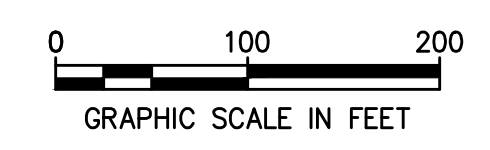


3 REFINE/REGRADE EXISTING PATH FOR TRAIL USE.



4 REFINE/REGRADE EXISTING PATH FOR TRAIL USE AND CONNECT TO BARBERTON SCHOOLS BALL FIELDS AND PARKING LOT.

- LEGEND**
- Municipal Boundary
  - Existing Trail
  - Proposed Off Road Trail
  - Proposed Sidepath
  - Future City of Fairlawn Trail
  - Future Medina County Trail
  - Proposed Bridge
  - Culvert
  - Public Lands
  - Riparian Setback
  - NWI Wetland Boundary
  - Parcel Boundary
  - Trailhead



PRELIMINARY TRAIL ALIGNMENT

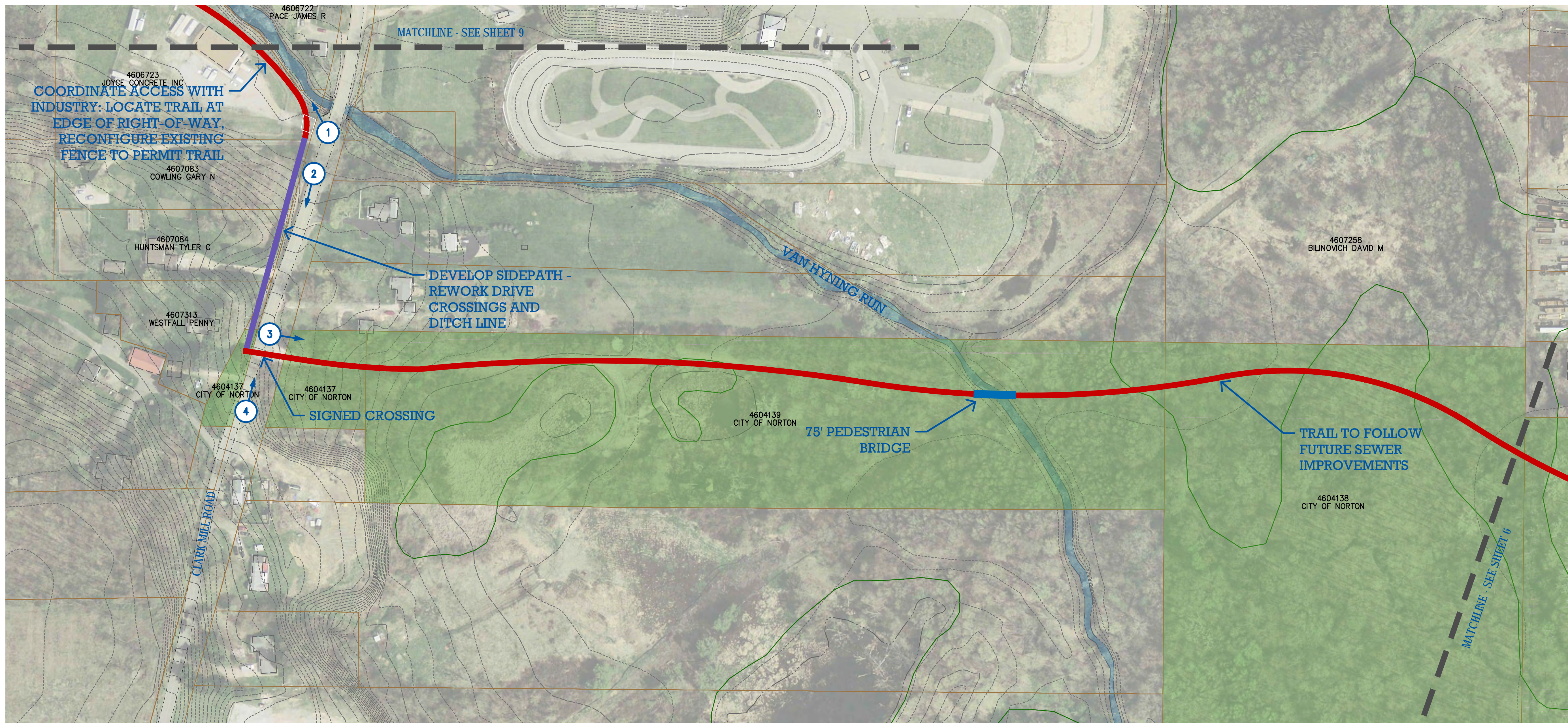
NO.	REVISION DATA	DATE

**THREE CREEKS TRAIL**  
**SUMMIT METRO PARKS**

PROJECT NO.: 14-00179-010  
 DESIGNED BY: KL/JT  
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 DATE ISSUED: MARCH 13, 2015

**BARBERTON SPORTS CONNECTOR**





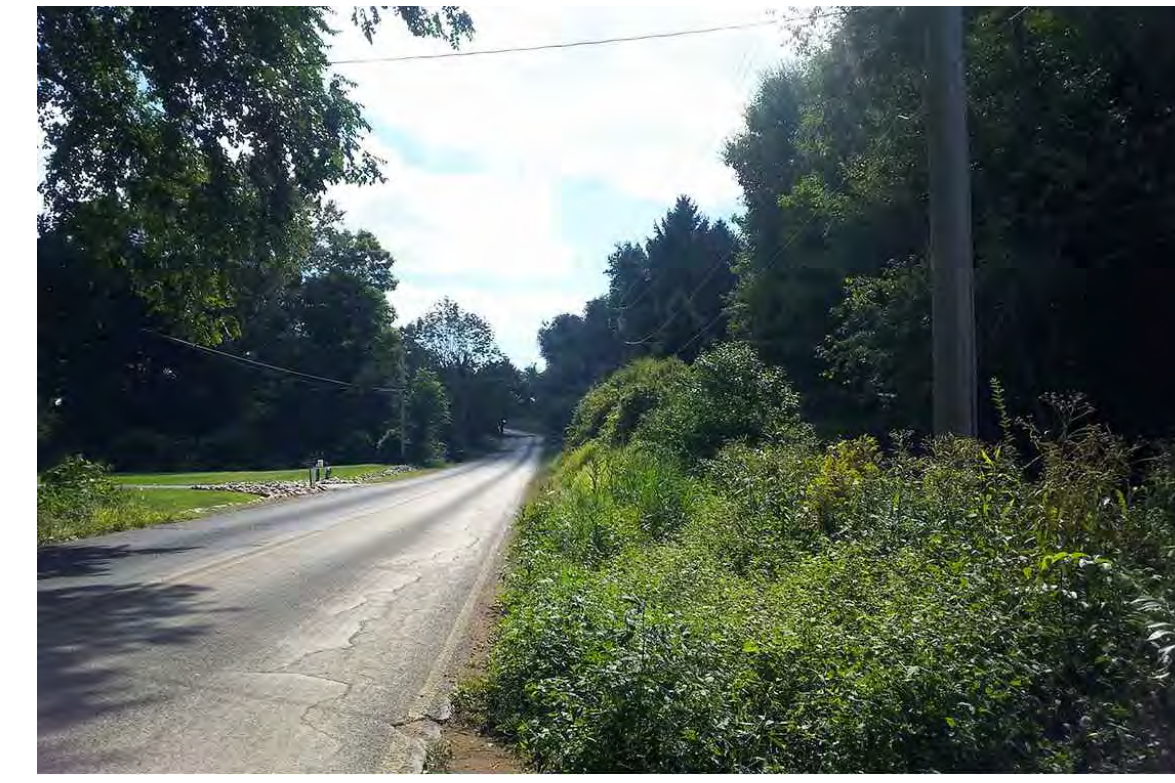
PRELIMINARY TRAIL ALIGNMENT	
NO.	REVISION DATA

**THREE CREEKS TRAIL**  
**SUMMIT METRO PARKS**

**EXISTING CONDITIONS SITE PHOTOS**



1 LOCATE TRAIL AT EDGE OF RIGHT-OF-WAY, COORDINATE ACCESS WITH INDUSTRY.



2 LOCATE SIDEPATH ALONG CLARK MILL ROAD.



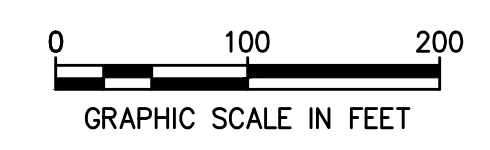
3 TRAIL TO FOLLOW FUTURE SEWER IMPROVEMENTS.



4 TRAIL CROSSING AT CLARK MILL ROAD.

**LEGEND**

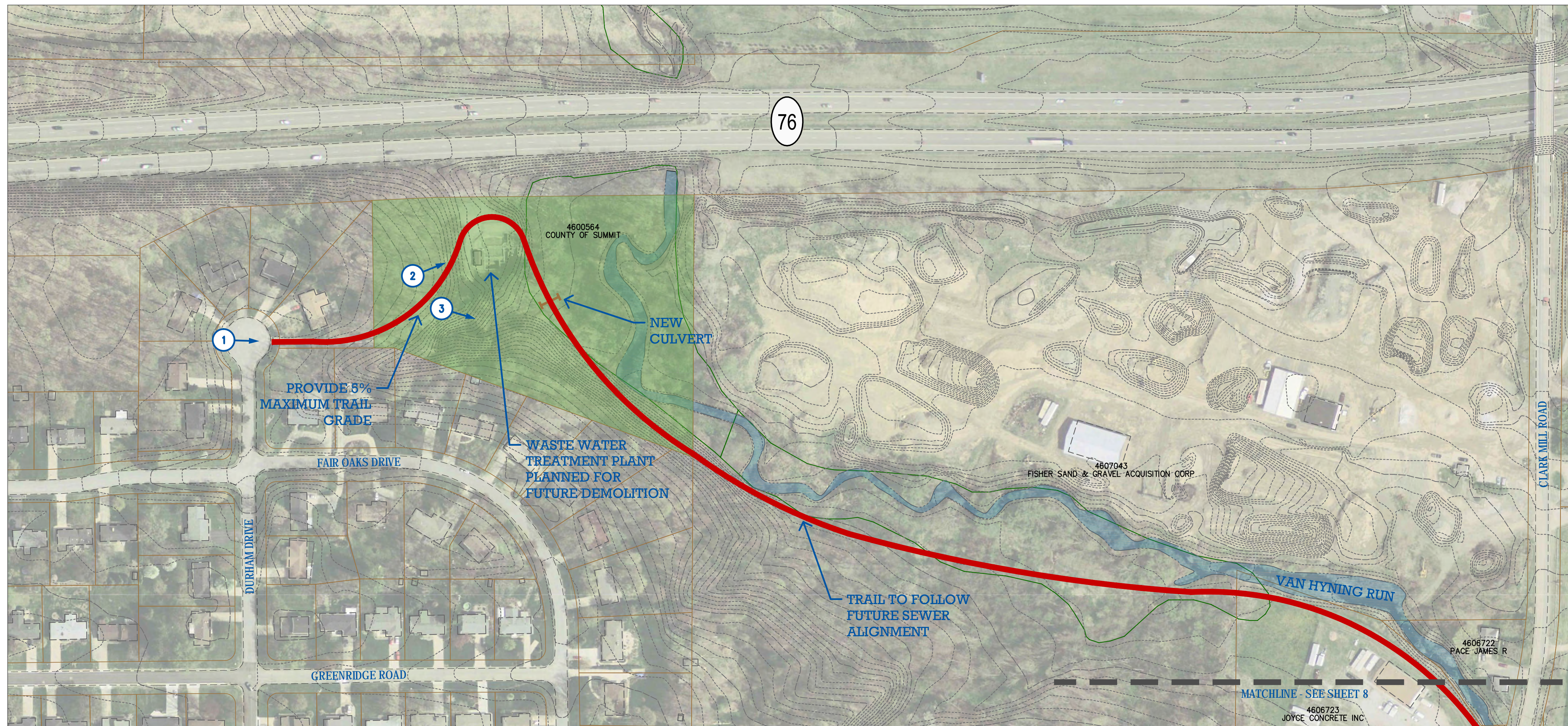
- Municipal Boundary
- Existing Trail
- Proposed Off Road Trail
- Proposed Sidepath
- Future City of Fairlawn Trail
- Future Medina County Trail
- Proposed Bridge
- Culvert
- Public Lands
- Riparian Setback
- NWI Wetland Boundary
- Parcel Boundary
- Trailhead



PROJECT NO.:	14-00179-010
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DATE ISSUED:	MARCH 13, 2015

**VAN HYNING RUN CONNECTOR**





PRELIMINARY TRAIL ALIGNMENT

NO.	REVISION DATA	DATE

EXISTING CONDITIONS SITE PHOTOS



1 LOCATE TRAIL ON EXISTING WASTE WATER TREATMENT PLANT ACCESS ROAD.

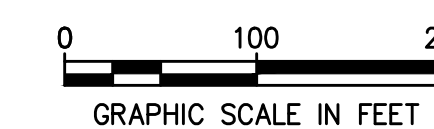


2 WASTE WATER TREATMENT PLANT PLANNED FOR FUTURE DEMOLITION.



3 TRAIL TO FOLLOW FUTURE SEWER IMPROVEMENTS. PROVIDE A 5% MAXIMUM TRAIL GRADE.

- LEGEND**
- Municipal Boundary
  - Existing Trail
  - Proposed Off Road Trail
  - Proposed Sidepath
  - Future City of Fairlawn Trail
  - Future Medina County Trail
  - Proposed Bridge
  - Culvert
  - Public Lands
  - Riparian Setback
  - NWI Wetland Boundary
  - Parcel Boundary
  - Trailhead



THREE CREEKS TRAIL  
SUMMIT METRO PARKS

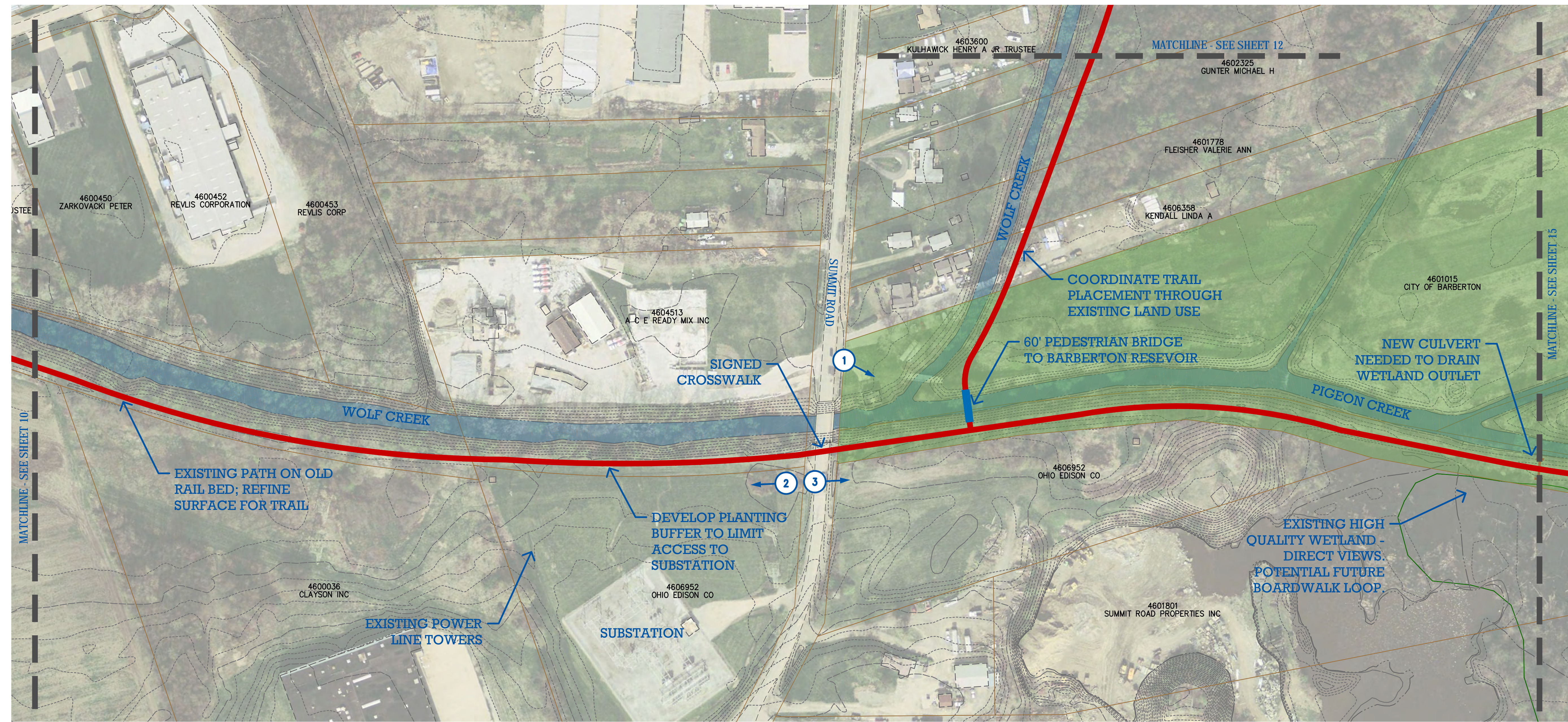
PROJECT NO.: 14-00179-010  
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VAN HYNING RUN CONNECTOR









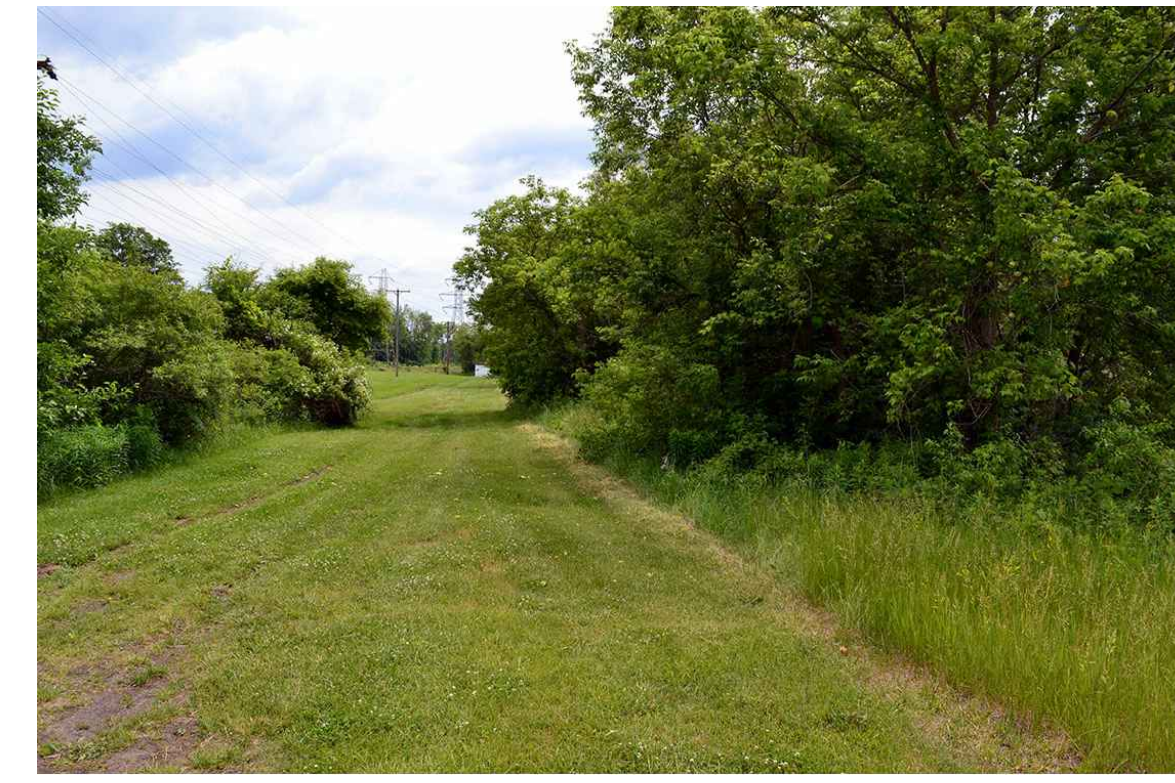
PRELIMINARY TRAIL ALIGNMENT	
NO.	REVISION DATA
	DATE

**THREE CREEKS TRAIL**  
**SUMMIT METRO PARKS**

**EXISTING CONDITIONS SITE PHOTOS**



1 CONFLUENCE OF WOLF CREEK AND PIGEON CREEK



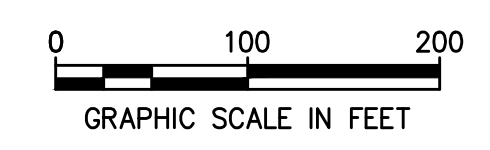
2 TRAIL TO BE DEVELOPED BENEATH EXISTING POWER LINES



3 TRAIL CROSSING OF SUMMIT ROAD FOLLOWING PIGEON CREEK.

**LEGEND**

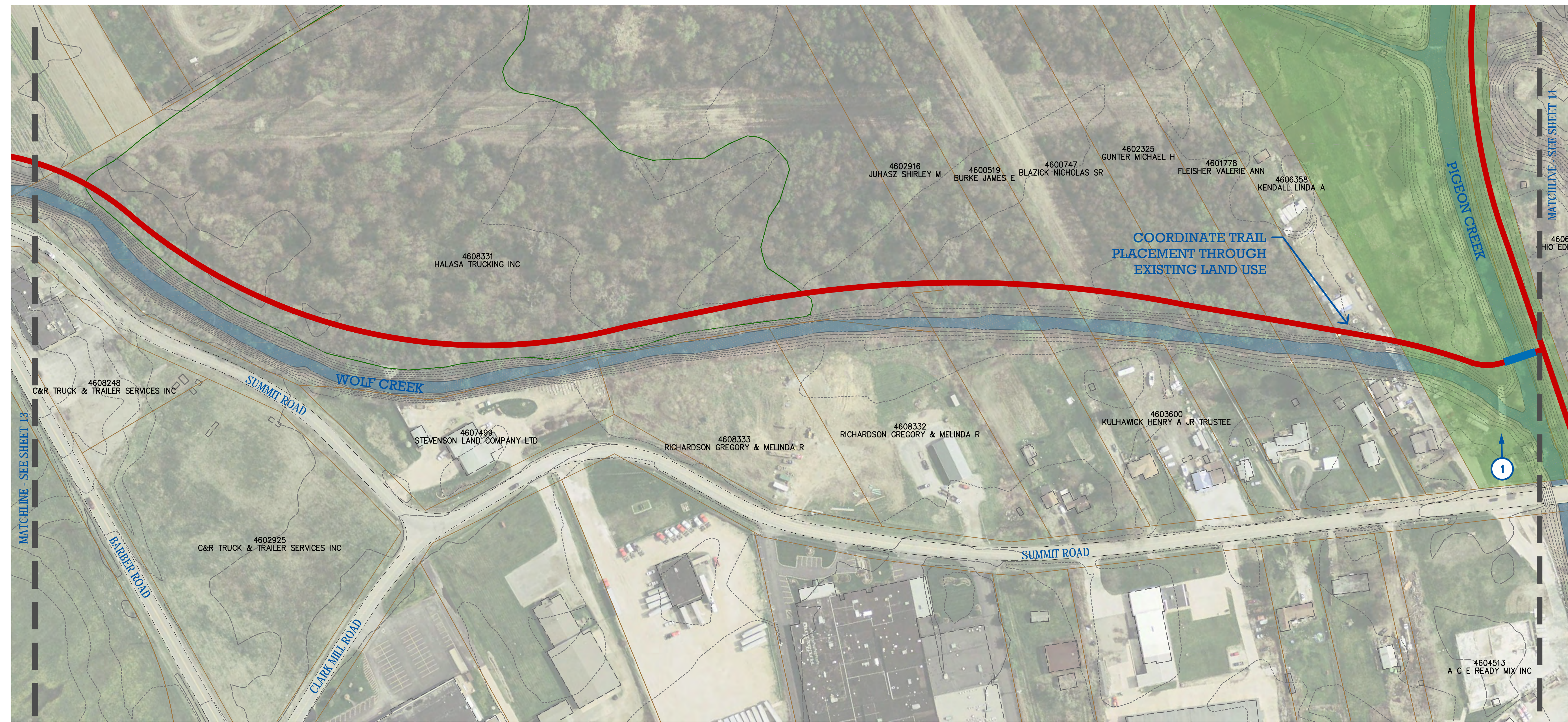
- Municipal Boundary
- Existing Trail
- Proposed Off Road Trail
- Proposed Sidepath
- Future City of Fairlawn Trail
- Future Medina County Trail
- Proposed Bridge
- Culvert
- Public Lands
- Riparian Setback
- NWI Wetland Boundary
- Parcel Boundary
- Trailhead



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**WOLF CREEK SEGMENT**





PRELIMINARY TRAIL ALIGNMENT

NO.	REVISION DATA	DATE

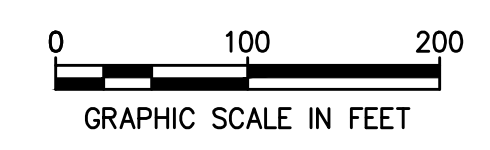
EXISTING CONDITIONS SITE PHOTOS



1 EXISTING MAINTENANCE BRIDGE AT WOLF CREEK.

**LEGEND**

- Municipal Boundary
- Existing Trail
- Proposed Off Road Trail
- Proposed Sidepath
- Future City of Fairlawn Trail
- Future Medina County Trail
- Proposed Bridge
- Culvert
- Public Lands
- Riparian Setback
- NWI Wetland Boundary
- Parcel Boundary
- Trailhead



**THREE CREEKS TRAIL**  
**SUMMIT METRO PARKS**

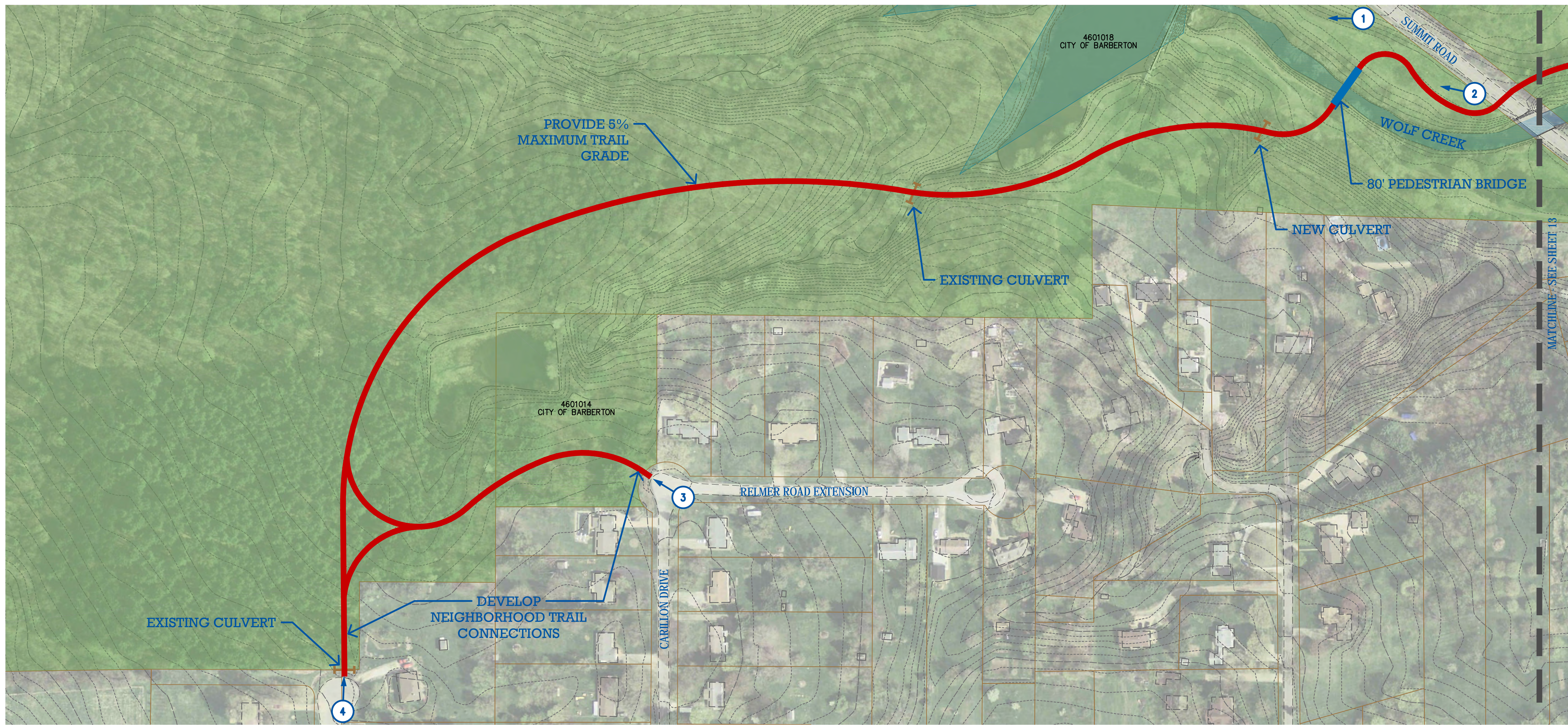
PROJECT NO.: 14-00179-010  
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**BARBERTON RESERVOIR CONNECTOR**









PRELIMINARY TRAIL ALIGNMENT

NO.	REVISION DATA	DATE

EXISTING CONDITIONS SITE PHOTOS



1 EXISTING BARBERTON RESERVOIR DAM.



2 LOCATE TRAIL IN EXISTING LAWN AREA, BETWEEN MATURE STANDS OF SHADE TREES.



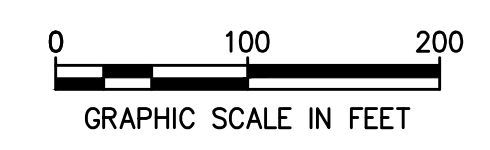
3 DEVELOP NEIGHBORHOOD TRAIL CONNECTIONS



4 DEVELOP NEIGHBORHOOD TRAIL CONNECTIONS

**LEGEND**

- Municipal Boundary
- Existing Trail
- Proposed Off Road Trail
- Proposed Sidepath
- Future City of Fairlawn Trail
- Future Medina County Trail
- Proposed Bridge
- Culvert
- Public Lands
- Riparian Setback
- NWI Wetland Boundary
- Parcel Boundary
- Trailhead

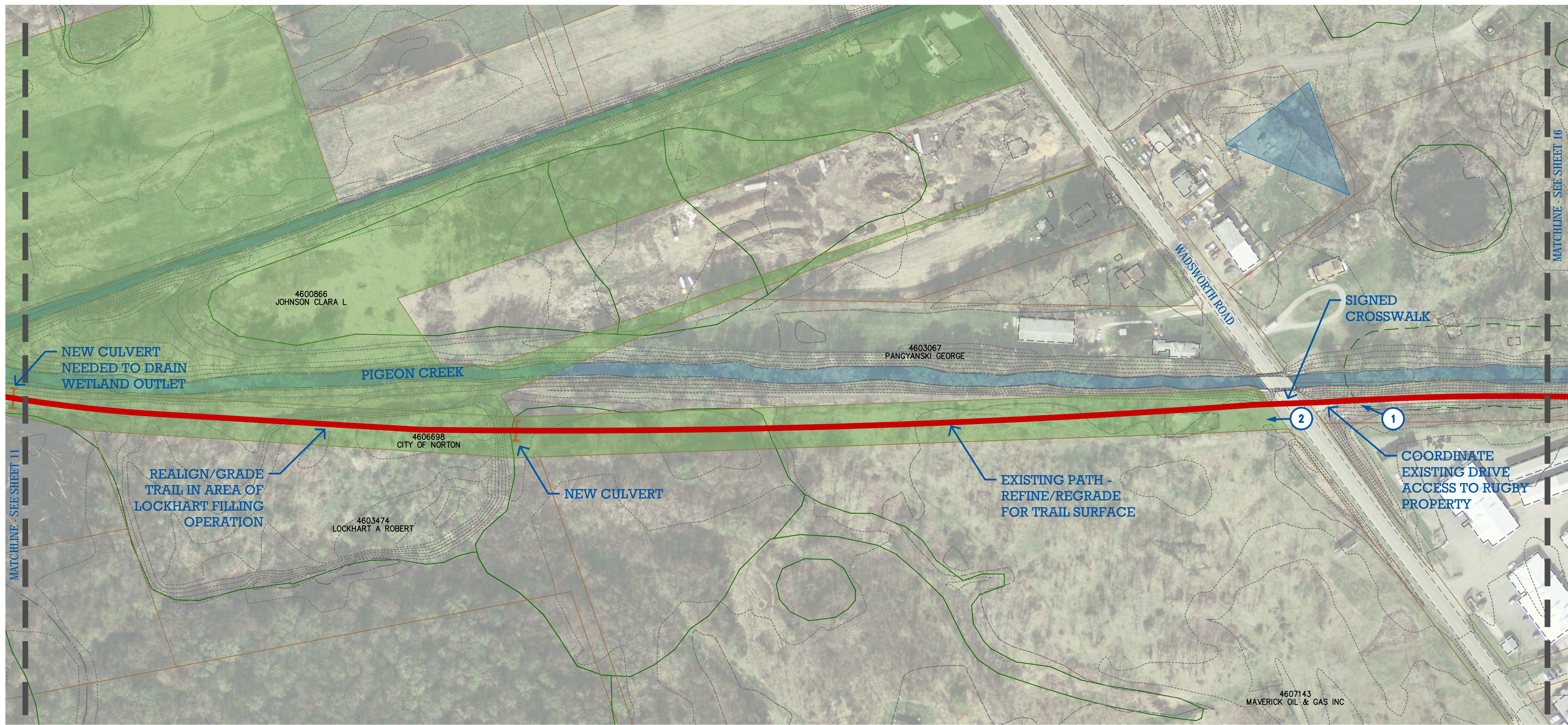


THREE CREEKS TRAIL  
 SUMMIT METRO PARKS

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BARBERTON RESERVOIR CONNECTOR





PRELIMINARY TRAIL ALIGNMENT

NO.	REVISION DATA	DATE

**THREE CREEKS TRAIL**  
**SUMMIT METRO PARKS**

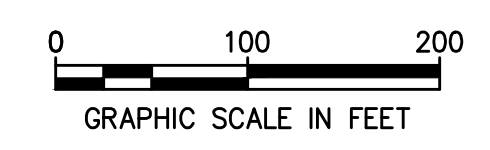
EXISTING CONDITIONS SITE PHOTOS



1 EXISTING BRIDGE AT WADSWORTH ROAD

2 EXISTING PATH TO REFINED/REGRADED FOR TRAIL SURFACE

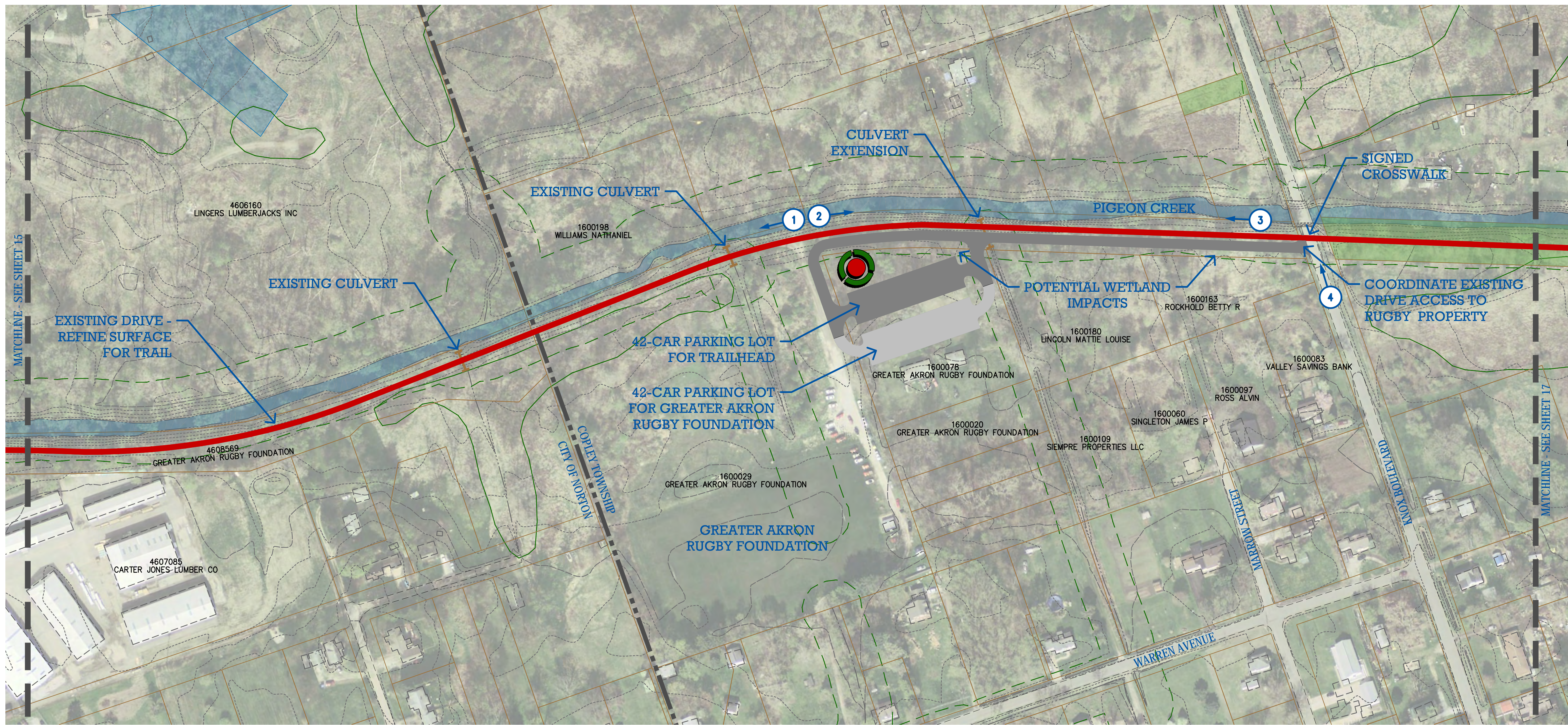
- LEGEND**
- Municipal Boundary
  - Existing Trail
  - Proposed Off Road Trail
  - Proposed Sidepath
  - Future City of Fairlawn Trail
  - Future Medina County Trail
  - Proposed Bridge
  - Culvert
  - Public Lands
  - Riparian Setback
  - NWI Wetland Boundary
  - Parcel Boundary
  - Trailhead



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PIGEON CREEK SEGMENT





PRELIMINARY TRAIL ALIGNMENT

NO.	REVISION DATA	DATE

**THREE CREEKS TRAIL**  
**SUMMIT METRO PARKS**

EXISTING CONDITIONS SITE PHOTOS



1 EXISTING DRIVE TO BE REFINED FOR TRAIL SURFACE



2 EXISTING DRIVE TO BE REFINED FOR TRAIL SURFACE



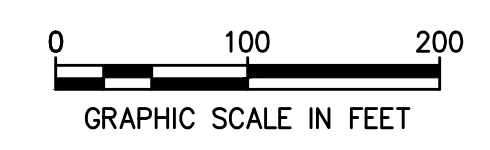
3 EXISTING DRIVE TO BE REFINED FOR TRAIL SURFACE



4 EXISTING BRIDGE ON KNOX BOULEVARD

**LEGEND**

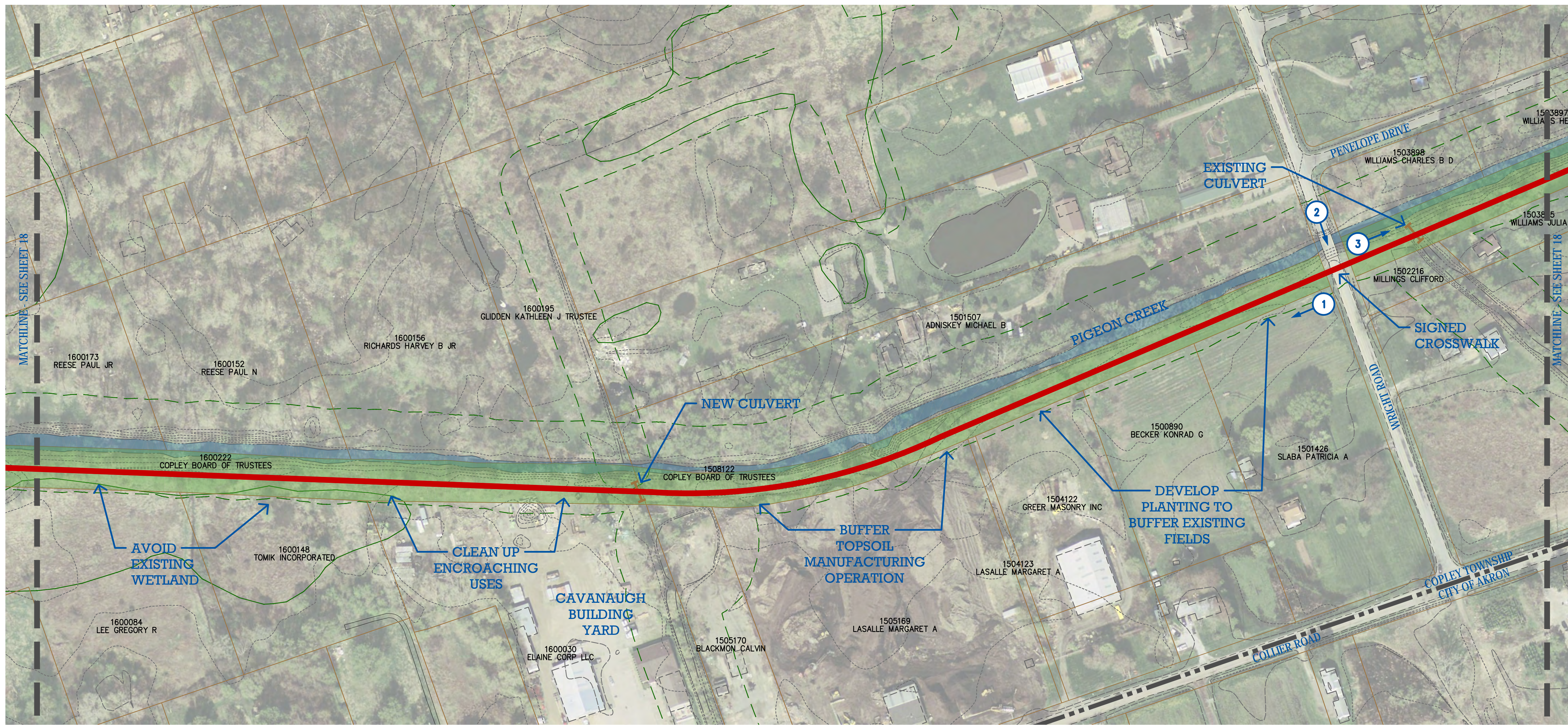
- Municipal Boundary
- Existing Trail
- Proposed Off Road Trail
- Proposed Sidepath
- Future City of Fairlawn Trail
- Future Medina County Trail
- Proposed Bridge
- Culvert
- Public Lands
- Riparian Setback
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**PIGEON CREEK SEGMENT**





PRELIMINARY TRAIL ALIGNMENT

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**THREE CREEKS TRAIL**  
**SUMMIT METRO PARKS**

EXISTING CONDITIONS SITE PHOTOS



1 TRAIL TO FOLLOW EDGE OF FARM FIELD.



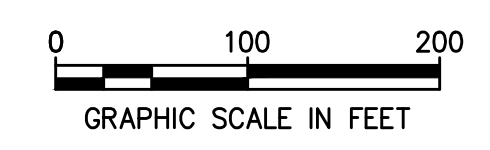
2 EXISTING BRIDGE ON WRIGHT ROAD.



3 VIEW OF PIGEON CREEK AT WRIGHT ROAD.

**LEGEND**

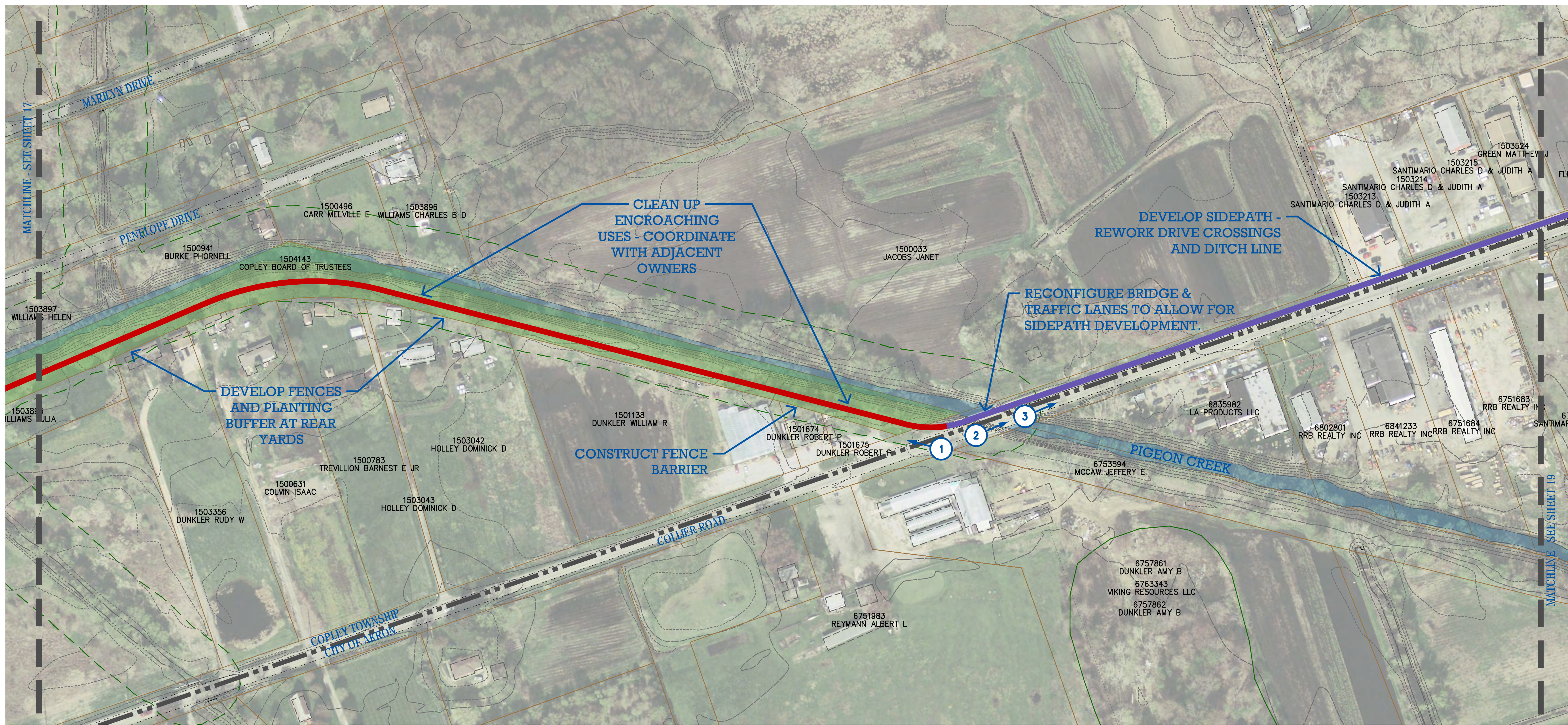
- Municipal Boundary
- Existing Trail
- Proposed Off Road Trail
- Proposed Sidepath
- Future City of Fairlawn Trail
- Future Medina County Trail
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**PIGEON CREEK SEGMENT**





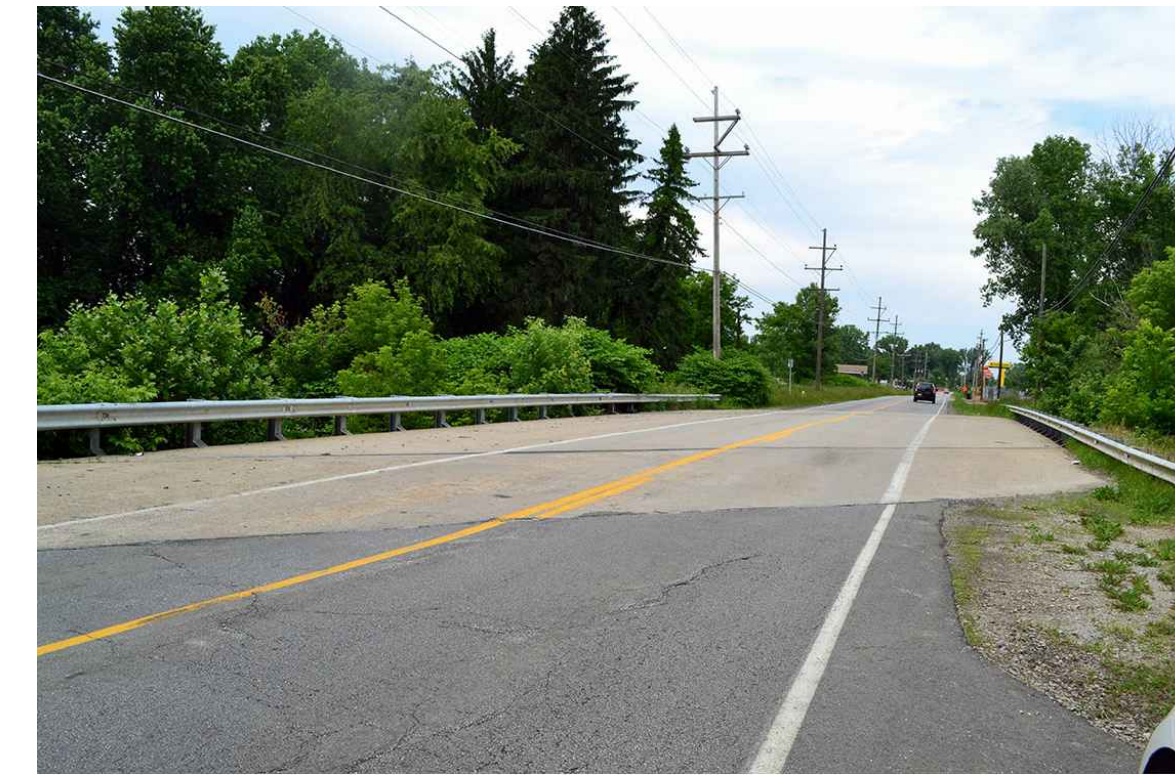
PRELIMINARY TRAIL ALIGNMENT	
NO.	REVISION DATA
	DATE

**THREE CREEKS TRAIL**  
**SUMMIT METRO PARKS**

**EXISTING CONDITIONS SITE PHOTOS**



1 ENCROACHING LAND USES TO BE CLEANED UP TO ALLOW FOR TRAIL.



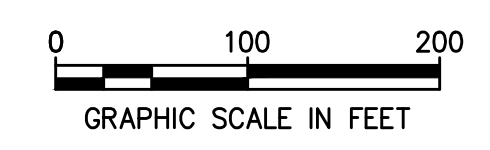
2 EXISTING BRIDGE ON COLLIER ROAD. DEVELOP SIDEPATH WITH BARRIER ON WEST (LEFT) SIDE.



3 EXISTING BRIDGE ON COLLIER ROAD. DEVELOP SIDEPATH WITH BARRIER ON WEST (LEFT) SIDE.

**LEGEND**

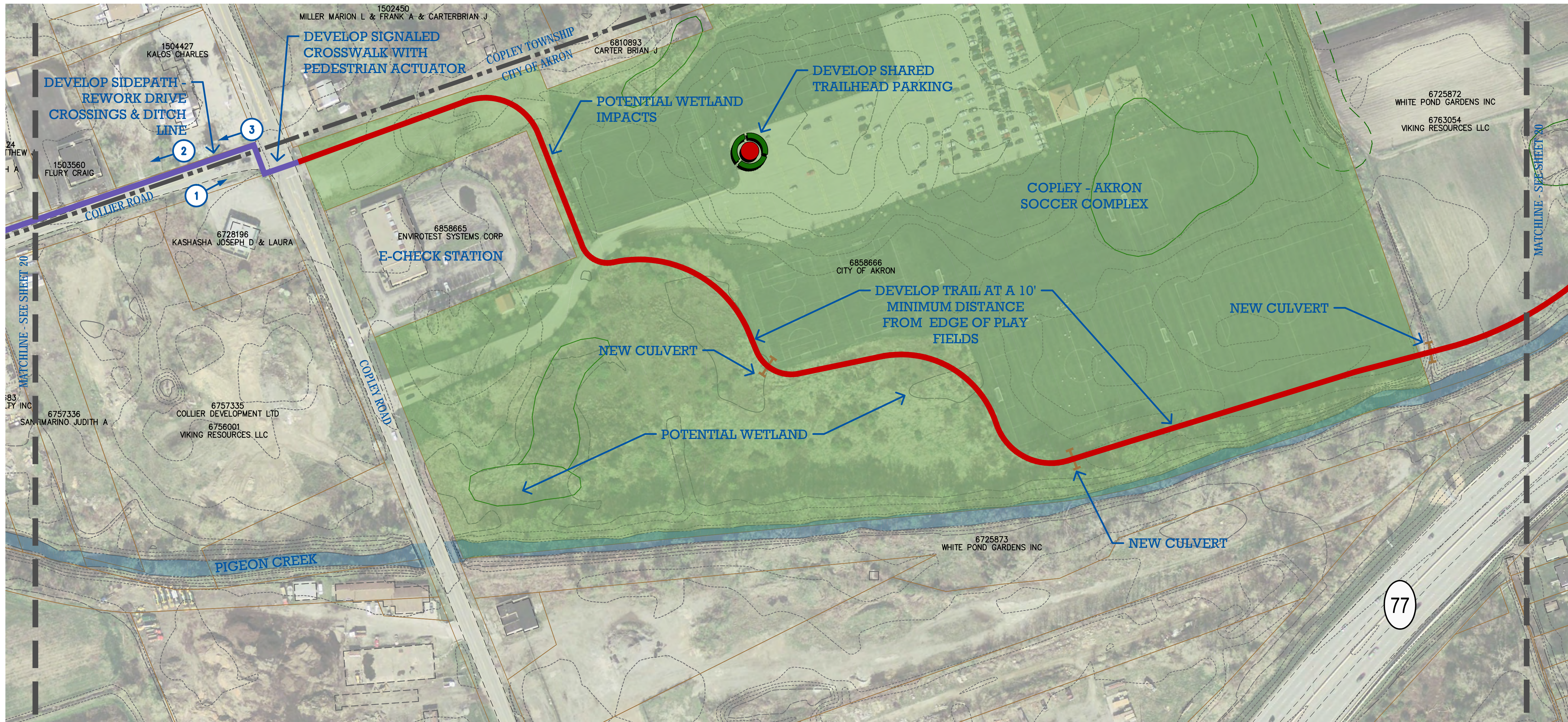
- Municipal Boundary
- Existing Trail
- Proposed Off Road Trail
- Proposed Sidepath
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**PIGEON CREEK SEGMENT**





PRELIMINARY TRAIL ALIGNMENT	
NO.	REVISION DATA
	DATE

**THREE CREEKS TRAIL**  
**SUMMIT METRO PARKS**

**EXISTING CONDITIONS SITE PHOTOS**



1 INTERSECTION OF COLLIER AND COPLEY ROADS. TRAIL TO UTILIZE EXISTING SIGNALIZATION WITH PROPOSED CROSSWALKS AND PEDESTRIAN ACTUATORS.



2 PROPOSED SIDEPATH LOCATION ALONG COLLIER ROAD



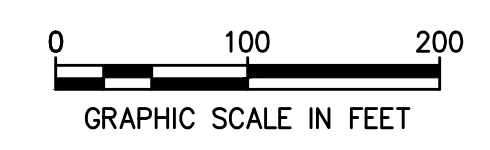
3 EXISTING DRIVE AND DITCH TO BE REWORKED TO PERMIT SIDEPATH



4 TRAIL TO BE DEVELOPED AT A 10' MINIMUM DISTANCE FROM EDGE OF PLAY FIELDS.

**LEGEND**

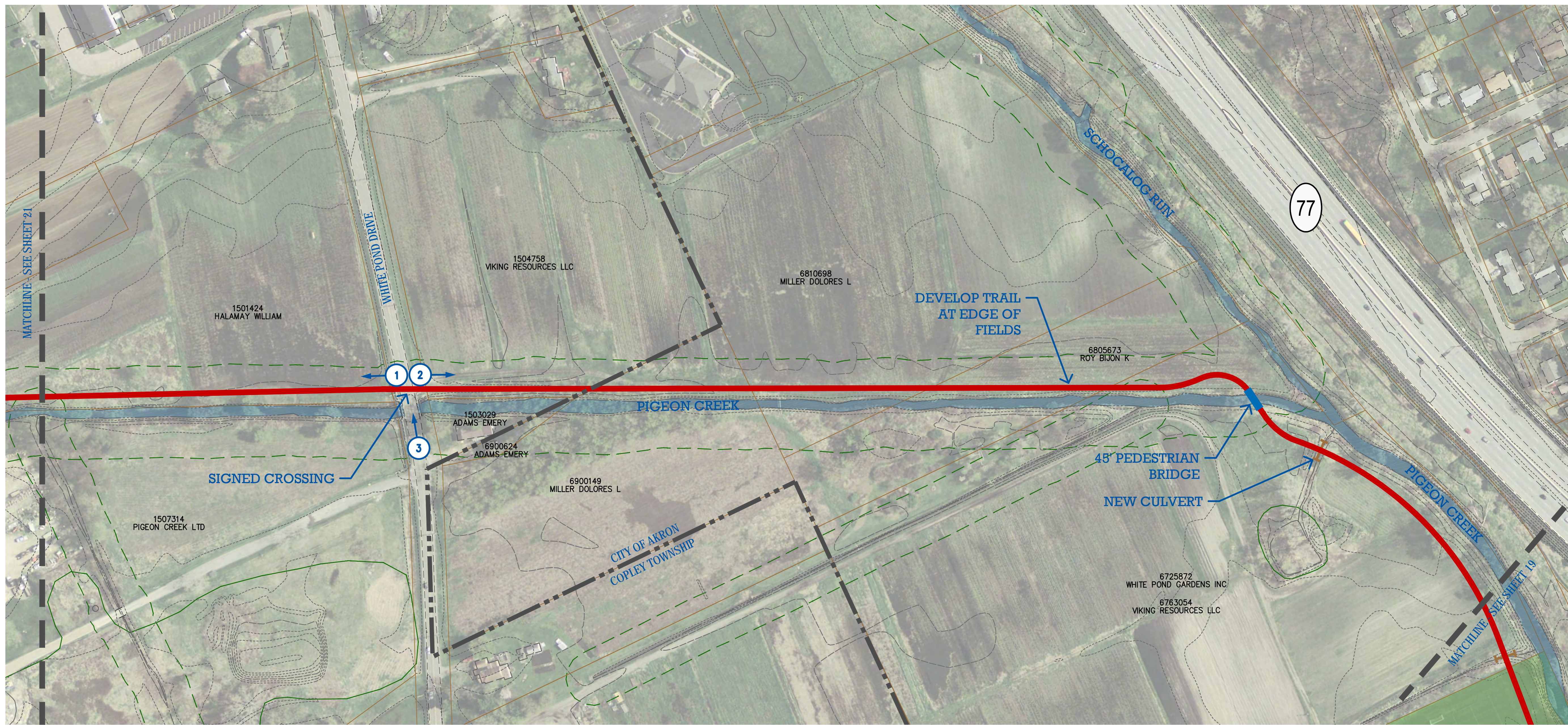
- Municipal Boundary
- Existing Trail
- Proposed Off Road Trail
- Proposed Sidepath
- Future City of Fairlawn Trail
- Future Medina County Trail
- Proposed Bridge
- Culvert
- Public Lands
- Riparian Setback
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**PIGEON CREEK SEGMENT**





PRELIMINARY TRAIL ALIGNMENT

NO.	REVISION DATA	DATE

**THREE CREEKS TRAIL**  
**SUMMIT METRO PARKS**

EXISTING CONDITIONS SITE PHOTOS



1 TRAIL TO FOLLOW EDGE OF FARM FIELDS.



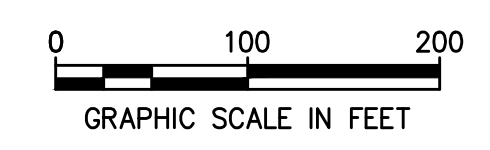
2 TRAIL TO FOLLOW EDGE OF FARM FIELDS.



3 TRAIL CROSSING AT WHITE POND DRIVE.

**LEGEND**

- Municipal Boundary
- Existing Trail
- Proposed Off Road Trail
- Proposed Sidepath
- Future City of Fairlawn Trail
- Future Medina County Trail
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PIGEON CREEK SEGMENT





PRELIMINARY TRAIL ALIGNMENT

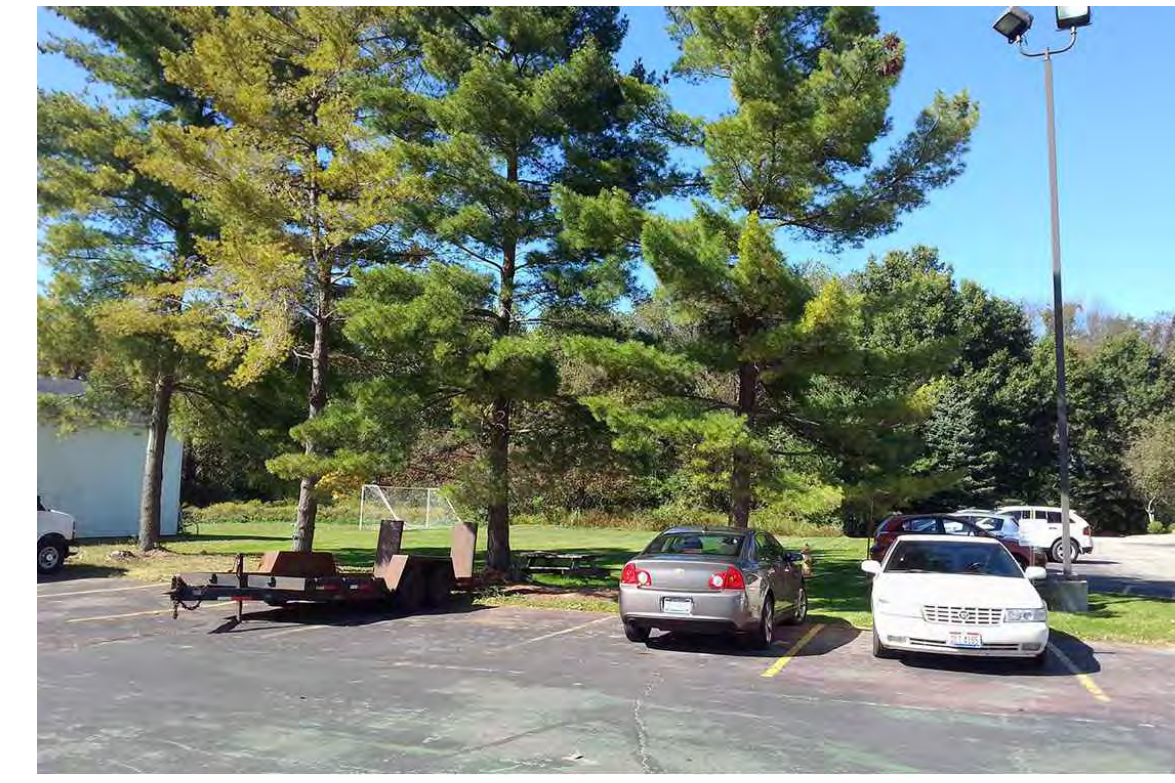
NO.	REVISION DATA	DATE

**THREE CREEKS TRAIL**  
**SUMMIT METRO PARKS**

EXISTING CONDITIONS SITE PHOTOS



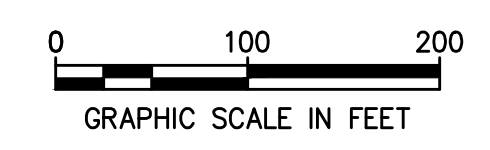
1 TRAIL TO FOLLOW EDGE OF EXISTING WOODS.



2 TRAILHEAD TO BE DEVELOPED IN UNDERUTILIZED LAWN AREA WITH ADJACENT PARKING.

**LEGEND**

- Municipal Boundary
- Existing Trail
- Proposed Off Road Trail
- Proposed Sidepath
- Future City of Fairlawn Trail
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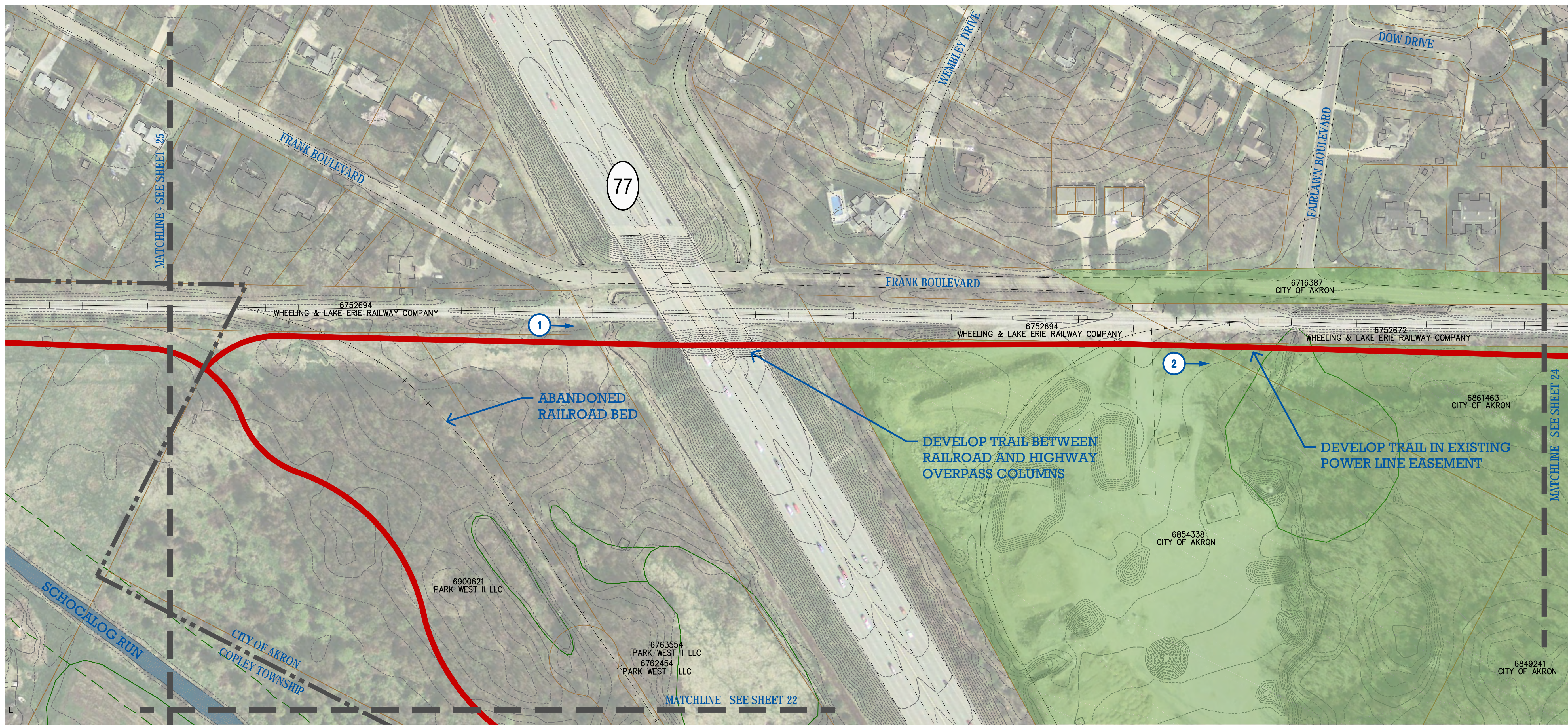
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 CHECKED BY: KL  
 DATE ISSUED: MARCH 13, 2015

PIGEON CREEK SEGMENT





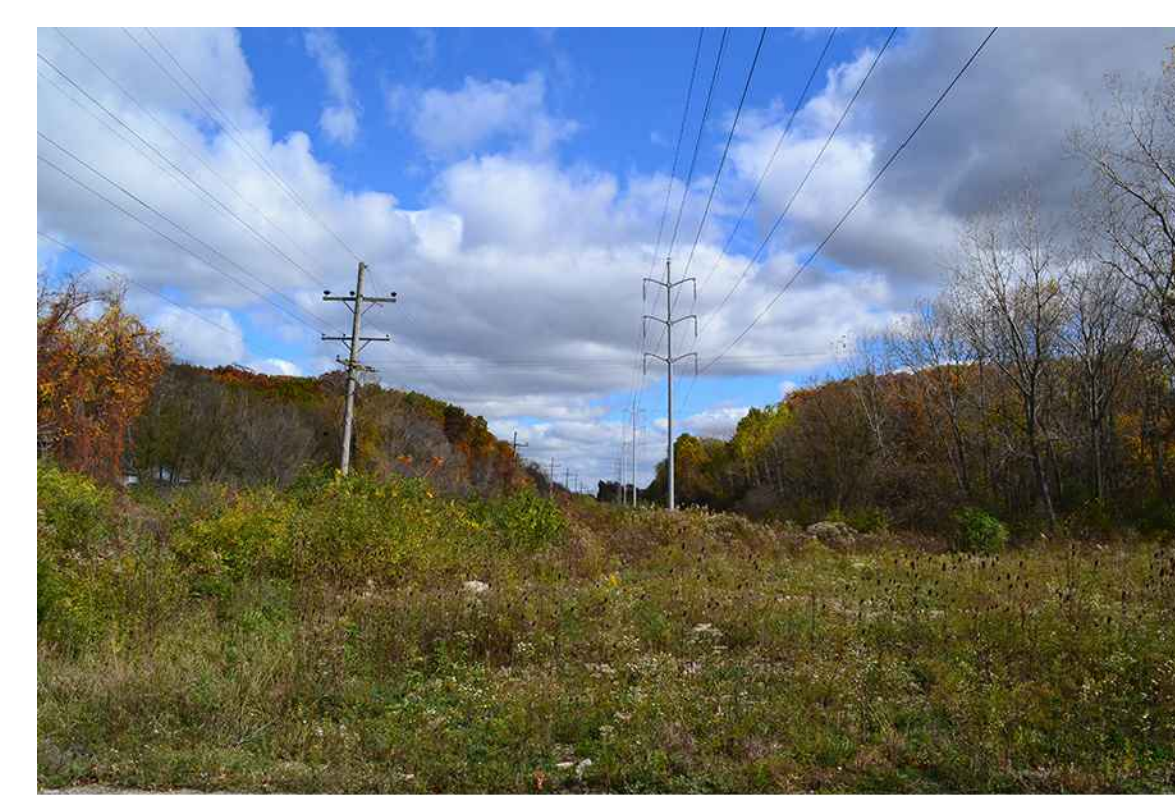




PRELIMINARY TRAIL ALIGNMENT

NO.	REVISION DATA	DATE

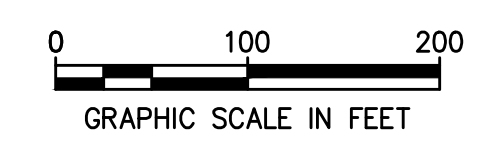
**THREE CREEKS TRAIL**  
**SUMMIT METRO PARKS**



1 TRAIL TO BE DEVELOPED BETWEEN RAILROAD AND OVERPASS COLUMNS

2 TRAIL TO BE DEVELOPED IN POWER LINE EASEMENT.

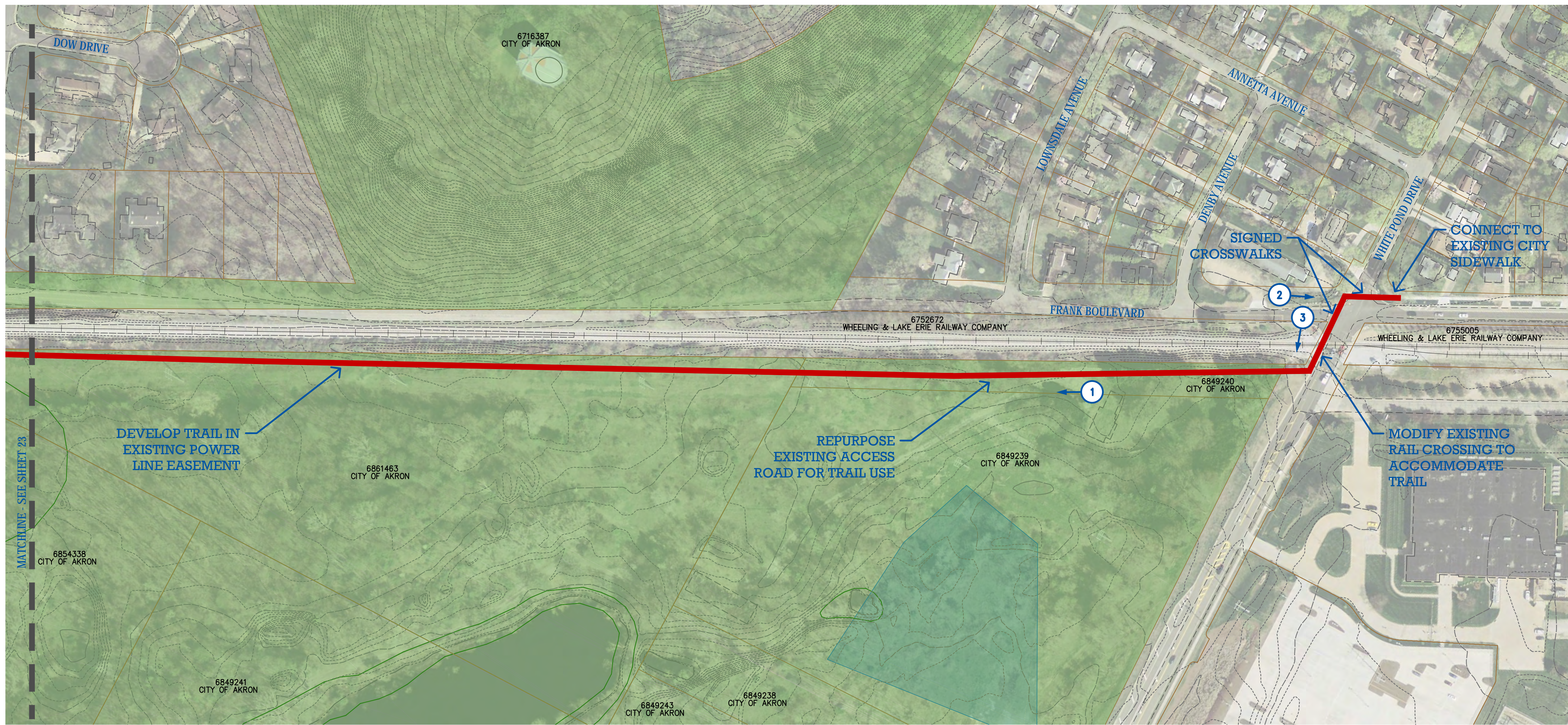
- LEGEND**
- Municipal Boundary
  - Existing Trail
  - Proposed Off Road Trail
  - Proposed Sidepath
  - Future City of Fairlawn Trail
  - Future Medina County Trail
  - Proposed Bridge
  - Culvert
  - Public Lands
  - Riparian Setback
  - NWI Wetland Boundary
  - Parcel Boundary
  - Trailhead



PROJECT NO.: 14-00179-010  
 DESIGNED BY: KL/UT  
 DRAWN BY: KL/UT  
 CHECKED BY: KL  
 DATE ISSUED: MARCH 13, 2015

**AKRON CONNECTOR**





PRELIMINARY TRAIL ALIGNMENT

NO.	REVISION DATA	DATE

**THREE CREEKS TRAIL**  
**SUMMIT METRO PARKS**



1 TRAIL TO BE DEVELOPED IN POWER LINE EASEMENT.



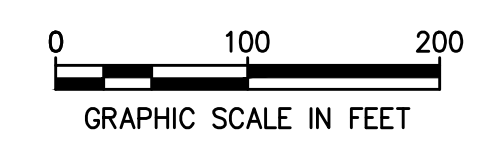
2 TRAIL TO CROSS INTERSECTION WITH SIGNED CROSSWALKS, AVOIDING EXISTING UTILITIES.



3 TRAIL TO UTILIZE EXISTING RAIL CROSSING.

**LEGEND**

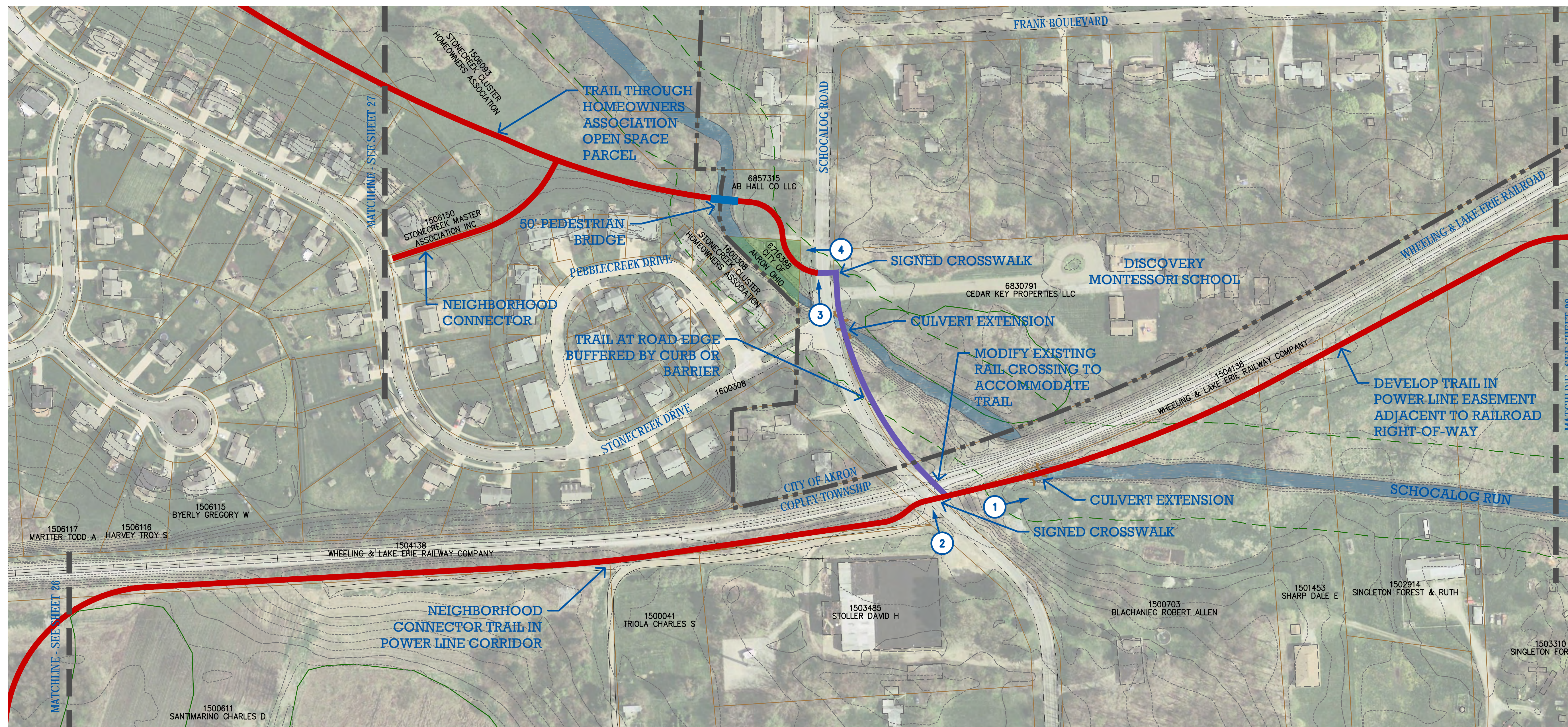
- Municipal Boundary
- Existing Trail
- Proposed Off Road Trail
- Proposed Sidepath
- Future City of Fairlawn Trail
- Future Medina County Trail
- Proposed Bridge
- Culvert
- Public Lands
- Riparian Setback
- NWI Wetland Boundary
- Parcel Boundary
- Trailhead



PROJECT NO.: 14-00179-010  
 DESIGNED BY: KL/JT  
 DRAWN BY: KL/JT  
 CHECKED BY: KL  
 DATE ISSUED: MARCH 13, 2015

AKRON CONNECTOR





PRELIMINARY TRAIL ALIGNMENT

NO.	REVISION DATA	DATE

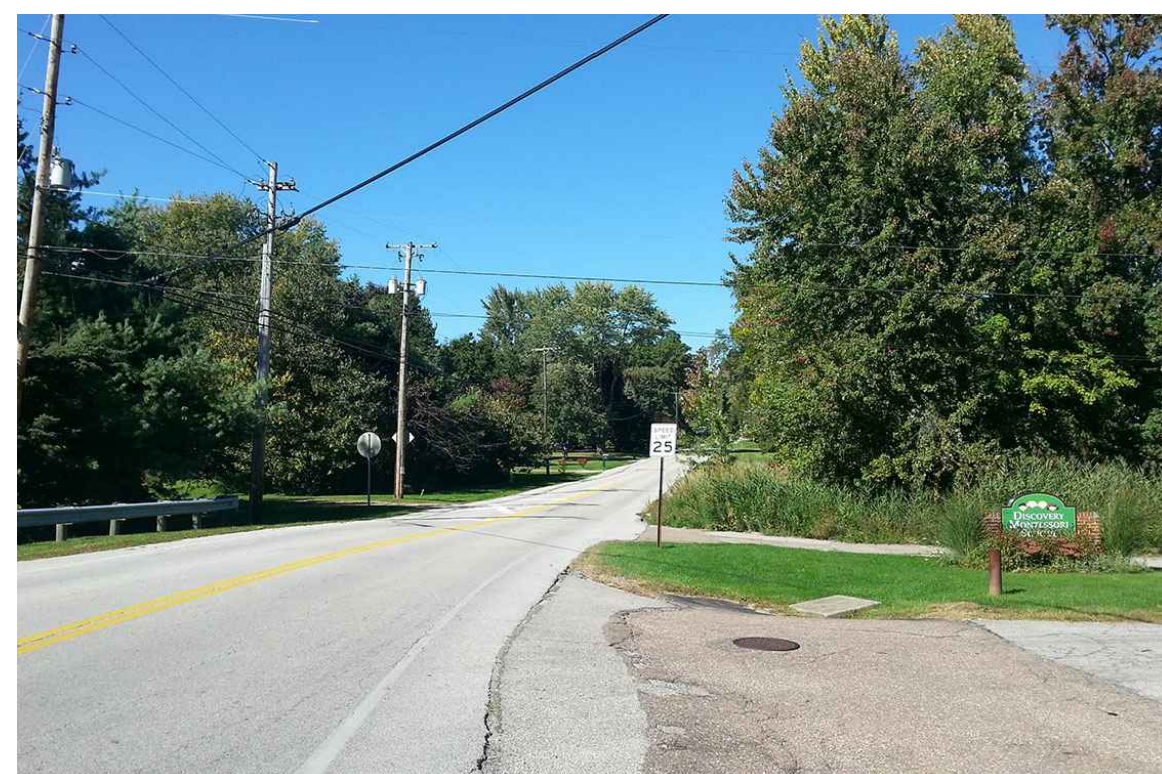
EXISTING CONDITIONS SITE PHOTOS



1 TRAIL TO BE DEVELOPED IN POWER LINE EASEMENT ADJACENT TO RAILROAD RIGHT-OF-WAY.



2 PROPOSED SOUTHERN TRAIL CROSSING AT SCHOCALOG ROAD TO UTILIZE EXISTING RAIL CROSSING.



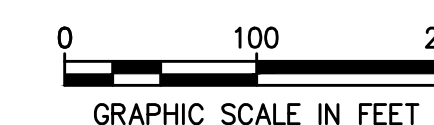
3 PROPOSED NORTHERN TRAIL CROSSING AT SCHOCALOG ROAD.



4 EXISTING CITY-OWNED PROPERTY.

**LEGEND**

- Municipal Boundary
- Existing Trail
- Proposed Off Road Trail
- Proposed Sidepath
- Future City of Fairlawn Trail
- Future Medina County Trail
- Proposed Bridge
- Culvert
- Public Lands
- Riparian Setback
- NWI Wetland Boundary
- Parcel Boundary
- Trailhead

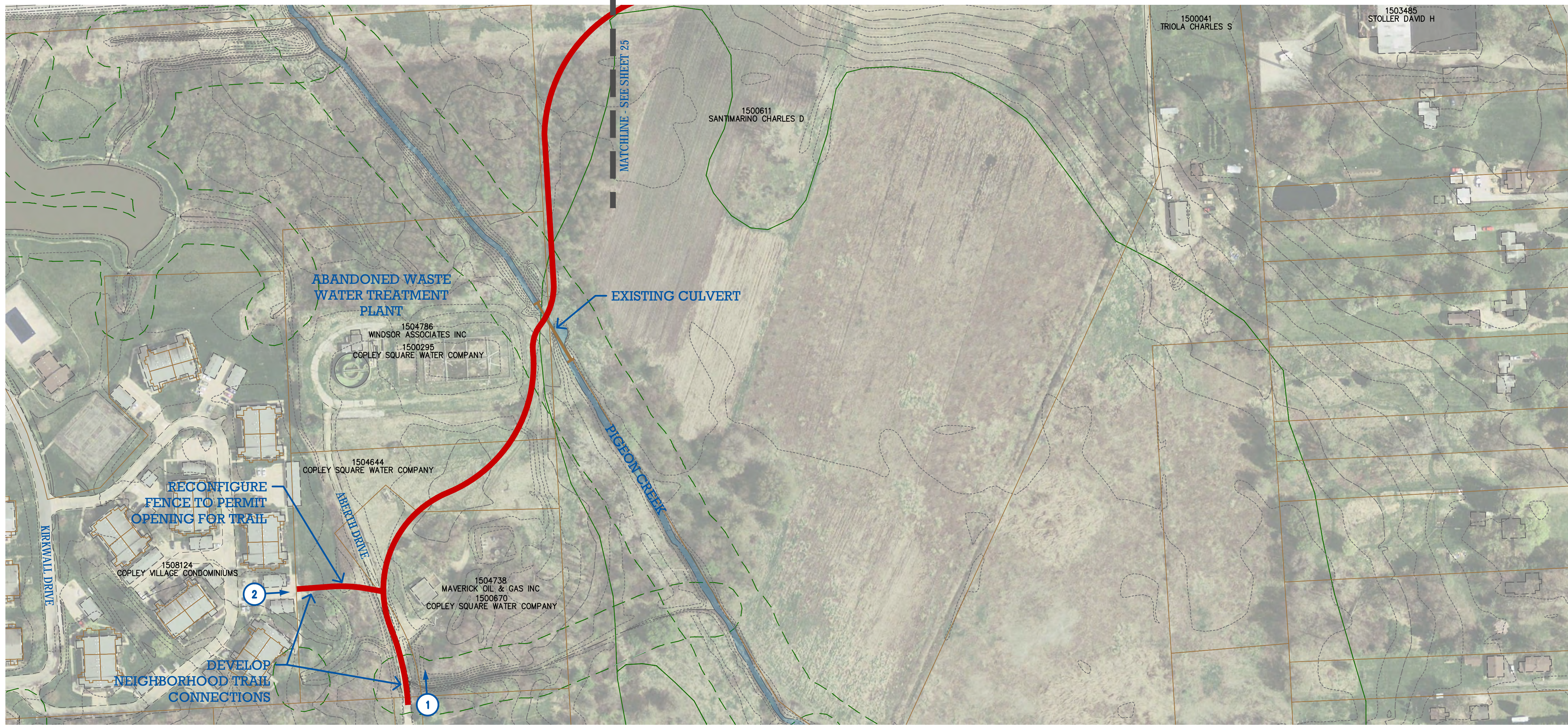


THREE CREEKS TRAIL  
 SUMMIT METRO PARKS

PROJECT NO.: 14-00179-010  
 DESIGNED BY: KL/JT  
 DRAWN BY: KL/JT  
 CHECKED BY: KL  
 DATE ISSUED: MARCH 13, 2015

SCHOCALOG RUN SEGMENT





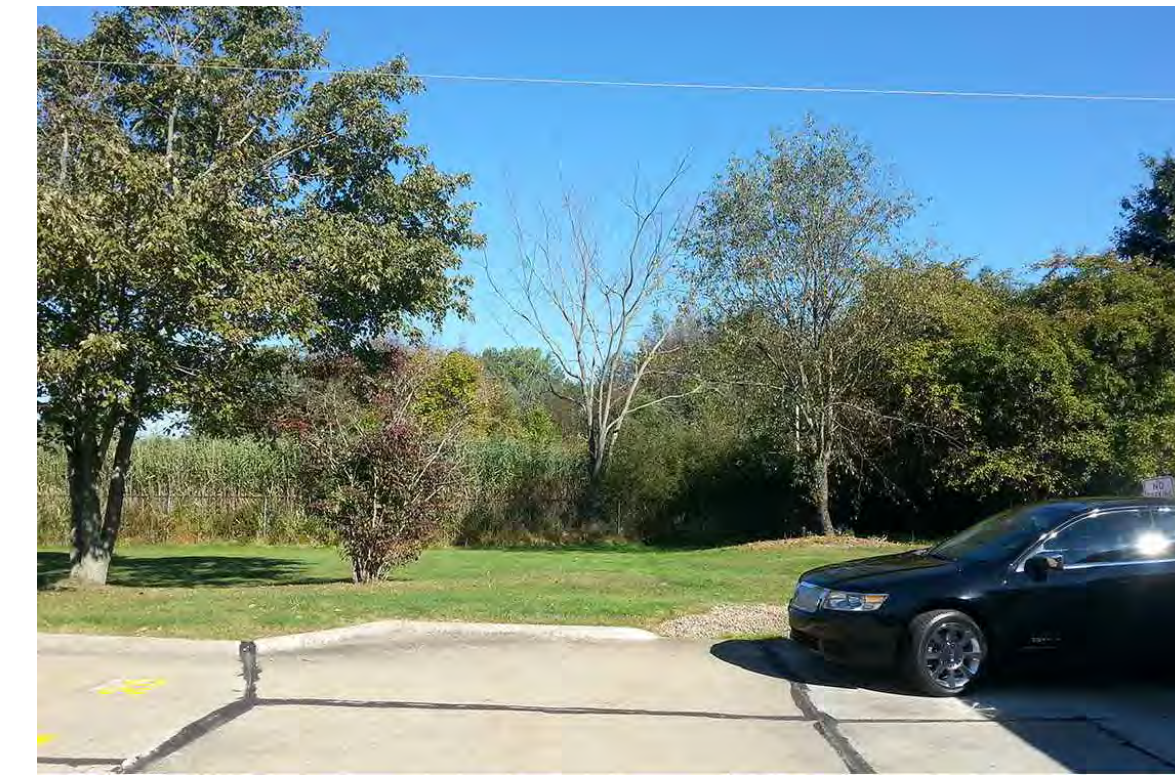
PRELIMINARY TRAIL ALIGNMENT	
NO.	REVISION DATA
	DATE

**THREE CREEKS TRAIL**  
**SUMMIT METRO PARKS**

**EXISTING CONDITIONS SITE PHOTOS**

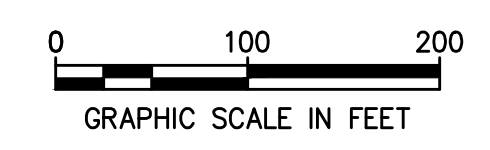


1 DEVELOP NEIGHBORHOOD TRAIL CONNECTIONS.



2 DEVELOP NEIGHBORHOOD TRAIL CONNECTIONS.

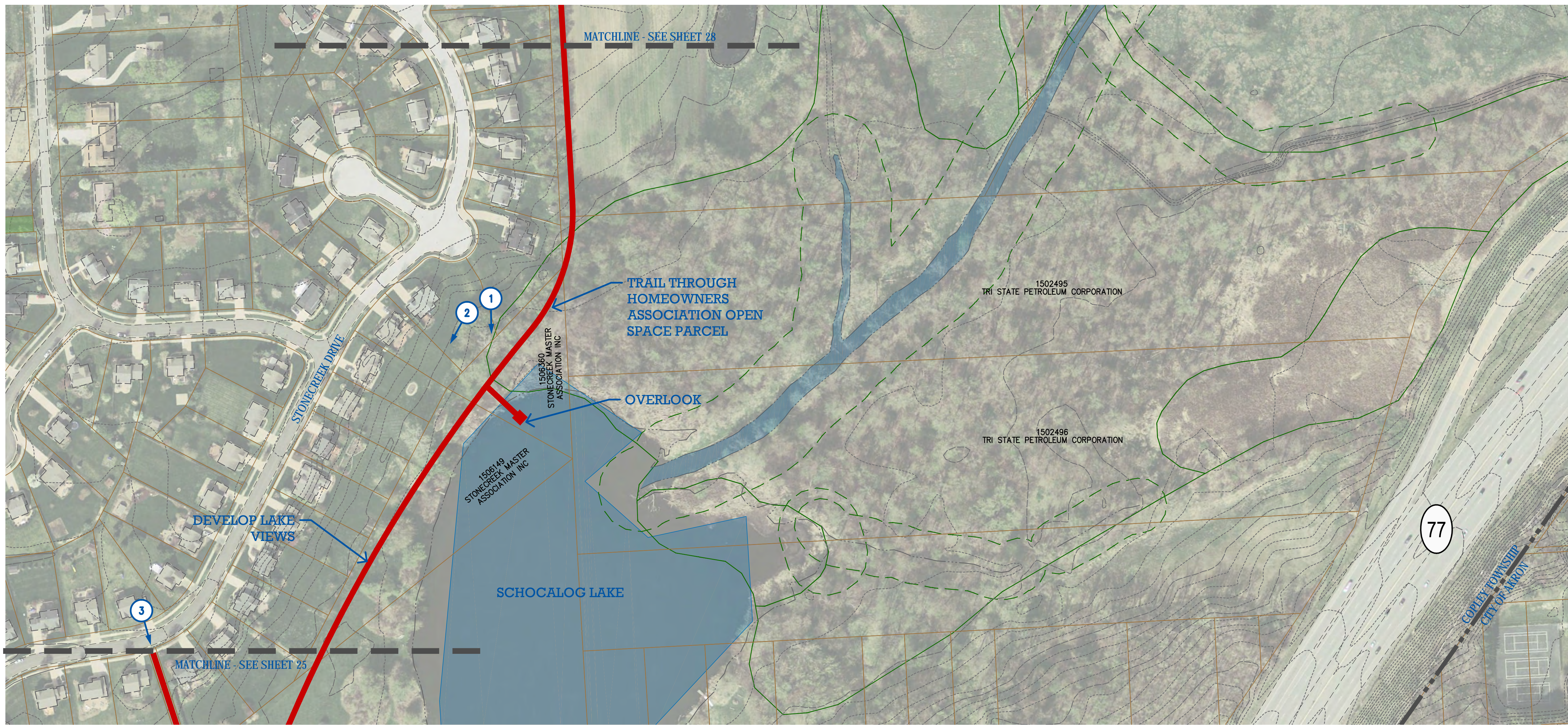
- LEGEND**
- Municipal Boundary
  - Existing Trail
  - Proposed Off Road Trail
  - Proposed Sidepath
  - Future City of Fairlawn Trail
  - Future Medina County Trail
  - Proposed Bridge
  - Culvert
  - Public Lands
  - Riparian Setback
  - NWI Wetland Boundary
  - Parcel Boundary
  - Trailhead



PROJECT NO.:	14-00179-010
DESIGNED BY:	KL/JT
DRAWN BY:	KL/JT
CHECKED BY:	KL
DATE ISSUED:	MARCH 13, 2015

**COPLEY CONNECTOR**





PRELIMINARY TRAIL ALIGNMENT

NO.	REVISION DATA	DATE

**THREE CREEKS TRAIL**  
**SUMMIT METRO PARKS**

EXISTING CONDITIONS SITE PHOTOS



1 DEVELOP VIEWS TO SCHOCALOG LAKE.



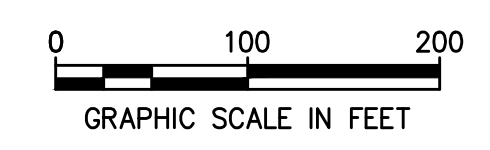
2 TRAIL TO BE DEVELOPED ON HOME OWNERS ASSOCIATION OPEN SPACE PARCEL.



3 DEVELOP NEIGHBORHOOD TRAIL CONNECTION.

**LEGEND**

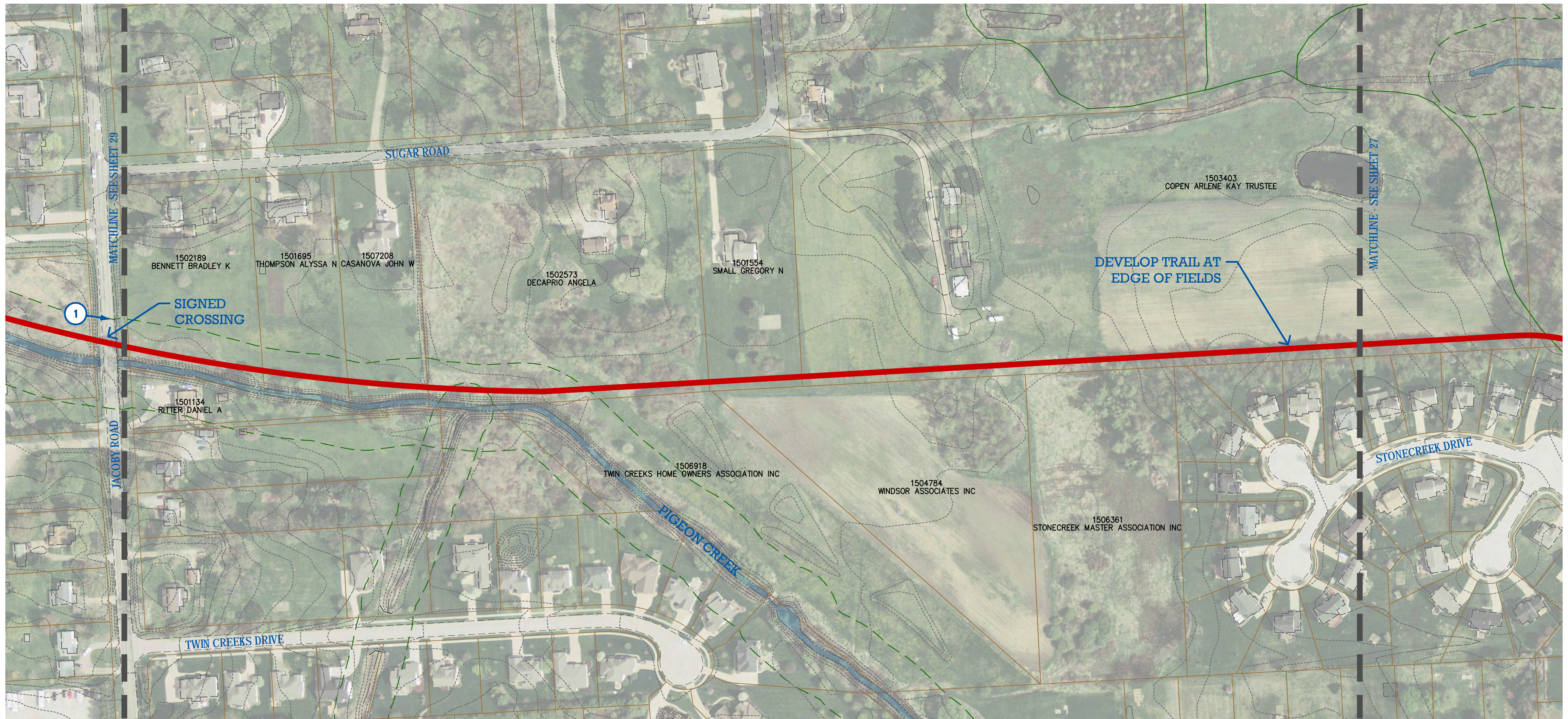
- Municipal Boundary
- Existing Trail
- Proposed Off Road Trail
- Proposed Sidepath
- Future City of Fairlawn Trail
- Future Medina County Trail
- Proposed Bridge
- Culvert
- Public Lands
- Riparian Setback
- NWI Wetland Boundary
- Parcel Boundary
- Trailhead



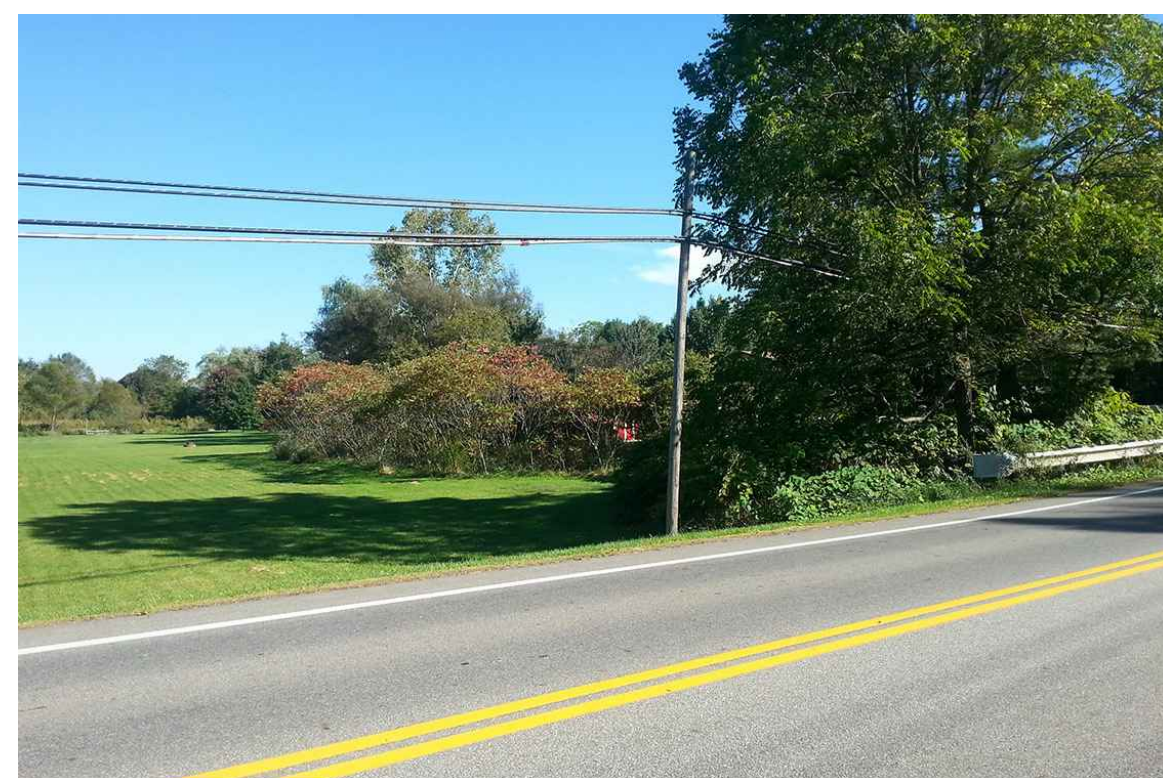
PROJECT NO.: 14-00179-010  
 DESIGNED BY: KL/JT  
 DRAWN BY: KL/JT  
 CHECKED BY: KL  
 DATE ISSUED: MARCH 13, 2015

**SCHOCALOG RUN SEGMENT**





EXISTING CONDITIONS SITE PHOTOS



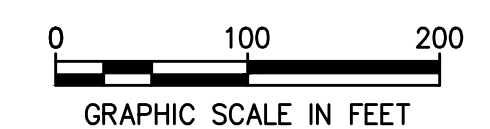
1 DEVELOP TRAIL AT EDGE OF FARM FIELDS.

LEGEND

- Municipal Boundary
- Existing Trail
- Proposed Off Road Trail
- Proposed Sidepath
- Future City of Fairlawn Trail
- Future Medina County Trail
- Proposed Bridge
- Culvert
- Public Lands
- Riparian Setback
- NWI Wetland Boundary
- Parcel Boundary
- Trailhead



NORTH



GRAPHIC SCALE IN FEET

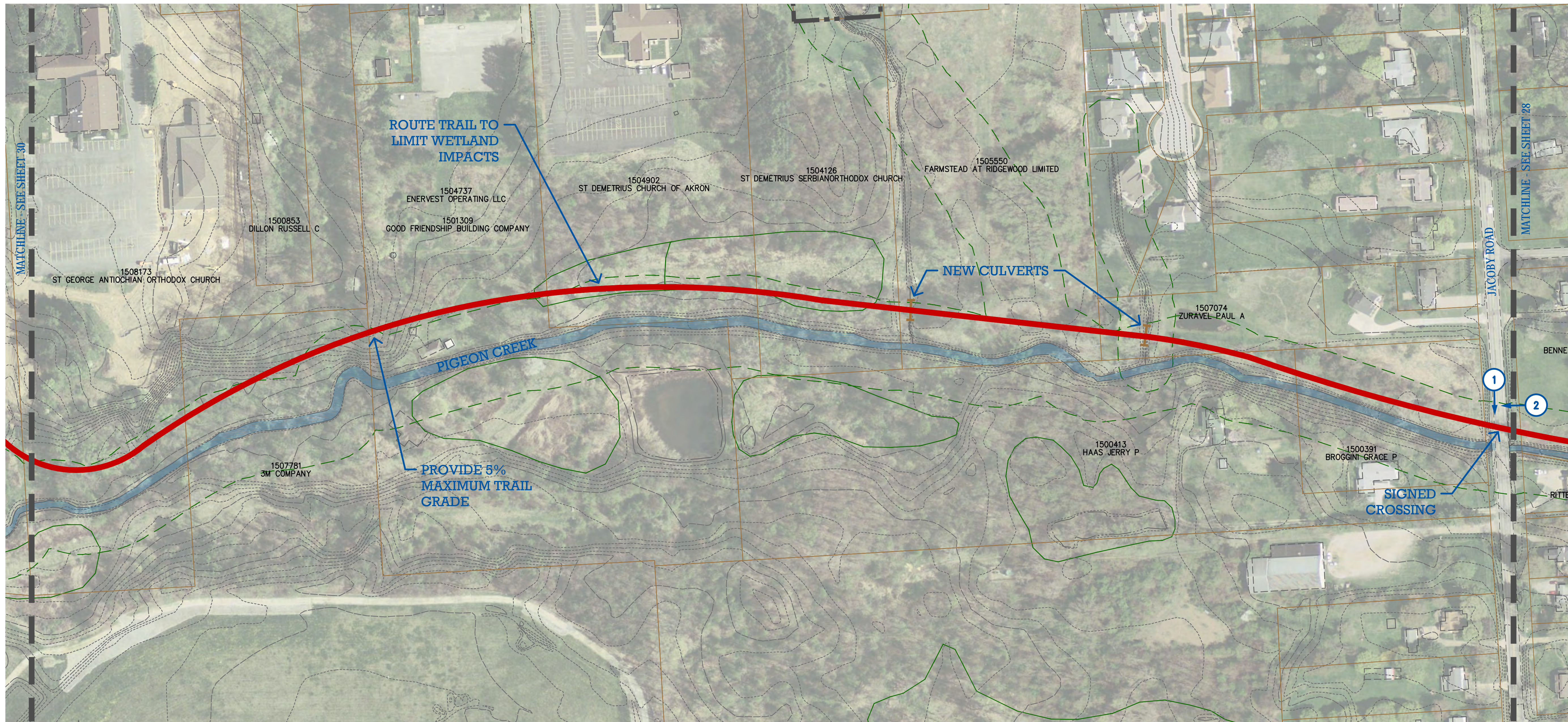
PRELIMINARY TRAIL ALIGNMENT	
NO.	REVISION DATA
	DATE

**THREE CREEKS TRAIL**  
**SUMMIT METRO PARKS**

PROJECT NO.: 14-00179-010  
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**SCHOCALOG RUN SEGMENT**





EXISTING CONDITIONS SITE PHOTOS



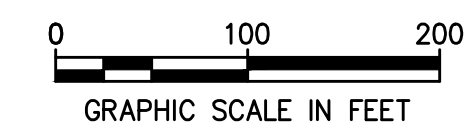
1 TRAIL CROSSING AT JACOBY ROAD.



2 TRAIL TO FOLLOW EDGE OF PIGEON CREEK

LEGEND

- Municipal Boundary
- Existing Trail
- Proposed Off Road Trail
- Proposed Sidepath
- Future City of Fairlawn Trail
- Future Medina County Trail
- Proposed Bridge
- Culvert
- Public Lands
- Riparian Setback
- NWI Wetland Boundary
- Parcel Boundary
- Trailhead



PRELIMINARY TRAIL ALIGNMENT

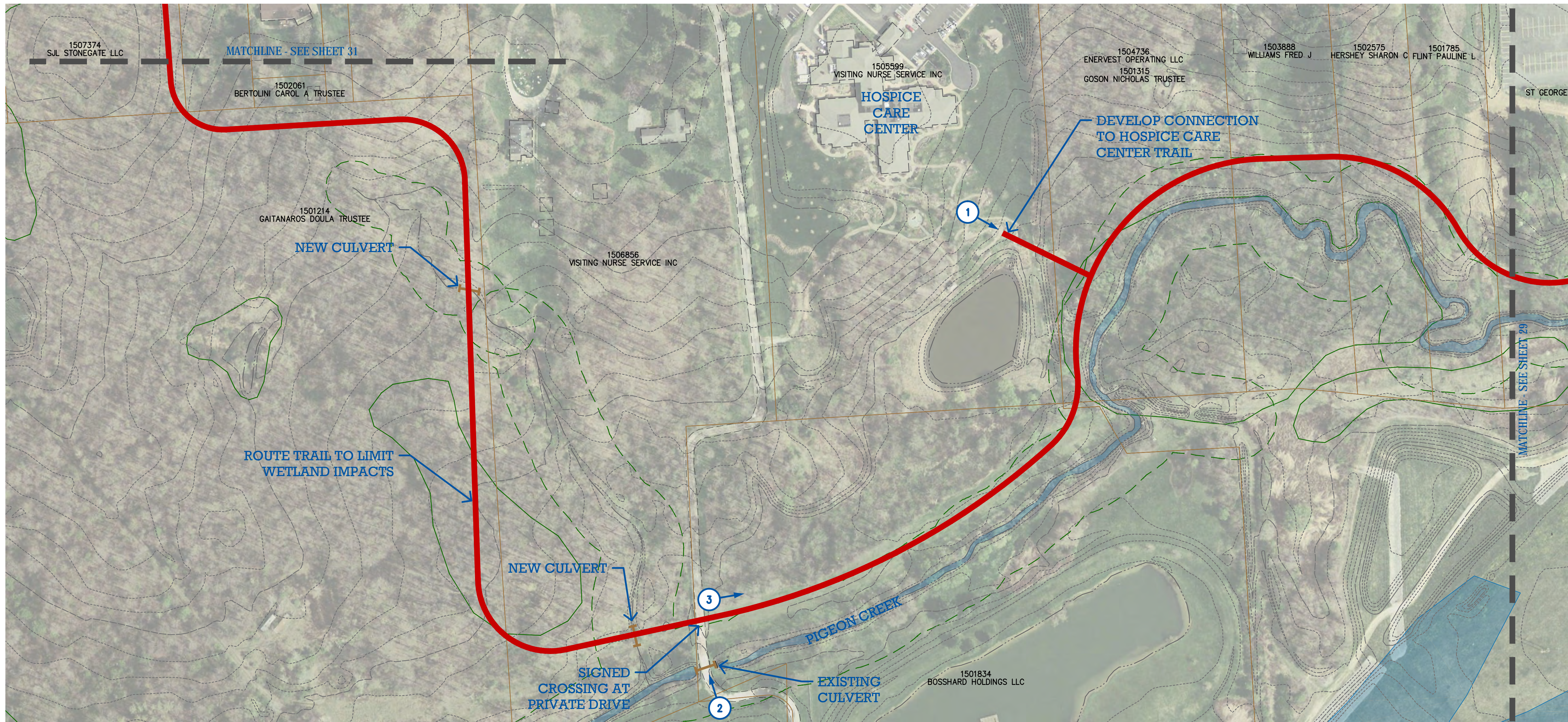
NO.	REVISION DATA	DATE

THREE CREEKS TRAIL  
SUMMIT METRO PARKS

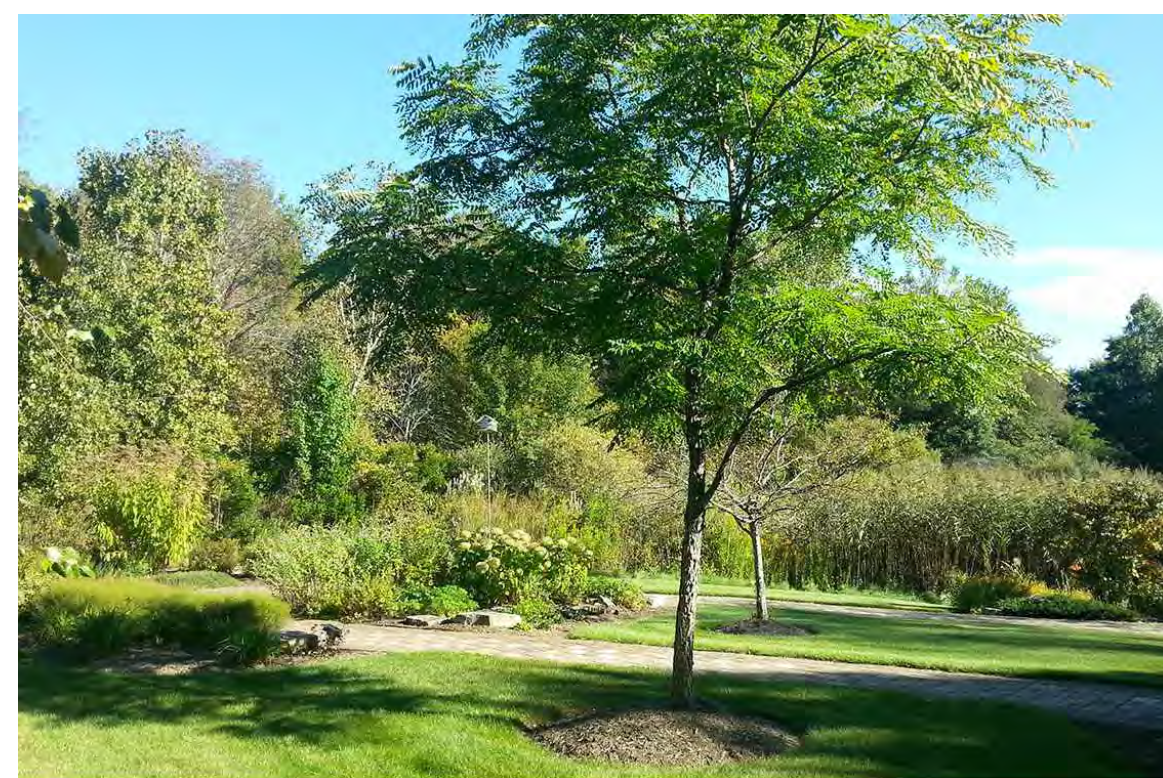
PROJECT NO.:	14-00179-010
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DRAWN BY:	KL/JT
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SCHOCALOG RUN SEGMENT





EXISTING CONDITIONS SITE PHOTOS



1 DEVELOP CONNECTION TO HOSPICE CARE CENTER.



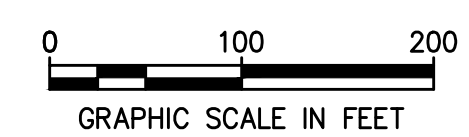
2 TRAIL CROSSING AT PRIVATE DRIVE.



3 TRAIL TO FOLLOW EXISTING CLEARING.

LEGEND

- Municipal Boundary
- Existing Trail
- Proposed Off Road Trail
- Proposed Sidepath
- Future City of Fairlawn Trail
- Future Medina County Trail
- Proposed Bridge
- Culvert
- Public Lands
- Riparian Setback
- NWI Wetland Boundary
- Parcel Boundary
- Trailhead



PRELIMINARY TRAIL ALIGNMENT

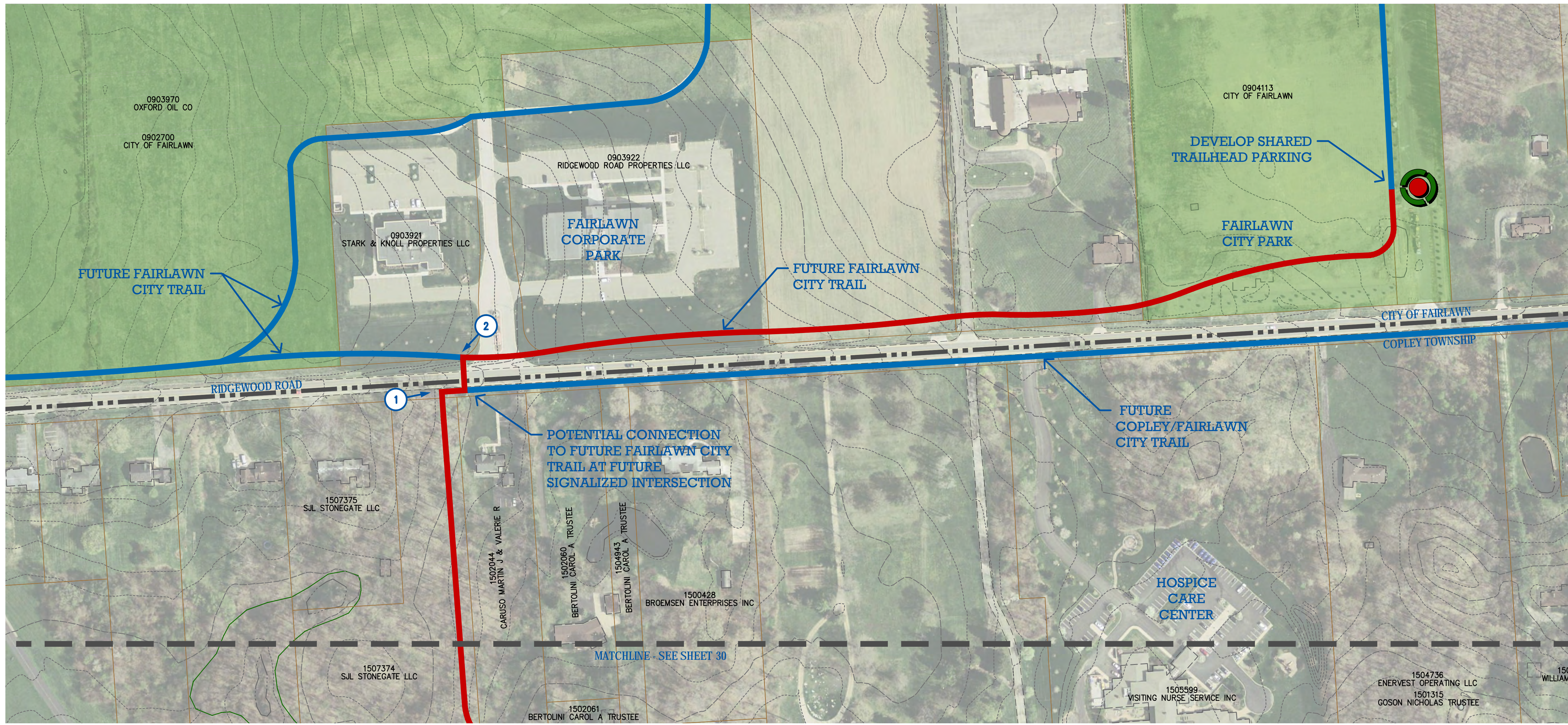
NO.	REVISION DATA	DATE

THREE CREEKS TRAIL  
SUMMIT METRO PARKS

PROJECT NO.: 14-00179-010  
 DESIGNED BY: KL/JT  
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 DATE ISSUED: MARCH 13, 2015

SCHOCALOG RUN SEGMENT





PRELIMINARY TRAIL ALIGNMENT	
NO.	REVISION DATA

THREE CREEKS TRAIL  
 SUMMIT METRO PARKS

PROJECT NO.: 14-00179-010  
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SCHOCALOG RUN  
 SEGMENT

EXISTING CONDITIONS SITE PHOTOS



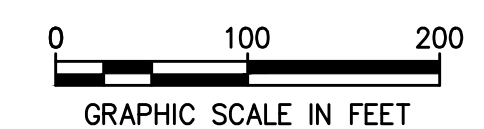
1 TRAIL CROSSING AT POTENTIAL FUTURE SIGNALIZED INTERSECTION.



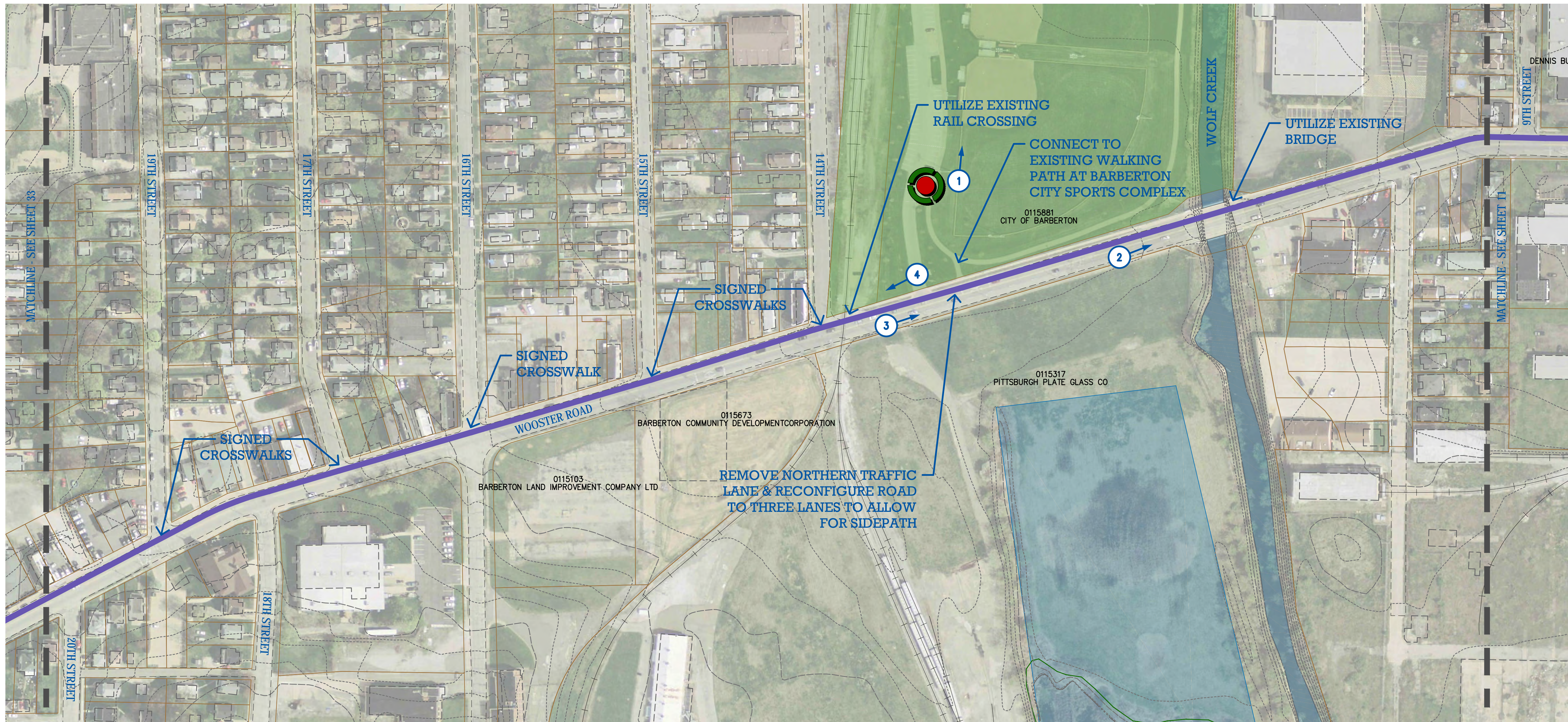
2 TRAIL CROSSING AT POTENTIAL FUTURE SIGNALIZED INTERSECTION WITH A BRIEF SIDEPATH ON RIDGEWOOD ROAD.

LEGEND

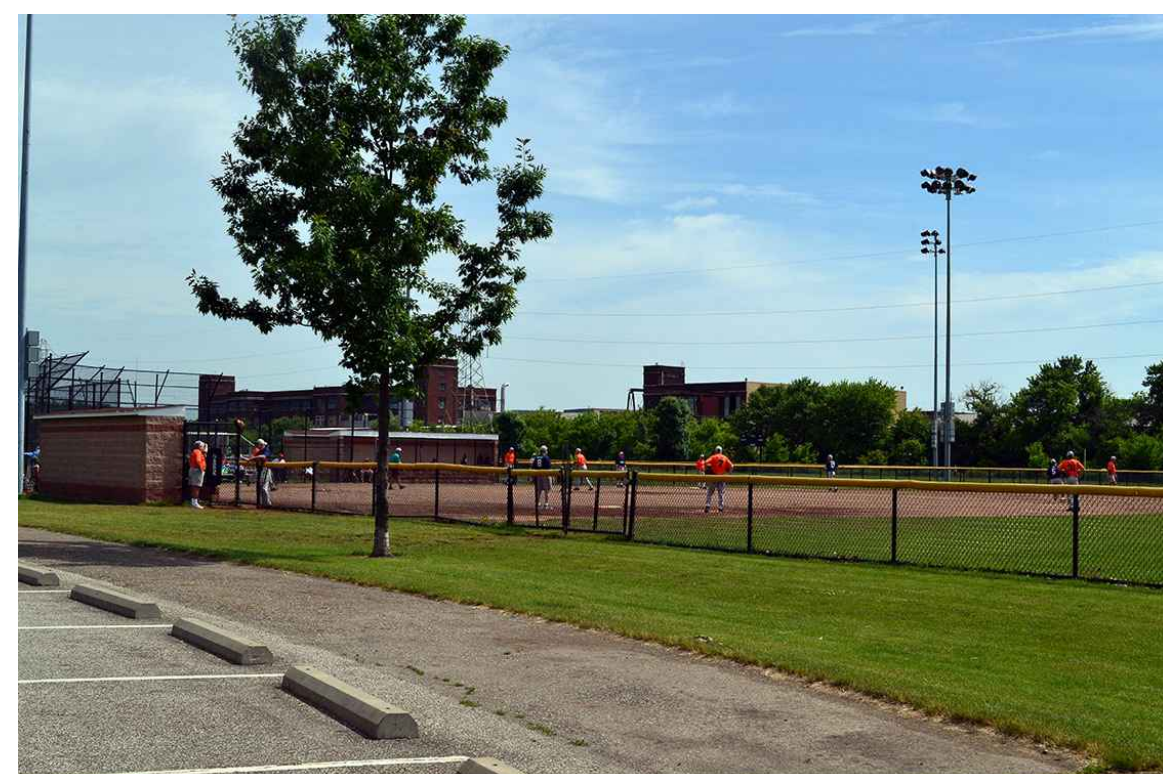
- Municipal Boundary
- Existing Trail
- Proposed Off Road Trail
- Proposed Sidepath
- Future City of Fairlawn Trail
- Future Medina County Trail
- Proposed Bridge
- Culvert
- Public Lands
- Riparian Setback
- NWI Wetland Boundary
- Parcel Boundary
- Trailhead



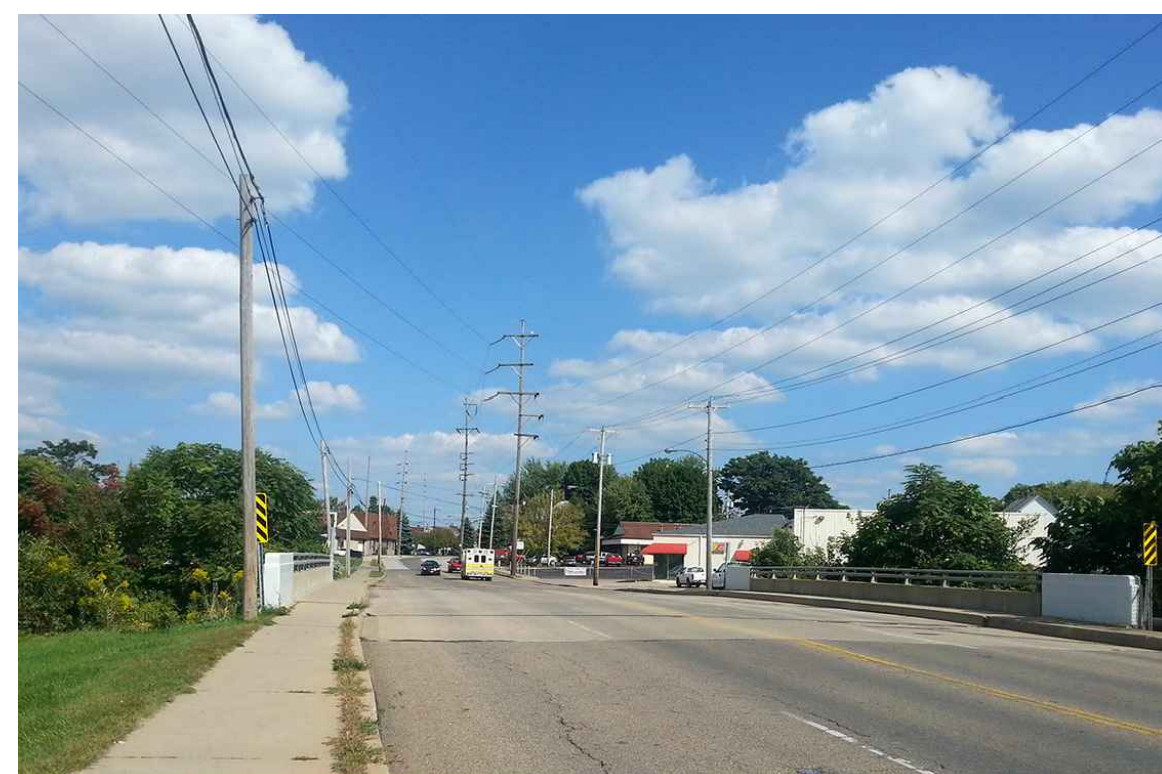




EXISTING CONDITIONS SITE PHOTOS



1 CONNECT TO EXISTING WALKING PATH AT BARBERTON CITY SPORTS COMPLEX



2 EXISTING BRIDGE ON WOOSTER ROAD. WOOSTER ROAD TO BE RECONFIGURED TO THREE LANES WITH A SIDEPATH ON THE NORTH (LEFT) SIDE.



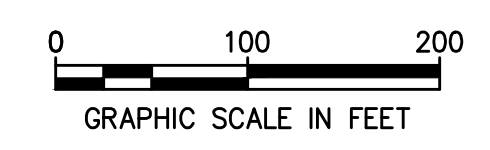
3 CONNECT TO EXISTING WALKING PATH AT BARBERTON CITY SPORTS COMPLEX.



4 SIDEPATH TO UTILIZE/IMPROVE EXISTING RAILROAD CROSSING.

**LEGEND**

- Municipal Boundary
- Existing Trail
- Proposed Off Road Trail
- Proposed Sidepath
- Future City of Fairlawn Trail
- Future Medina County Trail
- Proposed Bridge
- Culvert
- Public Lands
- Riparian Setback
- NWI Wetland Boundary
- Parcel Boundary
- Trailhead



PRELIMINARY TRAIL ALIGNMENT

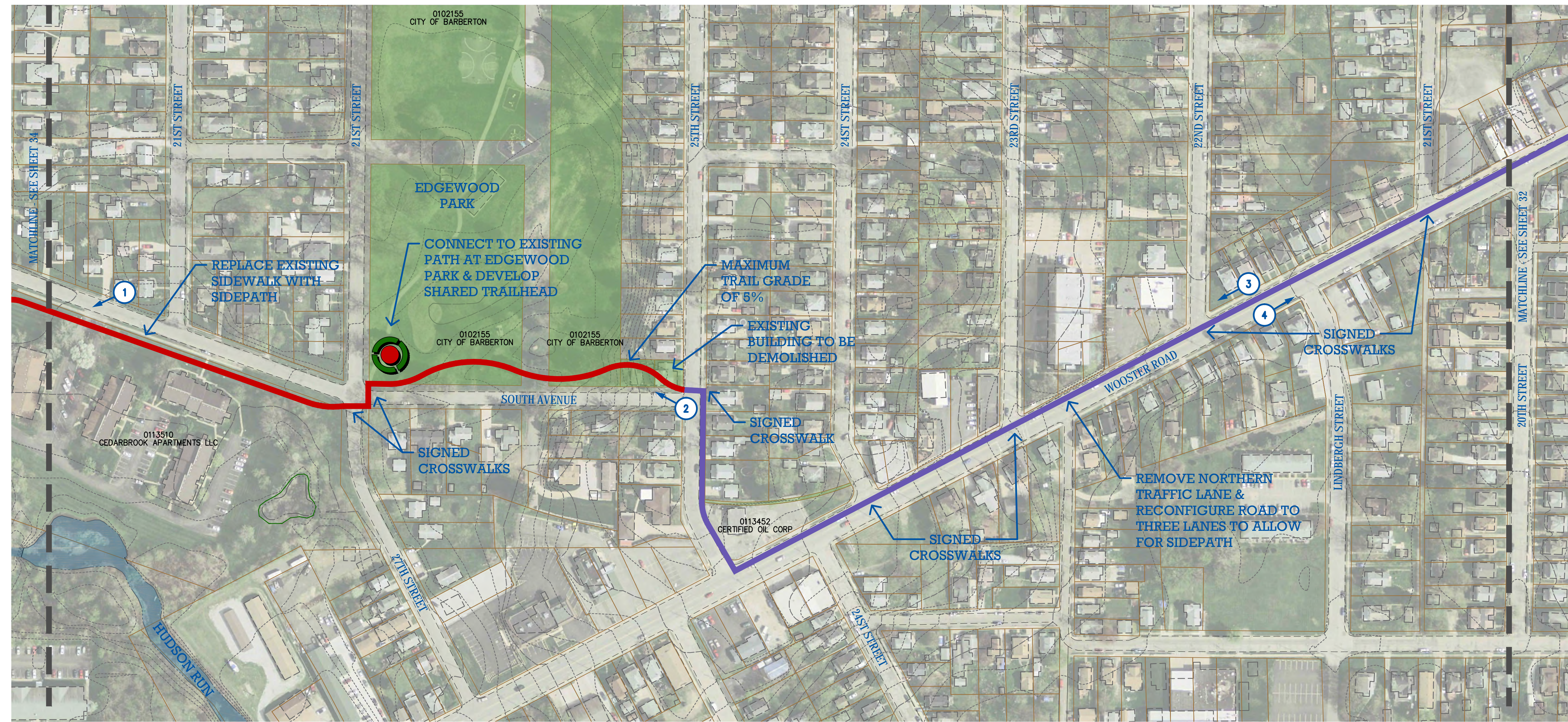
NO.	REVISION DATA	DATE

**THREE CREEKS TRAIL**  
**SUMMIT METRO PARKS**

PROJECT NO.: 14-00179-010  
 DESIGNED BY: KL/JT  
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 CHECKED BY: KL  
 DATE ISSUED: MARCH 13, 2015

**SILVER CREEK SEGMENT**

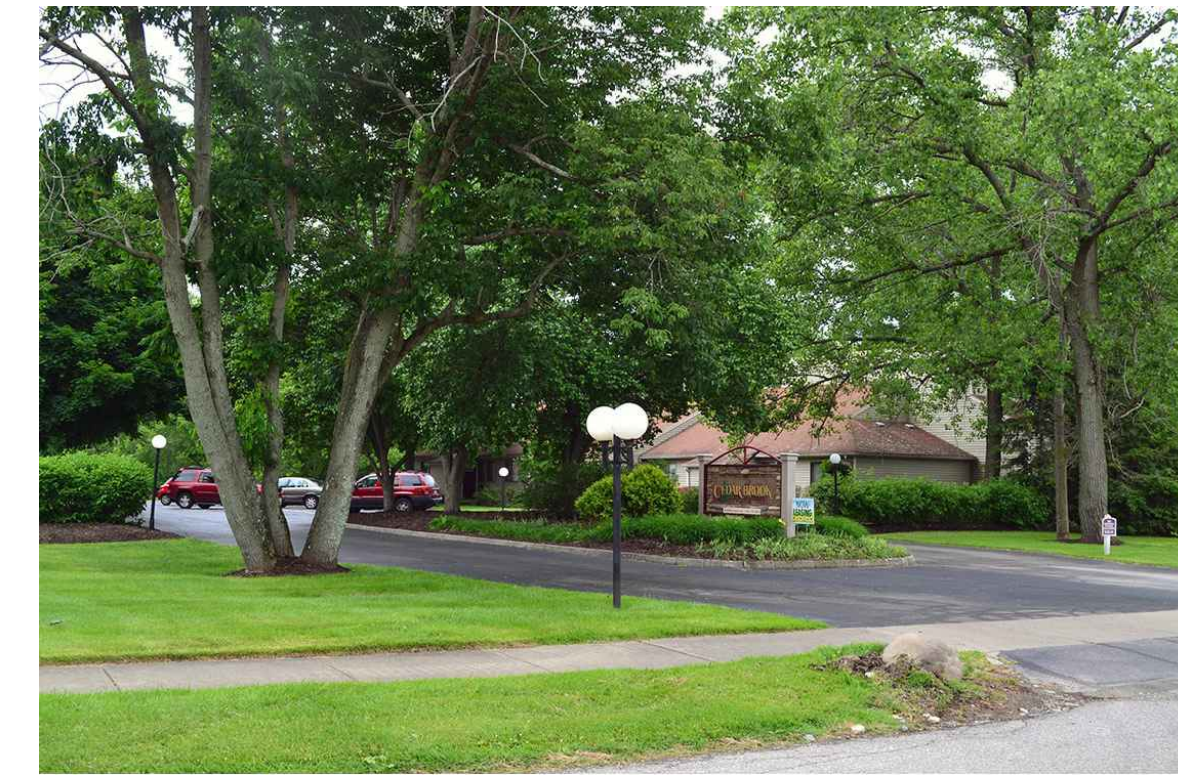




PRELIMINARY TRAIL ALIGNMENT

NO.	REVISION DATA	DATE

EXISTING CONDITIONS SITE PHOTOS



1 CEDAR BROOK STREET FRONTAGE



2 EXISTING BUILDING TO BE DEMOLISHED. MAXIMUM TRAIL GRADE OF 5% TO EDGEWOOD PARK.



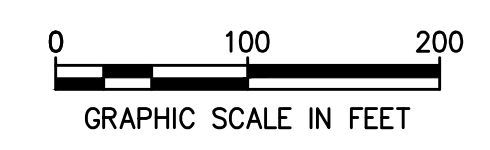
3 WOOSTER ROAD TO BE RECONFIGURED TO THREE LANES WITH A SIDEPATH ON THE NORTH (RIGHT) SIDE.



4 WOOSTER ROAD TO BE RECONFIGURED TO THREE LANES WITH A SIDEPATH ON THE NORTH (LEFT) SIDE.

**LEGEND**

- Municipal Boundary
- Existing Trail
- Proposed Off Road Trail
- Proposed Sidepath
- Future City of Fairlawn Trail
- Future Medina County Trail
- Proposed Bridge
- Culvert
- Public Lands
- Riparian Setback
- NWI Wetland Boundary
- Parcel Boundary
- Trailhead

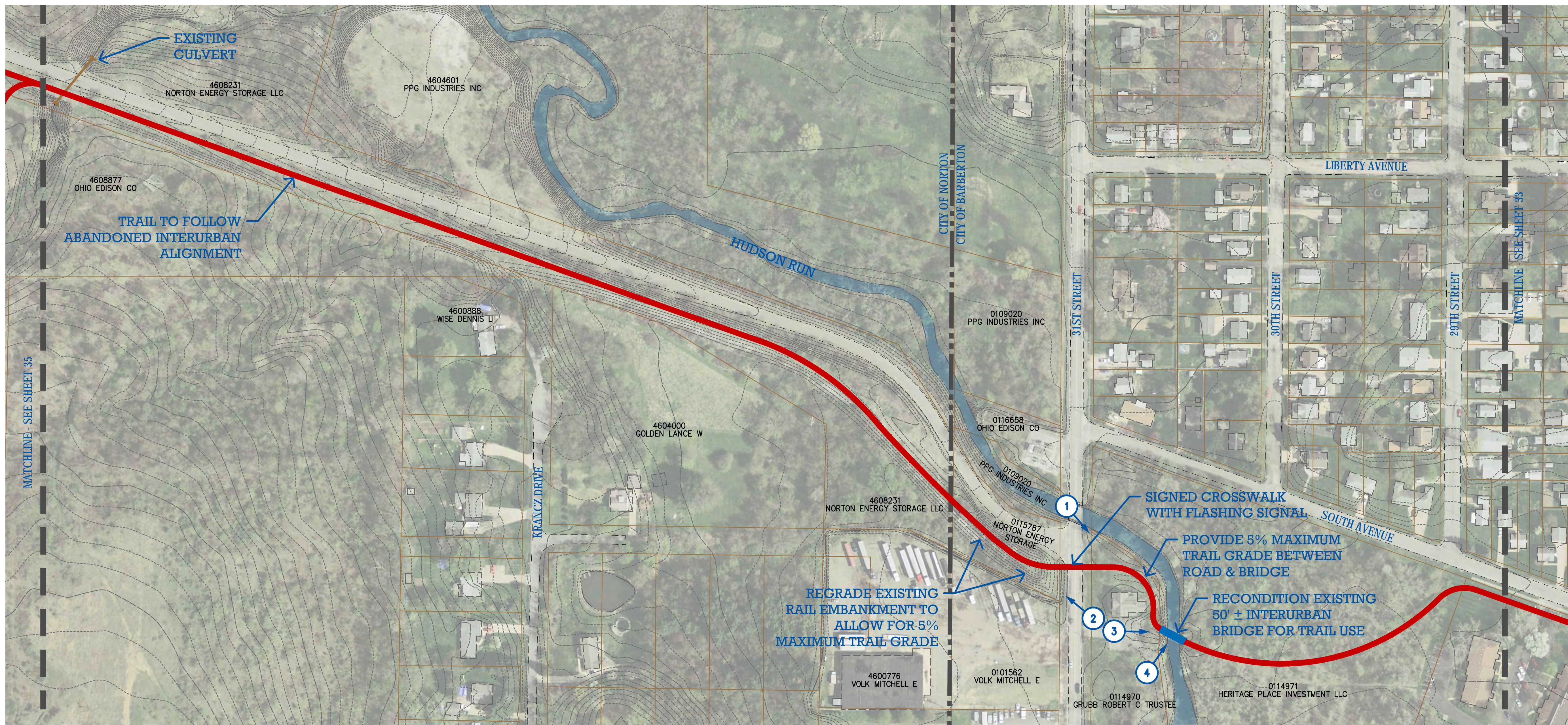


THREE CREEKS TRAIL  
 SUMMIT METRO PARKS

PROJECT NO.: 14-00179-010  
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SILVER CREEK SEGMENT





PRELIMINARY TRAIL ALIGNMENT

NO.	REVISION DATA	DATE

EXISTING CONDITIONS SITE PHOTOS



1 PROPOSED ROAD CROSSING AT 31ST STREET, SOUTH OF HUDSON RUN BRIDGE



2 PROPOSED ROAD CROSSING AT 31ST STREET. REGRADE EXISTING EMBANKMENT TO ALLOW FOR 5% MAXIMUM TRAIL GRADE.



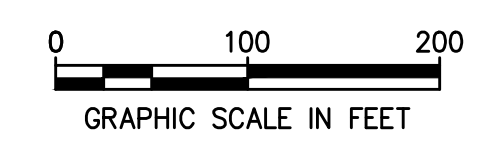
3 EXISTING INTERURBAN BRIDGE TO BE RECONDITIONED FOR TRAIL USE.



4 EXISTING INTERURBAN BRIDGE TO BE RECONDITIONED FOR TRAIL USE.

**LEGEND**

- Municipal Boundary
- Existing Trail
- Proposed Off Road Trail
- Proposed Sidepath
- Future City of Fairlawn Trail
- Future Medina County Trail
- Proposed Bridge
- Culvert
- Public Lands
- Riparian Setback
- NWI Wetland Boundary
- Parcel Boundary
- Trailhead

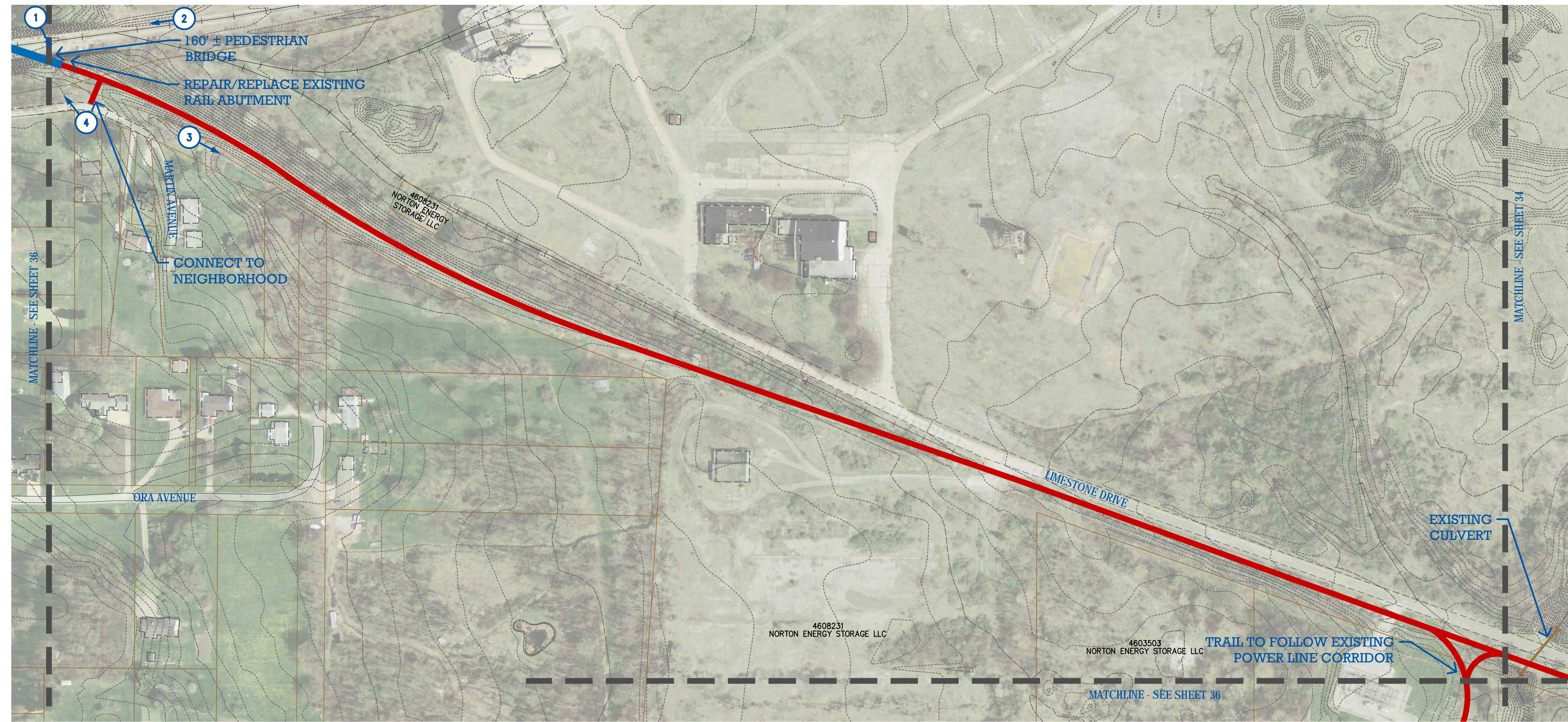


THREE CREEKS TRAIL  
 SUMMIT METRO PARKS

PROJECT NO.: 14-00179-010  
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SILVER CREEK SEGMENT





PRELIMINARY TRAIL ALIGNMENT

NO.	REVISION DATA	DATE

**THREE CREEKS TRAIL**  
**SUMMIT METRO PARKS**

EXISTING CONDITIONS SITE PHOTOS



1 EXISTING RAIL ABUTMENTS TO BE REPAIRED OR REPLACED WITH THE ADDITION OF A PEDESTRIAN BRIDGE.



2 EXISTING RAIL ABUTMENTS TO BE REPAIRED OR REPLACED WITH THE ADDITION OF A PEDESTRIAN BRIDGE. BRIDGE TO PROVIDE ADEQUATE CLEARANCE FOR ACTIVE RAIL LINE.



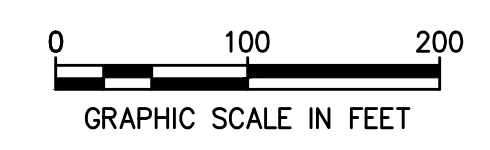
3 PROPOSED TRAIL TO FOLLOW ABANDONED INTERURBAN ROUTE.



4 OVERHEAD POWER LINES ABOVE PROPOSED PEDESTRIAN BRIDGE TO BE PROTECTED DURING CONSTRUCTION.

**LEGEND**

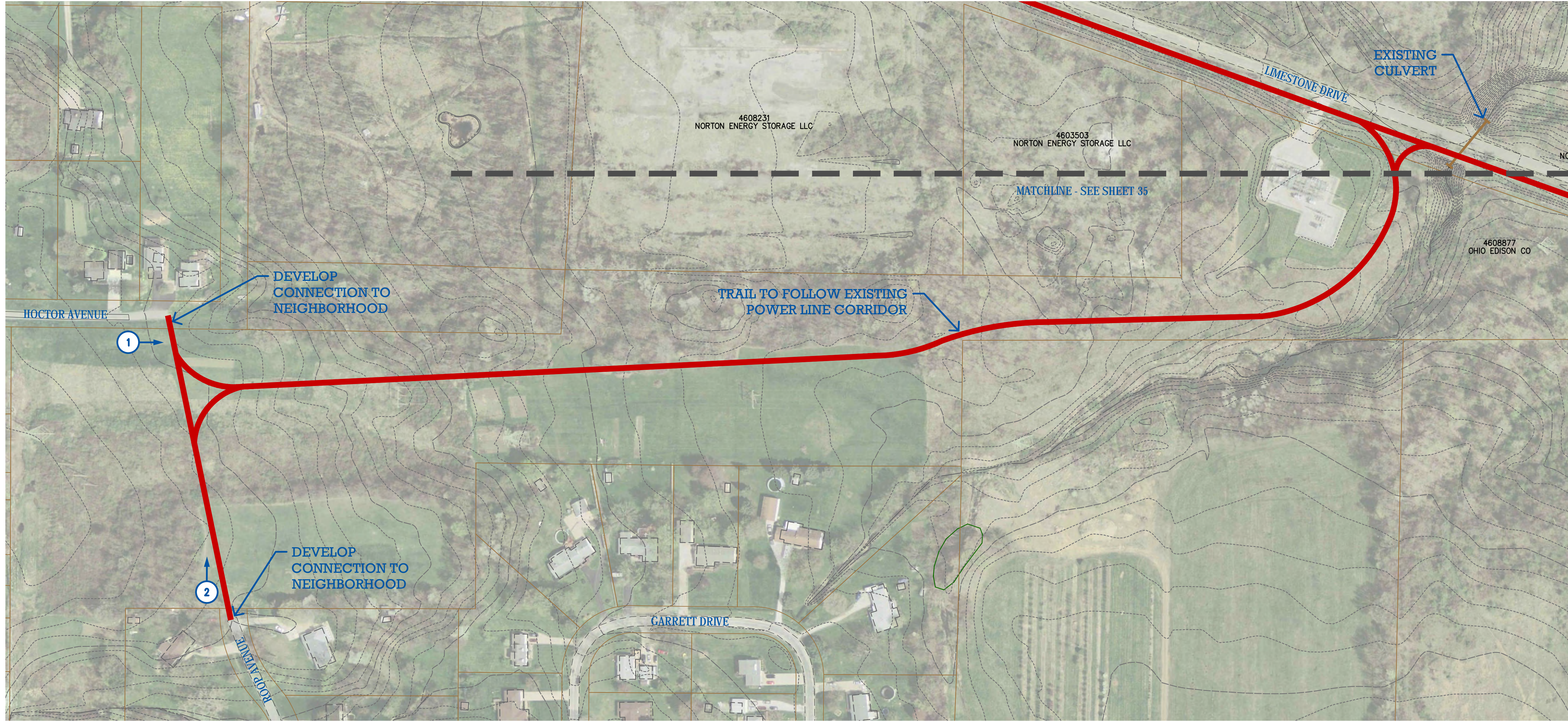
- Municipal Boundary
- Existing Trail
- Proposed Off Road Trail
- Proposed Sidepath
- Future City of Fairlawn Trail
- Future Medina County Trail
- Proposed Bridge
- Culvert
- Public Lands
- Riparian Setback
- NWI Wetland Boundary
- Parcel Boundary
- Trailhead



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SILVER CREEK SEGMENT





PRELIMINARY TRAIL ALIGNMENT

NO.	REVISION DATA	DATE

**THREE CREEKS TRAIL**  
**SUMMIT METRO PARKS**

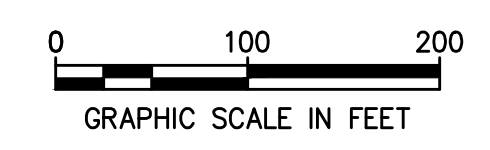
EXISTING CONDITIONS SITE PHOTOS



1 DEVELOP CONNECTIONS TO NEIGHBORHOODS ALONG POWER LINE EASEMENT.

2 DEVELOP CONNECTION BETWEEN NEIGHBORHOODS.

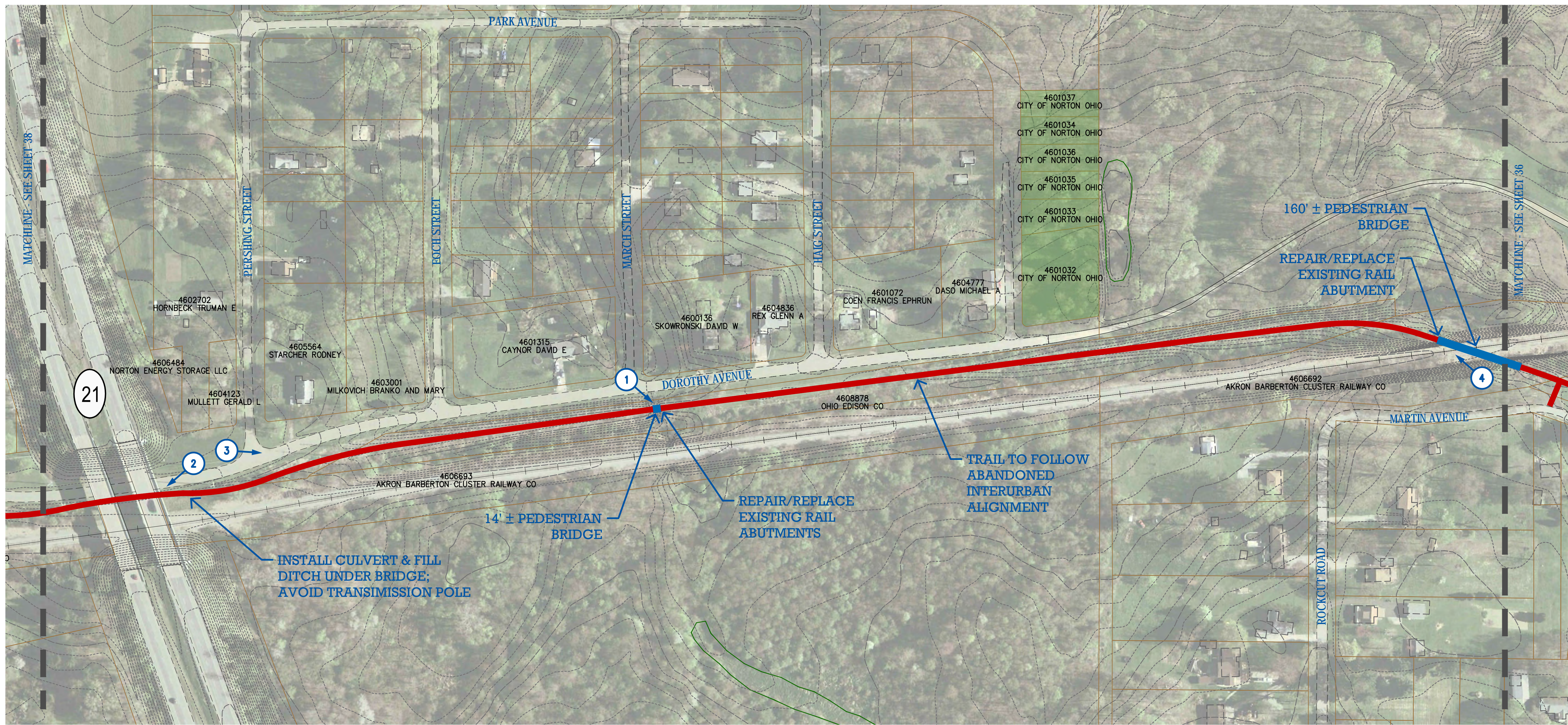
- LEGEND**
- Municipal Boundary
  - Existing Trail
  - Proposed Off Road Trail
  - Proposed Sidepath
  - Future City of Fairlawn Trail
  - Future Medina County Trail
  - Proposed Bridge
  - Culvert
  - Public Lands
  - Riparian Setback
  - NWI Wetland Boundary
  - Parcel Boundary
  - Trailhead



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**NORTON CONNECTOR**





PRELIMINARY TRAIL ALIGNMENT

NO.	REVISION DATA	DATE

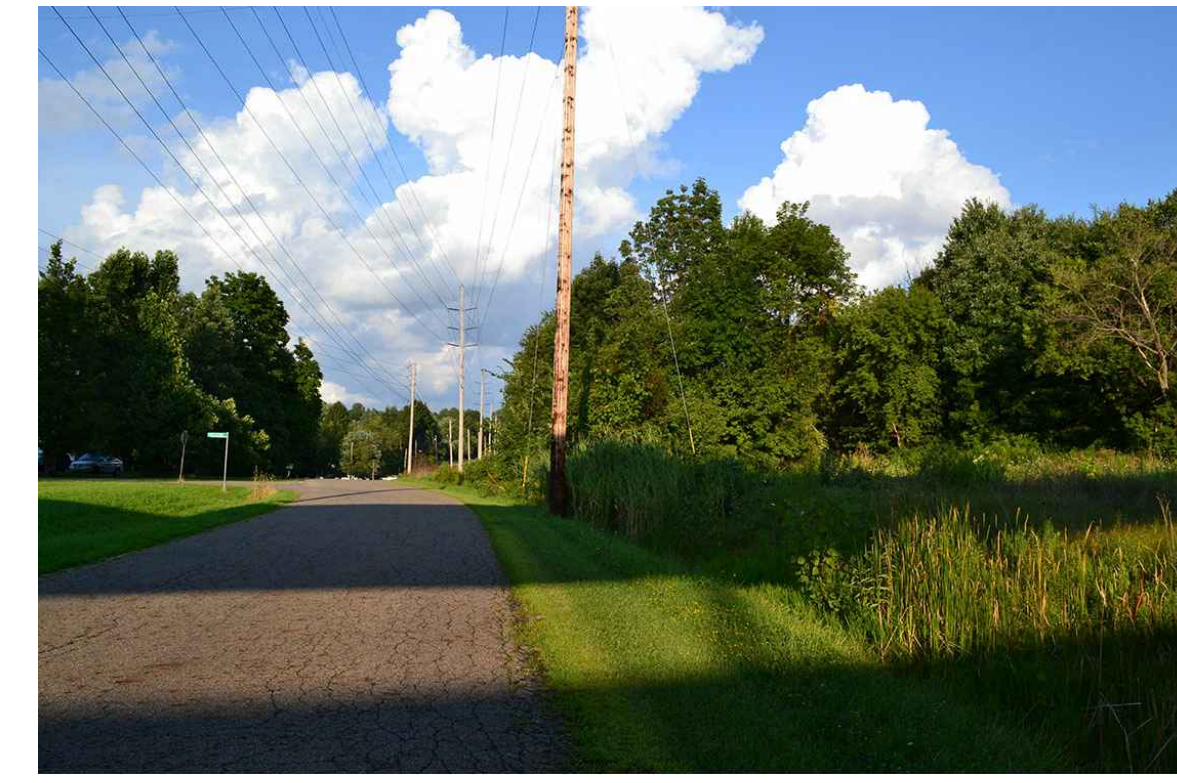
EXISTING CONDITIONS SITE PHOTOS



1 EXISTING RAIL ABUTMENTS TO BE REPAIRED OR REPLACED WITH THE ADDITION OF A PEDESTRIAN BRIDGE.



2 RIGHT-OF-WAY UNDER STATE ROUTE 21.



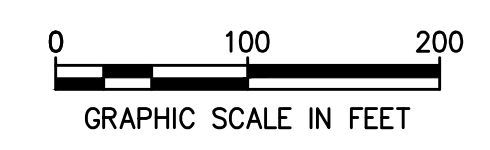
3 EXISTING RIGHT-OF-WAY ON DOROTHY AVENUE.



4 EXISTING RAIL ABUTMENTS TO BE REPAIRED OR REPLACED WITH THE ADDITION OF A PEDESTRIAN BRIDGE.

**LEGEND**

- Municipal Boundary
- Existing Trail
- Proposed Off Road Trail
- Proposed Sidepath
- Future City of Fairlawn Trail
- Future Medina County Trail
- Proposed Bridge
- Culvert
- Public Lands
- Riparian Setback
- NWI Wetland Boundary
- Parcel Boundary
- Trailhead



THREE CREEKS TRAIL  
 SUMMIT METRO PARKS

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SILVER CREEK SEGMENT





PRELIMINARY TRAIL ALIGNMENT

NO.	REVISION DATA	DATE

**THREE CREEKS TRAIL**  
**SUMMIT METRO PARKS**

EXISTING CONDITIONS SITE PHOTOS



1 DEVELOP TRAIL ALONG ABANDONED INTERURBAN CORRIDOR.



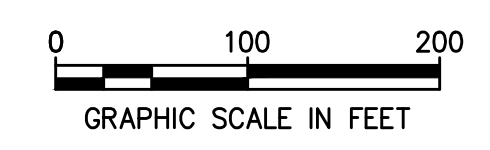
2 DEVELOP TRAIL ALONG EXISTING POWER LINE ACCESS ROAD (OLD INTERURBAN ALIGNMENT).



2 TRAIL CROSSING AT HAMETOWN ROAD.

**LEGEND**

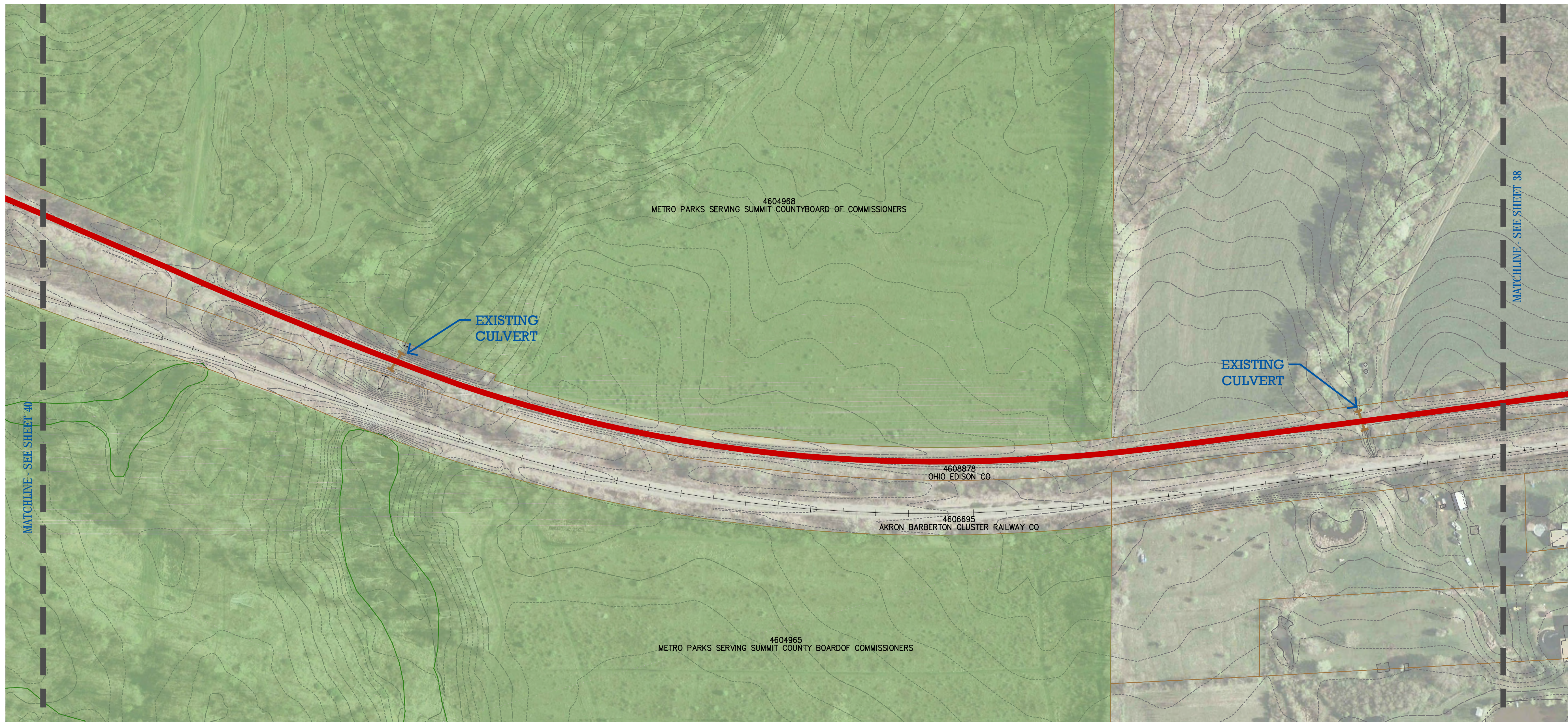
- Municipal Boundary
- Existing Trail
- Proposed Off Road Trail
- Proposed Sidepath
- Future City of Fairlawn Trail
- Future Medina County Trail
- Proposed Bridge
- Culvert
- Public Lands
- Riparian Setback
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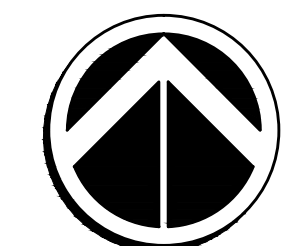
**SILVER CREEK SEGMENT**



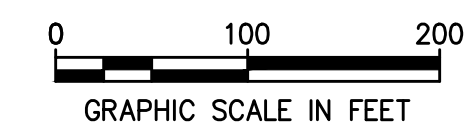


**LEGEND**

-  Municipal Boundary
-  Existing Trail
-  Proposed Off Road Trail
-  Proposed Sidepath
-  Future City of Fairlawn Trail
-  Future Medina County Trail
-  Proposed Bridge
-  Culvert
-  Public Lands
-  Riparian Setback
-  NWI Wetland Boundary
-  Parcel Boundary
-  Trailhead



NORTH



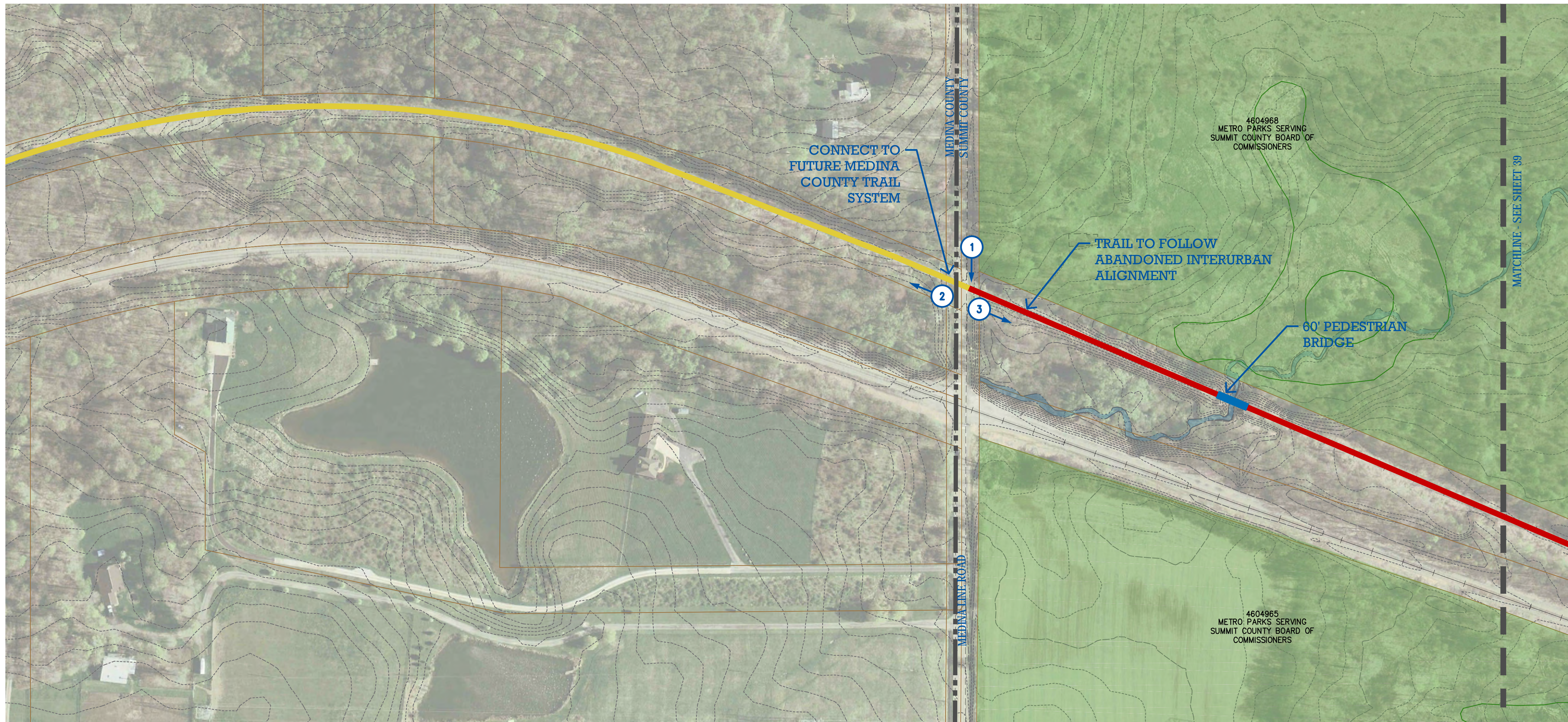
PRELIMINARY TRAIL ALIGNMENT	
NO.	REVISION DATA
	DATE

**THREE CREEKS TRAIL**  
**SUMMIT METRO PARKS**

PROJECT NO.:	14-00179-010
DESIGNED BY:	KL/JT
DRAWN BY:	KL/JT
CHECKED BY:	KL
DATE ISSUED:	MARCH 13, 2015

SILVER CREEK SEGMENT





PRELIMINARY TRAIL ALIGNMENT

NO.	REVISION DATA	DATE

**THREE CREEKS TRAIL**  
**SUMMIT METRO PARKS**

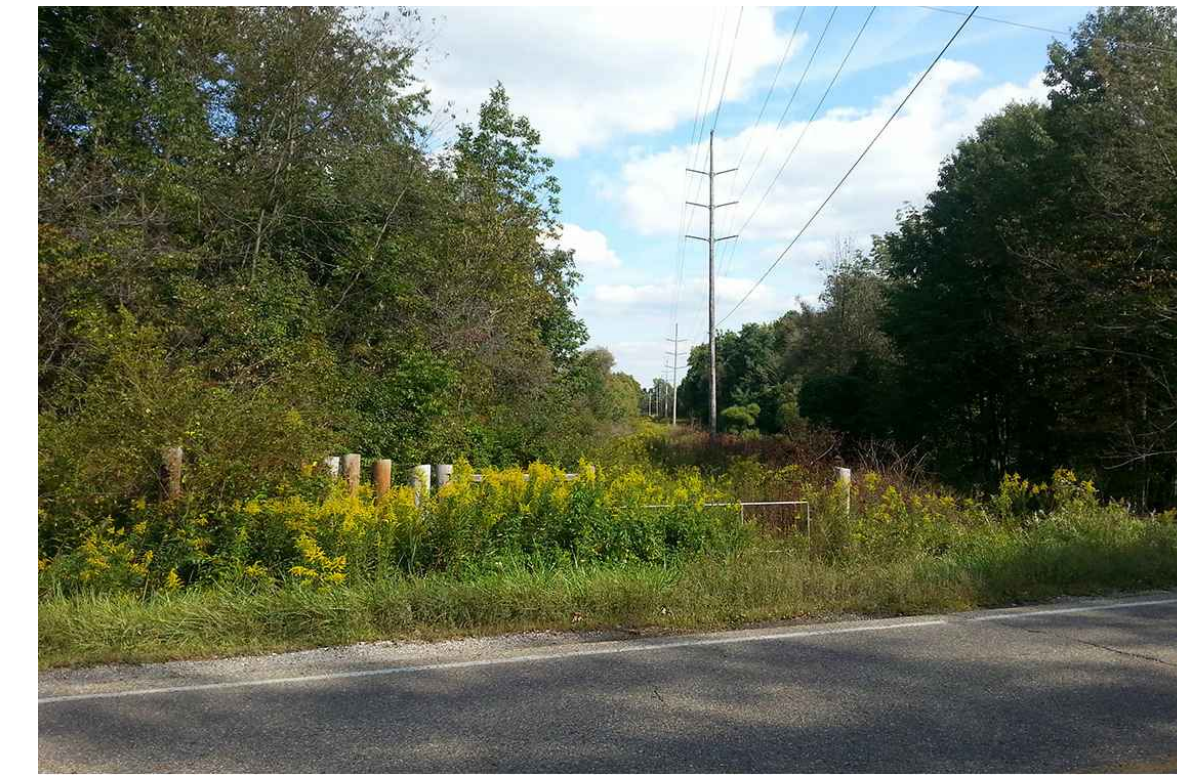
EXISTING CONDITIONS SITE PHOTOS



1 TRAIL CROSSING AT MEDINA LINE ROAD.



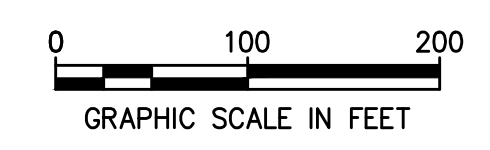
2 CONNECTION TO POTENTIAL FUTURE MEDINA COUNTY TRAIL.



3 DEVELOP TRAIL ALONG ABANDONED INTERURBAN CORRIDOR.

**LEGEND**

- Municipal Boundary
- Existing Trail
- Proposed Off Road Trail
- Proposed Sidepath
- Future City of Fairlawn Trail
- Future Medina County Trail
- Proposed Bridge
- Culvert
- Public Lands
- Riparian Setback
- NWI Wetland Boundary
- Parcel Boundary
- Trailhead



PROJECT NO.: 14-00179-010  
 DESIGNED BY: KL/JT  
 DRAWN BY: KL/JT  
 CHECKED BY: KL  
 DATE ISSUED: MARCH 13, 2015

SILVER CREEK SEGMENT



## **OPINION OF PROBABLE COST**

The accompanying cost opinions provide a breakdown of the anticipated costs of the proposed improvements.

In many instances, there will be an opportunity to include trail improvements in association with road and/or sewer improvement projects. When these occur, the incremental cost to these facilities are significantly less than if they were stand-alone projects.

General Assumptions:

1. No public right-of-way costs were included
2. No land acquisition costs were included
3. A general attempt was made to anticipate potential impacts of known and seen utilities; primarily power and traffic poles and fire hydrants. Existing storm sewers and storm ditches were assumed to be adequate.
4. This cost opinion is based on 2014 construction costs
5. All improvements/projects were assumed to be publicly bid.
6. Ecological and environmental issues, such as wetland delineations, were unknown and therefore not included.
7. No traffic studies were included





THREE CREEKS TRAIL - SUMMARY  
 CONCEPTUAL OPINION OF PROBABLE COSTS  
 DECEMBER 12, 2014



**COST DETAIL SUMMARY**

TRAIL ALLIGNMENT

#	PIGEON/WOLF CREEKS TRAIL SEGMENTS	TOTAL COST
1-1	ROBINSON BRIDGE TO 2ND STREET	\$212,188.37
1-2	2ND STREET TO 8TH STREET	\$846,305.15
1-3	WOOSTER ROAD TO HOPOCAN AVENUE	\$554,659.63
1-4	HOPOCAN AVENUE TO BRADY AVENUE	\$207,135.04
1-5	BRADY AVENUE TO NORTON AVENUE	\$150,275.49
1-6	NORTON AVENUE TO BARBER ROAD	\$1,056,529.03
1-7	BARBER ROAD TO SUMMIT ROAD	\$690,712.45
1-8	SUMMIT ROAD TO WADSWORTH ROAD	\$373,773.34
1-9	WADSWORTH ROAD TO KNOX BOULEVARD	\$1,155,973.04
1-10	KNOX BOULEVARD TO WRIGHT ROAD	\$349,570.28
1-11	WRIGHT ROAD TO COLLIER ROAD	\$264,292.04
1-12	COLLIER ROAD TO COPLEY ROAD	\$788,893.42
1-13	COPLEY ROAD TO WHITE POND DRIVE	\$733,214.63
1-14	WHITE POND DRIVE TO SCHOCALOG RUN	\$793,904.33
1-15	SCHOCALOG RUN TO SCHOCALOG ROAD	\$419,121.07
1-16	SCHOCALOG ROAD TO JACOBY ROAD	\$964,545.69
1-17	JACOBY ROAD TO RIDGEWOOD ROAD TRAILHEAD	\$922,067.09
	<b>Subtotal</b>	<b>\$10,483,160.10</b>
<b>PIGEON/WOLF CREEKS TRAIL: CONNECTOR SEGMENTS</b>		
2-1	BARBERTON SCHOOLS CONNECTOR	\$520,953.26
2-2	BARBERTON SPORTS CONNECTOR	\$235,563.28
2-3	VAN HYNING RUN CONNECTOR	\$927,238.40
2-4	BARBERTON RESERVOIR - PIGEON TO WADSWORTH	\$563,570.80
2-5	BARBERTON RESERVOIR - WADSWORTH TO SUMMIT	\$260,636.71
2-6	BARBERTON RESERVOIR - SUMMIT TO RICH	\$577,862.94
2-7	AKRON CONNECTOR	\$508,868.74
2-8	SCHOCALOG RUN CONNECTOR	\$338,328.21
	<b>Subtotal</b>	<b>\$3,933,022.34</b>
<b>SILVER CREEK TRAIL SEGMENT</b>		
3-1	8TH STREET TO 14TH STREET	\$759,096.29
3-2	14TH STREET TO 25TH STREET	\$1,605,582.74
3-3	25TH STREET TO 31ST STREET	\$398,529.74
3-4	31ST STREET TO HAMETOWN ROAD	\$1,611,498.98
3-5	NORTON CONNECTOR	\$344,666.48
3-6	HAMETOWN ROAD TO MEDINA LINE ROAD	\$788,882.82
	<b>Subtotal</b>	<b>\$5,508,257.05</b>
	<b>GRAND TOTAL</b>	<b>\$19,924,439.49</b>



THREE CREEKS TRAIL - DOWNTOWN BARBERTON SEGMENT  
 CONCEPTUAL OPINION OF PROBABLE COSTS  
 DECEMBER 12, 2014



**COST DETAIL 1-1: ROBINSON RD BRIDGE TO 2ND STREET**

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
<b>Site Preparation/Demolition</b>					
201E11000	CLEARING AND GRUBBING	1.0	LUMP	\$2,000.00	\$2,000.00
202E23500	ASPHALT OR CONCRETE REMOVAL	142	SY	\$8.00	\$1,133.33
202E23500	EXISTING PARKING LOT PAVEMENT REMOVAL/MODIFICATION	670	SY	\$8.00	\$5,360.00
202E30000	CONCRETE WALK OR APRON REMOVED	2550	SQ F	\$2.50	\$6,375.00
202E32000	CURB REMOVED	320	LF	\$10.00	\$3,200.00
SPECIAL	CATCH BASIN REMOVED	3	EA	\$500.00	\$1,500.00
SPECIAL	CROSSWALK PAVEMENT REMOVED	550	SQ F	\$5.00	\$2,750.00
Subtotal					\$22,318.33
<b>Earthwork</b>					
203E10000	EXCAVATION & EMBANKMENT	260	CU YD	\$30.00	\$7,800.00
204E10000	SUBGRADE COMPACTION	425	SQ YD	\$4.50	\$1,912.50
Subtotal					\$9,712.50
<b>Erosion Control</b>					
SPECIAL	SWPPP	1	LS	\$2,500.00	\$2,500.00
Subtotal					\$2,500.00
<b>PAVEMENT &amp; UTILITIES</b>					
608E10000	CONCRETE SIDEPATH	2550	SQ F	\$5.00	\$12,750.00
SPECIAL	DECORATIVE CONCRETE SIDEPATH BANDING	1275	SQ F	\$8.00	\$10,200.00
609E14000	CURB, TYPE 2A	320	LF	\$40.00	\$12,800.00
608E52000	CURB RAMP	576	SQ F	\$17.00	\$9,792.00
604E04500	CATCH BASIN, NO. 2-2B	3	EA	\$1,500.00	\$4,500.00
611E04400	12" CONDUIT, TYPE B	15	LF	\$60.00	\$900.00
SPECIAL	OVERHEAD DECORATIVE SIGN POLE RELOCATION	1	EA	\$5,000.00	\$5,000.00
SPECIAL	KIOSK	1	EA	\$7,500.00	\$7,500.00
Subtotal					\$63,442.00
<b>At Grade Crossings, Road Markings and Incidentals</b>					
642E00490	STOP LINE	30	FT	\$3.00	\$90.00
642E00590	CROSSWALK DECORATIVE CONCRETE	550	SQ F	\$8.00	\$4,400.00
SPECIAL	TRAIL SIGNAGE	255	LF	\$1.50	\$382.50
SPECIAL	WOOSTER ROAD RESTRIPING	1	LS	\$5,000.00	\$5,000.00
Subtotal					\$9,872.50
<b>Landscape</b>					
659E10000	SEEDING AND MULCHING	800	SQ Y	\$3.00	\$2,400.00
659E00300	TOPSOIL	100	CU YD	\$40.00	\$4,000.00
659	TREE REPLACEMENT/ADDITION	5	EA	\$250.00	\$1,250.00
659	LANDSCAPE ALLOWANCE	1	LS	\$15,000.00	\$15,000.00
659	BIORETENTION	150	SF	\$16.00	\$2,400.00
Subtotal					\$25,050.00
<b>Construction Survey &amp; Layout</b>					
SPECIAL	SURVEY AND LAYOUT	1	LS	\$3,000.00	\$3,000.00
614E11000	MAINTAINING TRAFFIC	1	LS	\$5,000.00	\$5,000.00
Subtotal					\$8,000.00
<b>TOTAL</b>					<b>\$140,895.33</b>
CONTINGENCY (20%)					\$28,179.07
GENERAL CONDITIONS (4%)					\$6,762.98
BONDS AND INSURANCES (2.5%)					\$4,226.86
MOBILIZATION AND DEMOBILIZATION (1%)					\$1,690.74
ENGINEERING AND DOCUMENTS (18%)					\$30,433.39
<b>GRAND TOTAL</b>					<b>\$212,188.37</b>

**Assumptions:**

- 1) See general assumptions
- 2) Possible design exception needed for sidepath



THREE CREEKS TRAIL - DOWNTOWN BARBERTON SEGMENT  
 CONCEPTUAL OPINION OF PROBABLE COSTS  
 DECEMBER 12, 2014



**COST DETAIL 1-2: 2ND STREET TO 8TH STREET**

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
<b>Site Preparation/Demolition</b>					
201E11000	CLEARING AND GRUBBING	1.0	LUMP	\$5,000.00	\$5,000.00
202E23500	ASPHALT OR CONCRETE REMOVAL	1056	SY	\$8.00	\$8,444.44
202E30000	CONCRETE WALK OR APRON REMOVED	2435	SQ F	\$2.50	\$6,087.50
202E32000	CURB REMOVED	1900	LF	\$10.00	\$19,000.00
SPECIAL	SIGN RELOCATION	3	EA	\$150.00	\$450.00
SPECIAL	CROSSWALK PAVEMENT REMOVED	2550	SQ F	\$5.00	\$12,750.00
SPECIAL	CATCH BASIN REMOVED	7	EA	\$500.00	\$3,500.00
	<b>Subtotal</b>				<b>\$55,231.94</b>
<b>Earthwork</b>					
203E10000	EXCAVATION & EMBANKMENT	528	CU YD	\$30.00	\$15,833.33
204E10000	SUBGRADE COMPACTION	3167	SQ YD	\$4.50	\$14,250.00
	<b>Subtotal</b>				<b>\$30,083.33</b>
<b>Erosion Control</b>					
SPECIAL	SWPPP	1	LS	\$5,000.00	\$5,000.00
	<b>Subtotal</b>				<b>\$5,000.00</b>
<b>PAVEMENT &amp; UTILITIES</b>					
608E10000	CONCRETE SIDEPATH	19000	SQ F	\$5.00	\$95,000.00
SPECIAL	DECORATIVE CONCRETE SIDEPATH BANDING	9500	SQ F	\$8.00	\$76,000.00
SPECIAL	CONCRETE DRIVEWAY APRON	2435	SQ F	\$7.00	\$17,045.00
609E14000	CURB, TYPE 2A	1900	LF	\$40.00	\$76,000.00
608E52000	CURB RAMP	2016	SQ F	\$17.00	\$34,272.00
604E04500	CATCH BASIN, NO. 2-2B	7	EA	\$1,500.00	\$10,500.00
611E04400	12" CONDUIT, TYPE B	35	LF	\$60.00	\$2,100.00
638E10300	FIRE HYDRANT EXTENDED AND ADJUSTED TO GRADE	4	EA	\$4,000.00	\$16,000.00
SPECIAL	UTILITY POLE RELOCATION	5	EA	\$7,500.00	\$37,500.00
SPECIAL	DECORATIVE LIGHT POLE RELOCATION	7	EA	\$2,000.00	\$14,000.00
	<b>Subtotal</b>				<b>\$378,417.00</b>
<b>At Grade Crossings, Road Markings and Incidentals</b>					
SPECIAL	TRAIL SIGNAGE	1900	LF	\$1.50	\$2,850.00
SPECIAL	CROSSWALK DECORATIVE CONCRETE	2550	SQ F	\$8.00	\$20,400.00
SPECIAL	WOOSTER ROAD RESTRIPING	1	LS	\$10,000.00	\$10,000.00
	<b>Subtotal</b>				<b>\$33,250.00</b>
<b>Landscape</b>					
659E10000	SEEDING AND MULCHING	1267	SQ Y	\$3.00	\$3,800.00
659E00300	TOPSOIL	139	CU YD	\$40.00	\$5,573.33
659	TREE REPLACEMENT/ADDITION	12	EA	\$250.00	\$3,000.00
659	LANDSCAPE ALLOWANCE	1	LS	\$10,000.00	\$10,000.00
659	BIORETENTION	1100	SF	\$16.00	\$17,600.00
	<b>Subtotal</b>				<b>\$39,973.33</b>
<b>Construction Survey &amp; Layout</b>					
SPECIAL	SURVEY AND LAYOUT	1	LS	\$5,000.00	\$5,000.00
614E11000	MAINTAINING TRAFFIC	1	LS	\$15,000.00	\$15,000.00
	<b>Subtotal</b>				<b>\$20,000.00</b>
<b>TOTAL</b>					
					<b>\$561,955.61</b>
	CONTINGENCY (20%)				\$112,391.12
	GENERAL CONDITIONS (4%)				\$26,973.87
	BONDS AND INSURANCES (2.5%)				\$16,858.67
	MOBILIZATION AND DEMOBILIZATION (1%)				\$6,743.47
	ENGINEERING AND DOCUMENTS (18%)				\$121,382.41
	<b>GRAND TOTAL</b>				<b>\$846,305.15</b>

**Assumptions:**

- 1) See general assumptions
- 2) Possible design exception needed for sidepath



THREE CREEKS TRAIL - WOLF CREEK SEGMENT  
 CONCEPTUAL OPINION OF PROBABLE COSTS  
 DECEMBER 12, 2014



**COST DETAIL 1-3: WOOSTER RD TO HOPOCAN AVE**

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
	<b>Site Preparation/Demolition</b>				
201E11000	CLEARING AND GRUBBING	1.0	LUMP	\$6,000.00	\$6,000.00
SPECIAL	FENCE REMOVAL	30	LF	\$5.00	\$150.00
	Subtotal				\$6,150.00
	<b>Earthwork</b>				
203E10000	EXCAVATION & EMBANKMENT	547	CU YD	\$20.00	\$10,933.33
204E10000	SUBGRADE COMPACTION	3827	SQ YD	\$4.50	\$17,220.00
	Subtotal				\$28,153.33
	<b>Erosion Control</b>				
SPECIAL	SWPPP	1	LS	\$5,000.00	\$5,000.00
	Subtotal				\$5,000.00
	<b>PAVEMENT &amp; UTILITIES</b>				
304E20000	6" AGGREGATE BASE	501	CU YD	\$68.00	\$34,075.56
448E46020	1.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, PG64-22	114	CU YD	\$120.00	\$13,666.67
407E10000	TACK COAT	1845	GAL	\$2.50	\$4,612.50
448E46904	1.5 " ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG70-22M	114	CU YD	\$150.00	\$17,083.33
608E52000	CURB RAMP	720	SQ F	\$17.00	\$12,240.00
SPECIAL	BOLLARD	10	EA	\$800.00	\$8,000.00
SPECIAL	REMOVEABLE BOLLARD	5	EA	\$1,200.00	\$6,000.00
607E20000	FENCE, TYPE CL	1720	LF	\$20.00	\$34,400.00
SPECIAL	EXISTING RAILROAD BRIDGE RECONDITIONING AND REDECKING	75	LF	\$1,400.00	\$105,000.00
	Subtotal				\$235,078.06
	<b>At Grade Crossings, Road Markings and Incidentals</b>				
642E00590	CROSSWALK LINE	240	FT	\$2.00	\$480.00
SPECIAL	SIGNAGE (STOP, DO NOT ENTER, BIKE, PARKING WITH U-LINE POLE)	6	EA	\$150.00	\$900.00
SPECIAL	TRAIL SIGNAGE	2535	LF	\$1.50	\$3,802.50
	Subtotal				\$5,182.50
	<b>Landscape</b>				
659E10000	SEEDING AND MULCHING	1640	SQ Y	\$3.00	\$4,920.00
659E00300	TOPSOIL	180	CU YD	\$40.00	\$7,216.00
659	LANDSCAPE ALLOWANCE	1	LS	\$40,000.00	\$40,000.00
659	BIORETENTION	1350	SF	\$16.00	\$21,600.00
	Subtotal				\$73,736.00
	<b>Construction Survey &amp; Layout</b>				
SPECIAL	SURVEY AND LAYOUT	1	LS	\$5,000.00	\$5,000.00
614E11000	MAINTAINING TRAFFIC	1	LS	\$10,000.00	\$10,000.00
	Subtotal				\$15,000.00
	<b>TOTAL</b>				\$368,299.89
	CONTINGENCY (20%)				\$73,659.98
	GENERAL CONDITIONS (4%)				\$17,678.39
	BONDS AND INSURANCES (2.5%)				\$11,049.00
	MOBILIZATION AND DEMOBILIZATION (1%)				\$4,419.60
	ENGINEERING AND DOCUMENTS (18%)				\$79,552.78
	<b>GRAND TOTAL</b>				\$554,659.63

**Assumptions:**

- 1) See general assumptions
- 2) Existing railroad bridge can be reused/repurposed



THREE CREEKS TRAIL - WOLF CREEK SEGMENT  
 CONCEPTUAL OPINION OF PROBABLE COSTS  
 DECEMBER 12, 2014



**COST DETAIL 1-4: HOPOCAN AVE TO BRADY AVE**

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
	<b>Site Preparation/Demolition</b>				
201E11000	CLEARING AND GRUBBING	1.0	LUMP	\$4,000.00	\$4,000.00
	Subtotal				\$4,000.00
	<b>Earthwork</b>				
203E10000	EXCAVATION & EMBANKMENT	724	CU YD	\$20.00	\$14,480.00
204E10000	SUBGRADE COMPACTION	2271	SQ YD	\$4.50	\$10,220.00
	Subtotal				\$24,700.00
	<b>Erosion Control</b>				
SPECIAL	SWPPP	1	LS	\$3,000.00	\$3,000.00
	Subtotal				\$3,000.00
	<b>PAVEMENT &amp; UTILITIES</b>				
304E20000	6" AGGREGATE BASE	297	CU YD	\$68.00	\$20,223.70
448E46020	1.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, PG64-22	68	CU YD	\$120.00	\$8,111.11
407E10000	TACK COAT	1095	GAL	\$2.50	\$2,737.50
448E46904	1.5 " ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG70-22M	68	CU YD	\$150.00	\$10,138.89
608E52000	CURB RAMP	288	SQ F	\$17.00	\$4,896.00
611E04400	12" CONDUIT, TYPE B	30	LF	\$60.00	\$1,800.00
SPECIAL	BOLLARD	4	EA	\$800.00	\$3,200.00
SPECIAL	REMOVEABLE BOLLARD	2	EA	\$1,200.00	\$2,400.00
SPECIAL	EXISTING RAILROAD BRIDGE UNDERPASS	1	LS	\$7,500.00	\$7,500.00
SPECIAL	FORMALIZE FISHING ACCESS	1	LS	\$10,000.00	\$10,000.00
	Subtotal				\$71,007.20
	<b>At Grade Crossings, Road Markings and Incidentals</b>				
642E00590	CROSSWALK LINE	120	FT	\$2.00	\$240.00
SPECIAL	SIGNAGE (STOP, DO NOT ENTER, BIKE, PARKING WITH U-LINE POLE)	4	EA	\$150.00	\$600.00
SPECIAL	TRAIL SIGNAGE	1460	LF	\$1.50	\$2,190.00
	Subtotal				\$3,030.00
	<b>Landscape</b>				
659E10000	SEEDING AND MULCHING	973	SQ Y	\$3.00	\$2,920.00
659E00300	TOPSOIL	107	CU YD	\$40.00	\$4,282.67
659	LANDSCAPE ALLOWANCE	1	LS	\$5,000.00	\$5,000.00
659	BIORETENTION	850	SF	\$16.00	\$13,600.00
	Subtotal				\$25,802.67
	<b>Construction Survey &amp; Layout</b>				
SPECIAL	SURVEY AND LAYOUT	1	LS	\$3,000.00	\$3,000.00
614E11000	MAINTAINING TRAFFIC	1	LS	\$3,000.00	\$3,000.00
	Subtotal				\$6,000.00
	<b>TOTAL</b>				\$137,539.87
	CONTINGENCY (20%)				\$27,507.97
	GENERAL CONDITIONS (4%)				\$6,601.91
	BONDS AND INSURANCES (2.5%)				\$4,126.20
	MOBILIZATION AND DEMOBILIZATION (1%)				\$1,650.48
	ENGINEERING AND DOCUMENTS (18%)				\$29,708.61
	<b>GRAND TOTAL</b>				\$207,135.04

**Assumptions:**

- 1) See general assumptions



THREE CREEKS TRAIL - WOLF CREEK SEGMENT  
 CONCEPTUAL OPINION OF PROBABLE COSTS  
 DECEMBER 12, 2014



**COST DETAIL 1-5: BRADY AVE TO NORTON AVE**

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
	<b>Site Preparation/Demolition</b>				
201E11000	CLEARING AND GRUBBING	1	LUMP	\$3,000.00	\$3,000.00
	Subtotal				\$3,000.00
	<b>Earthwork</b>				
203E10000	EXCAVATION & EMBANKMENT	241	CU YD	\$20.00	\$4,822.22
204E10000	SUBGRADE COMPACTION	1688	SQ YD	\$4.50	\$7,595.00
	Subtotal				\$12,417.22
	<b>Erosion Control</b>				
SPECIAL	SWPPP	1	LS	\$3,000.00	\$3,000.00
	Subtotal				\$3,000.00
	<b>PAVEMENT &amp; UTILITIES</b>				
304E20000	6" AGGREGATE BASE	221	CU YD	\$68.00	\$15,029.26
448E46020	1.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, PG64-22	50	CU YD	\$120.00	\$6,027.78
407E10000	TACK COAT	814	GAL	\$2.50	\$2,034.38
448E46904	1.5 " ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG70-22M	50	CU YD	\$150.00	\$7,534.72
608E10000	4" CONCRETE WALK	1500	SQ F	\$4.00	\$6,000.00
609E14000	CURB, TYPE 2A	150	LF	\$40.00	\$6,000.00
608E52000	CURB RAMP	288	SQ F	\$17.00	\$4,896.00
611E04400	12" CONDUIT, TYPE B	30	LF	\$60.00	\$1,800.00
SPECIAL	BOLLARD	2	EA	\$800.00	\$1,600.00
SPECIAL	REMOVEABLE BOLLARD	1	EA	\$1,200.00	\$1,200.00
	Subtotal				\$52,122.13
	<b>At Grade Crossings, Road Markings and Incidentals</b>				
642E00590	CROSSWALK LINE	120	FT	\$2.00	\$240.00
SPECIAL	SIGNAGE (STOP, DO NOT ENTER, BIKE, PARKING WITH U-LINE POLE)	4	EA	\$150.00	\$600.00
SPECIAL	TRAIL SIGNAGE	1235	LF	\$1.50	\$1,852.50
	Subtotal				\$2,692.50
	<b>Landscape</b>				
659E10000	SEEDING AND MULCHING	723	SQ Y	\$3.00	\$2,170.00
659E00300	TOPSOIL	80	CU YD	\$40.00	\$3,182.67
659	LANDSCAPE ALLOWANCE	1	LS	\$5,000.00	\$5,000.00
659	BIORETENTION	700	SF	\$16.00	\$11,200.00
	Subtotal				\$21,552.67
	<b>Construction Survey &amp; Layout</b>				
SPECIAL	SURVEY AND LAYOUT	1	LS	\$2,000.00	\$2,000.00
614E11000	MAINTAINING TRAFFIC	1	LS	\$3,000.00	\$3,000.00
	Subtotal				\$5,000.00
	<b>TOTAL</b>				\$99,784.52
	CONTINGENCY (20%)				\$19,956.90
	GENERAL CONDITIONS (4%)				\$4,789.66
	BONDS AND INSURANCES (2.5%)				\$2,993.54
	MOBILIZATION AND DEMOBILIZATION (1%)				\$1,197.41
	ENGINEERING AND DOCUMENTS (18%)				\$21,553.46
	<b>GRAND TOTAL</b>				\$150,275.49

**Assumptions:**

- 1) See general assumptions



THREE CREEKS TRAIL - WOLF CREEK SEGMENT  
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**COST DETAIL 1-6: NORTON AVE TO BARBER RD**

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
	<b>Site Preparation/Demolition</b>				
201E11000	CLEARING AND GRUBBING	1	LUMP	\$8,000.00	\$8,000.00
202E23500	ASPHALT OR CONCRETE REMOVAL	333	SY	\$12.00	\$4,000.00
202E30000	CONCRETE BRIDGE GUARDRAIL REMOVAL	1	LS	\$5,000.00	\$5,000.00
SPECIAL	FENCE REMOVAL	50	LF	\$5.00	\$250.00
	<b>Subtotal</b>				<b>\$17,250.00</b>
	<b>Earthwork</b>				
203E10000	EXCAVATION & EMBANKMENT	840	CU YD	\$20.00	\$16,800.00
204E10000	SUBGRADE COMPACTION	5880	SQ YD	\$4.50	\$26,460.00
	<b>Subtotal</b>				<b>\$43,260.00</b>
	<b>Erosion Control</b>				
SPECIAL	SWPPP	1	LS	\$5,000.00	\$5,000.00
	<b>Subtotal</b>				<b>\$5,000.00</b>
	<b>PAVEMENT &amp; UTILITIES</b>				
304E20000	6" AGGREGATE BASE	770	CU YD	\$68.00	\$52,360.00
448E46020	1.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, PG64-22	175	CU YD	\$120.00	\$21,000.00
407E10000	DI	2835	GAL	\$2.50	\$7,087.50
448E46904	1.5 " ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG70-22M	175	CU YD	\$150.00	\$26,250.00
608E52000	CURB RAMP	288	SQ F	\$17.00	\$4,896.00
603E10400	24" CONDUIT, TYPE B	210	LF	\$100.00	\$21,000.00
SPECIAL	BOLLARD	4	EA	\$800.00	\$3,200.00
SPECIAL	REMOVEABLE BOLLARD	2	EA	\$1,200.00	\$2,400.00
SPECIAL	CONCRETE GUARDRAIL REPLACEMENT ON EXISTING BRIDGE	60	LF	\$150.00	\$9,000.00
SPECIAL	CONCRETE BARRIER	160	LF	\$180.00	\$28,800.00
607E20000	FENCE, TYPE CL	50	LF	\$20.00	\$1,000.00
SPECIAL	TIMBER RAIL	320	LF	\$50.00	\$16,000.00
SPECIAL	FLASHING SIGNAL	1	EA	\$20,000.00	\$20,000.00
SPECIAL	BRIDGE	150	LF	\$1,600.00	\$240,000.00
SPECIAL	BRIDGE ABUTMENTS	4	EA	\$25,000.00	\$100,000.00
	<b>Subtotal</b>				<b>\$552,993.50</b>
	<b>At Grade Crossings, Road Markings and Incidentals</b>				
642E00590	CROSSWALK LINE	100	FT	\$2.00	\$200.00
SPECIAL	SIGNAGE (STOP, DO NOT ENTER, BIKE, PARKING WITH U-LINE POLE)	4	EA	\$150.00	\$600.00
SPECIAL	TRAIL SIGNAGE	3930	EA	\$1.50	\$5,895.00
	<b>Subtotal</b>				<b>\$6,695.00</b>
	<b>Landscape</b>				
659E10000	SEEDING AND MULCHING	2520	SQ Y	\$3.00	\$7,560.00
659E00300	TOPSOIL	277	CU YD	\$40.00	\$11,088.00
659	LANDSCAPE ALLOWANCE	1	LS	\$10,000.00	\$10,000.00
659	BIORETENTION	2200	SF	\$16.00	\$35,200.00
	<b>Subtotal</b>				<b>\$63,848.00</b>
	<b>Construction Survey &amp; Layout</b>				
SPECIAL	SURVEY AND LAYOUT	1	LS	\$5,000.00	\$5,000.00
614E11000	MAINTAINING TRAFFIC	1	LS	\$7,500.00	\$7,500.00
	<b>Subtotal</b>				<b>\$12,500.00</b>
	<b>TOTAL</b>				<b>\$701,546.50</b>
	CONTINGENCY (20%)				\$140,309.30
	GENERAL CONDITIONS (4%)				\$33,674.23
	BONDS AND INSURANCES (2.5%)				\$21,046.40
	MOBILIZATION AND DEMOBILIZATION (1%)				\$8,418.56
	ENGINEERING AND DOCUMENTS (18%)				\$151,534.04
	<b>GRAND TOTAL</b>				<b>\$1,056,529.03</b>

**Assumptions:**

- 1) See general assumptions



THREE CREEKS TRAIL - WOLF CREEK SEGMENT  
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**COST DETAIL 1-7: BARBER RD TO SUMMIT RD**

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
	<b>Site Preparation/Demolition</b>				
201E11000	CLEARING AND GRUBBING	1	LUMP	\$8,000.00	\$8,000.00
	Subtotal				\$8,000.00
	<b>Earthwork</b>				
203E10000	EXCAVATION & EMBANKMENT	1316	CU YD	\$20.00	\$26,311.11
204E10000	SUBGRADE COMPACTION	9209	SQ YD	\$4.50	\$41,440.00
	Subtotal				\$67,751.11
	<b>Erosion Control</b>				
SPECIAL	SWPPP	1	LS	\$5,000.00	\$5,000.00
	Subtotal				\$5,000.00
	<b>PAVEMENT &amp; UTILITIES</b>				
304E20000	6" AGGREGATE BASE	1206	CU YD	\$68.00	\$82,002.96
448E46020	1.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, PG64-22	274	CU YD	\$120.00	\$32,888.89
407E10000	TACK COAT	4440	GAL	\$2.50	\$11,100.00
448E46904	1.5 " ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG70-22M	274	CU YD	\$150.00	\$41,111.11
608E52000	CURB RAMP	288	SQ F	\$17.00	\$4,896.00
603E10400	24" CONDUIT, TYPE B	30	LF	\$100.00	\$3,000.00
SPECIAL	3-SIDED CONCRETE CULVERT	2	EA	\$20,000.00	\$40,000.00
SPECIAL	BOLLARD	4	EA	\$800.00	\$3,200.00
SPECIAL	REMOVEABLE BOLLARD	2	EA	\$1,200.00	\$2,400.00
SPECIAL	FLASHING SIGNAL	1	EA	\$20,000.00	\$20,000.00
	Subtotal				\$240,598.96
	<b>At Grade Crossings, Road Markings and Incidentals</b>				
642E00590	CROSSWALK LINE	90	FT	\$2.00	\$180.00
SPECIAL	SIGNAGE (STOP, DO NOT ENTER, BIKE, PARKING WITH U-LINE POLE)	4	EA	\$150.00	\$600.00
SPECIAL	TRAIL SIGNAGE	5920	LF	\$1.50	\$8,880.00
	Subtotal				\$9,660.00
	<b>Landscape</b>				
659E10000	SEEDING AND MULCHING	3947	SQ Y	\$3.00	\$11,840.00
659E00300	TOPSOIL	434	CU YD	\$40.00	\$17,365.33
659	TREE REPLACEMENT/ADDITION	13	EA	\$250.00	\$3,125.00
659	LANDSCAPE ALLOWANCE	1	LS	\$30,000.00	\$30,000.00
659	BIORETENTION	3300	SF	\$16.00	\$52,800.00
	Subtotal				\$115,130.33
	<b>Construction Survey &amp; Layout</b>				
SPECIAL	SURVEY AND LAYOUT	1	LS	\$5,000.00	\$5,000.00
614E11000	MAINTAINING TRAFFIC	1	LS	\$7,500.00	\$7,500.00
	Subtotal				\$12,500.00
	<b>TOTAL</b>				\$458,640.41
	CONTINGENCY (20%)				\$91,728.08
	GENERAL CONDITIONS (4%)				\$22,014.74
	BONDS AND INSURANCES (2.5%)				\$13,759.21
	MOBILIZATION AND DEMOBILIZATION (1%)				\$5,503.68
	ENGINEERING AND DOCUMENTS (18%)				\$99,066.33
	<b>GRAND TOTAL</b>				\$690,712.45

**Assumptions:**

- 1) See general assumptions



THREE CREEKS TRAIL - PIGEON CREEK SEGMENT  
 CONCEPTUAL OPINION OF PROBABLE COSTS  
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**COST DETAIL 1-8: SUMMIT RD TO WADSWORTH RD**

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
	<b>Site Preparation/Demolition</b>				
201E11000	CLEARING AND GRUBBING	1	LUMP	\$5,000.00	\$5,000.00
	Subtotal				\$5,000.00
	<b>Earthwork</b>				
203E10000	EXCAVATION & EMBANKMENT	814	CU YD	\$20.00	\$16,288.89
204E10000	SUBGRADE COMPACTION	5701	SQ YD	\$4.50	\$25,655.00
	Subtotal				\$41,943.89
	<b>Erosion Control</b>				
SPECIAL	SWPPP	1	LS	\$5,000.00	\$5,000.00
	Subtotal				\$5,000.00
	<b>PAVEMENT &amp; UTILITIES</b>				
304E20000	6" AGGREGATE BASE	747	CU YD	\$68.00	\$50,767.04
448E46020	1.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, PG64-22	170	CU YD	\$120.00	\$20,361.11
407E10000	TACK COAT	2749	GAL	\$2.50	\$6,871.88
448E46904	1.5 " ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG70-22M	170	CU YD	\$150.00	\$25,451.39
608E52000	CURB RAMP	288	SQ F	\$17.00	\$4,896.00
603E10400	24" CONDUIT, TYPE B	60	LF	\$100.00	\$6,000.00
SPECIAL	BOLLARD	4	EA	\$800.00	\$3,200.00
SPECIAL	REMOVEABLE BOLLARD	2	EA	\$1,200.00	\$2,400.00
	Subtotal				\$119,947.41
	<b>At Grade Crossings, Road Markings and Incidentals</b>				
642E00590	CROSSWALK LINE	60	FT	\$2.00	\$120.00
SPECIAL	SIGNAGE (STOP, DO NOT ENTER, BIKE, PARKING WITH U-LINE POLE)	4	EA	\$150.00	\$600.00
SPECIAL	TRAIL SIGNAGE	3665	LF	\$1.50	\$5,497.50
	Subtotal				\$6,217.50
	<b>Landscape</b>				
659E10000	SEEDING AND MULCHING	2443	SQ Y	\$3.00	\$7,330.00
659E00300	TOPSOIL	269	CU YD	\$40.00	\$10,750.67
659	LANDSCAPE ALLOWANCE	1	LS	\$10,000.00	\$10,000.00
659	BIORETENTION	2000	SF	\$16.00	\$32,000.00
	Subtotal				\$60,080.67
	<b>Construction Survey &amp; Layout</b>				
SPECIAL	SURVEY AND LAYOUT	1	LS	\$5,000.00	\$5,000.00
614E11000	MAINTAINING TRAFFIC	1	LS	\$5,000.00	\$5,000.00
	Subtotal				\$10,000.00
	<b>TOTAL</b>				\$248,189.47
	CONTINGENCY (20%)				\$49,637.89
	GENERAL CONDITIONS (4%)				\$11,913.09
	BONDS AND INSURANCES (2.5%)				\$7,445.68
	MOBILIZATION AND DEMOBILIZATION (1%)				\$2,978.27
	ENGINEERING AND DOCUMENTS (18%)				\$53,608.93
	<b>GRAND TOTAL</b>				\$373,773.34

**Assumptions:**

- 1) See general assumptions



THREE CREEKS TRAIL - PIGEON CREEK SEGMENT  
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**COST DETAIL 1-9: WADSWORTH RD TO KNOX BLVD**

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
	<b>Site Preparation/Demolition</b>				
201E11000	CLEARING AND GRUBBING	1	LUMP	\$10,000.00	\$10,000.00
	Subtotal				\$10,000.00
	<b>Earthwork</b>				
203E10000	EXCAVATION & EMBANKMENT	642	CU YD	\$20.00	\$12,844.44
204E10000	SUBGRADE COMPACTION	4496	SQ YD	\$4.50	\$20,230.00
	Subtotal				\$33,074.44
	<b>Erosion Control</b>				
SPECIAL	SWPPP	1	LS	\$10,000.00	\$10,000.00
	Subtotal				\$10,000.00
	<b>PAVEMENT &amp; UTILITIES</b>				
304E20000	6" AGGREGATE BASE	589	CU YD	\$68.00	\$40,031.85
448E46020	1.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, PG64-22	134	CU YD	\$120.00	\$16,055.56
407E10000	TACK COAT	2168	GAL	\$2.50	\$5,418.75
448E46904	1.5 " ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG70-22M	134	CU YD	\$150.00	\$20,069.44
608E52000	CURB RAMP	288	SQ F	\$17.00	\$4,896.00
603E10400	24" CONDUIT, TYPE B	30	LF	\$100.00	\$3,000.00
SPECIAL	BOLLARD	4	EA	\$800.00	\$3,200.00
SPECIAL	REMOVEABLE BOLLARD	2	EA	\$1,200.00	\$2,400.00
SPECIAL	TIMBER RAIL	5780	LF	\$50.00	\$289,000.00
SPECIAL	KIOSK	1	LS	\$7,500.00	\$7,500.00
SPECIAL	42-CAR ASPHALT PARKING LOT	1700	SY	\$45.00	\$76,500.00
SPECIAL	ASPHALT ACCESS DRIVE	2200	SY	\$45.00	\$99,000.00
SPECIAL	PRECAST CONCRETE VAULT RESTROOM	1	LS	\$60,000.00	\$60,000.00
	Subtotal				\$627,071.60
	<b>At Grade Crossings, Road Markings and Incidentals</b>				
642E00590	CROSSWALK LINE	70	FT	\$2.00	\$140.00
SPECIAL	SIGNAGE (STOP, DO NOT ENTER, BIKE, PARKING WITH U-LINE POLE)	4	EA	\$150.00	\$600.00
SPECIAL	TRAIL SIGNAGE	2890	LF	\$1.50	\$4,335.00
	Subtotal				\$5,075.00
	<b>Landscape</b>				
659E10000	SEEDING AND MULCHING	1927	SQ Y	\$3.00	\$5,780.00
659E00300	TOPSOIL	212	CU YD	\$40.00	\$8,477.33
659	LANDSCAPE ALLOWANCE	1	LS	\$30,000.00	\$30,000.00
659	BIORETENTION	1600	SF	\$16.00	\$25,600.00
	Subtotal				\$69,857.33
	<b>Construction Survey &amp; Layout</b>				
SPECIAL	SURVEY AND LAYOUT	1	LS	\$7,500.00	\$7,500.00
614E11000	MAINTAINING TRAFFIC	1	LS	\$5,000.00	\$5,000.00
	Subtotal				\$12,500.00
	<b>TOTAL</b>				<b>\$767,578.38</b>
	CONTINGENCY (20%)				\$153,515.68
	GENERAL CONDITIONS (4%)				\$36,843.76
	BONDS AND INSURANCES (2.5%)				\$23,027.35
	MOBILIZATION AND DEMOBILIZATION (1%)				\$9,210.94
	ENGINEERING AND DOCUMENTS (18%)				\$165,796.93
	<b>GRAND TOTAL</b>				<b>\$1,155,973.04</b>

**Assumptions:**

- 1) See general assumptions



THREE CREEKS TRAIL - PIGEON CREEK SEGMENT  
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**COST DETAIL 1-10: KNOX BLVD TO WRIGHT RD**

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
	<b>Site Preparation/Demolition</b>				
201E11000	CLEARING AND GRUBBING	1	LUMP	\$7,500.00	\$7,500.00
	Subtotal				\$7,500.00
	<b>Earthwork</b>				
203E10000	EXCAVATION & EMBANKMENT	642	CU YD	\$20.00	\$12,844.44
204E10000	SUBGRADE COMPACTION	4496	SQ YD	\$4.50	\$20,230.00
	Subtotal				\$33,074.44
	<b>Erosion Control</b>				
SPECIAL	SWPPP	1	LS	\$5,000.00	\$5,000.00
	Subtotal				\$5,000.00
	<b>PAVEMENT &amp; UTILITIES</b>				
304E20000	6" AGGREGATE BASE	589	CU YD	\$68.00	\$40,031.85
448E46020	1.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, PG64-22	134	CU YD	\$120.00	\$16,055.56
407E10000	TACK COAT	2168	GAL	\$2.50	\$5,418.75
448E46904	1.5 " ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG70-22M	134	CU YD	\$150.00	\$20,069.44
608E52000	CURB RAMP	288	SQ F	\$17.00	\$4,896.00
603E10400	24" CONDUIT, TYPE B	30	LF	\$100.00	\$3,000.00
SPECIAL	BOLLARD	4	EA	\$800.00	\$3,200.00
SPECIAL	REMOVEABLE BOLLARD	2	EA	\$1,200.00	\$2,400.00
	Subtotal				\$95,071.60
	<b>At Grade Crossings, Road Markings and Incidentals</b>				
642E00590	CROSSWALK LINE	40	FT	\$2.00	\$80.00
SPECIAL	SIGNAGE (STOP, DO NOT ENTER, BIKE, PARKING WITH U-LINE POLE)	4	EA	\$150.00	\$600.00
SPECIAL	TRAIL SIGNAGE	2890	LF	\$1.50	\$4,335.00
	Subtotal				\$5,015.00
	<b>Landscape</b>				
659E10000	SEEDING AND MULCHING	1927	SQ Y	\$3.00	\$5,780.00
659E00300	TOPSOIL	212	CU YD	\$40.00	\$8,477.33
659	TREE REPLACEMENT/ADDITION	26	EA	\$250.00	\$6,600.00
659	LANDSCAPE ALLOWANCE	1	LS	\$30,000.00	\$30,000.00
659	BIORETENTION	1600	SF	\$16.00	\$25,600.00
	Subtotal				\$76,457.33
	<b>Construction Survey &amp; Layout</b>				
SPECIAL	SURVEY AND LAYOUT	1	LS	\$5,000.00	\$5,000.00
614E11000	MAINTAINING TRAFFIC	1	LS	\$5,000.00	\$5,000.00
	Subtotal				\$10,000.00
	<b>TOTAL</b>				<b>\$232,118.38</b>
	CONTINGENCY (20%)				\$46,423.68
	GENERAL CONDITIONS (4%)				\$11,141.68
	BONDS AND INSURANCES (2.5%)				\$6,963.55
	MOBILIZATION AND DEMOBILIZATION (1%)				\$2,785.42
	ENGINEERING AND DOCUMENTS (18%)				\$50,137.57
	<b>GRAND TOTAL</b>				<b>\$349,570.28</b>

**Assumptions:**

- 1) See general assumptions



THREE CREEKS TRAIL - PIGEON CREEK SEGMENT  
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**COST DETAIL 1-11: WRIGHT RD TO COLLIER RD**

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
	<b>Site Preparation/Demolition</b>				
201E11000	CLEARING AND GRUBBING	1	LUMP	\$5,000.00	\$5,000.00
	Subtotal				\$5,000.00
	<b>Earthwork</b>				
203E10000	EXCAVATION & EMBANKMENT	467	CU YD	\$20.00	\$9,333.33
204E10000	SUBGRADE COMPACTION	3267	SQ YD	\$4.50	\$14,700.00
	Subtotal				\$24,033.33
	<b>Erosion Control</b>				
SPECIAL	SWPPP	1	LS	\$5,000.00	\$5,000.00
	Subtotal				\$5,000.00
	<b>PAVEMENT &amp; UTILITIES</b>				
304E20000	6" AGGREGATE BASE	428	CU YD	\$68.00	\$29,088.89
448E46020	1.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, PG64-22	97	CU YD	\$120.00	\$11,666.67
407E10000	TACK COAT	1575	GAL	\$2.50	\$3,937.50
448E46904	1.5 " ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG70-22M	97	CU YD	\$150.00	\$14,583.33
608E52000	CURB RAMP	144	SQ F	\$17.00	\$2,448.00
SPECIAL	BOLLARD	2	EA	\$800.00	\$1,600.00
SPECIAL	REMOVEABLE BOLLARD	1	EA	\$1,200.00	\$1,200.00
	Subtotal				\$64,524.39
	<b>At Grade Crossings, Road Markings and Incidentals</b>				
642E00590	CROSSWALK LINE	50	FT	\$2.00	\$100.00
SPECIAL	SIGNAGE (STOP, DO NOT ENTER, BIKE, PARKING WITH U-LINE POLE)	2	EA	\$150.00	\$300.00
SPECIAL	TRAIL SIGNAGE	2100	LF	\$1.50	\$3,150.00
	Subtotal				\$3,550.00
	<b>Landscape</b>				
659E10000	SEEDING AND MULCHING	1400	SQ Y	\$3.00	\$4,200.00
659E00300	TOPSOIL	154	CU YD	\$40.00	\$6,160.00
659	TREE REPLACEMENT/ADDITION	15	EA	\$250.00	\$3,825.00
659	LANDSCAPE ALLOWANCE	1	LS	\$30,000.00	\$30,000.00
659	BIORETENTION	1200	SF	\$16.00	\$19,200.00
	Subtotal				\$63,385.00
	<b>Construction Survey &amp; Layout</b>				
SPECIAL	SURVEY AND LAYOUT	1	LS	\$5,000.00	\$5,000.00
614E11000	MAINTAINING TRAFFIC	1	LS	\$5,000.00	\$5,000.00
	Subtotal				\$10,000.00
	<b>TOTAL</b>				\$175,492.72
	CONTINGENCY (20%)				\$35,098.54
	GENERAL CONDITIONS (4%)				\$8,423.65
	BONDS AND INSURANCES (2.5%)				\$5,264.78
	MOBILIZATION AND DEMOBILIZATION (1%)				\$2,105.91
	ENGINEERING AND DOCUMENTS (18%)				\$37,906.43
	<b>GRAND TOTAL</b>				\$264,292.04

**Assumptions:**

- 1) See general assumptions



THREE CREEKS TRAIL - PIGEON CREEK SEGMENT  
 CONCEPTUAL OPINION OF PROBABLE COSTS  
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**COST DETAIL 1-12: COLLIER RD TO COPLEY RD**

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
	<b>Site Preparation/Demolition</b>				
201E11000	CLEARING AND GRUBBING	1	LUMP	\$5,000.00	\$5,000.00
202E23500	PAVEMENT REMOVED (DRIVEWAYS)	342	SY	\$8.00	\$2,737.78
SPECIAL	SIGN RELOCATION	7	EA	\$150.00	\$1,050.00
	<b>Subtotal</b>				<b>\$8,787.78</b>
	<b>Earthwork</b>				
203E10000	EXCAVATION & EMBANKMENT	1200	CU YD	\$30.00	\$36,000.00
204E10000	SUBGRADE COMPACTION	2559	SQ YD	\$4.50	\$11,515.00
	<b>Subtotal</b>				<b>\$47,515.00</b>
	<b>Erosion Control</b>				
SPECIAL	SWPPP	1	LS	\$5,000.00	\$5,000.00
	<b>Subtotal</b>				<b>\$5,000.00</b>
	<b>PAVEMENT &amp; UTILITIES</b>				
608E10000	CONCRETE SIDEPATH	16450	SQ F	\$5.00	\$82,250.00
SPECIAL	CONCRETE DRIVEWAY APRON	3600	SQ F	\$7.00	\$25,200.00
609E14000	CURB, TYPE 2A	1645	LF	\$40.00	\$65,800.00
608E52000	CURB RAMP	144	SQ F	\$17.00	\$2,448.00
604E04500	CATCH BASIN, NO. 2-2B	5	EA	\$1,500.00	\$7,500.00
603E10400	24" CONDUIT, TYPE B	1645	LF	\$100.00	\$164,500.00
638E10300	FIRE HYDRANT RELOCATED	4	EA	\$4,000.00	\$16,000.00
SPECIAL	BOLLARD	4	EA	\$800.00	\$3,200.00
SPECIAL	REMOVEABLE BOLLARD	2	EA	\$1,200.00	\$2,400.00
SPECIAL	TIMBER GUARDRAIL EXTEND ON EXISTING BRIDGE	65	LF	\$50.00	\$3,250.00
SPECIAL	CONCRETE BARRIER	150	LF	\$180.00	\$27,000.00
SPECIAL	TIMBER GUARDRAIL	60	LF	\$50.00	\$3,000.00
	<b>Subtotal</b>				<b>\$402,548.00</b>
	<b>At Grade Crossings, Road Markings and Incidentals</b>				
SPECIAL	TRAIL SIGNAGE	1645	LF	\$1.50	\$2,467.50
	<b>Subtotal</b>				<b>\$2,467.50</b>
	<b>Landscape</b>				
659E10000	SEEDING AND MULCHING	1097	SQ Y	\$3.00	\$3,290.00
659E00300	TOPSOIL	121	CU YD	\$40.00	\$4,825.33
659	LANDSCAPE ALLOWANCE	1	LS	\$20,000.00	\$20,000.00
659	BIORETENTION	900	SF	\$16.00	\$14,400.00
	<b>Subtotal</b>				<b>\$42,515.33</b>
	<b>Construction Survey &amp; Layout</b>				
SPECIAL	SURVEY AND LAYOUT	1	LS	\$5,000.00	\$5,000.00
614E11000	MAINTAINING TRAFFIC	1	LS	\$10,000.00	\$10,000.00
	<b>Subtotal</b>				<b>\$15,000.00</b>
	<b>TOTAL</b>				<b>\$523,833.61</b>
	CONTINGENCY (20%)				\$104,766.72
	GENERAL CONDITIONS (4%)				\$25,144.01
	BONDS AND INSURANCES (2.5%)				\$15,715.01
	MOBILIZATION AND DEMOBILIZATION (1%)				\$6,286.00
	ENGINEERING AND DOCUMENTS (18%)				\$113,148.06
	<b>GRAND TOTAL</b>				<b>\$788,893.42</b>

**Assumptions:**

- 1) See general assumptions
- 2) Possible design exception needed for sidepath



THREE CREEKS TRAIL - PIGEON CREEK SEGMENT  
 CONCEPTUAL OPINION OF PROBABLE COSTS  
 DECEMBER 12, 2014



**COST DETAIL 1-13: COPLEY RD TO WHITE POND DR**

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
	<b>Site Preparation/Demolition</b>				
201E11000	CLEARING AND GRUBBING	1	LUMP	\$7,000.00	\$7,000.00
	Subtotal				\$7,000.00
	<b>Earthwork</b>				
203E10000	EXCAVATION & EMBANKMENT	1047	CU YD	\$20.00	\$20,933.33
204E10000	SUBGRADE COMPACTION	7327	SQ YD	\$4.50	\$32,970.00
	Subtotal				\$53,903.33
	<b>Erosion Control</b>				
SPECIAL	SWPPP	1	LS	\$7,500.00	\$7,500.00
	Subtotal				\$7,500.00
	<b>PAVEMENT &amp; UTILITIES</b>				
304E20000	6" AGGREGATE BASE	959	CU YD	\$68.00	\$65,242.22
448E46020	1.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, PG64-22	218	CU YD	\$120.00	\$26,166.67
407E10000	TACK COAT	3533	GAL	\$2.50	\$8,831.25
448E46904	1.5 " ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG70-22M	218	CU YD	\$150.00	\$32,708.33
608E52000	CURB RAMP	576	SQ F	\$17.00	\$9,792.00
603E10400	24" CONDUIT, TYPE B	120	LF	\$100.00	\$12,000.00
SPECIAL	BOLLARD	8	EA	\$800.00	\$6,400.00
SPECIAL	REMOVEABLE BOLLARD	4	EA	\$1,200.00	\$4,800.00
SPECIAL	TIMBER RAIL EXTENTION ON EXISTING GUARDRAIL	0	LF	\$30.00	\$0.00
SPECIAL	TIMBER RAIL	120	LF	\$50.00	\$6,000.00
632E26000	PEDESTRIAN PUSHBUTTON	4	EA	\$200.00	\$800.00
632E20730	PEDESTRIAN SIGNAL HEAD (LED), (COUNTDOWN), TYPE D2	4	EA	\$600.00	\$2,400.00
SPECIAL	PEDESTRIAN SIGNAL MODIFICATIONS TO EXISTING TRAFFIC SIGNAL	1	EA	\$8,000.00	\$8,000.00
SPECIAL	BRIDGE ABUTMENTS	2	EA	\$25,000.00	\$50,000.00
SPECIAL	BRIDGE	45	LF	\$1,600.00	\$72,000.00
	Subtotal				\$305,140.47
	<b>At Grade Crossings, Road Markings and Incidentals</b>				
642E00490	STOP LINE	50	FT	\$3.00	\$150.00
642E00590	CROSSWALK LINE	300	FT	\$2.00	\$600.00
SPECIAL	SIGNAGE (STOP, DO NOT ENTER, BIKE, PARKING WITH U-LINE POLE)	4	EA	\$150.00	\$600.00
SPECIAL	TRAIL SIGNAGE	4755	LF	\$1.50	\$7,132.50
	Subtotal				\$8,482.50
	<b>Landscape</b>				
659E10000	SEEDING AND MULCHING	3140	SQ Y	\$3.00	\$9,420.00
659E00300	TOPSOIL	345	CU YD	\$40.00	\$13,816.00
659	LANDSCAPE ALLOWANCE	1	LS	\$30,000.00	\$30,000.00
659	BIORETENTION	2600	SF	\$16.00	\$41,600.00
	Subtotal				\$94,836.00
	<b>Construction Survey &amp; Layout</b>				
SPECIAL	SURVEY AND LAYOUT	1	LS	\$5,000.00	\$5,000.00
614E11000	MAINTAINING TRAFFIC	1	LS	\$5,000.00	\$5,000.00
	Subtotal				\$10,000.00
	<b>TOTAL</b>				\$486,862.31
	CONTINGENCY (20%)				\$97,372.46
	GENERAL CONDITIONS (4%)				\$23,369.39
	BONDS AND INSURANCES (2.5%)				\$14,605.87
	MOBILIZATION AND DEMOBILIZATION (1%)				\$5,842.35
	ENGINEERING AND DOCUMENTS (18%)				\$105,162.26
	<b>GRAND TOTAL</b>				\$733,214.63

**Assumptions:**

- 1) See general assumptions



THREE CREEKS TRAIL - PIGEON CREEK SEGMENT  
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**COST DETAIL 1-14: WHITE POND DR TO SCHOCALOG RUN**

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
	<b>Site Preparation/Demolition</b>				
201E11000	CLEARING AND GRUBBING	1	LUMP	\$5,000.00	\$5,000.00
	Subtotal				\$5,000.00
	<b>Earthwork</b>				
203E10000	EXCAVATION & EMBANKMENT	1268	CU YD	\$20.00	\$25,355.56
204E10000	SUBGRADE COMPACTION	8874	SQ YD	\$4.50	\$39,935.00
	Subtotal				\$65,290.56
	<b>Erosion Control</b>				
SPECIAL	SWPPP	1	LS	\$10,000.00	\$10,000.00
	Subtotal				\$10,000.00
	<b>PAVEMENT &amp; UTILITIES</b>				
304E20000	6" AGGREGATE BASE	1162	CU YD	\$68.00	\$79,024.81
448E46020	1.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, PG64-22	264	CU YD	\$120.00	\$31,694.44
407E10000	TACK COAT	4279	GAL	\$2.50	\$10,696.88
448E46904	1.5 " ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG70-22M	264	CU YD	\$150.00	\$39,618.06
608E52000	CURB RAMP	432	SQ F	\$17.00	\$7,344.00
SPECIAL	BOLLARD	4	EA	\$800.00	\$3,200.00
SPECIAL	REMOVEABLE BOLLARD	2	EA	\$1,200.00	\$2,400.00
SPECIAL	TIMBER RAIL	120	LF	\$50.00	\$6,000.00
SPECIAL	KIOSK	1	EA	\$7,500.00	\$7,500.00
SPECIAL	BRIDGE ABUTMENTS	2	EA	\$25,000.00	\$50,000.00
SPECIAL	BRIDGE	60	LF	\$1,600.00	\$96,000.00
	Subtotal				\$333,478.19
	<b>At Grade Crossings, Road Markings and Incidentals</b>				
642E00590	CROSSWALK LINE	50	FT	\$2.00	\$100.00
SPECIAL	SIGNAGE (STOP, DO NOT ENTER, BIKE, PARKING WITH U-LINE POLE)	2	EA	\$150.00	\$300.00
SPECIAL	TRAIL SIGNAGE	5765	EA	\$1.50	\$8,647.50
	Subtotal				\$9,047.50
	<b>Landscape</b>				
659E10000	SEEDING AND MULCHING	3803	SQ Y	\$3.00	\$11,410.00
659E00300	TOPSOIL	418	CU YD	\$40.00	\$16,734.67
659	LANDSCAPE ALLOWANCE	1	LS	\$15,000.00	\$15,000.00
659	BIORETENTION	3200	SF	\$16.00	\$51,200.00
	Subtotal				\$94,344.67
	<b>Construction Survey &amp; Layout</b>				
SPECIAL	SURVEY AND LAYOUT	1	LS	\$5,000.00	\$5,000.00
614E11000	MAINTAINING TRAFFIC	1	LS	\$5,000.00	\$5,000.00
	Subtotal				\$10,000.00
	<b>TOTAL</b>				<b>\$527,160.91</b>
	CONTINGENCY (20%)				\$105,432.18
	GENERAL CONDITIONS (4%)				\$25,303.72
	BONDS AND INSURANCES (2.5%)				\$15,814.83
	MOBILIZATION AND DEMOBILIZATION (1%)				\$6,325.93
	ENGINEERING AND DOCUMENTS (18%)				\$113,866.76
	<b>GRAND TOTAL</b>				<b>\$793,904.33</b>

**Assumptions:**

- 1) See general assumptions



THREE CREEKS TRAIL - SCHOCALOG RUN SEGMENT  
 CONCEPTUAL OPINION OF PROBABLE COSTS  
 DECEMBER 12, 2014



**COST DETAIL 1-15: SCHOCALOG RUN TO SCHOCALOG RD**

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
	<b>Site Preparation/Demolition</b>				
201E11000	CLEARING AND GRUBBING	1	LUMP	\$5,000.00	\$5,000.00
	Subtotal				\$5,000.00
	<b>Earthwork</b>				
203E10000	EXCAVATION & EMBANKMENT	664	CU YD	\$20.00	\$13,288.89
204E10000	SUBGRADE COMPACTION	4651	SQ YD	\$4.50	\$20,930.00
	Subtotal				\$34,218.89
	<b>Erosion Control</b>				
SPECIAL	SWPPP	1	LS	\$5,000.00	\$5,000.00
	Subtotal				\$5,000.00
	<b>PAVEMENT &amp; UTILITIES</b>				
304E20000	6" AGGREGATE BASE	609	CU YD	\$68.00	\$41,417.04
448E46020	1.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, PG64-22	138	CU YD	\$120.00	\$16,611.11
407E10000	TACK COAT	2243	GAL	\$2.50	\$5,606.25
448E46904	1.5 " ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG70-22M	138	CU YD	\$150.00	\$20,763.89
608E52000	CURB RAMP	144	SQ F	\$17.00	\$2,448.00
SPECIAL	BOLLARD	4	EA	\$800.00	\$3,200.00
SPECIAL	REMOVEABLE BOLLARD	2	EA	\$1,200.00	\$2,400.00
SPECIAL	3-SIDED CONCRETE CULVERT	40	LF	\$1,200.00	\$48,000.00
SPECIAL	TIMBER GUARDRAIL	560	LF	\$50.00	\$28,000.00
	Subtotal				\$168,446.29
	<b>At Grade Crossings, Road Markings and Incidentals</b>				
SPECIAL	TRAIL SIGNAGE	2990	LF	\$1.50	\$4,485.00
	Subtotal				\$4,485.00
	<b>Landscape</b>				
659E10000	SEEDING AND MULCHING	1993	SQ Y	\$3.00	\$5,980.00
659E00300	TOPSOIL	219	CU YD	\$40.00	\$8,770.67
659	LANDSCAPE ALLOWANCE	1	LS	\$10,000.00	\$10,000.00
659	BIORETENTION	1650	SF	\$16.00	\$26,400.00
	Subtotal				\$51,150.67
	<b>Construction Survey &amp; Layout</b>				
SPECIAL	SURVEY AND LAYOUT	1	LS	\$5,000.00	\$5,000.00
614E11000	MAINTAINING TRAFFIC	1	LS	\$5,000.00	\$5,000.00
	Subtotal				\$10,000.00
	<b>TOTAL</b>				<b>\$278,300.84</b>
	CONTINGENCY (20%)				\$55,660.17
	GENERAL CONDITIONS (4%)				\$13,358.44
	BONDS AND INSURANCES (2.5%)				\$8,349.03
	MOBILIZATION AND DEMOBILIZATION (1%)				\$3,339.61
	ENGINEERING AND DOCUMENTS (18%)				\$60,112.98
	<b>GRAND TOTAL</b>				<b>\$419,121.07</b>

**Assumptions:**

- 1) See general assumptions



THREE CREEKS TRAIL - SCHOCALOG RUN SEGMENT  
 CONCEPTUAL OPINION OF PROBABLE COSTS  
 DECEMBER 12, 2014



**COST DETAIL 1-16: SCHOCALOG RD TO JACOBY RD**

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
<b>Site Preparation/Demolition</b>					
201E11000	CLEARING AND GRUBBING	1	LUMP	\$7,500.00	\$7,500.00
SPECIAL	SIGN RELOCATION	2	EA	\$150.00	\$300.00
Subtotal					\$7,800.00
<b>Earthwork</b>					
203E10000	EXCAVATION & EMBANKMENT	1180	CU YD	\$20.00	\$23,600.00
204E10000	SUBGRADE COMPACTION	8260	SQ YD	\$4.50	\$37,170.00
Subtotal					\$60,770.00
<b>Erosion Control</b>					
SPECIAL	SWPPP	1	LS	\$7,500.00	\$7,500.00
Subtotal					\$7,500.00
<b>PAVEMENT &amp; UTILITIES</b>					
304E20000	6" AGGREGATE BASE	1082	CU YD	\$68.00	\$73,553.33
448E46020	1.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, PG64-22	246	CU YD	\$120.00	\$29,500.00
407E10000	TACK COAT	3983	GAL	\$2.50	\$9,956.25
448E46904	1.5 " ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG70-22M	246	CU YD	\$150.00	\$36,875.00
608E10000	CONCRETE SIDEPATH	3650	SQ F	\$5.00	\$18,250.00
609E14000	CURB, TYPE 2A	365	LF	\$40.00	\$14,600.00
608E52000	CURB RAMP	864	SQ F	\$17.00	\$14,688.00
SPECIAL	BOLLARD	6	EA	\$800.00	\$4,800.00
SPECIAL	REMOVEABLE BOLLARD	3	EA	\$1,200.00	\$3,600.00
SPECIAL	3-SIDED CONCRETE CULVERT	30	LF	\$1,200.00	\$36,000.00
SPECIAL	TIMBER RAIL	120	LF	\$50.00	\$6,000.00
SPECIAL	RAILROAD RUBBER CROSSING	1	EA	\$15,000.00	\$15,000.00
SPECIAL	UTILITY POLE GUY RELOCATION	2	EA	\$3,000.00	\$6,000.00
SPECIAL	BRIDGE ABUTMENTS	2	EA	\$25,000.00	\$50,000.00
SPECIAL	BRIDGE	50	LF	\$1,600.00	\$80,000.00
SPECIAL	PRE-MANUFACTURED OVERLOOK AND BOARDWALK	1	LS	\$40,000.00	\$40,000.00
Subtotal					\$438,822.58
<b>At Grade Crossings, Road Markings and Incidentals</b>					
642E00590	CROSSWALK LINE	120	FT	\$2.00	\$240.00
SPECIAL	SIGNAGE (STOP, DO NOT ENTER, BIKE, PARKING WITH U-LINE POLE)	4	EA	\$150.00	\$600.00
SPECIAL	TRAIL SIGNAGE	5360	LF	\$1.50	\$8,040.00
Subtotal					\$8,880.00
<b>Landscape</b>					
659E10000	SEEDING AND MULCHING	3540	SQ Y	\$3.00	\$10,620.00
659E00300	TOPSOIL	389	CU YD	\$40.00	\$15,576.00
659	LANDSCAPE ALLOWANCE	1	LS	\$30,000.00	\$30,000.00
659	BIORETENTION	3000	SF	\$16.00	\$48,000.00
Subtotal					\$104,196.00
<b>Construction Survey &amp; Layout</b>					
SPECIAL	SURVEY AND LAYOUT	1	LS	\$7,500.00	\$7,500.00
614E11000	MAINTAINING TRAFFIC	1	LS	\$5,000.00	\$5,000.00
Subtotal					\$12,500.00
<b>TOTAL</b>					<b>\$640,468.58</b>
CONTINGENCY (20%)					\$128,093.72
GENERAL CONDITIONS (4%)					\$30,742.49
BONDS AND INSURANCES (2.5%)					\$19,214.06
MOBILIZATION AND DEMOBILIZATION (1%)					\$7,685.62
ENGINEERING AND DOCUMENTS (18%)					\$138,341.21
<b>GRAND TOTAL</b>					<b>\$964,545.69</b>

**Assumptions:**

- 1) See general assumptions
- 2) Possible design exception needed for sidepath



THREE CREEKS TRAIL - SCHOCALOG RUN SEGMENT  
 CONCEPTUAL OPINION OF PROBABLE COSTS  
 DECEMBER 12, 2014



**COST DETAIL 1-17: JACOBY RD TO RIDGEWOOD RD TRAILHEAD**

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
	<b>Site Preparation/Demolition</b>				
201E11000	CLEARING AND GRUBBING	1	LUMP	\$15,000.00	\$15,000.00
	Subtotal				\$15,000.00
	<b>Earthwork</b>				
203E10000	EXCAVATION & EMBANKMENT	2066	CU YD	\$20.00	\$41,324.44
204E10000	SUBGRADE COMPACTION	14464	SQ YD	\$4.50	\$65,086.00
	Subtotal				\$106,410.44
	<b>Erosion Control</b>				
SPECIAL	SWPPP	1	LS	\$10,000.00	\$10,000.00
	Subtotal				\$10,000.00
	<b>PAVEMENT &amp; UTILITIES</b>				
304E20000	6" AGGREGATE BASE	1894	CU YD	\$68.00	\$128,794.52
448E46020	1.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, PG64-22	430	CU YD	\$120.00	\$51,655.56
407E10000	TACK COAT	6974	GAL	\$2.50	\$17,433.75
448E46904	1.5 " ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG70-22M	430	CU YD	\$150.00	\$64,569.44
608E52000	CURB RAMP	576	SQ F	\$17.00	\$9,792.00
603E10400	24" CONDUIT, TYPE B	120	LF	\$100.00	\$12,000.00
SPECIAL	BOLLARD	8	EA	\$800.00	\$6,400.00
SPECIAL	REMOVEABLE BOLLARD	4	EA	\$1,200.00	\$4,800.00
632E26000	PEDESTRIAN PUSHBUTTON	2	EA	\$200.00	\$400.00
632E20730	PEDESTRIAN SIGNAL HEAD (LED), (COUNTDOWN), TYPE D2	2	EA	\$600.00	\$1,200.00
SPECIAL	PEDESTRIAN SIGNAL MODIFICATIONS TO EXISTING TRAFFIC SIGNAL	2	EA	\$8,000.00	\$16,000.00
SPECIAL	KIOSK	1	EA	\$7,500.00	\$7,500.00
	Subtotal				\$320,545.27
	<b>At Grade Crossings, Road Markings and Incidentals</b>				
642E00490	STOP LINE	25	FT	\$3.00	\$75.00
642E00590	CROSSWALK LINE	182	FT	\$2.00	\$364.00
SPECIAL	SIGNAGE (STOP, DO NOT ENTER, BIKE, PARKING WITH U-LINE POLE)	4	EA	\$150.00	\$600.00
SPECIAL	TRAIL SIGNAGE	7465	LF	\$1.50	\$11,197.50
	Subtotal				\$12,236.50
	<b>Landscape</b>				
659E10000	SEEDING AND MULCHING	6199	SQ Y	\$3.00	\$18,596.00
659E00300	TOPSOIL	682	CU YD	\$40.00	\$27,274.13
659	LANDSCAPE ALLOWANCE	1	LS	\$20,000.00	\$20,000.00
659	BIORETENTION	4200	SF	\$16.00	\$67,200.00
	Subtotal				\$133,070.13
	<b>Construction Survey &amp; Layout</b>				
SPECIAL	SURVEY AND LAYOUT	1	LS	\$10,000.00	\$10,000.00
614E11000	MAINTAINING TRAFFIC	1	LS	\$5,000.00	\$5,000.00
	Subtotal				\$15,000.00
	<b>TOTAL</b>				\$612,262.35
	CONTINGENCY (20%)				\$122,452.47
	GENERAL CONDITIONS (4%)				\$29,388.59
	BONDS AND INSURANCES (2.5%)				\$18,367.87
	MOBILIZATION AND DEMOBILIZATION (1%)				\$7,347.15
	ENGINEERING AND DOCUMENTS (18%)				\$132,248.67
	<b>GRAND TOTAL</b>				\$922,067.09

**Assumptions:**

- 1) See general assumptions



THREE CREEKS TRAIL - BARBERTON SCHOOLS CONNECTOR  
 CONCEPTUAL OPINION OF PROBABLE COSTS  
 DECEMBER 12, 2014



**COST DETAIL 2-1: NORTON AVENUE TO BARBER ROAD**

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
	<b>Site Preparation/Demolition</b>				
201E11000	CLEARING AND GRUBBING	1.0	LUMP	\$3,000.00	\$3,000.00
202E23500	ASPHALT OR CONCRETE REMOVAL	910	SY	\$8.00	\$7,280.00
202E30000	CONCRETE WALK OR APRON REMOVED	6800	SQ F	\$2.50	\$17,000.00
202E32000	CURB REMOVED	1360	LF	\$10.00	\$13,600.00
SPECIAL	CATCH BASIN REMOVED	6	EA	\$500.00	\$3,000.00
	<b>Subtotal</b>				<b>\$43,880.00</b>
	<b>Earthwork</b>				
203E10000	EXCAVATION & EMBANKMENT	337	CU YD	\$30.00	\$10,100.00
204E10000	SUBGRADE COMPACTION	2357	SQ YD	\$4.50	\$10,605.00
	<b>Subtotal</b>				<b>\$20,705.00</b>
	<b>Erosion Control</b>				
SPECIAL	SWPPP	1	LS	\$3,000.00	\$3,000.00
	<b>Subtotal</b>				<b>\$3,000.00</b>
	<b>PAVEMENT &amp; UTILITIES</b>				
608E10000	CONCRETE SIDEPATH	15150	SQ F	\$5.00	\$75,750.00
SPECIAL	DECORATIVE CONCRETE SIDEPATH BANDING	7575	SQ F	\$8.00	\$60,600.00
SPECIAL	CONCRETE DRIVEWAY APRON	1545	SQ F	\$7.00	\$10,815.00
609E14000	CURB, TYPE 2A	1360	LF	\$40.00	\$54,400.00
608E52000	CURB RAMP	576	SQ F	\$17.00	\$9,792.00
604E04500	CATCH BASIN, NO. 2-2B	6	EA	\$1,500.00	\$9,000.00
611E04400	12" CONDUIT, TYPE B	30	LF	\$60.00	\$1,800.00
638E10300	FIRE HYDRANT EXTENDED AND ADJUSTED TO GRADE	1	EA	\$4,000.00	\$4,000.00
	<b>Subtotal</b>				<b>\$226,157.00</b>
	<b>At Grade Crossings, Road Markings and Incidentals</b>				
642E00590	CROSSWALK LINE	290	FT	\$2.00	\$580.00
SPECIAL	SIGNAGE (STOP, DO NOT ENTER, BIKE, PARKING WITH U-LINE POLE)	2	EA	\$150.00	\$300.00
SPECIAL	TRAIL SIGNAGE	1515	LF	\$1.50	\$2,272.50
SPECIAL	NORTON ROAD STRIPING	1	LS	\$1,000.00	\$1,000.00
	<b>Subtotal</b>				<b>\$4,152.50</b>
	<b>Landscape</b>				
659E10000	SEEDING AND MULCHING	1010	SQ Y	\$3.00	\$3,030.00
659E00300	TOPSOIL	111	CU YD	\$40.00	\$4,444.00
659	TREE REPLACEMENT/ADDITION	18	EA	\$250.00	\$4,450.00
659	LANDSCAPE ALLOWANCE	1	LS	\$10,000.00	\$10,000.00
659	BIORETENTION	850	SF	\$16.00	\$13,600.00
	<b>Subtotal</b>				<b>\$35,524.00</b>
	<b>Construction Survey &amp; Layout</b>				
SPECIAL	SURVEY AND LAYOUT	1	LS	\$5,000.00	\$5,000.00
614E11000	MAINTAINING TRAFFIC	1	LS	\$7,500.00	\$7,500.00
	<b>Subtotal</b>				<b>\$12,500.00</b>
	<b>TOTAL</b>				<b>\$345,918.50</b>
	CONTINGENCY (20%)				\$69,183.70
	GENERAL CONDITIONS (4%)				\$16,604.09
	BONDS AND INSURANCES (2.5%)				\$10,377.56
	MOBILIZATION AND DEMOBILIZATION (1%)				\$4,151.02
	ENGINEERING AND DOCUMENTS (18%)				\$74,718.40
	<b>GRAND TOTAL</b>				<b>\$520,953.26</b>

**Assumptions:**

- 1) See general assumptions
- 2) Possible design exception needed for sidepath



THREE CREEKS TRAIL - BARBERTON SPORTS CONNECTOR  
 CONCEPTUAL OPINION OF PROBABLE COSTS  
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**COST DETAIL 2-2: BARBER RD TO YONKER ST**

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
	<b>Site Preparation/Demolition</b>				
201E11000	CLEARING AND GRUBBING	1.0	LUMP	\$5,000.00	\$5,000.00
SPECIAL	FENCE REMOVAL	20	LF	\$5.00	\$100.00
	Subtotal				\$5,100.00
	<b>Earthwork</b>				
203E10000	EXCAVATION & EMBANKMENT	481	CU YD	\$20.00	\$9,622.22
204E10000	SUBGRADE COMPACTION	3368	SQ YD	\$4.50	\$15,155.00
	Subtotal				\$24,777.22
	<b>Erosion Control</b>				
SPECIAL	SWPPP	1	LS	\$5,000.00	\$5,000.00
	Subtotal				\$5,000.00
	<b>PAVEMENT &amp; UTILITIES</b>				
304E20000	6" AGGREGATE BASE	441	CU YD	\$68.00	\$29,989.26
448E46020	1.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, PG64-22	100	CU YD	\$120.00	\$12,027.78
407E10000	TACK COAT	1624	GAL	\$2.50	\$4,059.38
448E46904	1.5 " ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG70-22M	100	CU YD	\$150.00	\$15,034.72
603E10400	24" CONDUIT, TYPE B	30	LF	\$100.00	\$3,000.00
SPECIAL	BOLLARD	2	EA	\$800.00	\$1,600.00
SPECIAL	REMOVEABLE BOLLARD	1	EA	\$1,200.00	\$1,200.00
SPECIAL	KIOSK	1	EA	\$7,500.00	\$7,500.00
	Subtotal				\$74,411.13
	<b>At Grade Crossings, Road Markings and Incidentals</b>				
SPECIAL	TRAIL SIGNAGE	2165	LF	\$1.50	\$3,247.50
	Subtotal				\$3,247.50
	<b>Landscape</b>				
659E10000	SEEDING AND MULCHING	1443	SQ Y	\$3.00	\$4,330.00
659E00300	TOPSOIL	159	CU YD	\$40.00	\$6,350.67
659	LANDSCAPE ALLOWANCE	1	LS	\$10,000.00	\$10,000.00
659	BIORETENTION	1200	SF	\$16.00	\$19,200.00
	Subtotal				\$39,880.67
	<b>Construction Survey &amp; Layout</b>				
SPECIAL	SURVEY AND LAYOUT	1	LS	\$2,000.00	\$2,000.00
614E11000	MAINTAINING TRAFFIC	1	LS	\$2,000.00	\$2,000.00
	Subtotal				\$4,000.00
	<b>TOTAL</b>				\$156,416.52
	CONTINGENCY (20%)				\$31,283.30
	GENERAL CONDITIONS (4%)				\$7,507.99
	BONDS AND INSURANCES (2.5%)				\$4,692.50
	MOBILIZATION AND DEMOBILIZATION (1%)				\$1,877.00
	ENGINEERING AND DOCUMENTS (18%)				\$33,785.97
	<b>GRAND TOTAL</b>				\$235,563.28

**Assumptions:**

- 1) See general assumptions



THREE CREEKS TRAIL - VAN HYNING RUN CONNECTOR  
 CONCEPTUAL OPINION OF PROBABLE COSTS  
 DECEMBER 12, 2014



**COST DETAIL 2-3: BARBER RD TO DURHAM DR**

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
	<b>Site Preparation/Demolition</b>				
201E11000	CLEARING AND GRUBBING	1.0	LUMP	\$7,500.00	\$7,500.00
	Subtotal				\$7,500.00
	<b>Earthwork</b>				
203E10000	EXCAVATION & EMBANKMENT	1231	CU YD	\$20.00	\$24,622.22
204E10000	SUBGRADE COMPACTION	8618	SQ YD	\$4.50	\$38,780.00
	Subtotal				\$63,402.22
	<b>Erosion Control</b>				
SPECIAL	SWPPP	1	LS	\$7,500.00	\$7,500.00
	Subtotal				\$7,500.00
	<b>PAVEMENT &amp; UTILITIES</b>				
304E20000	6" AGGREGATE BASE	1129	CU YD	\$68.00	\$76,739.26
448E46020	1.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, PG64-22	256	CU YD	\$120.00	\$30,777.78
407E10000	TACK COAT	4155	GAL	\$2.50	\$10,387.50
448E46904	1.5 " ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG70-22M	256	CU YD	\$150.00	\$38,472.22
608E10000	CONCRETE SIDEPATH	4100	SQ F	\$5.00	\$20,500.00
SPECIAL	CONCRETE DRIVEWAY APRON	615	SQ F	\$7.00	\$4,305.00
609E14000	CURB, TYPE 2A	410	LF	\$40.00	\$16,400.00
608E52000	CURB RAMP	432	SQ F	\$17.00	\$7,344.00
603E10400	24" CONDUIT, TYPE B	440	LF	\$100.00	\$44,000.00
SPECIAL	BOLLARD	2	EA	\$800.00	\$1,600.00
SPECIAL	REMOVEABLE BOLLARD	1	EA	\$1,200.00	\$1,200.00
SPECIAL	TIMBER RAIL	120	LF	\$50.00	\$6,000.00
SPECIAL	BRIDGE	75	LF	\$1,600.00	\$120,000.00
SPECIAL	BRIDGE ABUTMENTS	2	EA	\$25,000.00	\$50,000.00
	Subtotal				\$427,725.76
	<b>At Grade Crossings, Road Markings and Incidentals</b>				
642E00590	CROSSWALK LINE	50	FT	\$2.00	\$100.00
SPECIAL	SIGNAGE (STOP, DO NOT ENTER, BIKE, PARKING WITH U-LINE POLE)	2	EA	\$150.00	\$300.00
SPECIAL	TRAIL SIGNAGE	6025	LF	\$1.50	\$9,037.50
	Subtotal				\$9,437.50
	<b>Landscape</b>				
659E10000	SEEDING AND MULCHING	3693	SQ Y	\$3.00	\$11,080.00
659E00300	TOPSOIL	406	CU YD	\$40.00	\$16,250.67
659	LANDSCAPE ALLOWANCE	1	LS	\$10,000.00	\$10,000.00
659	BIORETENTION	3300	SF	\$16.00	\$52,800.00
	Subtotal				\$90,130.67
	<b>Construction Survey &amp; Layout</b>				
SPECIAL	SURVEY AND LAYOUT	1	LS	\$5,000.00	\$5,000.00
614E11000	MAINTAINING TRAFFIC	1	LS	\$5,000.00	\$5,000.00
	Subtotal				\$10,000.00
	<b>TOTAL</b>				\$615,696.15
	CONTINGENCY (20%)				\$123,139.23
	GENERAL CONDITIONS (4%)				\$29,553.42
	BONDS AND INSURANCES (2.5%)				\$18,470.88
	MOBILIZATION AND DEMOBILIZATION (1%)				\$7,388.35
	ENGINEERING AND DOCUMENTS (18%)				\$132,990.37
	<b>GRAND TOTAL</b>				\$927,238.40

**Assumptions:**

- 1) See general assumptions
- 2) Possible design exception needed for sidepath



THREE CREEKS TRAIL - BARBERTON RESERVOIR CONNECTOR  
 CONCEPTUAL OPINION OF PROBABLE COSTS  
 DECEMBER 12, 2014



**COST DETAIL 2-4: PIGEON CREEK TO WADSWORTH RD**

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
	<b>Site Preparation/Demolition</b>				
201E11000	CLEARING AND GRUBBING	1.0	LUMP	\$5,000.00	\$5,000.00
	Subtotal				\$5,000.00
	<b>Earthwork</b>				
203E10000	EXCAVATION & EMBANKMENT	720	CU YD	\$20.00	\$14,400.00
204E10000	SUBGRADE COMPACTION	5040	SQ YD	\$4.50	\$22,680.00
	Subtotal				\$37,080.00
	<b>Erosion Control</b>				
SPECIAL	SWPPP	1	LS	\$5,000.00	\$5,000.00
	Subtotal				\$5,000.00
	<b>PAVEMENT &amp; UTILITIES</b>				
304E20000	6" AGGREGATE BASE	660	CU YD	\$68.00	\$44,880.00
448E46020	1.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, PG64-22	150	CU YD	\$120.00	\$18,000.00
407E10000	TACK COAT	2430	GAL	\$2.50	\$6,075.00
448E46904	1.5 " ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG70-22M	150	CU YD	\$150.00	\$22,500.00
SPECIAL	CONCRETE DRIVEWAY APRON	300	SQ F	\$7.00	\$2,100.00
608E52000	CURB RAMP	144	SQ F	\$17.00	\$2,448.00
SPECIAL	BOLLARD	2	EA	\$800.00	\$1,600.00
SPECIAL	REMOVEABLE BOLLARD	1	EA	\$1,200.00	\$1,200.00
SPECIAL	TIMBER RAIL	120	LF	\$50.00	\$6,000.00
SPECIAL	BRIDGE	60	LF	\$1,600.00	\$96,000.00
SPECIAL	BRIDGE ABUTMENTS	2	EA	\$25,000.00	\$50,000.00
	Subtotal				\$250,803.00
	<b>At Grade Crossings, Road Markings and Incidentals</b>				
SPECIAL	TRAIL SIGNAGE	3300	LF	\$1.50	\$4,950.00
	Subtotal				\$4,950.00
	<b>Landscape</b>				
659E10000	SEEDING AND MULCHING	2160	SQ Y	\$3.00	\$6,480.00
659E00300	TOPSOIL	238	CU YD	\$40.00	\$9,504.00
659	LANDSCAPE ALLOWANCE	1	LS	\$15,000.00	\$15,000.00
659	BIORETENTION	1900	SF	\$16.00	\$30,400.00
	Subtotal				\$61,384.00
	<b>Construction Survey &amp; Layout</b>				
SPECIAL	SURVEY AND LAYOUT	1	LS	\$5,000.00	\$5,000.00
614E11000	MAINTAINING TRAFFIC	1	LS	\$5,000.00	\$5,000.00
	Subtotal				\$10,000.00
	<b>TOTAL</b>				<b>\$374,217.00</b>
	CONTINGENCY (20%)				\$74,843.40
	GENERAL CONDITIONS (4%)				\$17,962.42
	BONDS AND INSURANCES (2.5%)				\$11,226.51
	MOBILIZATION AND DEMOBILIZATION (1%)				\$4,490.60
	ENGINEERING AND DOCUMENTS (18%)				\$80,830.87
	<b>GRAND TOTAL</b>				<b>\$563,570.80</b>

**Assumptions:**

- 1) See general assumptions



THREE CREEKS TRAIL - BARBERTON RESERVOIR CONNECTOR  
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**COST DETAIL 2-5: WADSWORTH RD TO SUMMIT RD**

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
<b>Site Preparation/Demolition</b>					
201E11000	CLEARING AND GRUBBING	1.0	LUMP	\$5,000.00	\$5,000.00
SPECIAL	FENCE REMOVAL	150	LF	\$5.00	\$750.00
Subtotal					\$5,750.00
<b>Earthwork</b>					
203E10000	EXCAVATION & EMBANKMENT	530	CU YD	\$20.00	\$10,600.00
204E10000	SUBGRADE COMPACTION	3710	SQ YD	\$4.50	\$16,695.00
Subtotal					\$27,295.00
<b>Erosion Control</b>					
SPECIAL	SWPPP	1	LS	\$5,000.00	\$5,000.00
Subtotal					\$5,000.00
<b>PAVEMENT &amp; UTILITIES</b>					
304E20000	6" AGGREGATE BASE	486	CU YD	\$68.00	\$33,036.67
448E46020	1.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, PG64-22	110	CU YD	\$120.00	\$13,250.00
407E10000	TACK COAT	1789	GAL	\$2.50	\$4,471.88
448E46904	1.5 " ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG70-22M	110	CU YD	\$150.00	\$16,562.50
608E52000	CURB RAMP	288	SQ F	\$17.00	\$4,896.00
SPECIAL	BOLLARD	2	EA	\$800.00	\$1,600.00
607E20000	FENCE, TYPE CL	150	LF	\$20.00	\$3,000.00
Subtotal					\$76,817.04
<b>At Grade Crossings, Road Markings and Incidentals</b>					
642E00590	CROSSWALK LINE	80	FT	\$2.00	\$160.00
SPECIAL	SIGNAGE (STOP, DO NOT ENTER, BIKE, PARKING WITH U-LINE POLE)	2	EA	\$150.00	\$300.00
SPECIAL	TRAIL SIGNAGE	2385	LF	\$1.50	\$3,577.50
Subtotal					\$4,037.50
<b>Landscape</b>					
659E10000	SEEDING AND MULCHING	1590	SQ Y	\$3.00	\$4,770.00
659E00300	TOPSOIL	175	CU YD	\$40.00	\$6,996.00
659	LANDSCAPE ALLOWANCE	1	LS	\$10,000.00	\$10,000.00
659	BIORETENTION	1400	SF	\$16.00	\$22,400.00
Subtotal					\$44,166.00
<b>Construction Survey &amp; Layout</b>					
SPECIAL	SURVEY AND LAYOUT	1	LS	\$5,000.00	\$5,000.00
614E11000	MAINTAINING TRAFFIC	1	LS	\$5,000.00	\$5,000.00
Subtotal					\$10,000.00
<b>TOTAL</b>					<b>\$173,065.54</b>
CONTINGENCY (20%)					\$34,613.11
GENERAL CONDITIONS (4%)					\$8,307.15
BONDS AND INSURANCES (2.5%)					\$5,191.97
MOBILIZATION AND DEMOBILIZATION (1%)					\$2,076.79
ENGINEERING AND DOCUMENTS (18%)					\$37,382.16
<b>GRAND TOTAL</b>					<b>\$260,636.71</b>

**Assumptions:**

- 1) See general assumptions



THREE CREEKS TRAIL - BARBERTON RESERVOIR CONNECTOR  
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**COST DETAIL 2-6: SUMMIT RD TO RICH RD**

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
	<b>Site Preparation/Demolition</b>				
201E11000	CLEARING AND GRUBBING	1.0	LUMP	\$5,000.00	\$5,000.00
	Subtotal				\$5,000.00
	<b>Earthwork</b>				
203E10000	EXCAVATION & EMBANKMENT	822	CU YD	\$20.00	\$16,444.44
204E10000	SUBGRADE COMPACTION	5756	SQ YD	\$4.50	\$25,900.00
	Subtotal				\$42,344.44
	<b>Erosion Control</b>				
SPECIAL	SWPPP	1	LS	\$5,000.00	\$5,000.00
	Subtotal				\$5,000.00
	<b>PAVEMENT &amp; UTILITIES</b>				
304E20000	6" AGGREGATE BASE	754	CU YD	\$68.00	\$51,251.85
448E46020	1.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, PG64-22	171	CU YD	\$120.00	\$20,555.56
407E10000	TACK COAT	2775	GAL	\$2.50	\$6,937.50
448E46904	1.5 " ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG70-22M	171	CU YD	\$150.00	\$25,694.44
603E10400	24" CONDUIT, TYPE B	30	LF	\$100.00	\$3,000.00
SPECIAL	BOLLARD	6	EA	\$800.00	\$4,800.00
SPECIAL	REMOVEABLE BOLLARD	3	EA	\$1,200.00	\$3,600.00
SPECIAL	TIMBER RAIL	120	LF	\$50.00	\$6,000.00
SPECIAL	BRIDGE	80	LF	\$1,000.00	\$80,000.00
SPECIAL	BRIDGE ABUTMENTS	2	EA	\$25,000.00	\$50,000.00
	Subtotal				\$251,839.35
	<b>At Grade Crossings, Road Markings and Incidentals</b>				
642E00590	CROSSWALK LINE	50	FT	\$2.00	\$100.00
SPECIAL	SIGNAGE (STOP, DO NOT ENTER, BIKE, PARKING WITH U-LINE POLE)	2	EA	\$150.00	\$300.00
SPECIAL	TRAIL SIGNAGE	3780	LF	\$1.50	\$5,670.00
	Subtotal				\$6,070.00
	<b>Landscape</b>				
659E10000	SEEDING AND MULCHING	2467	SQ Y	\$3.00	\$7,400.00
659E00300	TOPSOIL	271	CU YD	\$40.00	\$10,853.33
659	LANDSCAPE ALLOWANCE	1	LS	\$10,000.00	\$10,000.00
659	BIORETENTION	2200	SF	\$16.00	\$35,200.00
	Subtotal				\$63,453.33
	<b>Construction Survey &amp; Layout</b>				
SPECIAL	SURVEY AND LAYOUT	1	LS	\$5,000.00	\$5,000.00
614E11000	MAINTAINING TRAFFIC	1	LS	\$5,000.00	\$5,000.00
	Subtotal				\$10,000.00
	<b>TOTAL</b>				<b>\$383,707.13</b>
	CONTINGENCY (20%)				\$76,741.43
	GENERAL CONDITIONS (4%)				\$18,417.94
	BONDS AND INSURANCES (2.5%)				\$11,511.21
	MOBILIZATION AND DEMOBILIZATION (1%)				\$4,604.49
	ENGINEERING AND DOCUMENTS (18%)				\$82,880.74
	<b>GRAND TOTAL</b>				<b>\$577,862.94</b>

**Assumptions:**

- 1) See general assumptions



THREE CREEKS TRAIL - AKRON CONNECTOR  
 CONCEPTUAL OPINION OF PROBABLE COSTS  
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**COST DETAIL 2-7:SCHOCALOG RUN TO FRANK BLVD**

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
	<b>Site Preparation/Demolition</b>				
201E11000	CLEARING AND GRUBBING	1.0	LUMP	\$5,000.00	\$5,000.00
202E23500	WEARING COURSE REMOVED	670	SY	\$5.00	\$3,350.00
	<b>Subtotal</b>				<b>\$8,350.00</b>
	<b>Earthwork</b>				
203E10000	EXCAVATION & EMBANKMENT	1020	CU YD	\$20.00	\$20,400.00
204E10000	SUBGRADE COMPACTION	7140	SQ YD	\$4.50	\$32,130.00
	<b>Subtotal</b>				<b>\$52,530.00</b>
	<b>Erosion Control</b>				
SPECIAL	SWPPP	1	LS	\$5,000.00	\$5,000.00
	<b>Subtotal</b>				<b>\$5,000.00</b>
	<b>PAVEMENT &amp; UTILITIES</b>				
304E20000	6" AGGREGATE BASE	935	CU YD	\$68.00	\$63,580.00
448E46020	1.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, PG64-22	213	CU YD	\$120.00	\$25,500.00
407E10000	TACK COAT	3443	GAL	\$2.50	\$8,606.25
448E46904	1.5 " ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG70-22M	213	CU YD	\$150.00	\$31,875.00
608E10000	4" CONCRETE WALK	1000	SQ F	\$4.00	\$4,000.00
608E52000	CURB RAMP	432	SQ F	\$17.00	\$7,344.00
603E10400	24" CONDUIT, TYPE B	30	LF	\$100.00	\$3,000.00
SPECIAL	BOLLARD	2	EA	\$800.00	\$1,600.00
SPECIAL	REMOVEABLE BOLLARD	1	EA	\$1,200.00	\$1,200.00
SPECIAL	TIMBER RAIL	400	LF	\$50.00	\$20,000.00
SPECIAL	RAILROAD RUBBER CROSSING	1	EA	\$15,000.00	\$15,000.00
	<b>Subtotal</b>				<b>\$181,705.25</b>
	<b>At Grade Crossings, Road Markings and Incidentals</b>				
642E00590	CROSSWALK LINE	240	FT	\$2.00	\$480.00
SPECIAL	SIGNAGE (STOP, DO NOT ENTER, BIKE, PARKING WITH U-LINE POLE)	2	EA	\$150.00	\$300.00
SPECIAL	TRAIL SIGNAGE	4590	LF	\$1.50	\$6,885.00
	<b>Subtotal</b>				<b>\$7,665.00</b>
	<b>Landscape</b>				
659E10000	SEEDING AND MULCHING	3060	SQ Y	\$3.00	\$9,180.00
659E00300	TOPSOIL	337	CU YD	\$40.00	\$13,464.00
659	LANDSCAPE ALLOWANCE	1	LS	\$10,000.00	\$10,000.00
659	BIORETENTION	2500	SF	\$16.00	\$40,000.00
	<b>Subtotal</b>				<b>\$72,644.00</b>
	<b>Construction Survey &amp; Layout</b>				
SPECIAL	SURVEY AND LAYOUT	1	LS	\$5,000.00	\$5,000.00
614E11000	MAINTAINING TRAFFIC	1	LS	\$5,000.00	\$5,000.00
	<b>Subtotal</b>				<b>\$10,000.00</b>
	<b>TOTAL</b>				<b>\$337,894.25</b>
	CONTINGENCY (20%)				\$67,578.85
	GENERAL CONDITIONS (4%)				\$16,218.92
	BONDS AND INSURANCES (2.5%)				\$10,136.83
	MOBILIZATION AND DEMOBILIZATION (1%)				\$4,054.73
	ENGINEERING AND DOCUMENTS (18%)				\$72,985.16
	<b>GRAND TOTAL</b>				<b>\$508,868.74</b>

**Assumptions:**

- 1) See general assumptions
- 2) Trail width reduced to 8-foot minimum under I-77 to meet W&LE Railway's typical 15-foot offset



THREE CREEKS TRAIL - SCHOCALOG RUN CONNECTOR  
 CONCEPTUAL OPINION OF PROBABLE COSTS  
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**COST DETAIL 2-8: SCHOCALOG RD TO ABERTH DR**

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
	<b>Site Preparation/Demolition</b>				
201E11000	CLEARING AND GRUBBING	1.0	LUMP	\$5,000.00	\$5,000.00
SPECIAL	FENCE REMOVAL	20	LF	\$5.00	\$100.00
	Subtotal				\$5,100.00
	<b>Earthwork</b>				
203E10000	EXCAVATION & EMBANKMENT	721	CU YD	\$20.00	\$14,422.22
204E10000	SUBGRADE COMPACTION	5048	SQ YD	\$4.50	\$22,715.00
	Subtotal				\$37,137.22
	<b>Erosion Control</b>				
SPECIAL	SWPPP	1	LS	\$5,000.00	\$5,000.00
	Subtotal				\$5,000.00
	<b>PAVEMENT &amp; UTILITIES</b>				
304E20000	6" AGGREGATE BASE	661	CU YD	\$68.00	\$44,949.26
448E46020	1.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, PG64-22	150	CU YD	\$120.00	\$18,027.78
407E10000	TACK COAT	2434	GAL	\$2.50	\$6,084.38
448E46904	1.5 " ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG70-22M	150	CU YD	\$150.00	\$22,534.72
608E52000	CURB RAMP	432	SQ F	\$17.00	\$7,344.00
SPECIAL	BOLLARD	6	EA	\$800.00	\$4,800.00
SPECIAL	REMOVEABLE BOLLARD	3	EA	\$1,200.00	\$3,600.00
	Subtotal				\$107,340.13
	<b>At Grade Crossings, Road Markings and Incidentals</b>				
642E00590	CROSSWALK LINE	50	FT	\$2.00	\$100.00
SPECIAL	SIGNAGE (STOP, DO NOT ENTER, BIKE, PARKING WITH U-LINE POLE)	2	EA	\$150.00	\$300.00
SPECIAL	TRAIL SIGNAGE	3245	LF	\$1.50	\$4,867.50
	Subtotal				\$5,267.50
	<b>Landscape</b>				
659E10000	SEEDING AND MULCHING	2163	SQ Y	\$3.00	\$6,490.00
659E00300	TOPSOIL	238	CU YD	\$40.00	\$9,518.67
659	LANDSCAPE ALLOWANCE	1	LS	\$10,000.00	\$10,000.00
659	BIORETENTION	1800	SF	\$16.00	\$28,800.00
	Subtotal				\$54,808.67
	<b>Construction Survey &amp; Layout</b>				
SPECIAL	SURVEY AND LAYOUT	1	LS	\$5,000.00	\$5,000.00
614E11000	MAINTAINING TRAFFIC	1	LS	\$5,000.00	\$5,000.00
	Subtotal				\$10,000.00
	<b>TOTAL</b>				\$224,653.52
	CONTINGENCY (20%)				\$44,930.70
	GENERAL CONDITIONS (4%)				\$10,783.37
	BONDS AND INSURANCES (2.5%)				\$6,739.61
	MOBILIZATION AND DEMOBILIZATION (1%)				\$2,695.84
	ENGINEERING AND DOCUMENTS (18%)				\$48,525.16
	<b>GRAND TOTAL</b>				\$338,328.21

**Assumptions:**

- 1) See general assumptions



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**COST DETAIL 3-1: 8TH STREET TO 14TH STREET**

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
<b>Site Preparation/Demolition</b>					
201E11000	CLEARING AND GRUBBING	1.0	LUMP	\$5,000.00	\$5,000.00
202E23500	WEARING COURSE REMOVED	860	SY	\$5.00	\$4,300.00
202E30000	CONCRETE WALK OR APRON REMOVED	7725	SQ F	\$2.50	\$19,312.50
202E32000	CURB REMOVED	1545	LF	\$10.00	\$15,450.00
SPECIAL	CATCH BASIN REMOVED	5	EA	\$500.00	\$2,500.00
SPECIAL	CROSSWALK PAVEMENT REMOVED	300	SQ F	\$5.00	\$1,500.00
Subtotal					\$48,062.50
<b>Earthwork</b>					
203E10000	EXCAVATION & EMBANKMENT	343	CU YD	\$30.00	\$10,300.00
204E10000	SUBGRADE COMPACTION	2403	SQ YD	\$4.50	\$10,815.00
Subtotal					\$21,115.00
<b>Erosion Control</b>					
SPECIAL	SWPPP	1	LS	\$5,000.00	\$5,000.00
Subtotal					\$5,000.00
<b>PAVEMENT &amp; UTILITIES</b>					
608E10000	CONCRETE SIDEPATH	15450	SQ F	\$5.00	\$77,250.00
SPECIAL	DECORATIVE CONCRETE SIDEPATH BANDING	7725	SQ F	\$8.00	\$61,800.00
SPECIAL	CONCRETE DRIVEWAY APRON	1720	SQ F	\$7.00	\$12,040.00
609E14000	CURB, TYPE 2A	1545	LF	\$40.00	\$61,800.00
608E52000	CURB RAMP	288	SQ F	\$17.00	\$4,896.00
604E04500	CATCH BASIN, NO. 2-2B	5	EA	\$1,500.00	\$7,500.00
611E04400	12" CONDUIT, TYPE B	25	LF	\$60.00	\$1,500.00
SPECIAL	RAILROAD RUBBER CROSSING	1	EA	\$15,000.00	\$15,000.00
SPECIAL	UTILITY POLE RELOCATION	13	EA	\$7,500.00	\$97,500.00
SPECIAL	RAILROAD CROSSING FLASHING LIGHT RELOCATION	1	EA	\$8,000.00	\$8,000.00
SPECIAL	KIOSK	1	EA	\$7,500.00	\$7,500.00
Subtotal					\$354,786.00
<b>At Grade Crossings, Road Markings and Incidentals</b>					
642E00490	STOP LINE	15	FT	\$3.00	\$45.00
642E00590	CROSSWALK DECORATIVE CONCRETE	300	SQ F	\$8.00	\$2,400.00
SPECIAL	SIGNAGE (STOP, DO NOT ENTER, BIKE, PARKING WITH U-LINE POLE)	2	EA	\$150.00	\$300.00
SPECIAL	TRAIL SIGNAGE	1545	LF	\$1.50	\$2,317.50
SPECIAL	WOOSTER ROAD STRIPING	1	LS	\$10,000.00	\$10,000.00
Subtotal					\$15,062.50
<b>Landscape</b>					
659E10000	SEEDING AND MULCHING	1030	SQ Y	\$3.00	\$3,090.00
659E00300	TOPSOIL	113	CU YD	\$40.00	\$4,532.00
659	TREE REPLACEMENT/ADDITION	12	EA	\$250.00	\$3,000.00
659	LANDSCAPE ALLOWANCE	1	LS	\$15,000.00	\$15,000.00
659	BIORETENTION	900	SF	\$16.00	\$14,400.00
Subtotal					\$40,022.00
<b>Construction Survey &amp; Layout</b>					
SPECIAL	SURVEY AND LAYOUT	1	LS	\$5,000.00	\$5,000.00
614E11000	MAINTAINING TRAFFIC	1	LS	\$15,000.00	\$15,000.00
Subtotal					\$20,000.00
<b>TOTAL</b>					<b>\$504,048.00</b>
CONTINGENCY (20%)					\$100,809.60
GENERAL CONDITIONS (4%)					\$24,194.30
BONDS AND INSURANCES (2.5%)					\$15,121.44
MOBILIZATION AND DEMOBILIZATION (1%)					\$6,048.58
ENGINEERING AND DOCUMENTS (18%)					\$108,874.37
<b>GRAND TOTAL</b>					<b>\$759,096.29</b>

**Assumptions:**

- 1) See general assumptions
- 2) Possible design exception needed for sidepath



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**COST DETAIL 3-2: 14TH STREET TO 25TH STREET**

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
<b>Site Preparation/Demolition</b>					
201E11000	CLEARING AND GRUBBING	1.0	LUMP	\$5,000.00	\$5,000.00
202E23500	WEARING COURSE REMOVED	1800	SY	\$5.00	\$9,000.00
202E23500	CROSSWALK ASPHALT REMOVED	2550	SQ F	\$5.00	\$12,750.00
202E30000	CONCRETE WALK OR APRON REMOVED	16175	SQ F	\$2.50	\$40,437.50
202E32000	CURB REMOVED	3235	LF	\$10.00	\$32,350.00
SPECIAL	SIGN RELOCATION	8	EA	\$150.00	\$1,200.00
SPECIAL	CATCH BASIN RMOVED	11	EA	\$500.00	\$5,500.00
	<b>Subtotal</b>				<b>\$106,237.50</b>
<b>Earthwork</b>					
203E10000	EXCAVATION & EMBANKMENT	719	CU YD	\$30.00	\$21,566.67
204E10000	SUBGRADE COMPACTION	5032	SQ YD	\$4.50	\$22,645.00
	<b>Subtotal</b>				<b>\$44,211.67</b>
<b>Erosion Control</b>					
SPECIAL	SWPPP	1	LS	\$10,000.00	\$10,000.00
	<b>Subtotal</b>				<b>\$10,000.00</b>
<b>PAVEMENT &amp; UTILITIES</b>					
608E10000	CONCRETE SIDEPATH	32350	SQ F	\$5.00	\$161,750.00
SPECIAL	DECORATIVE CONCRETE SIDEPATH BANDING	16175	SQ F	\$8.00	\$129,400.00
SPECIAL	CONCRETE DRIVEWAY APRON	5550	SQ F	\$7.00	\$38,850.00
609E14000	CURB, TYPE 2A	3235	LF	\$40.00	\$129,400.00
608E52000	CURB RAMP	3024	SQ F	\$17.00	\$51,408.00
604E04500	CATCH BASIN, NO. 2-2B	11	EA	\$1,500.00	\$16,500.00
611E04400	12" CONDUIT, TYPE B	55	LF	\$60.00	\$3,300.00
SPECIAL	UTILITY POLE RELOCATION	29	EA	\$7,500.00	\$217,500.00
SPECIAL	LIGHT POLE RELOCATION	2	EA	\$2,000.00	\$4,000.00
	<b>Subtotal</b>				<b>\$752,108.00</b>
<b>At Grade Crossings, Road Markings and Incidentals</b>					
642E00490	STOP LINE	145	FT	\$3.00	\$435.00
642E00590	CROSSWALK LINE	60	FT	\$2.00	\$120.00
642E00590	CROSSWALK DECORATIVE CONCRETE	2550	SQ F	\$8.00	\$20,400.00
SPECIAL	SIGNAGE (STOP, DO NOT ENTER, BIKE, PARKING WITH U-LINE POLE)	20	EA	\$150.00	\$3,000.00
SPECIAL	TRAIL SIGNAGE	3235	LF	\$1.50	\$4,852.50
SPECIAL	WOOSTER ROAD STRIPING	1	LS	\$20,000.00	\$20,000.00
	<b>Subtotal</b>				<b>\$48,807.50</b>
<b>Landscape</b>					
659E10000	SEEDING AND MULCHING	2157	SQ Y	\$3.00	\$6,470.00
659E00300	TOPSOIL	237	CU YD	\$40.00	\$9,489.33
659	LANDSCAPE ALLOWANCE	1	LS	\$30,000.00	\$30,000.00
659	BIORETENTION	1800	SF	\$16.00	\$28,800.00
	<b>Subtotal</b>				<b>\$74,759.33</b>
<b>Construction Survey &amp; Layout</b>					
SPECIAL	SURVEY AND LAYOUT	1	LS	\$5,000.00	\$5,000.00
614E11000	MAINTAINING TRAFFIC	1	LS	\$25,000.00	\$25,000.00
	<b>Subtotal</b>				<b>\$30,000.00</b>
<b>TOTAL</b>					
					<b>\$1,066,124.00</b>
	CONTINGENCY (20%)				\$213,224.80
	GENERAL CONDITIONS (4%)				\$51,173.95
	BONDS AND INSURANCES (2.5%)				\$31,983.72
	MOBILIZATION AND DEMOBILIZATION (1%)				\$12,793.49
	ENGINEERING AND DOCUMENTS (18%)				\$230,282.78
	<b>GRAND TOTAL</b>				<b>\$1,605,582.74</b>

**Assumptions:**

- 1) See general assumptions
- 2) Possible design exception needed for sidepath



THREE CREEKS TRAIL - SILVER CREEK SEGMENT  
 CONCEPTUAL OPINION OF PROBABLE COSTS  
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**COST DETAIL 3-3: 25TH STREET TO 31ST**

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
	<b>Site Preparation/Demolition</b>				
201E11000	CLEARING AND GRUBBING	1.0	LUMP	\$5,000.00	\$5,000.00
202E30000	CONCRETE WALK OR APRON REMOVED	2250	SQ F	\$2.50	\$5,625.00
	<b>Subtotal</b>				<b>\$10,625.00</b>
	<b>Earthwork</b>				
203E10000	EXCAVATION & EMBANKMENT	950	CU YD	\$20.00	\$19,000.00
204E10000	SUBGRADE COMPACTION	3204	SQ YD	\$4.50	\$14,420.00
	<b>Subtotal</b>				<b>\$33,420.00</b>
	<b>Erosion Control</b>				
SPECIAL	SWPPP	1	LS	\$5,000.00	\$5,000.00
	<b>Subtotal</b>				<b>\$5,000.00</b>
	<b>PAVEMENT &amp; UTILITIES</b>				
304E20000	6" AGGREGATE BASE	420	CU YD	\$68.00	\$28,534.81
448E46020	1.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, PG64-22	95	CU YD	\$120.00	\$11,444.44
407E10000	TACK COAT	1545	GAL	\$2.50	\$3,862.50
448E46904	1.5 " ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG70-22M	95	CU YD	\$150.00	\$14,305.56
SPECIAL	CONCRETE DRIVEWAY APRON	300	SQ F	\$7.00	\$2,100.00
608E52000	CURB RAMP	864	SQ F	\$17.00	\$14,688.00
SPECIAL	BOLLARD	2	EA	\$800.00	\$1,600.00
SPECIAL	REMOVEABLE BOLLARD	1	EA	\$1,200.00	\$1,200.00
SPECIAL	KIOSK	1	EA	\$7,500.00	\$7,500.00
SPECIAL	EXISTING CONCRETE BRIDGE RECONDITONING	50	LF	\$1,400.00	\$70,000.00
	<b>Subtotal</b>				<b>\$155,235.31</b>
	<b>At Grade Crossings, Road Markings and Incidentals</b>				
642E00490	STOP LINE	60	FT	\$3.00	\$180.00
642E00590	CROSSWALK LINE	120	FT	\$2.00	\$240.00
SPECIAL	SIGNAGE (STOP, DO NOT ENTER, BIKE, PARKING WITH U-LINE POLE)	4	EA	\$150.00	\$600.00
SPECIAL	TRAIL SIGNAGE	2110	LF	\$1.50	\$3,165.00
	<b>Subtotal</b>				<b>\$4,185.00</b>
	<b>Landscape</b>				
659E10000	SEEDING AND MULCHING	1373	SQ Y	\$3.00	\$4,120.00
659E00300	TOPSOIL	151	CU YD	\$40.00	\$6,042.67
659	TREE REPLACEMENT/ADDITION	24	EA	\$250.00	\$6,000.00
659	LANDSCAPE ALLOWANCE	1	LS	\$10,000.00	\$10,000.00
659	BIORETENTION	1250	SF	\$16.00	\$20,000.00
	<b>Subtotal</b>				<b>\$46,162.67</b>
	<b>Construction Survey &amp; Layout</b>				
SPECIAL	SURVEY AND LAYOUT	1	LS	\$5,000.00	\$5,000.00
614E11000	MAINTAINING TRAFFIC	1	LS	\$5,000.00	\$5,000.00
	<b>Subtotal</b>				<b>\$10,000.00</b>
	<b>TOTAL</b>				<b>\$264,627.98</b>
	CONTINGENCY (20%)				\$52,925.60
	GENERAL CONDITIONS (4%)				\$12,702.14
	BONDS AND INSURANCES (2.5%)				\$7,938.84
	MOBILIZATION AND DEMOBILIZATION (1%)				\$3,175.54
	ENGINEERING AND DOCUMENTS (18%)				\$57,159.64
	<b>GRAND TOTAL</b>				<b>\$398,529.74</b>

**Assumptions:**

- 1) See general assumptions
- 2) Existing railroad bridge can be reused/repurposed



THREE CREEKS TRAIL - SILVER CREEK SEGMENT  
 CONCEPTUAL OPINION OF PROBABLE COSTS  
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**COST DETAIL 3-4: 31ST STREET TO HAMETOWN RD**

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
	<b>Site Preparation/Demolition</b>				
201E11000	CLEARING AND GRUBBING	1.0	LUMP	\$7,500.00	\$7,500.00
	Subtotal				\$7,500.00
	<b>Earthwork</b>				
203E10000	EXCAVATION & EMBANKMENT	2650	CU YD	\$20.00	\$53,000.00
204E10000	SUBGRADE COMPACTION	12973	SQ YD	\$4.50	\$58,380.00
	Subtotal				\$111,380.00
	<b>Erosion Control</b>				
SPECIAL	SWPPP	1	LS	\$7,500.00	\$7,500.00
	Subtotal				\$7,500.00
	<b>PAVEMENT &amp; UTILITIES</b>				
304E20000	6" AGGREGATE BASE	1699	CU YD	\$68.00	\$115,524.44
448E46020	1.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, PG64-22	386	CU YD	\$120.00	\$46,333.33
407E10000	TACK COAT	6255	GAL	\$2.50	\$15,637.50
448E46904	1.5 " ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG70-22M	386	CU YD	\$150.00	\$57,916.67
SPECIAL	CONCRETE DRIVEWAY APRON	1200	SQ F	\$7.00	\$8,400.00
609E14000	CURB, TYPE 2A	400	LF	\$40.00	\$16,000.00
608E52000	CURB RAMP	432	SQ F	\$17.00	\$7,344.00
603E10400	24" CONDUIT, TYPE B	400	LF	\$100.00	\$40,000.00
SPECIAL	BOLLARD	6	EA	\$800.00	\$4,800.00
SPECIAL	REMOVEABLE BOLLARD	3	EA	\$1,200.00	\$3,600.00
SPECIAL	TIMBER RAIL	360	LF	\$50.00	\$18,000.00
SPECIAL	FLASHING SIGNAL	1	EA	\$20,000.00	\$20,000.00
SPECIAL	BRIDGE (ROCK CUT)	160	LF	\$2,400.00	\$384,000.00
SPECIAL	BRIDGE ABUTMENTS - REPAIRED (ROCK CUT)	2	EA	\$10,000.00	\$20,000.00
SPECIAL	BRIDGE (CATTLE CROSSING)	14	LF	\$1,200.00	\$16,800.00
SPECIAL	BRIDGE ABUTMENTS - REPAIRED (CATTLE CROSSING)	2	EA	\$5,000.00	\$10,000.00
	Subtotal				\$784,355.94
	<b>At Grade Crossings, Road Markings and Incidentals</b>				
642E00590	CROSSWALK LINE	50	FT	\$2.00	\$100.00
SPECIAL	SIGNAGE (STOP, DO NOT ENTER, BIKE, PARKING WITH U-LINE POLE)	2	EA	\$150.00	\$300.00
SPECIAL	TRAIL SIGNAGE	8515	LF	\$1.50	\$12,772.50
	Subtotal				\$13,172.50
	<b>Landscape</b>				
659E10000	SEEDING AND MULCHING	5560	SQ Y	\$3.00	\$16,680.00
659E00300	TOPSOIL	612	CU YD	\$40.00	\$24,464.00
659	LANDSCAPE ALLOWANCE	1	LS	\$10,000.00	\$10,000.00
659	BIORETENTION	5000	SF	\$16.00	\$80,000.00
	Subtotal				\$131,144.00
	<b>Construction Survey &amp; Layout</b>				
SPECIAL	SURVEY AND LAYOUT	1	LS	\$10,000.00	\$10,000.00
614E11000	MAINTAINING TRAFFIC	1	LS	\$5,000.00	\$5,000.00
	Subtotal				\$15,000.00
	<b>TOTAL</b>				\$1,070,052.44
	CONTINGENCY (20%)				\$214,010.49
	GENERAL CONDITIONS (4%)				\$51,362.52
	BONDS AND INSURANCES (2.5%)				\$32,101.57
	MOBILIZATION AND DEMOBILIZATION (1%)				\$12,840.63
	ENGINEERING AND DOCUMENTS (18%)				\$231,131.33
	<b>GRAND TOTAL</b>				\$1,611,498.98

**Assumptions:**

- 1) See general assumptions
- 2) Existing interurban abutments can be reused/repurposed



THREE CREEKS TRAIL - NORTON CONNECTOR  
 CONCEPTUAL OPINION OF PROBABLE COSTS  
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**COST DETAIL 3-5: SUBSTATION TO ROOP AVENUE**

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
	<b>Site Preparation/Demolition</b>				
201E11000	CLEARING AND GRUBBING	1.0	LUMP	\$5,000.00	\$5,000.00
	Subtotal				\$5,000.00
	<b>Earthwork</b>				
203E10000	EXCAVATION & EMBANKMENT	778	CU YD	\$20.00	\$15,555.56
204E10000	SUBGRADE COMPACTION	5444	SQ YD	\$4.50	\$24,500.00
	Subtotal				\$40,055.56
	<b>Erosion Control</b>				
SPECIAL	SWPPP	1	LS	\$5,000.00	\$5,000.00
	Subtotal				\$5,000.00
	<b>PAVEMENT &amp; UTILITIES</b>				
304E20000	6" AGGREGATE BASE	713	CU YD	\$68.00	\$48,481.48
448E46020	1.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, PG64-22	162	CU YD	\$120.00	\$19,444.44
407E10000	TACK COAT	2625	GAL	\$2.50	\$6,562.50
448E46904	1.5 " ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG70-22M	162	CU YD	\$150.00	\$24,305.56
608E52000	CURB RAMP	288	SQ F	\$17.00	\$4,896.00
SPECIAL	BOLLARD	4	EA	\$800.00	\$3,200.00
SPECIAL	REMOVEABLE BOLLARD	2	EA	\$1,200.00	\$2,400.00
	Subtotal				\$109,289.98
	<b>At Grade Crossings, Road Markings and Incidentals</b>				
SPECIAL	TRAIL SIGNAGE	3500	LF	\$1.50	\$5,250.00
	Subtotal				\$5,250.00
	<b>Landscape</b>				
659E10000	SEEDING AND MULCHING	2333	SQ Y	\$3.00	\$7,000.00
659E00300	TOPSOIL	257	CU YD	\$40.00	\$10,266.67
659	LANDSCAPE ALLOWANCE	1	LS	\$5,000.00	\$5,000.00
659	BIORETENTION	2000	SF	\$16.00	\$32,000.00
	Subtotal				\$54,266.67
	<b>Construction Survey &amp; Layout</b>				
SPECIAL	SURVEY AND LAYOUT	1	LS	\$5,000.00	\$5,000.00
614E11000	MAINTAINING TRAFFIC	1	LS	\$5,000.00	\$5,000.00
	Subtotal				\$10,000.00
	<b>TOTAL</b>				<b>\$228,862.20</b>
	CONTINGENCY (20%)				\$45,772.44
	GENERAL CONDITIONS (4%)				\$10,985.39
	BONDS AND INSURANCES (2.5%)				\$6,865.87
	MOBILIZATION AND DEMOBILIZATION (1%)				\$2,746.35
	ENGINEERING AND DOCUMENTS (18%)				\$49,434.24
	<b>GRAND TOTAL</b>				<b>\$344,666.48</b>

**Assumptions:**

- 1) See general assumptions



THREE CREEKS TRAIL - SILVER CREEK SEGMENT  
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**COST DETAIL 3-6: HAMETOWN RD TO MEDINA LINE RD**

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
	<b>Site Preparation/Demolition</b>				
201E11000	CLEARING AND GRUBBING	1.0	LUMP	\$5,000.00	\$5,000.00
	Subtotal				\$5,000.00
	<b>Earthwork</b>				
203E10000	EXCAVATION & EMBANKMENT	1276	CU YD	\$20.00	\$25,511.11
204E10000	SUBGRADE COMPACTION	8929	SQ YD	\$4.50	\$40,180.00
	Subtotal				\$65,691.11
	<b>Erosion Control</b>				
SPECIAL	SWPPP	1	LS	\$5,000.00	\$5,000.00
	Subtotal				\$5,000.00
	<b>PAVEMENT &amp; UTILITIES</b>				
304E20000	6" AGGREGATE BASE	1169	CU YD	\$68.00	\$79,509.63
448E46020	1.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, PG64-22	266	CU YD	\$120.00	\$31,888.89
407E10000	TACK COAT	4305	GAL	\$2.50	\$10,762.50
448E46904	1.5 " ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG70-22M	266	CU YD	\$150.00	\$39,861.11
608E52000	CURB RAMP	288	SQ F	\$17.00	\$4,896.00
SPECIAL	BOLLARD	4	EA	\$800.00	\$3,200.00
SPECIAL	REMOVEABLE BOLLARD	2	EA	\$1,200.00	\$2,400.00
SPECIAL	TIMBER RAIL	120	LF	\$50.00	\$6,000.00
SPECIAL	BRIDGE	60	LF	\$1,600.00	\$96,000.00
SPECIAL	BRIDGE ABUTMENTS	2	EA	\$25,000.00	\$50,000.00
	Subtotal				\$324,518.13
	<b>At Grade Crossings, Road Markings and Incidentals</b>				
642E00590	CROSSWALK LINE	50	FT	\$2.00	\$100.00
SPECIAL	SIGNAGE (STOP, DO NOT ENTER, BIKE, PARKING WITH U-LINE POLE)	2	EA	\$150.00	\$300.00
SPECIAL	TRAIL SIGNAGE	5800	LF	\$1.50	\$8,700.00
	Subtotal				\$9,100.00
	<b>Landscape</b>				
659E10000	SEEDING AND MULCHING	3827	SQ Y	\$3.00	\$11,480.00
659E00300	TOPSOIL	421	CU YD	\$40.00	\$16,837.33
659	LANDSCAPE ALLOWANCE	1	LS	\$25,000.00	\$25,000.00
659	BIORETENTION	3200	SF	\$16.00	\$51,200.00
	Subtotal				\$104,517.33
	<b>Construction Survey &amp; Layout</b>				
SPECIAL	SURVEY AND LAYOUT	1	LS	\$5,000.00	\$5,000.00
614E11000	MAINTAINING TRAFFIC	1	LS	\$5,000.00	\$5,000.00
	Subtotal				\$10,000.00
	<b>TOTAL</b>				\$523,826.57
	CONTINGENCY (20%)				\$104,765.31
	GENERAL CONDITIONS (4%)				\$25,143.68
	BONDS AND INSURANCES (2.5%)				\$15,714.80
	MOBILIZATION AND DEMOBILIZATION (1%)				\$6,285.92
	ENGINEERING AND DOCUMENTS (18%)				\$113,146.54
	<b>GRAND TOTAL</b>				\$788,882.82

**Assumptions:**

- 1) See general assumptions