

**Part
B**

Opportunities, Constraints, &
Preliminary Design



Map 1

Opportunities and Constraints Notes:

(1) The ridge in distance is in TDOT ROW and may be suitable for a greenway.

(2) A large tract of undeveloped land has gently sloping floodplain (Turkey Creek shown in background).

(3) Ridge in the background may be suitable for a greenway.

(4) Corridor Park Boulevard is flat and largely undeveloped on its northern side.

(5) Deerborn Lane has steeper slopes to the north, creating a barrier to a greenway.

(6) Recent grading and construction in this area constrain the potential for a greenway

(7) View from a bench that has the potential for a greenway.

(8) Poco Road is a small dead-end side street that could serve as access to a potential ridge-line greenway.

(9) View of existing US Cellular Soccer Complex Greenway.

(10) View of Lovell Road at potential crossing area.

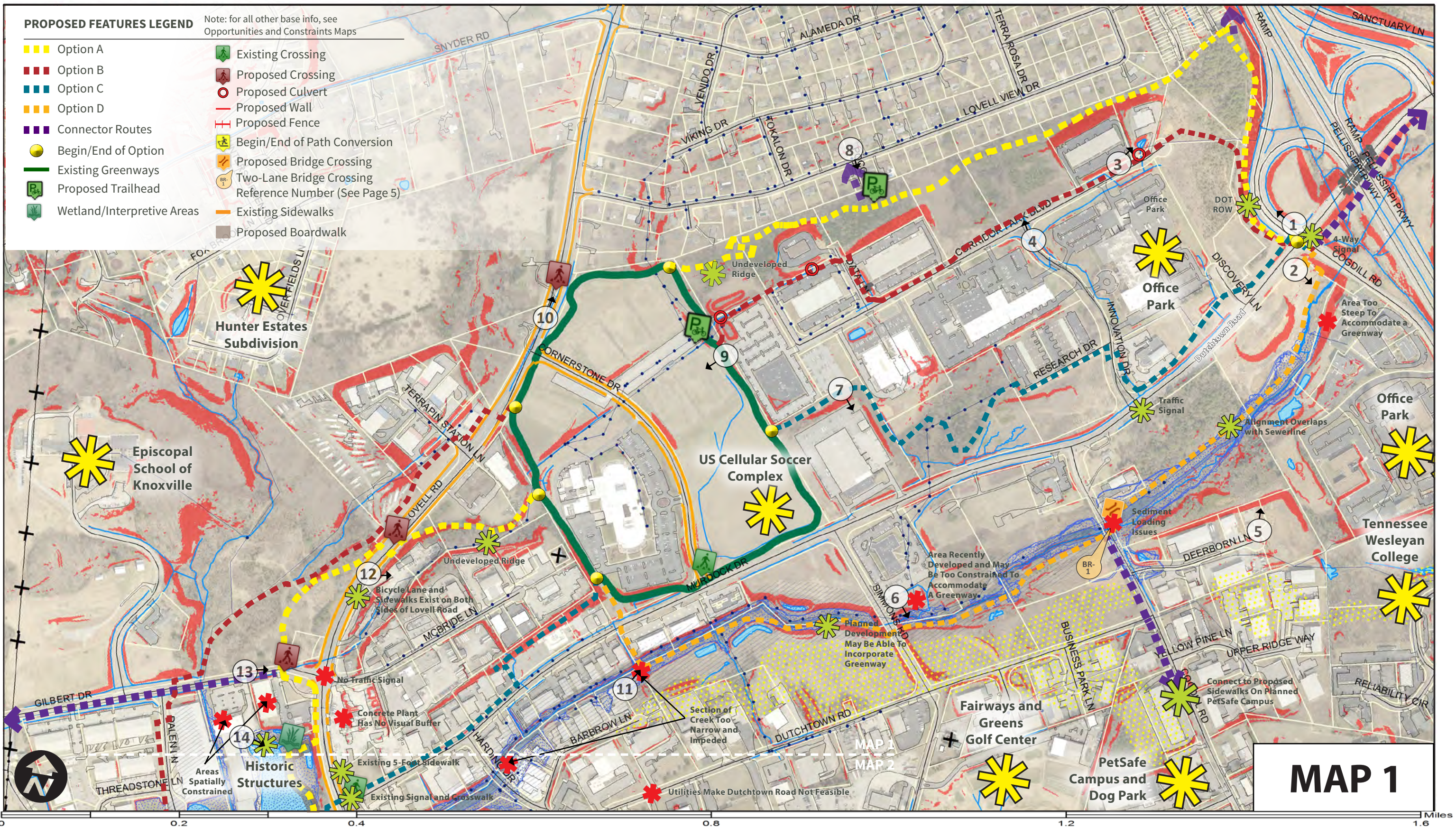
(11) Turkey Creek floodplain in this area is completely built out with fences, grading, and restricted access areas creating multiple barriers to greenway development.

(12) View of existing Lovell Road bicycle lane and sidewalk.

(13) View from Gilbert Drive of potential crossing area, which is 200 feet from Lovell Road.

(14) Historic structures at Blue Springs.





PROPOSED FEATURES LEGEND

Note: for all other base info, see Opportunities and Constraints Maps

- Option A
- Option B
- Option C
- Option D
- Connector Routes
- Begin/End of Option
- Existing Greenways
- Proposed Trailhead
- Wetland/Interpretive Areas
- Existing Crossing
- Proposed Crossing
- Proposed Culvert
- Proposed Wall
- Proposed Fence
- Begin/End of Path Conversion
- Proposed Bridge Crossing
- Two-Lane Bridge Crossing
- Reference Number (See Page 5)
- Existing Sidewalks
- Proposed Boardwalk

Turkey Creek Greenway Study

Opportunities, Constraints, and Preliminary Design

LEGEND

- Opportunity
- Destination
- Barrier
- Note (arrow indicated there is an associated photo and direction photo was taken from)

Transportation

- Sidewalks
- Jersey Barrier
- Railroad
- Shoulder
- Bridge

Greenways & Open Space

- Existing Parks & Schools
- Publicly Owned Land & Easements
- Existing Greenways & Trails

Natural Resources

- 100 Year Floodplain (FEMA)
- Hydric Soils (NW1 data does not appear in area)
- Floodway
- Streams and Rivers
- Waterways
- Limestone / Karst Soils
- Steep Slopes Above 30%

Utilities

- Major Transmission Lines
- Major Gas Pipeline
- Utility Towers
- West Knox Sewer Lines

Map 2

Opportunities and Constraints Notes:

(15) Routing through this area is a poor option as recently built structures and associated facilities would not accommodate a greenway.

(16) The edge of the floodplain and a series of 15- to 25-foot retaining walls create a very strong separation of Turkey Creek's natural areas and Lovell Road's commercial area.

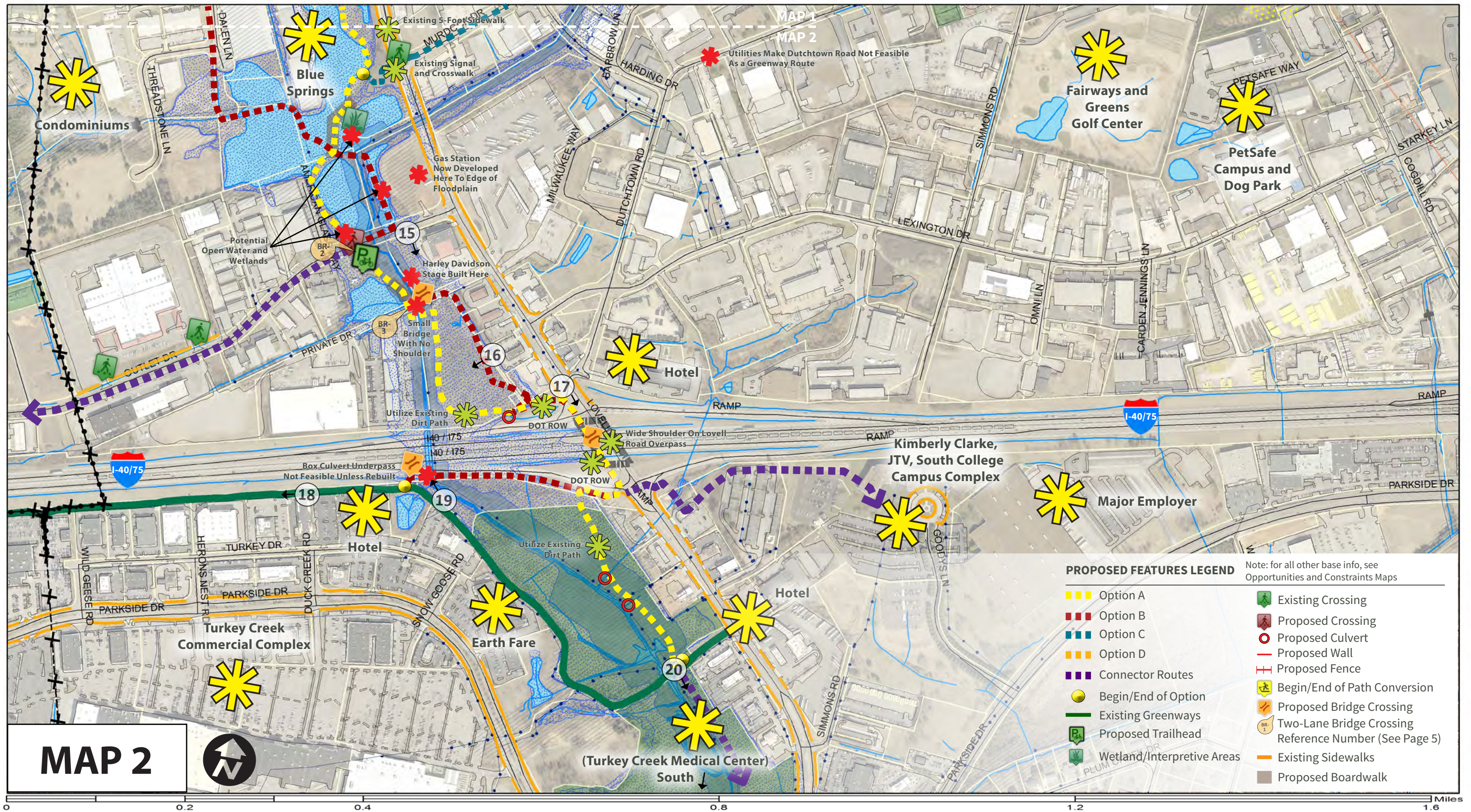
(17) The Lovell Road's bridge pedestrian crossing markings terminate at the bridge and may be perceived by users as an unsafe and unpleasant pedestrian experience.

(18) The existing Turkey Creek Greenway.

(19) The I-40/75 bridge over Turkey Creek is made up of three box culverts. The low clearance of the culverts makes this underpass unsuitable for the greenway. If the bridge is rebuilt, adding adequate clearance for the greenway should be considered.

(20) The area where further potential connections south could occur. The connector could continue to follow the Turkey Creek Floodplain, connecting to Turkey Creek Medical Center and the Costco trail further south.





MAP 2

Turkey Creek Greenway Study

Opportunities, Constraints, and Preliminary Design

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