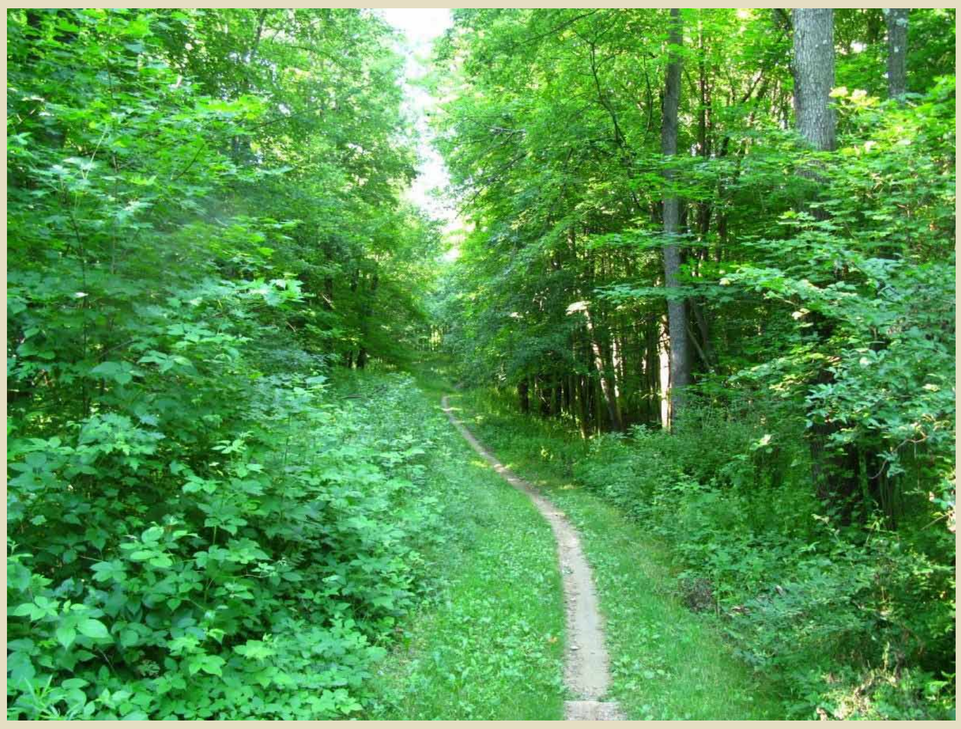
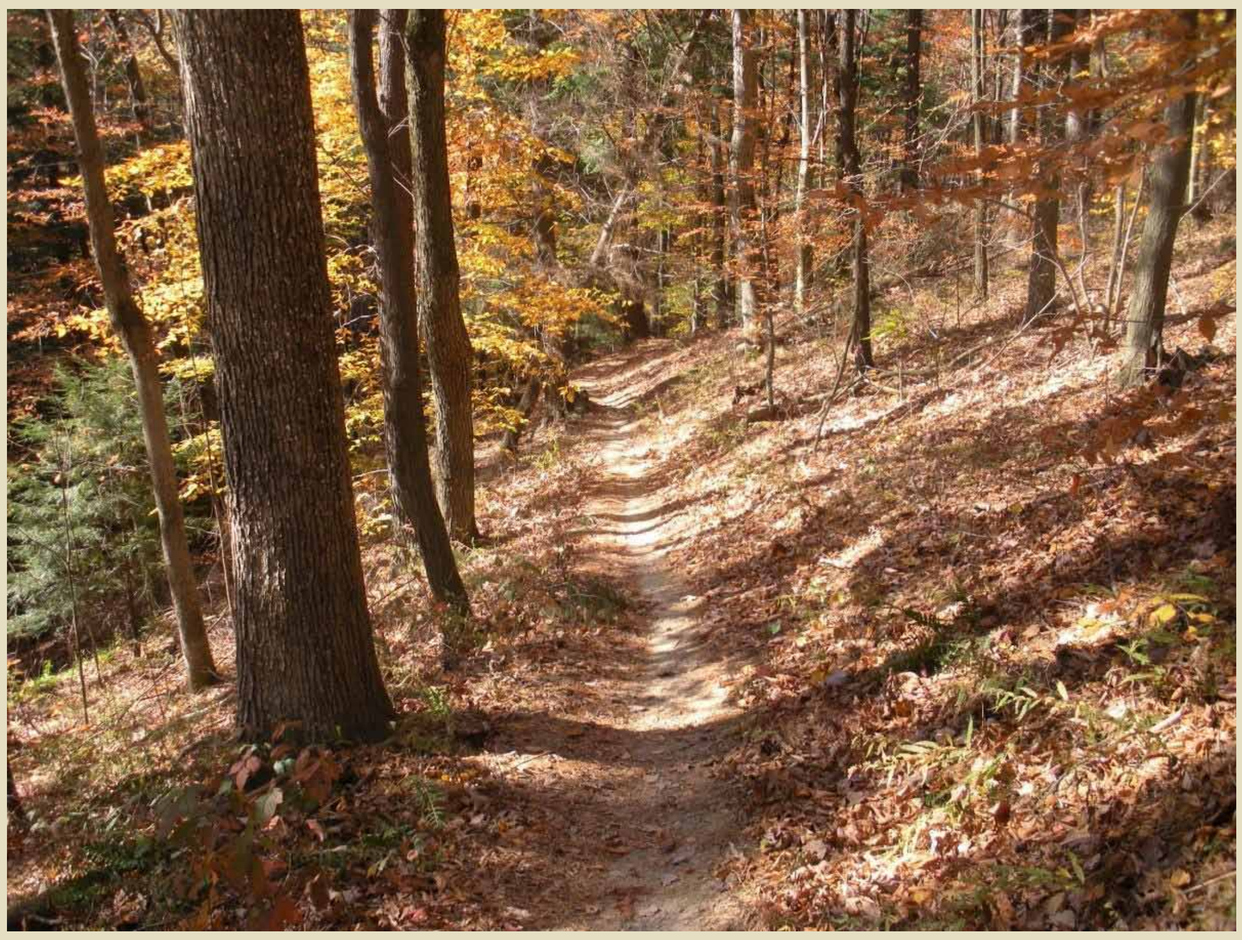
SINGLE TRACK TRAIL EXAMPLES





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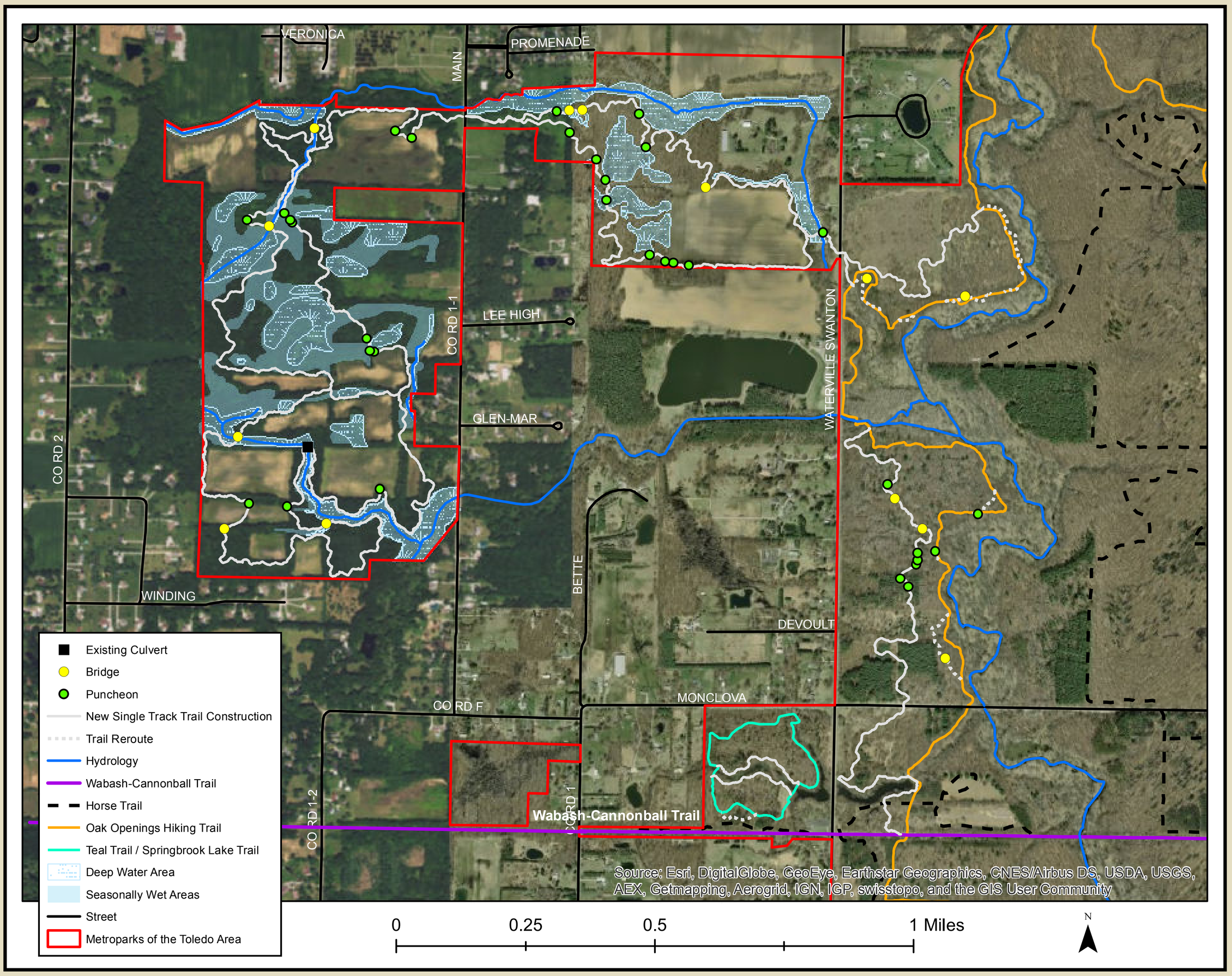
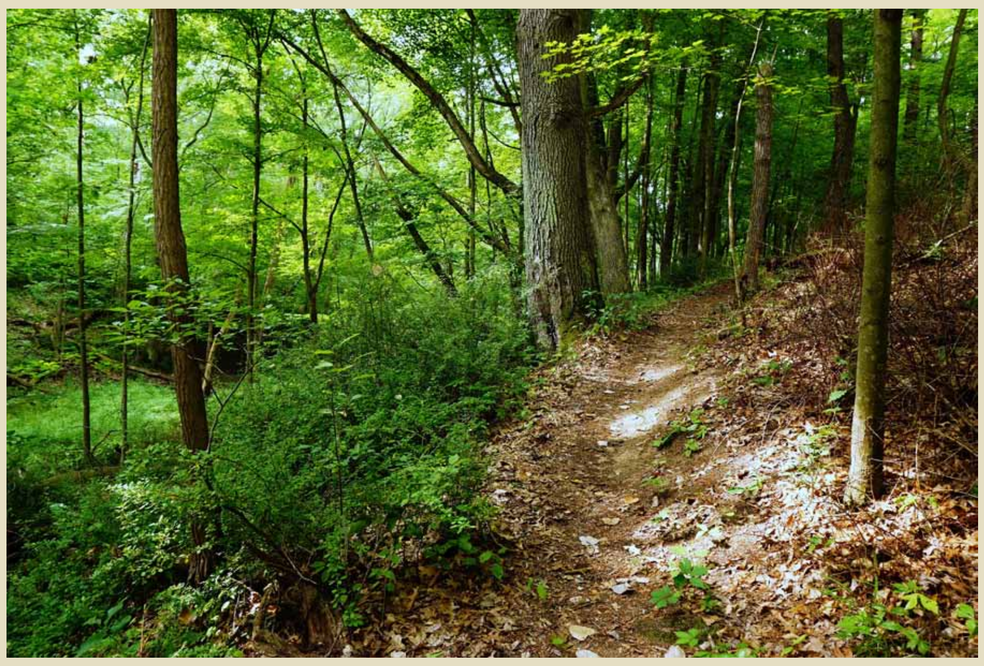
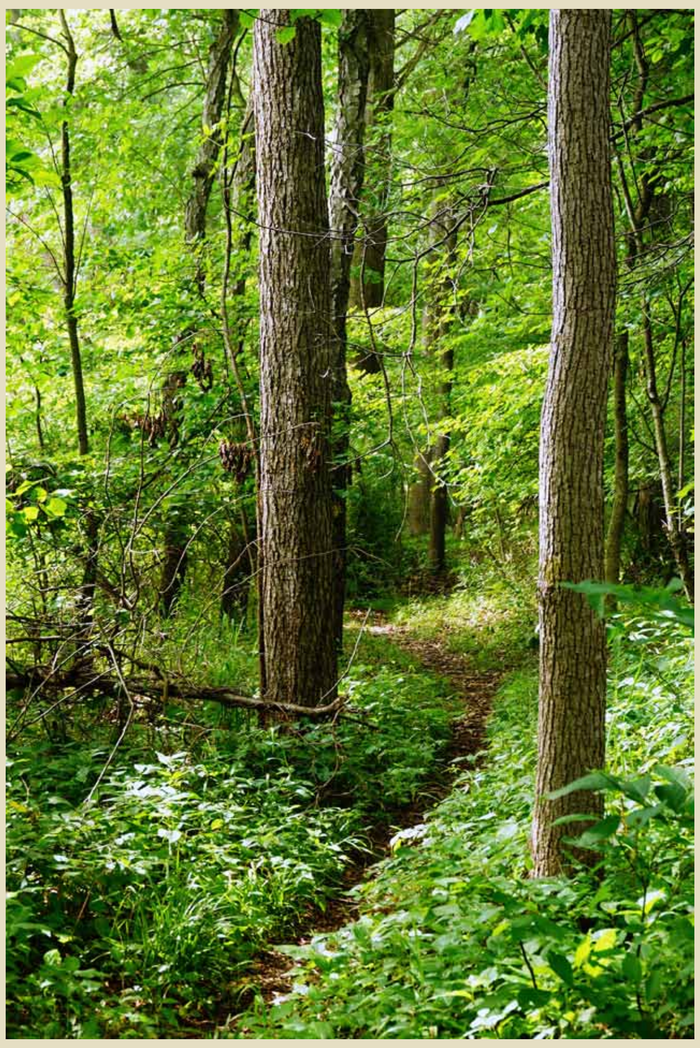
OAK OPENINGS SINGLE TRACK TRAIL







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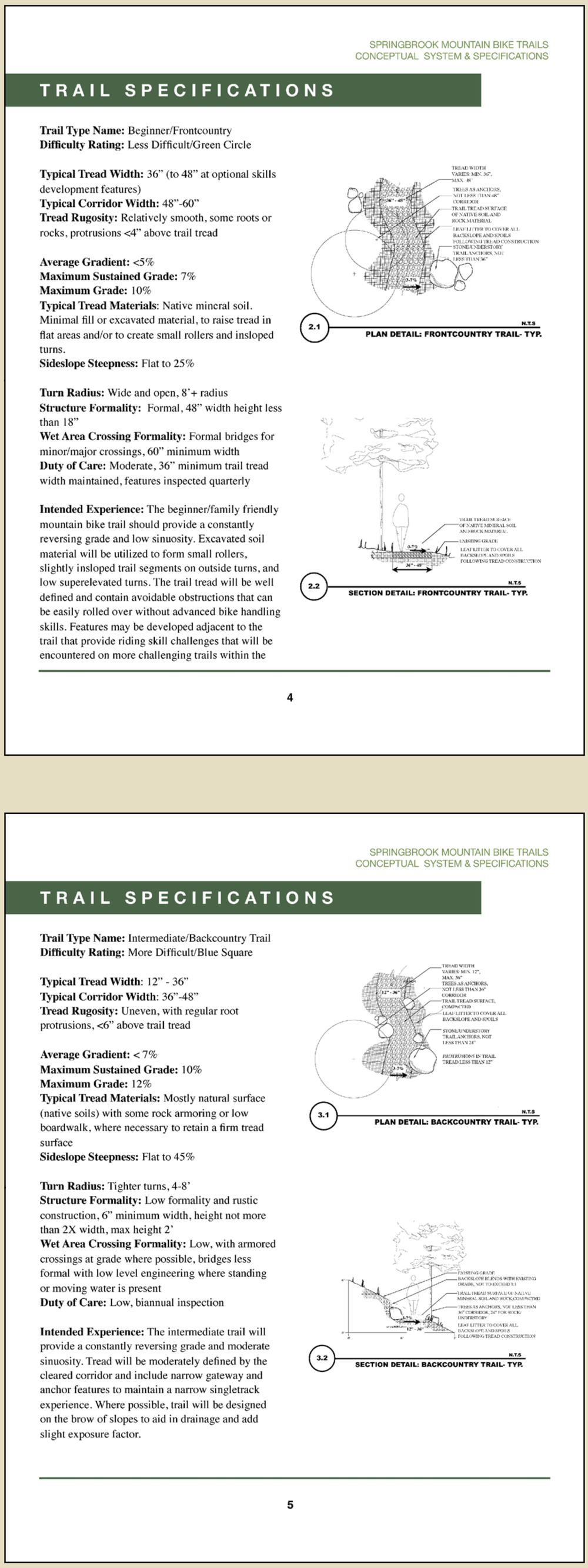
PROJECT GIVENS

- The trail will be designed and constructed as a singetrack bike trail system capable of shared use with runners, walkers and hikers.
- The trail system will not be designed to accommodate competitive races and for safety reasons, dogs and equestrian activity will not be allowed.
- This project will have minimal impact on existing Metropark users.
- Sustainable trail design will be utilized in order to ensure that the impact on the natural resource is minimal.
- Clear maintenance standards will be defined and used during the design process.
- The trail will offer experiences for all skill levels, with a focus on beginner-intermediate.
- This project will be completed using the 80-20 rule of land development.
- The pace of project implementation and overall design will be dictated by the development of a strong volunteer force.



TRAIL SPECIFICATIONS

Trail Type Name: Beginner/Frontcountry
Difficulty Rating: Less Difficult/Green Circle

Typical Tread Width: 36" (to 48" at optional skills development features)
Typical Corridor Width: 48"-60"
Tread Rugosity: Relatively smooth, some roots or rocks, protrusions <4" above trail tread

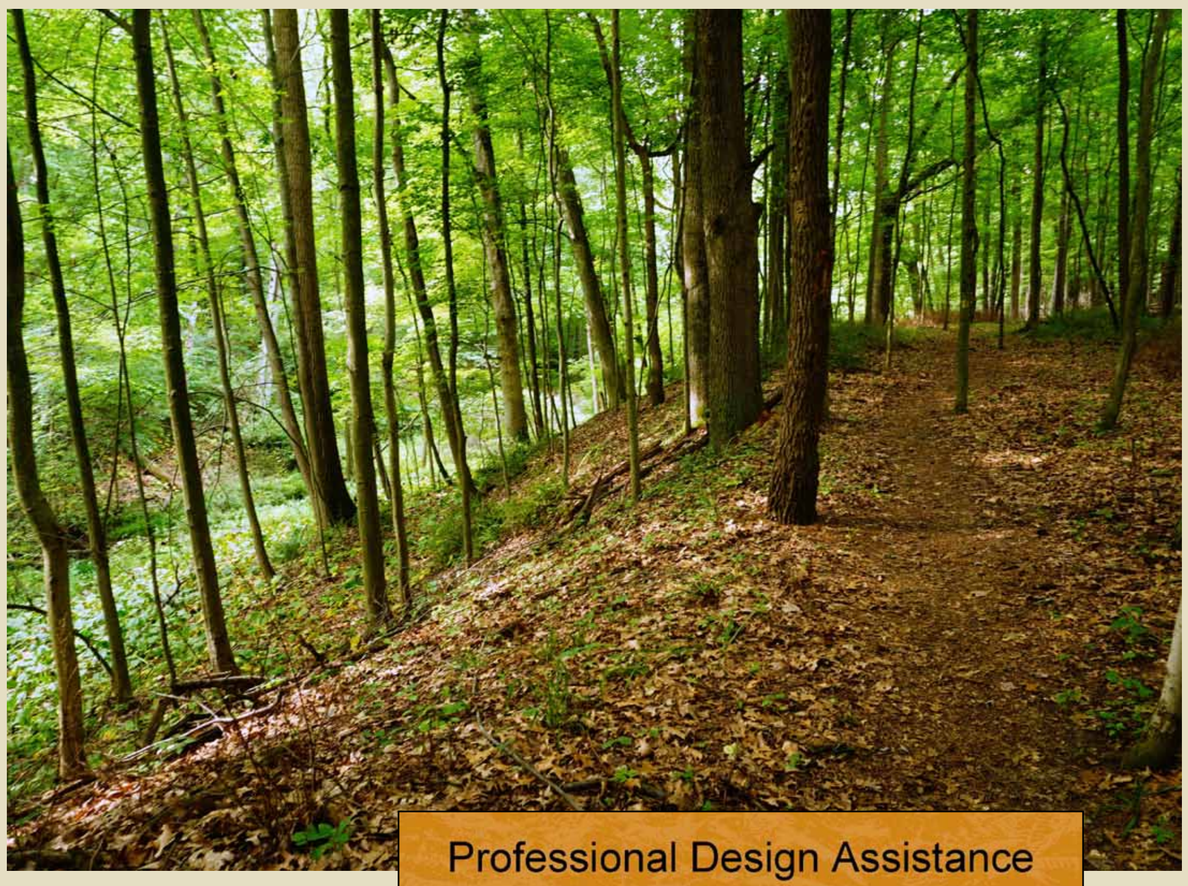
Average Gradient: <5%
Maximum Sustained Grade: 7%
Maximum Grade: 10%
Typical Tread Materials: Native mineral soil. Minimal fill or excavated material, to raise tread in flat areas and/or to create small rollers and insloped turns.
Sideslope Steepness: Flat to 25%

Turn Radius: Wide and open, 8'+ radius
Structure Formality: Formal, 48" width height less than 18"
Wet Area Crossing Formality: Formal bridges for minor/major crossings, 60" minimum width
Duty of Care: Moderate, 36" minimum trail tread width maintained, features inspected quarterly

Intended Experience: The beginner/family friendly mountain bike trail should provide a constantly reversing grade and low sinuosity. Excavated soil material will be utilized to form small rollers, slightly insloped trail segments on outside turns, and low superelevated turns. The trail tread will be well defined and contain avoidable obstructions that can be easily rolled over without advanced bike handling skills. Features may be developed adjacent to the trail that provide riding skill challenges that will be encountered on more challenging trails within the

2.1 N.T.S
PLAN DETAIL: FRONTCOUNTRY TRAIL- TYP.

2.2 N.T.S
SECTION DETAIL: FRONTCOUNTRY TRAIL- TYP.



Professional Design Assistance

SCOTT LINNENBURGER

Scott Linnenburger has more than 15 years of experience in recreation/trail development, conservation planning, and environmental restoration projects.

His successful project management of more than 100 trail projects in the federal, state, local, and private sectors, provided 150 educational seminars on trail development best practices, and led more than 20 national seminars on trail-based tourism, risk and conflict management, and trail development best practices.

Kay-Linn Enterprises is a member of the Professional Trailbuilders Association and Linnenburger currently holds a position on the Board of American Trails.

TRAIL SPECIFICATIONS

Trail Type Name: Intermediate/Backcountry Trail
Difficulty Rating: More Difficult/Blue Square

Typical Tread Width: 12" - 36"
Typical Corridor Width: 36"-48"
Tread Rugosity: Uneven, with regular root protrusions, <6" above trail tread

Average Gradient: < 7%
Maximum Sustained Grade: 10%
Maximum Grade: 12%
Typical Tread Materials: Mostly natural surface (native soils) with some rock armoring or low boardwalk, where necessary to retain a firm tread surface
Sideslope Steepness: Flat to 45%

Turn Radius: Tighter turns, 4-8'
Structure Formality: Low formality and rustic construction, 6" minimum width, height not more than 2X width, max height 2'
Wet Area Crossing Formality: Low, with armored crossings at grade where possible, bridges less formal with low level engineering where standing or moving water is present
Duty of Care: Low, biannual inspection

Intended Experience: The intermediate trail will provide a constantly reversing grade and moderate sinuosity. Tread will be moderately defined by the cleared corridor and include narrow gateway and anchor features to maintain a narrow singletrack experience. Where possible, trail will be designed on the brow of slopes to aid in drainage and add slight exposure factor.

3.1 N.T.S
PLAN DETAIL: BACKCOUNTRY TRAIL- TYP.

3.2 N.T.S
SECTION DETAIL: BACKCOUNTRY TRAIL- TYP.

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