

Appendix A

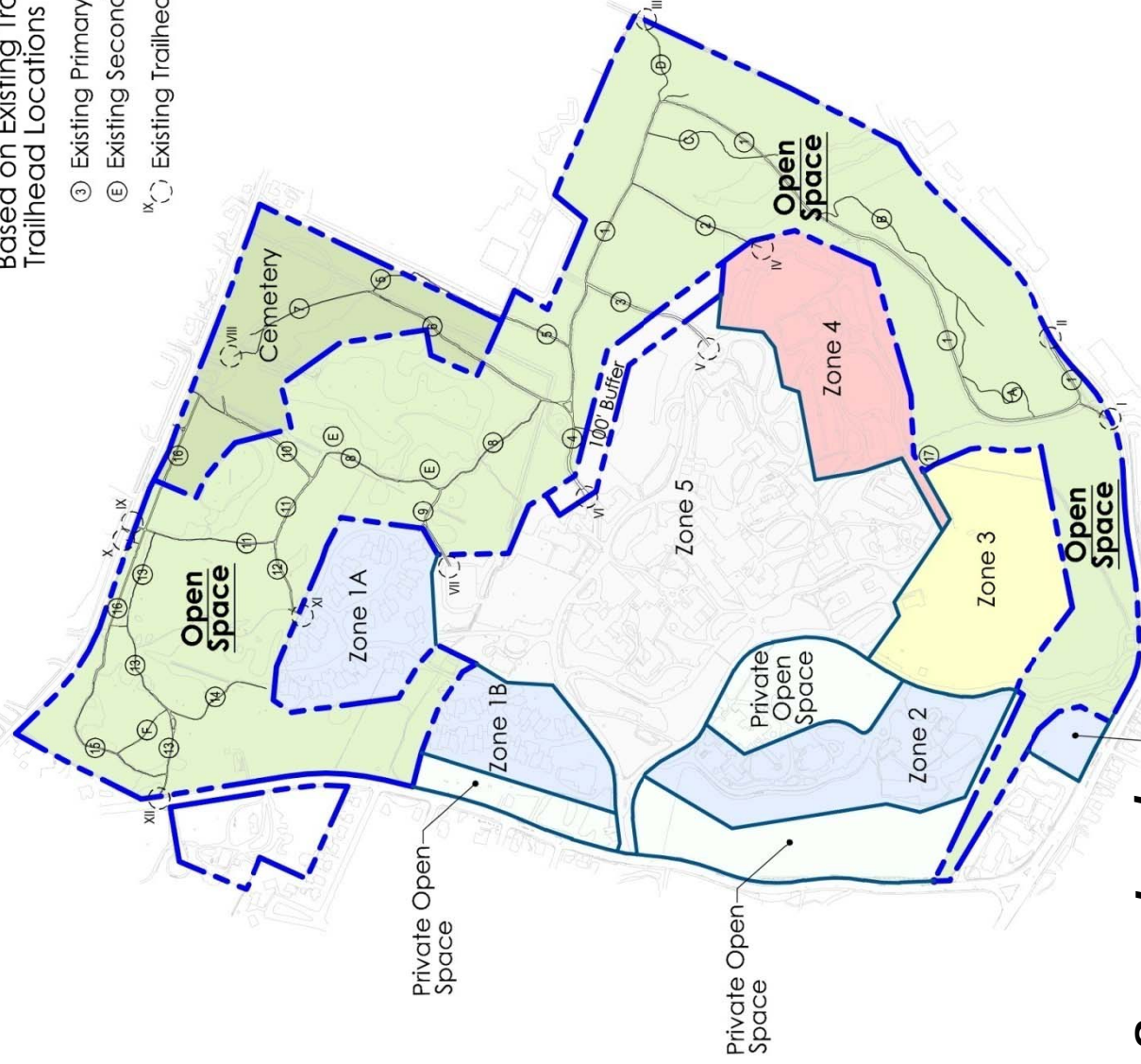
Trail Analysis Existing Conditions Photographs

Existing Trail System Analysis

Trail Key

Based on Existing Trail and Trailhead Locations

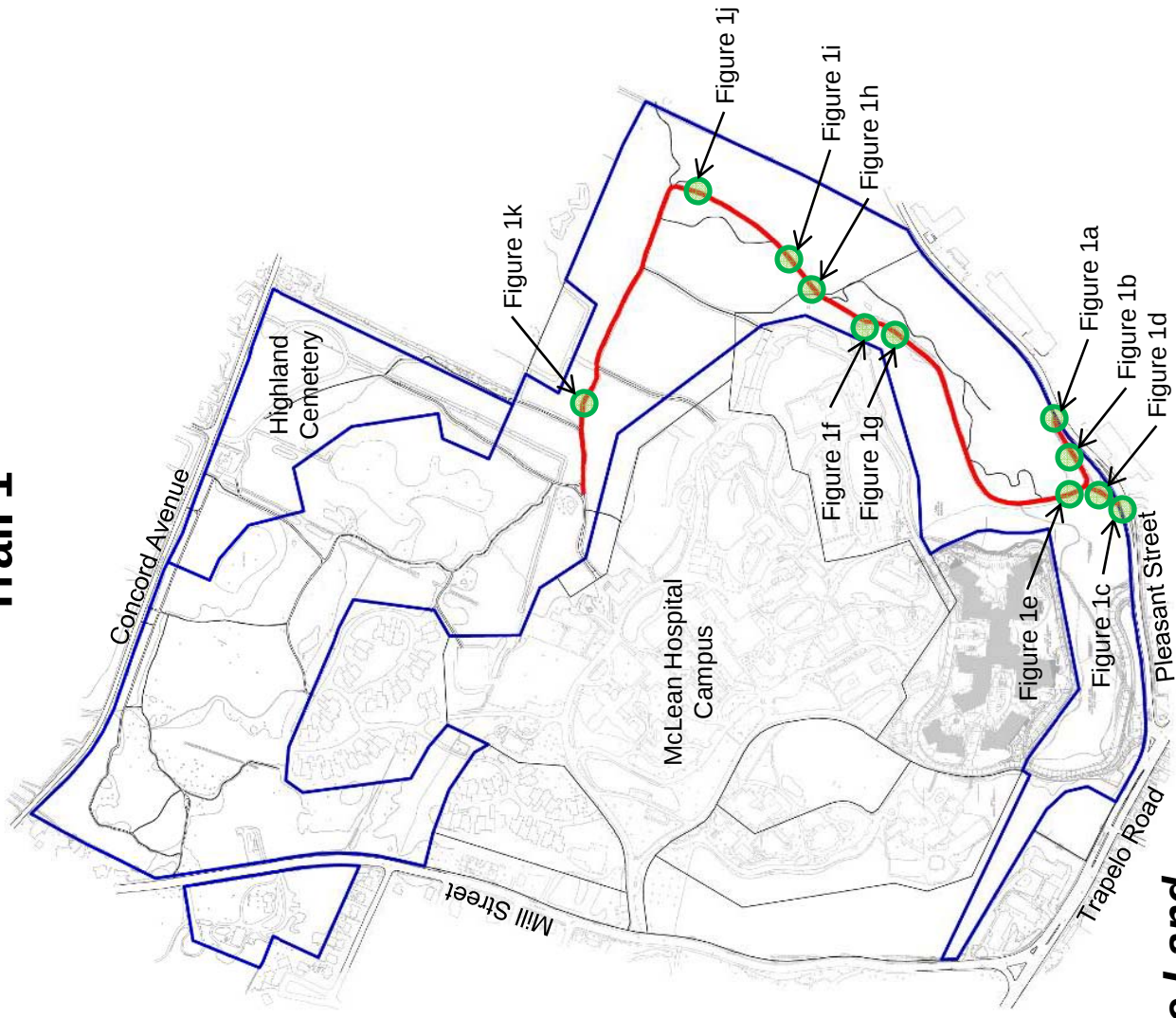
- ③ Existing Primary Trail
- ⓔ Existing Secondary Trail
- IX Existing Trailhead



McLean Open Space Land
Comprehensive Trail System Plan

Existing Trail System Analysis

Trail 1



McLean Open Space Land
Comprehensive Trail System Plan

Existing Trail System Analysis

Trail 1



Figure 1a: Locked vehicular gate at Trail 1's northern trailhead at Pleasant Street (Trailhead II). Most of Trail 1 is wide enough to allow vehicle access.

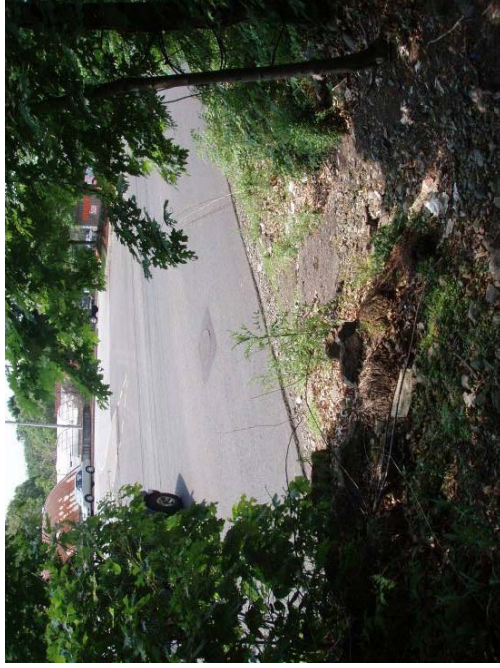


Figure 1c: Dangerous intersection and poor sightlines due to dense vegetation and road alignment at the bottom of Trail 1's southern trailhead at Pleasant Street (Trailhead I).



Figure 1b: Rocky trail surface and significant erosion immediately above Trail 1's northern trailhead at Pleasant Street (Trailhead II).



Figure 1d: Fallen trees blocking the trail near the bottom of Trail 1's southern, Pleasant Street trailhead (Trailhead I)

Existing Trail System Analysis

Trail 1



Figure 1e: Groundwater seepage near the base of Trail 1. This seepage is causing erosion and gullyng to the trail surface.



Figure 1g: Eroded trail surface below the McLean parking lot shown in Figure 1f. Water flow is channelized by the two stone walls (not shown) along the sides of the this section of Trail 1.



Figure 1f: The old McLean parking lot adjacent to Trail 1, currently a construction staging area, is a point source of surface water flow causing major erosion problems on Trail 1. Note half of this parking lot is within the Open Space Land.



Figure 1h: Large fallen tree across Trail 1. A short path bypasses the tree on the east side of Trail 1. Also an area of Japanese knotweed growth is encroaching across the trail corridor on both sides of the fallen tree.

McLean Open Space Land

Comprehensive Trail System Plan



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Existing Trail System Analysis

Trail 1

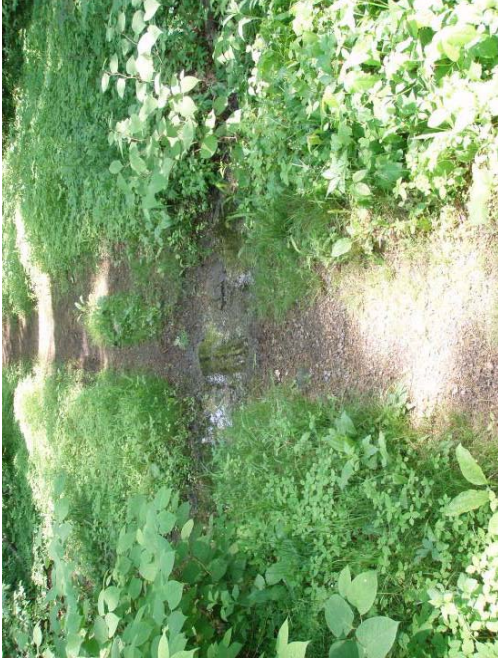


Figure 1i: Stream crossing perpendicular to the trail creating muddy conditions in Spring. The small pipe culvert underneath trail may be partially blocked, thus allowing for water flow over the trail surface..



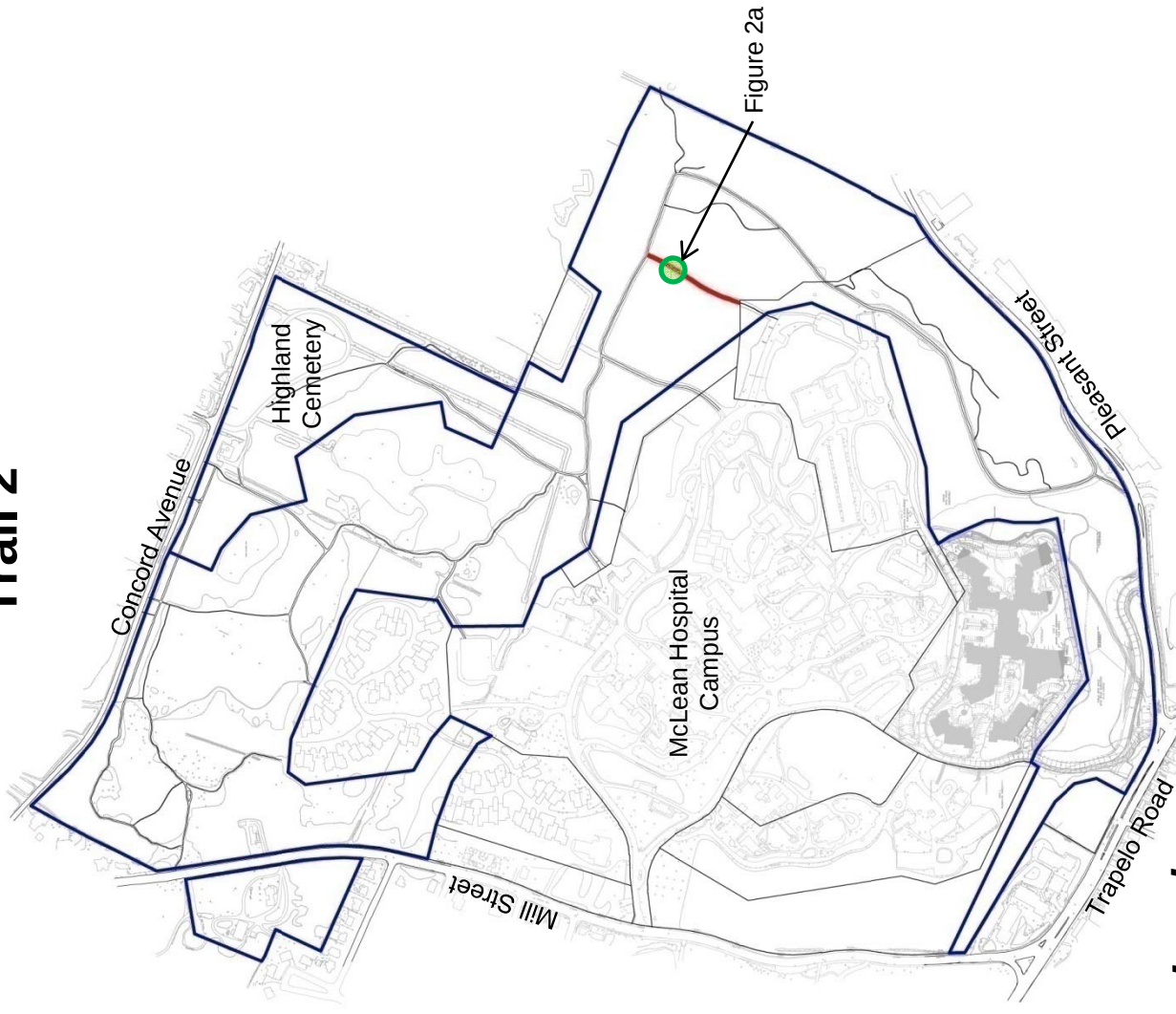
Figure 1j: Some minor trail erosion due to steep grade. Note compacted, vehicular tracks.



Figure 1k: Muddy trail tread near water tower area. This area in mostly only wet during the Spring months and dries out in the Summer. Notice truck tire marks.

Existing Trail System Analysis

Trail 2



McLean Open Space Land
Comprehensive Trail System Plan

Existing Trail System Analysis

Trail 2

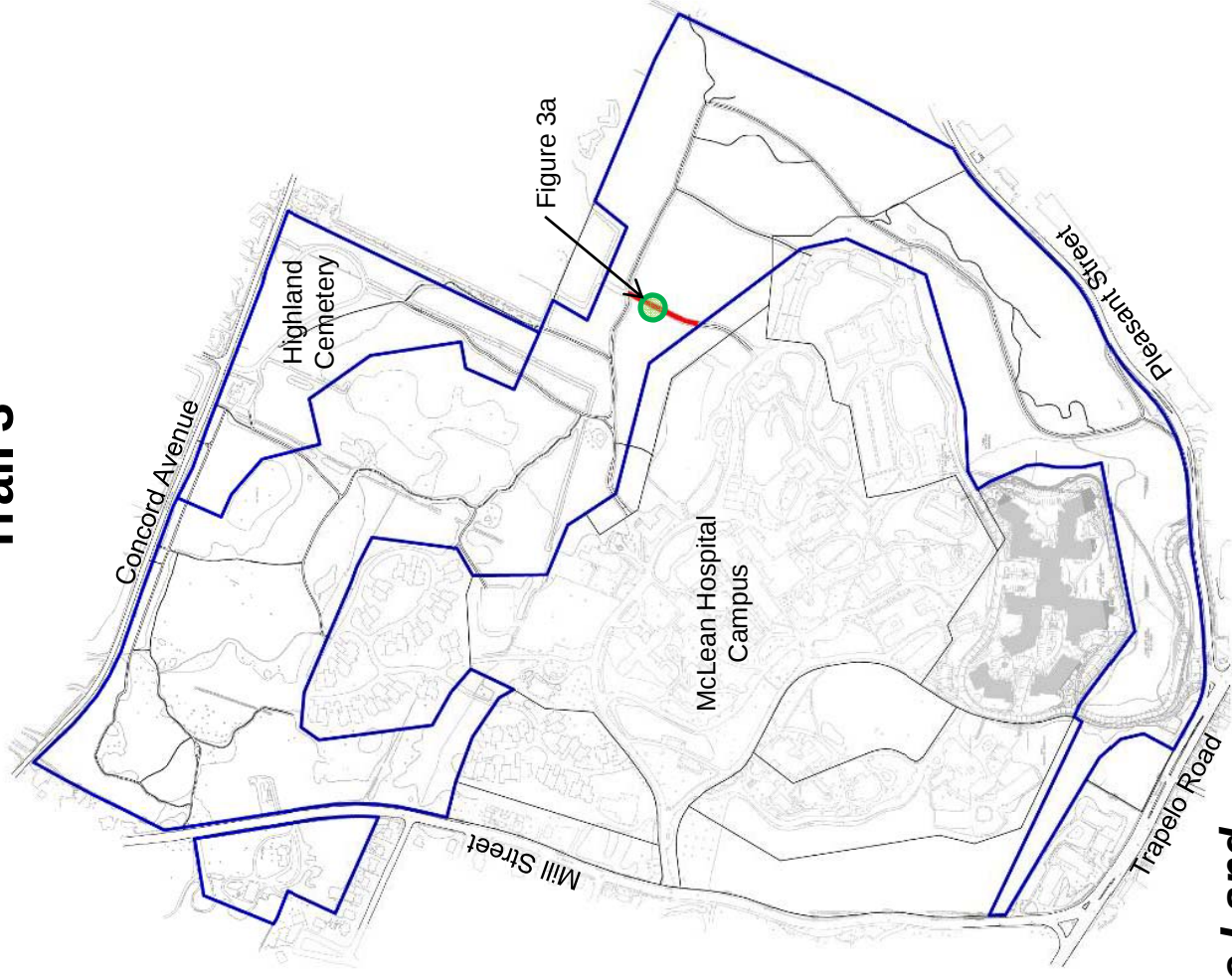


Figure 2a: Overgrown vegetation and lack of regular use is effectively closing this trail. Trail leads to a currently unused part of the McLean Hospital campus (Trailhead IV). Vegetation growing within the trail includes jewelweed, poison ivy, and various grasses along with some woody seedlings. Vehicle access in current condition will be difficult.

McLean Open Space Land Comprehensive Trail System Plan

Existing Trail System Analysis

Trail 3



McLean Open Space Land
Comprehensive Trail System Plan

Existing Trail System Analysis

Trail 3

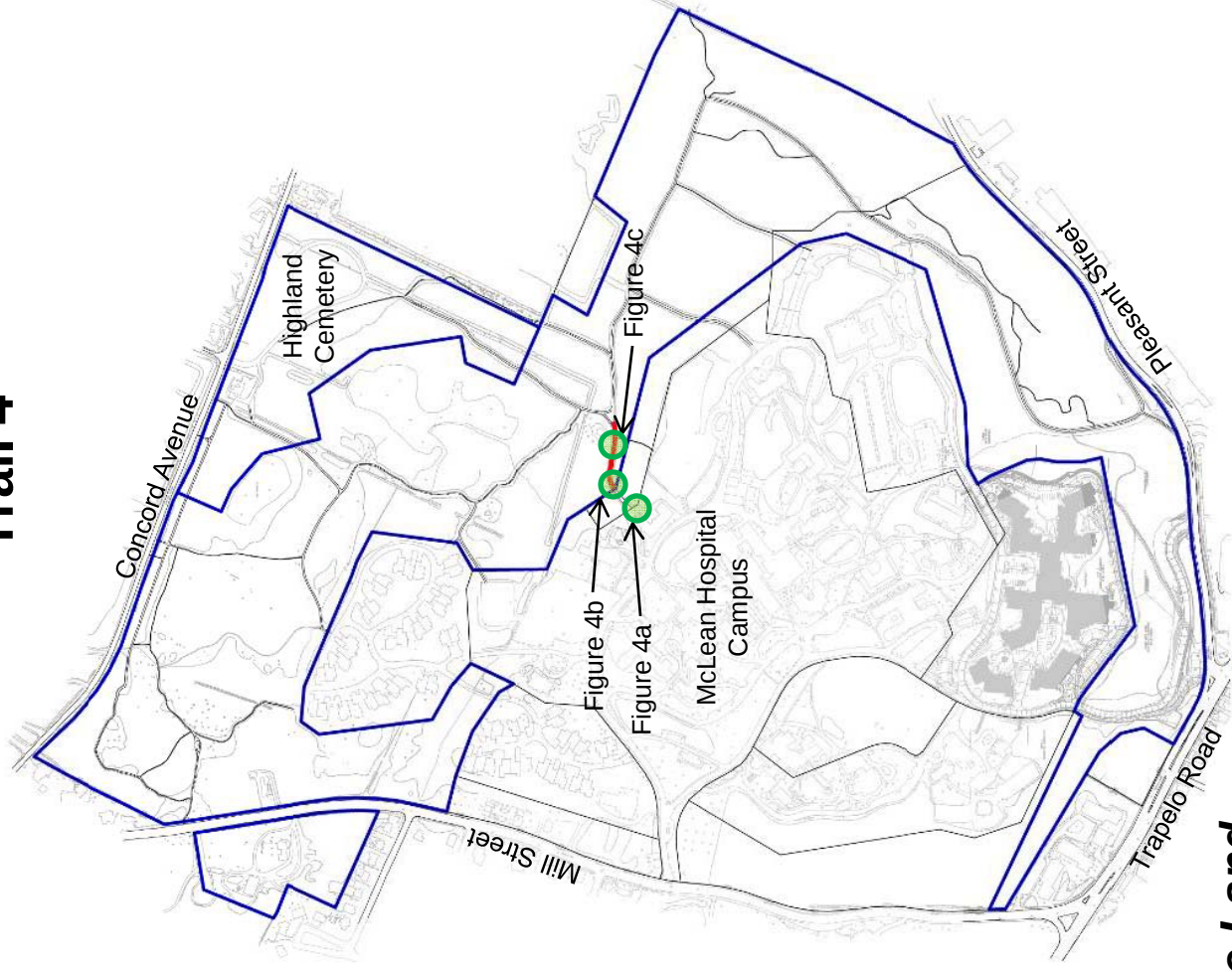


Figure 3b: Trail 3 as seen from Trail 1. Trail 3 is primarily grass-covered tread within the Open Space but the tread changes to a gravel surface within the steeper trail sections in the 100-foot Buffer Zone. Trail 3 connects to a used area within the main McLean Hospital Campus (Trailhead V). Trail is wide enough for vehicle access.

McLean Open Space Land** **Comprehensive Trail System Plan

Existing Trail System Analysis

Trail 4



McLean Open Space Land
Comprehensive Trail System Plan

Existing Trail System Analysis

Trail 4



Figure 4a: Chained, vehicle access gateway for Trail 4 as seen from the McLean Hospital property (Trailhead VI)



Figure 4b: Tire marks on Trail 4 within the 100' buffer zone.

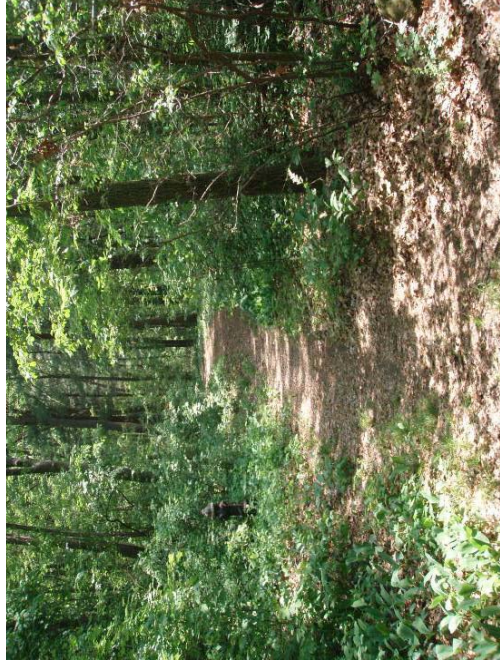
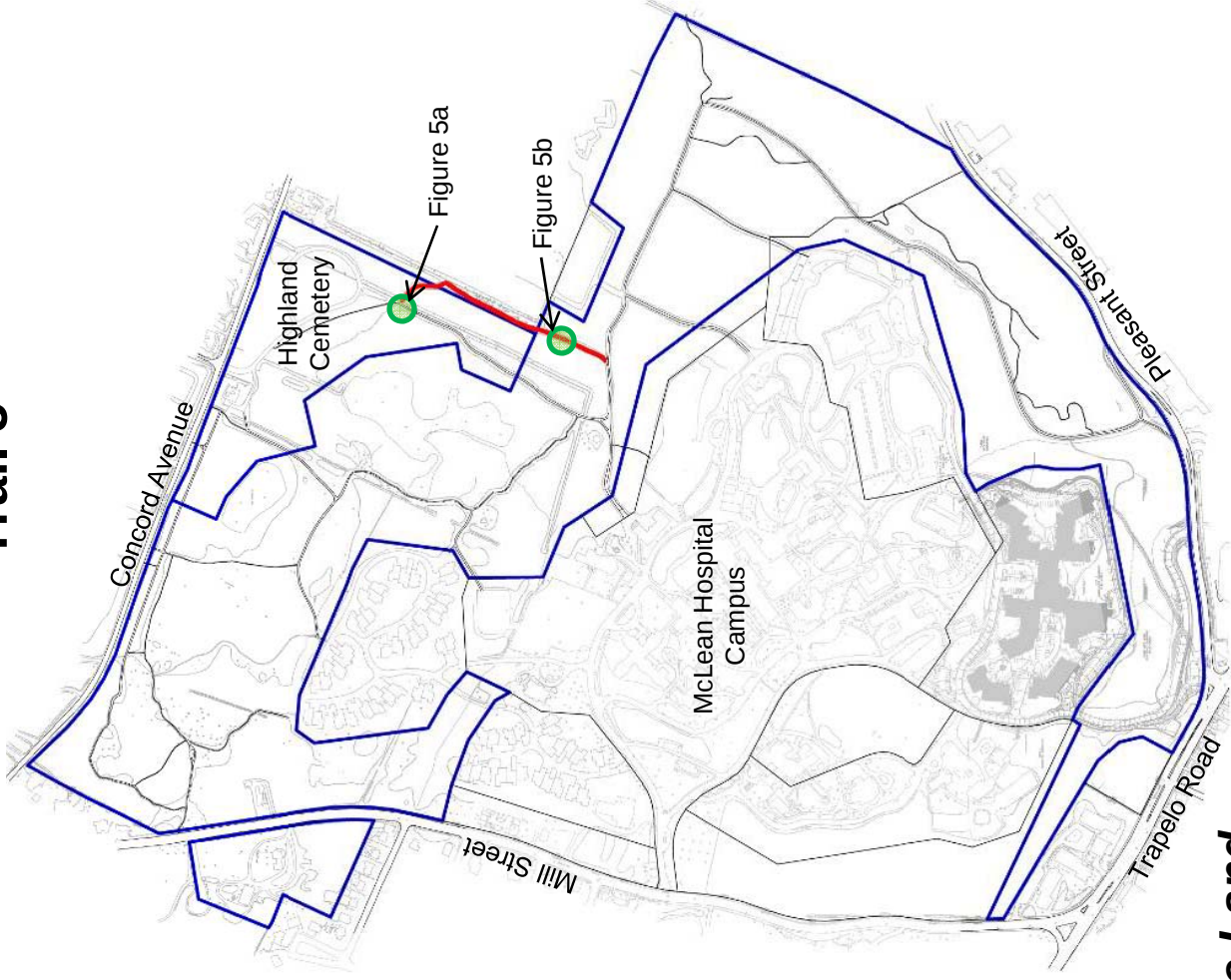


Figure 4c: Approaching the water tower area along Trail 4.

McLean Open Space Land ***Comprehensive Trail System Plan***

Existing Trail System Analysis

Trail 5



McLean Open Space Land
Comprehensive Trail System Plan

Existing Trail System Analysis

Trail 5



Figure 5a: North entrance to Trail 5 at the intersection of Trails 6 and 7. Trail goes through opening in stone field wall. Tread of trail is typically narrower (2' to 3') along the northern stretch of Trail 5.

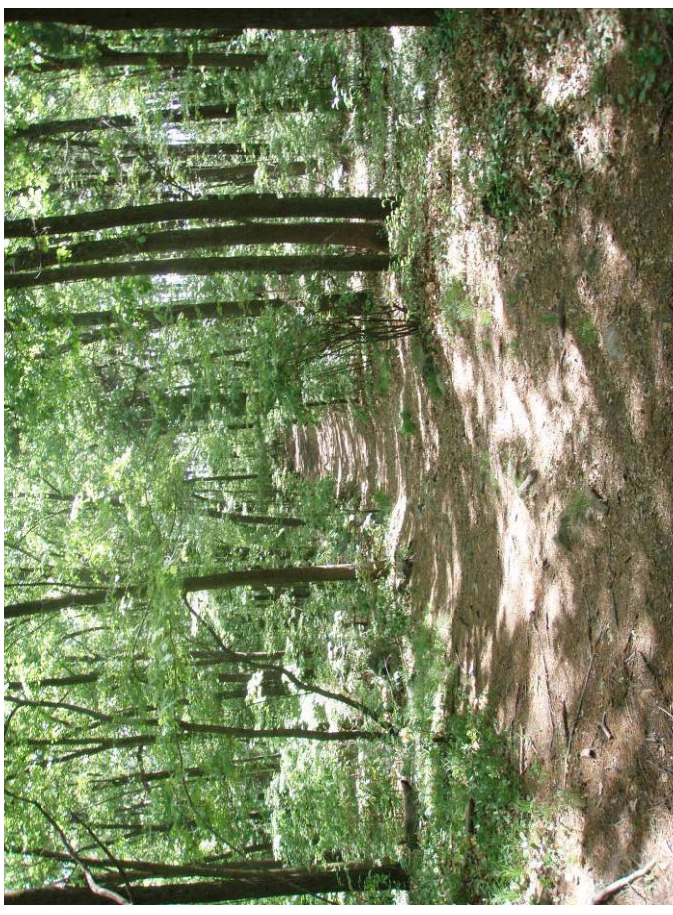
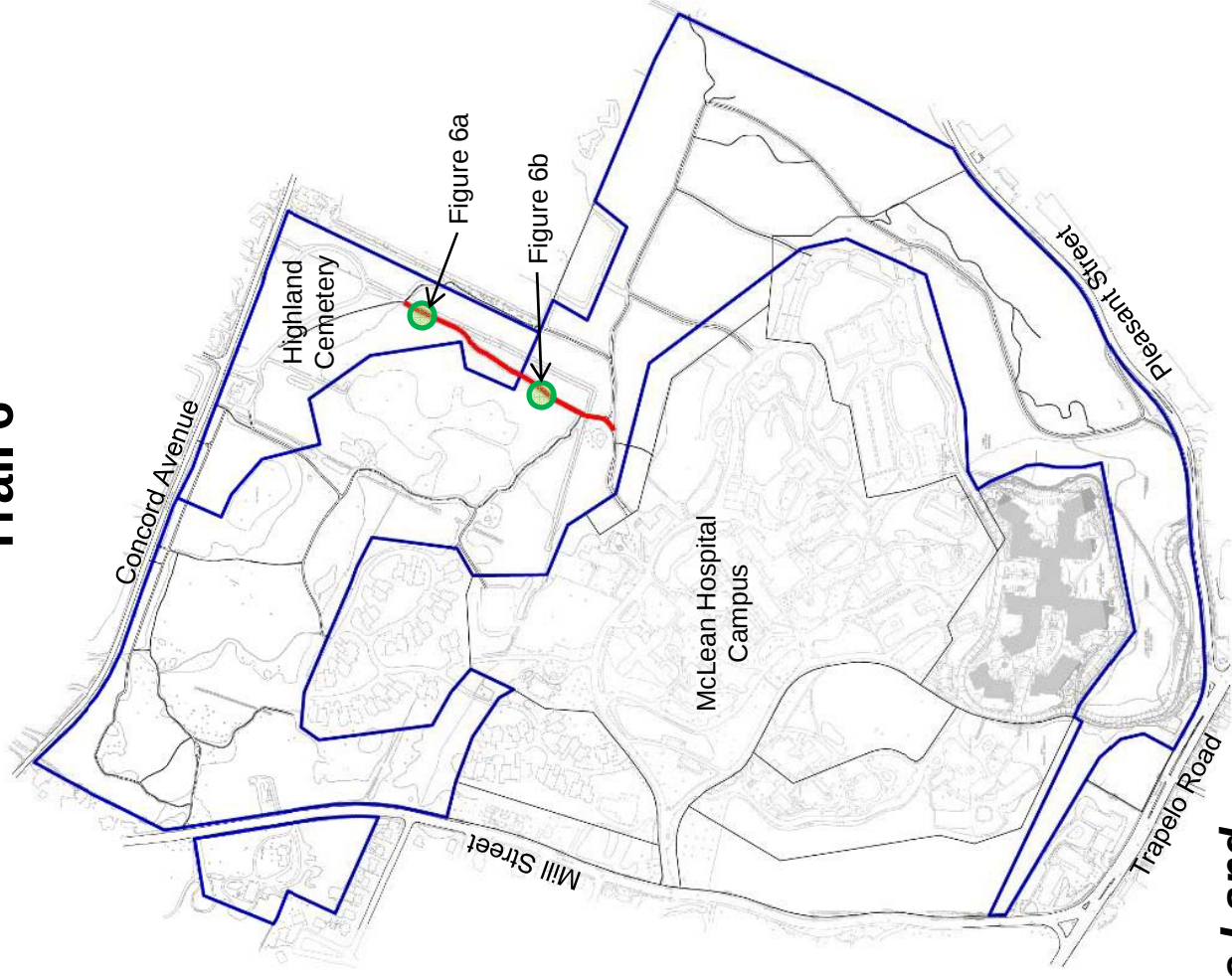


Figure 5b: Wider trail tread and corridor (8' – 12') along the southern stretch of Trail 5. Trail clearance is wide enough for vehicular access.

Existing Trail System Analysis

Trail 6



McLean Open Space Land
Comprehensive Trail System Plan

Existing Trail System Analysis

Trail 6



Figure 6a: Trail 6 has a fairly consistent wide tread and trail clearance and is wide enough for vehicular access..

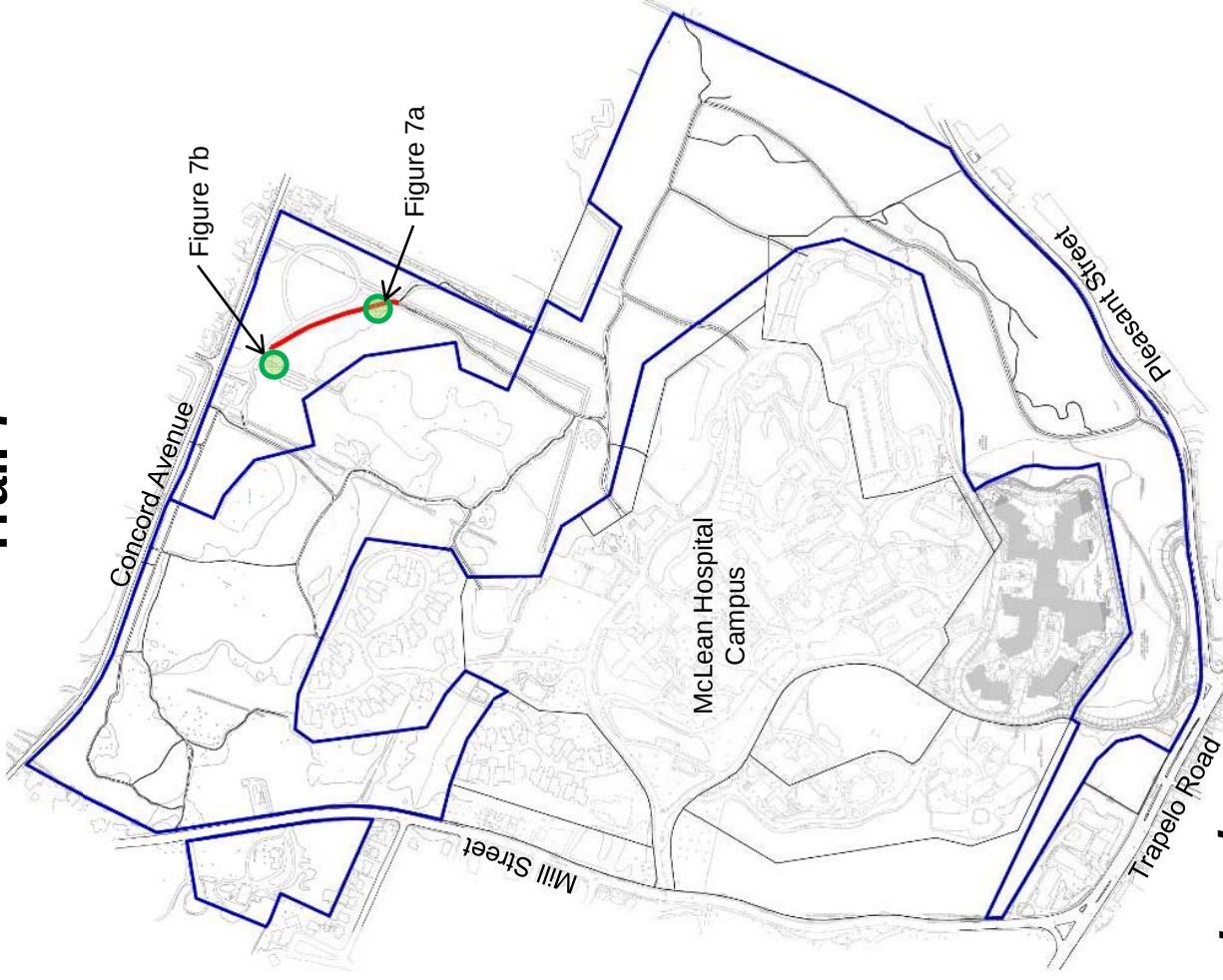


Figure 6b: Where the tree canopy allows in sunlight, grass is growing in the median of the trail between the compacted tire treads.

McLean Open Space Land *Comprehensive Trail System Plan*

Existing Trail System Analysis

Trail 7



McLean Open Space Land
Comprehensive Trail System Plan

Existing Trail System Analysis

Trail 7

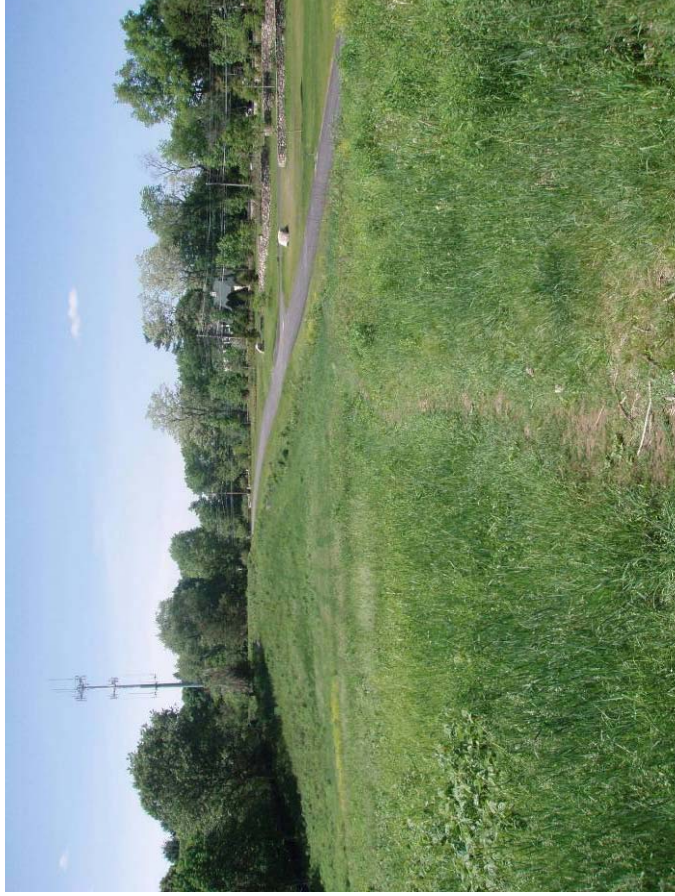
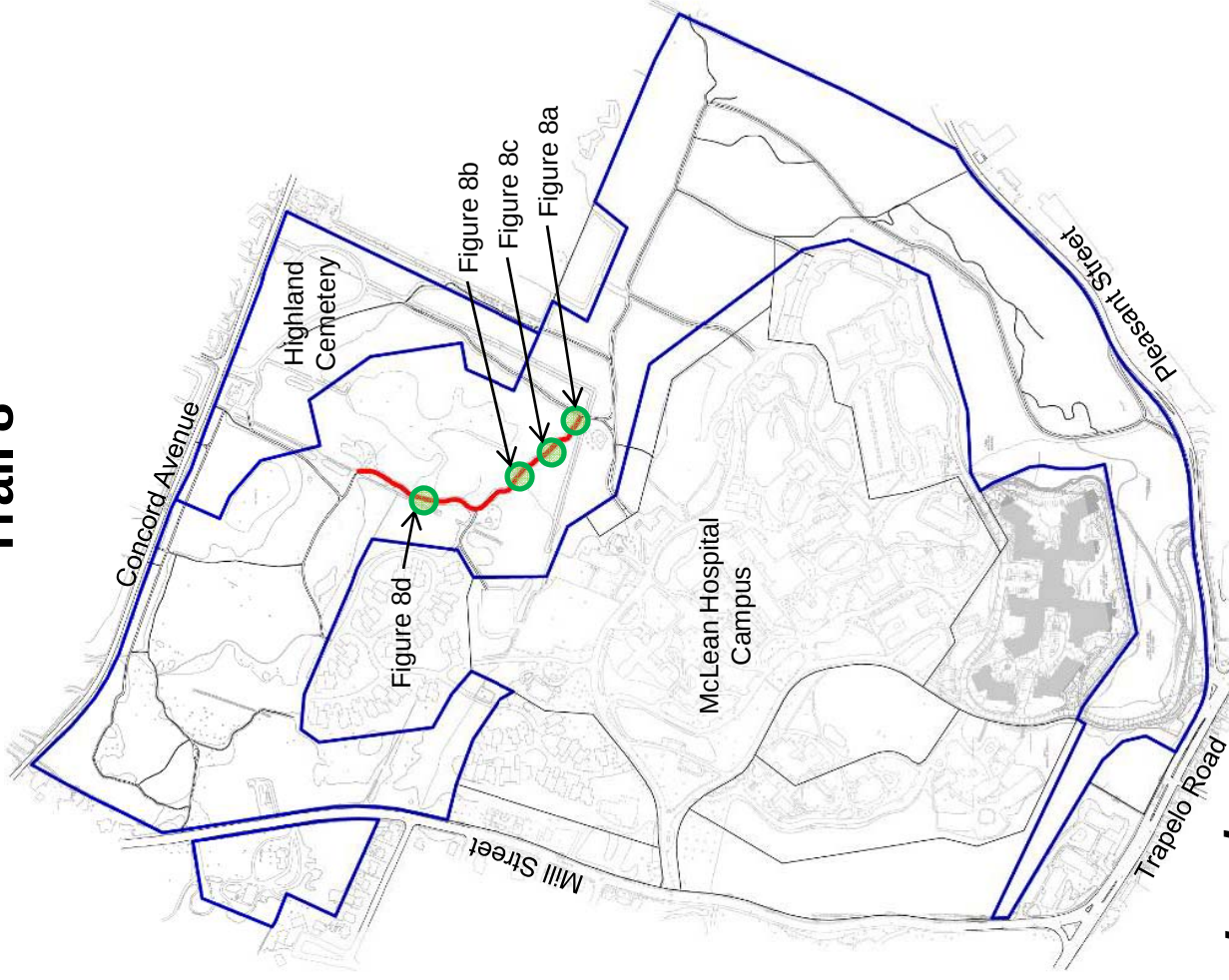


Figure 7a: The narrow 1- to 2-foot tread of Trail 7 skirts parallel to the Highland Cemetery vehicular drive and through the Heart-Shaped Meadow.



Figure 7B: The northern Trail 7 trailhead (Trailhead VII) goes through a opening in the stone wall near the Highland Cemetery entrance..

Existing Trail System Analysis Trail 8



McLean Open Space Land
Comprehensive Trail System Plan

Existing Trail System Analysis

Trail 8



Figure 8a: View along Trail 8 looking towards the intersection with Trail 9.

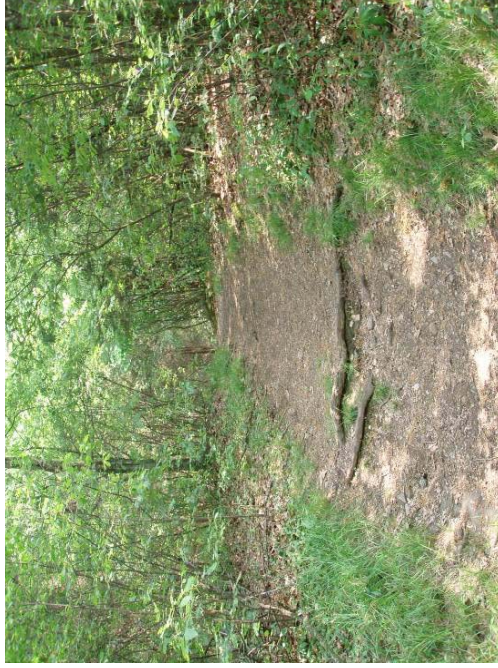


Figure 8c: Section of Trail 8 east of the bridge. The tread and width of the east trail section is typically wider than the trail section west of the bridge.



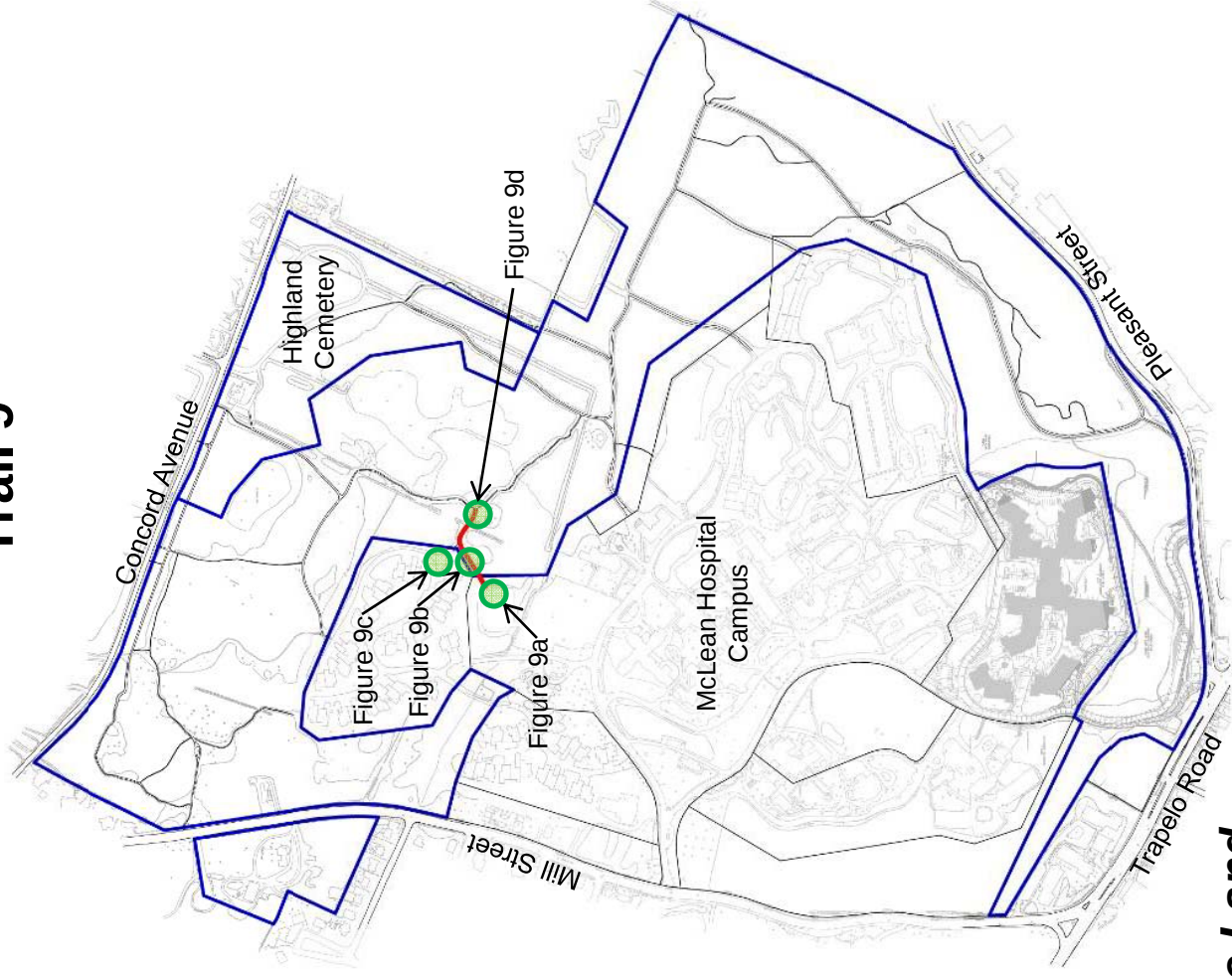
Figure 8b: Narrow, wooden bridge crossing stream that flows from the Red Maple Swamp.



Figure 8d: Seasonally wet section of Trail 8 running immediately adjacent to the edge of the Red Maple Swamp. Notice the standing water and muddy tread..

Existing Trail System Analysis

Trail 9



McLean Open Space Land
Comprehensive Trail System Plan

Existing Trail System Analysis

Trail 9



Figure 9a: Broken, vehicle gate at the trailhead of Trail 9 (Trailhead VII) as seen from the McLean Hospital property.



Figure 9b: Section of Trail 9 immediately adjacent to the new Woodlands at Belmont Hill development.



Figure 9c: Narrow mulched landscape area serving as a entry to Trail 9 from the Woodlands development.

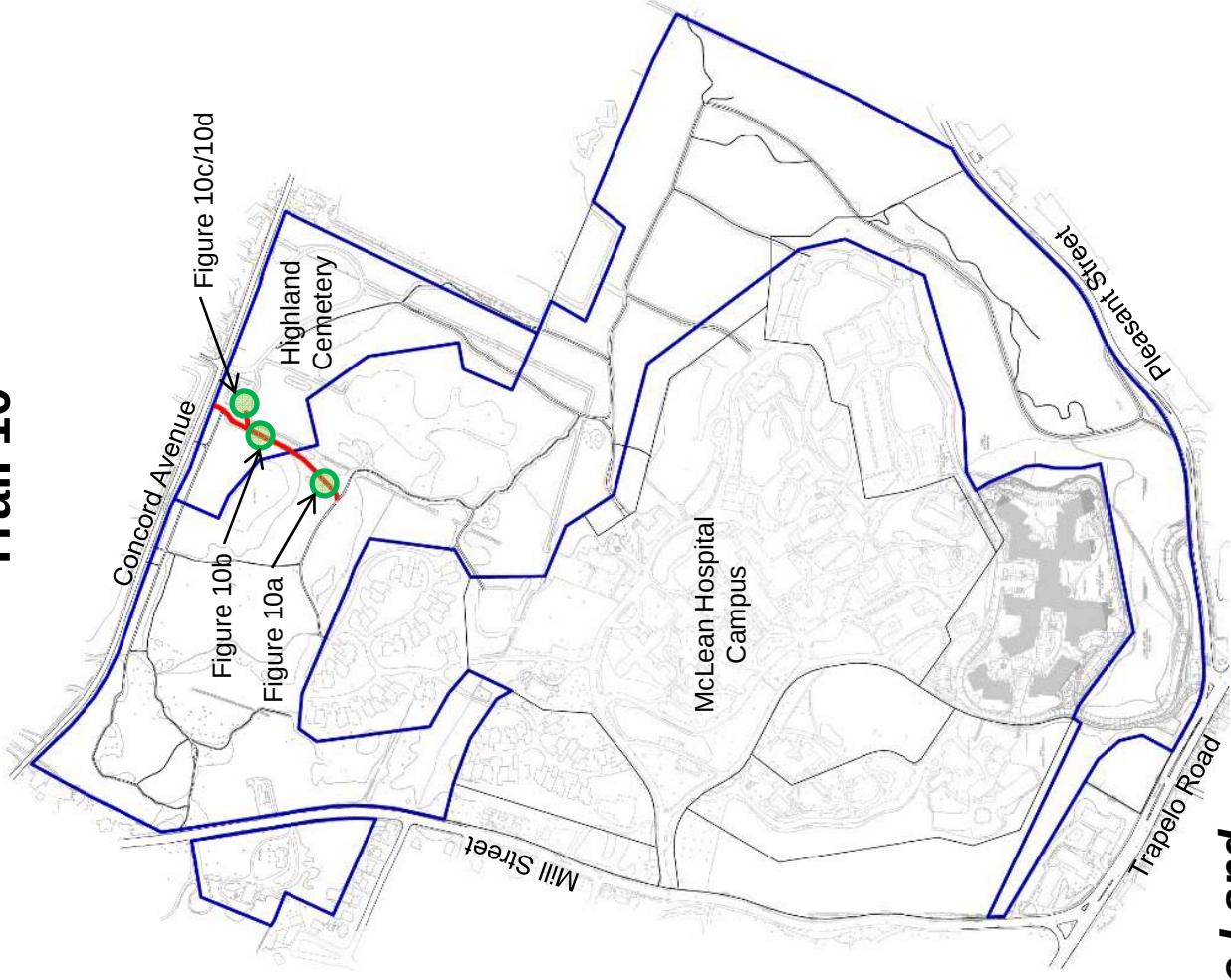


Figure 9d: Looking southwest down Trail 9 from the intersection with Trail 8 and towards the Woodlands development.

McLean Open Space Land Comprehensive Trail System Plan

Existing Trail System Analysis

Trail 10



McLean Open Space Land
Comprehensive Trail System Plan

Existing Trail System Analysis

Trail 10



Figure 10a: Trail 10 running through the northeast corner of the Great Meadow. Tread is mostly composed of dual, compacted vehicular tracks. A good amount of grass grows within the trail tread.



Figure 10c: Existing northern terminus of Trail 10 at the cell tower maintenance driveway.



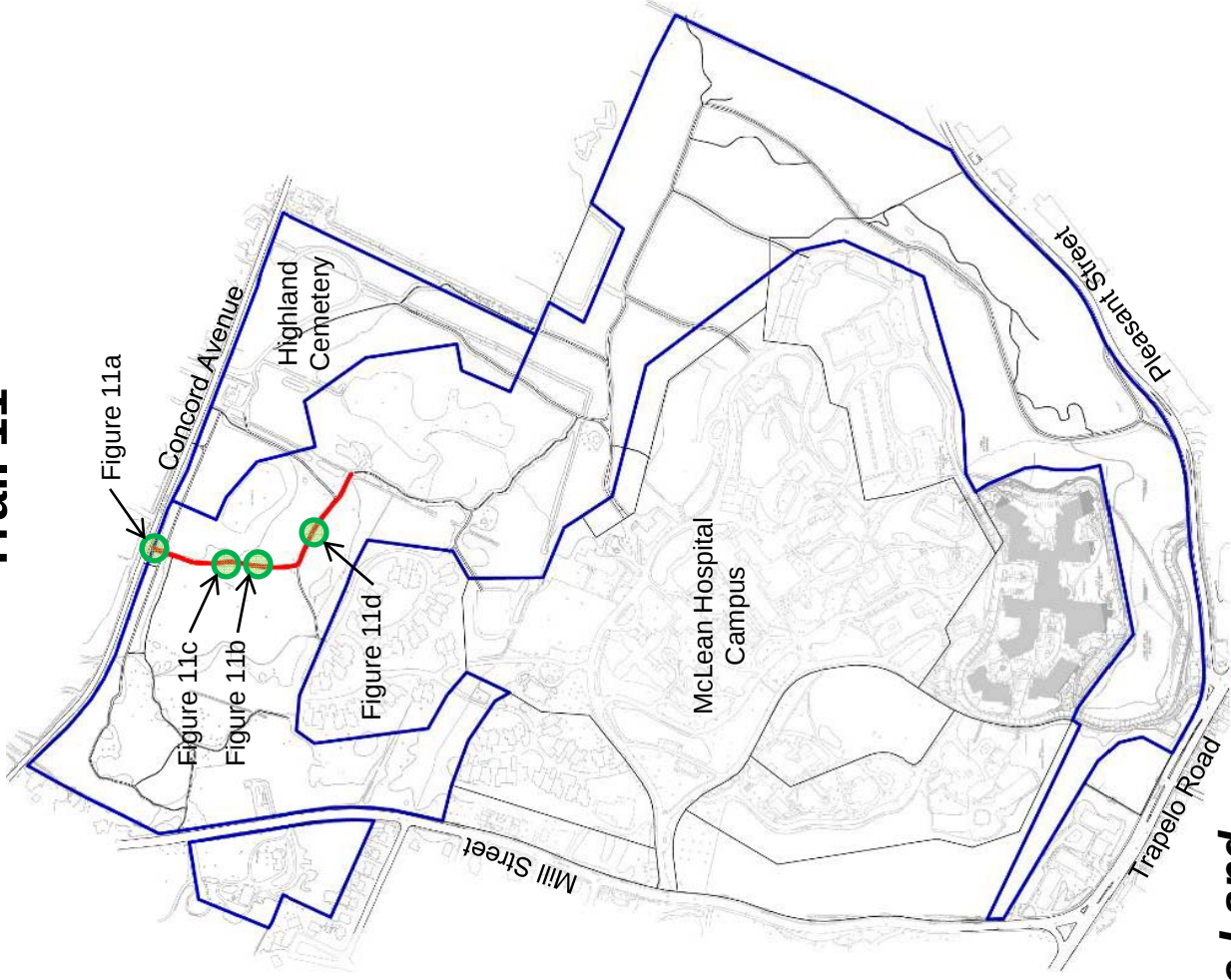
Figure 10b: Trail 10 approaching the eastern end of the Pine Allee. A short and narrow spur trail connects to the Pine Allee and then out to Concord Avenue.



Figure 10d: Worn and eroded trail surface at the cell tower maintenance driveway. Water flow sheets from the driveway onto the trail (from left to right in this photo).

Existing Trail System Analysis

Trail 11



McLean Open Space Land
Comprehensive Trail System Plan

Existing Trail System Analysis

Trail 11



Figure 11a: Broken, vehicle gate at the Trail 11 Concord Avenue trailhead (Trailhead IX).



Figure 11c: Seasonally wet area on Trail 11. Notice braided trail treads and improvised area of collected wood to facilitate crossing of muddy area. This area of the trail typically dries up in the summer and fall months and returns to a single trail tread.



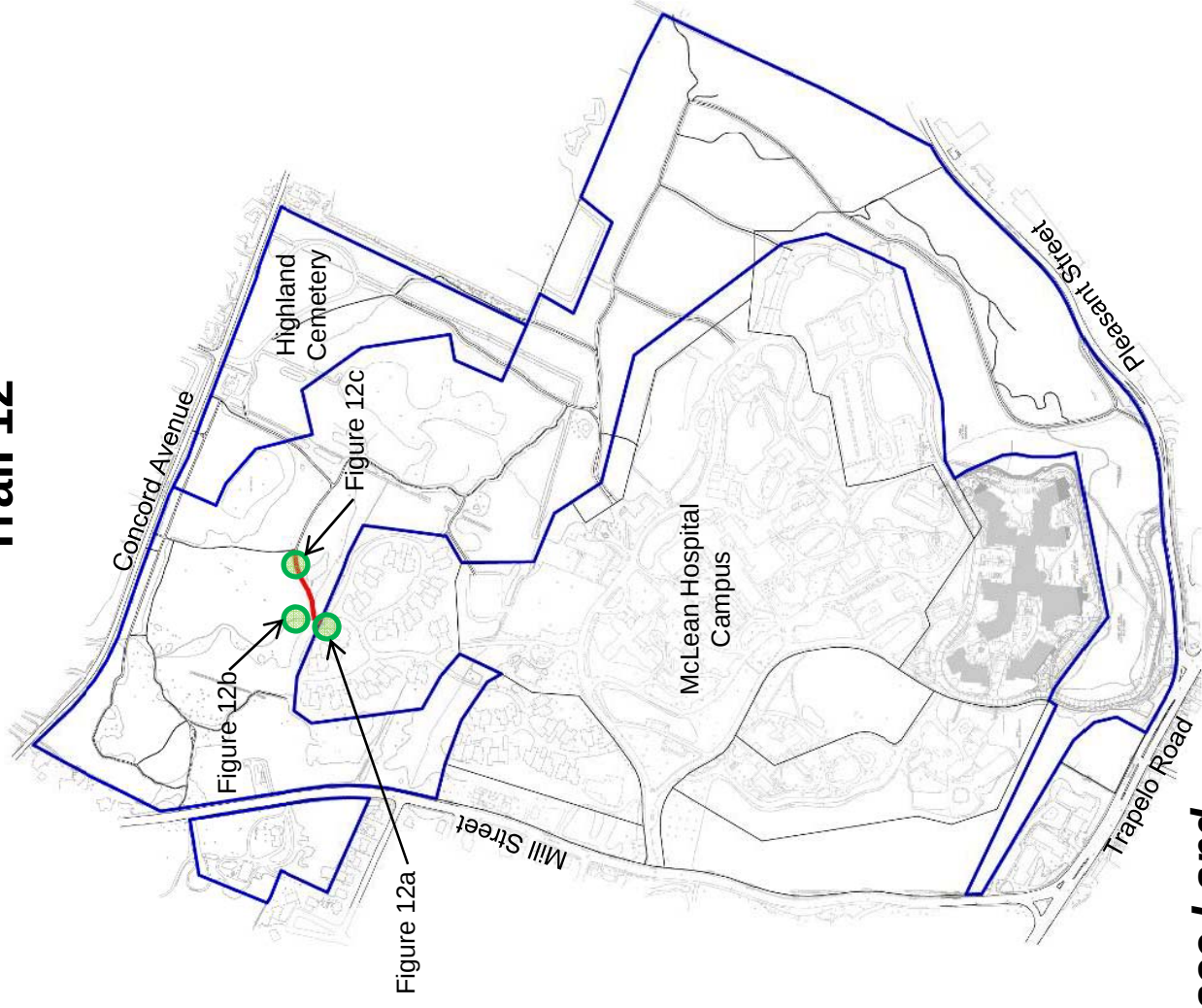
Figure 11b: Looking north along Trail 11 from the Lone Tree Hill. Tread is composed of dual vehicular tracks but traffic generally follows only one of these tracks allowing the other track to grow in during the summer.



Figure 11d: Looking east along Trail 11 across the Lone Tree Hill. As in the northern stretch (Fig. 11b), this section is composed of compacted vehicle tracks .

Existing Trail System Analysis

Trail 12



McLean Open Space Land
Comprehensive Trail System Plan

Existing Trail System Analysis

Trail 12



Figure 12a: New, locked vehicle gate at the new trailhead for Trail 12 from the Woodlands development (Trailhead XI).



Figure 12b: View to the Trailhead XI from the Open Space Land. Notice newly planting buffer trees (mostly a mix of pines).

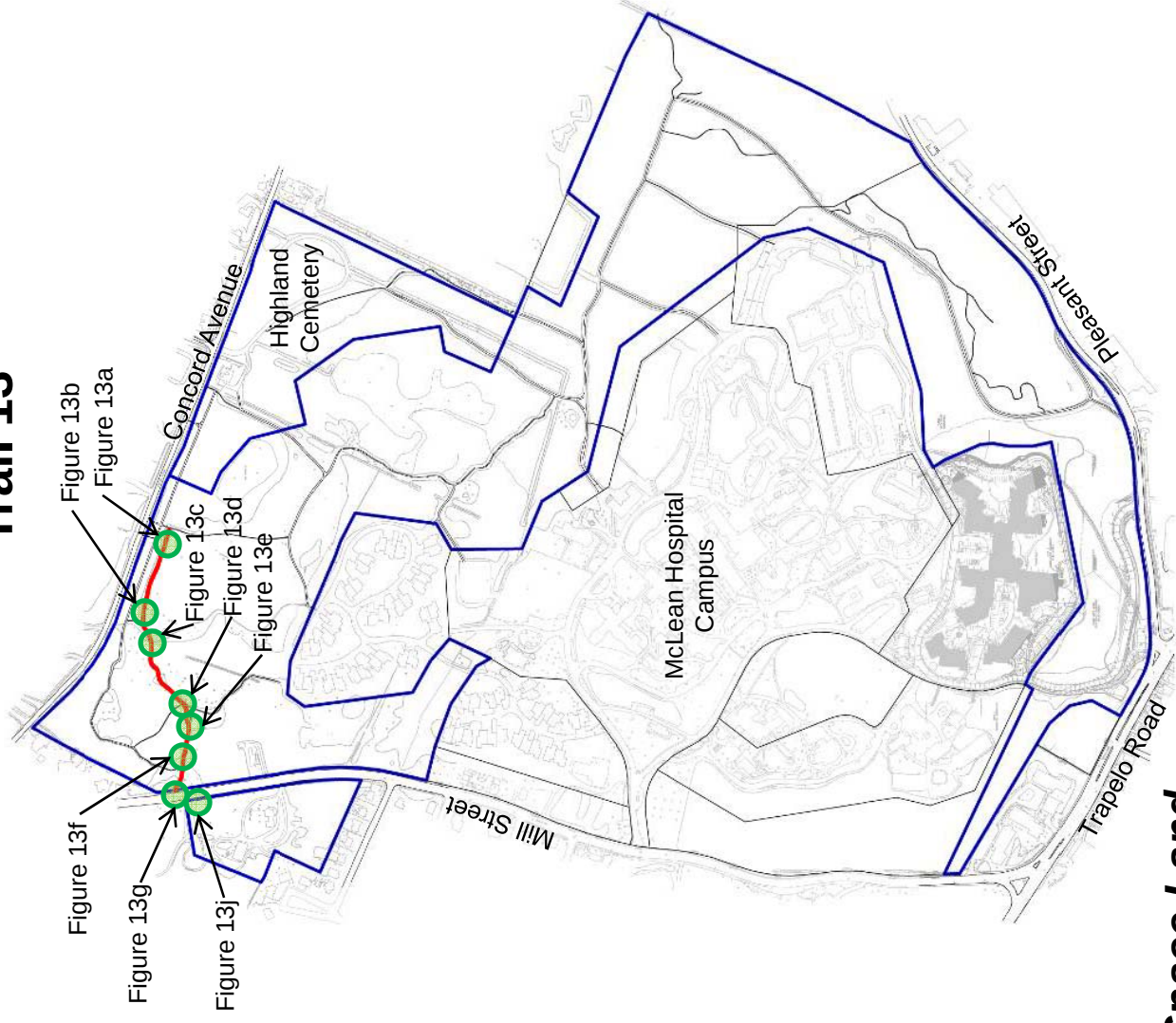


Figure 12c: Along Trail 12 looking southwest from near the intersection with Trail 11 and towards Trailhead XI. There is minor erosion of trail tread along this steeper section.

McLean Open Space Land ***Comprehensive Trail System Plan***

Existing Trail System Analysis

Trail 13



McLean Open Space Land
Comprehensive Trail System Plan

Existing Trail System Analysis

Trail 13



Figure 13a: Along the eastern section of Trail 13 through the northern part of the Great Meadow. This section has a narrow 1-foot tread. Notice uncut grass limits trail corridor width.



Figure 13b: Entering from the Lone Tree Hill meadow, Trail 13 passes through this vegetated area where low tree and shrub branches obstruct the passageway and limits sightlines.



Figure 13c: Heading further east along Trail 13, the trail corridor twists and turns through an area dominated with woody shrub growth (including buckthorn). Plant growth limits sightlines and narrows the corridor width. This area presents potential for user conflict.

Existing Trail System Analysis

Trail 13



Figure 13d: At the intersection of Trails 13 and 14, Trail 13 opens into a small, grassy area. Trail 14 continues south (left in this picture) and Trail 13 (right) continues downhill to Mill Street.



Figure 13e: At the top of the steepest section of Trail 13 and to the west of the area in Fig. 13d, the trail splits on either side of an oak and pine tree. Notice badly eroded areas of tread..



Figure 13f: View of the steepest and most eroded section of Trail 13 just east of the Mill Street intersection. Notice gullying of tread and exposed native stones due combination of water action and foot/bike traffic.

McLean Open Space Land Comprehensive Trail System Plan

Existing Trail System Analysis

Trail 13



Figure 13g: View of Trail 13's trailhead at Mill Street (Trailhead XII) as seen from within the Open Space Land. Dense vegetation restricts clear views of this busy road and makes safe crossing difficult..



Figure 13i: View of Trailhead XII at Mill Street as seen from the Rock Meadow driveway. Small Western Greenway marker sign hangs on the utility pole.



Figure 13h: View of Trailhead XII at Mill Street as seen from the western side of the road. Trailhead is not immediately discernable due to dense vegetation.



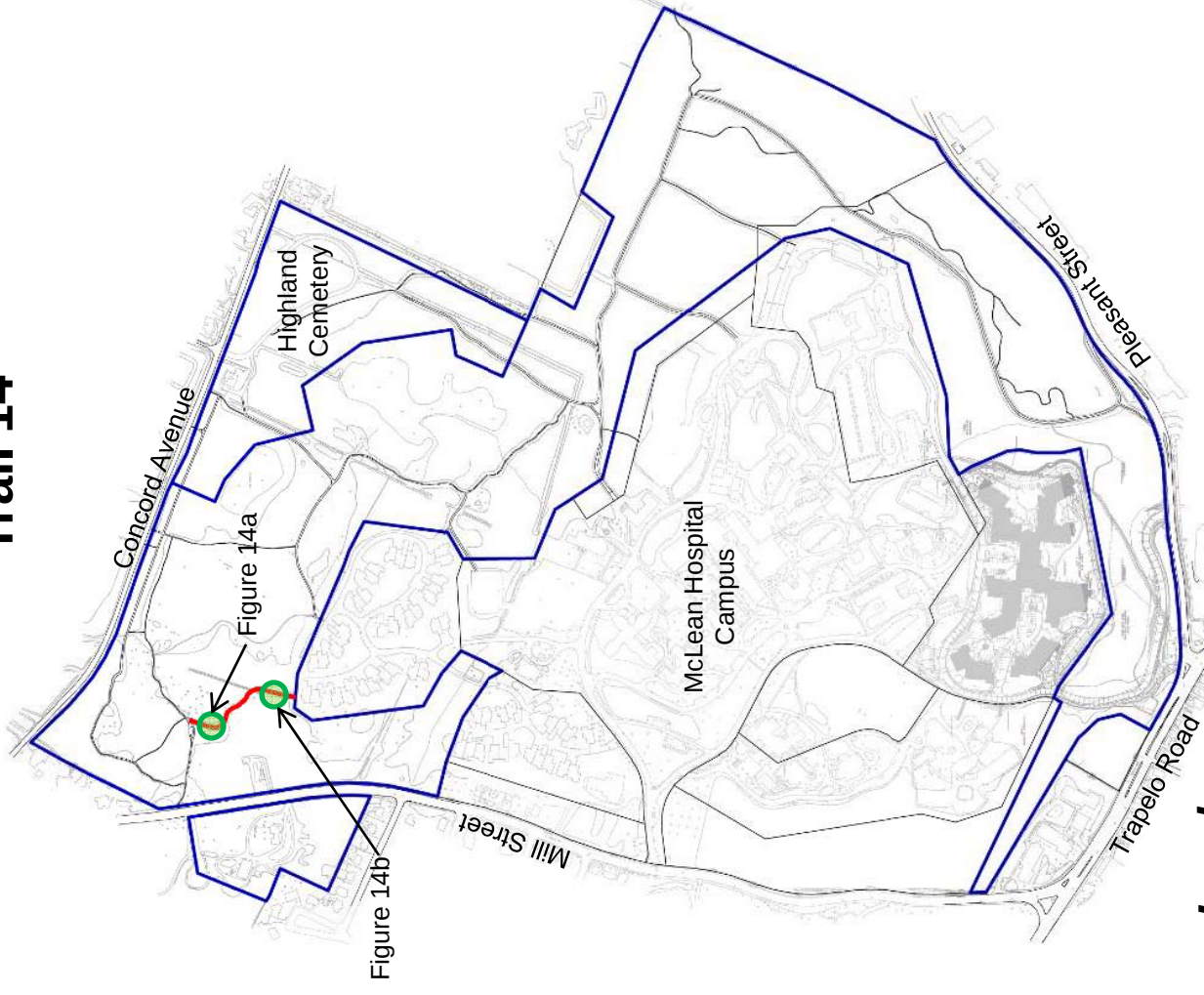
Figure 13j: View of the Rock Meadow driveway from the Open Space property. This is a possible area for a new roadway crossing between the two conservation lands. Such a crossing will allow for better sightlines once some of the vegetation is cleared.

McLean Open Space Land

Comprehensive Trail System Plan

Existing Trail System Analysis

Trail 14



McLean Open Space Land
Comprehensive Trail System Plan

Existing Trail System Analysis

Trail 14

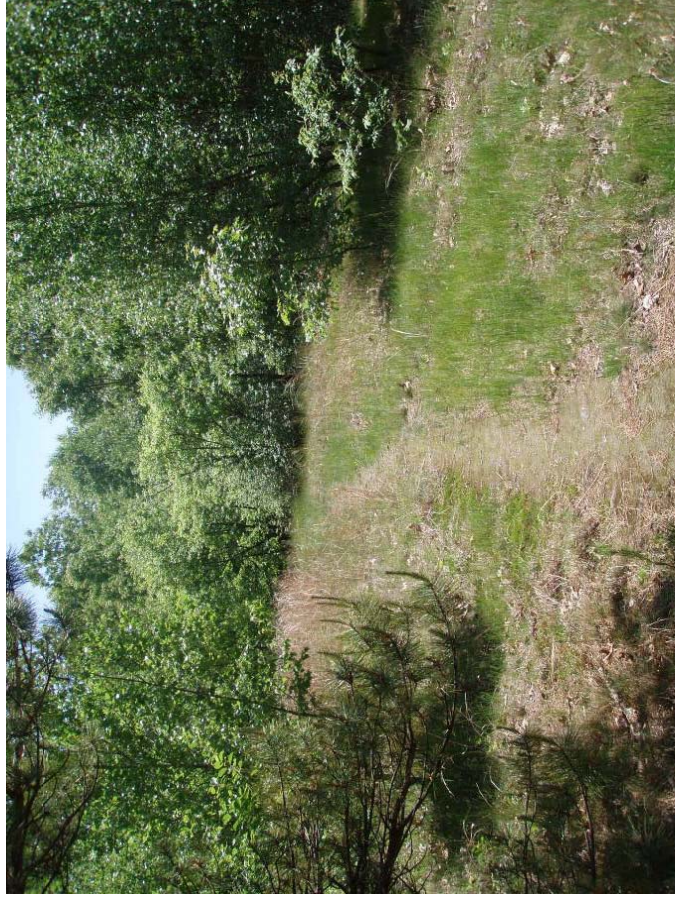


Figure 14a: Looking south along Trail 14 from the intersection with Trail 13. Trail 14 crosses this small, grassy area and then dips down into a densely wooded area. Trail tread is typically around 2-foot wide.

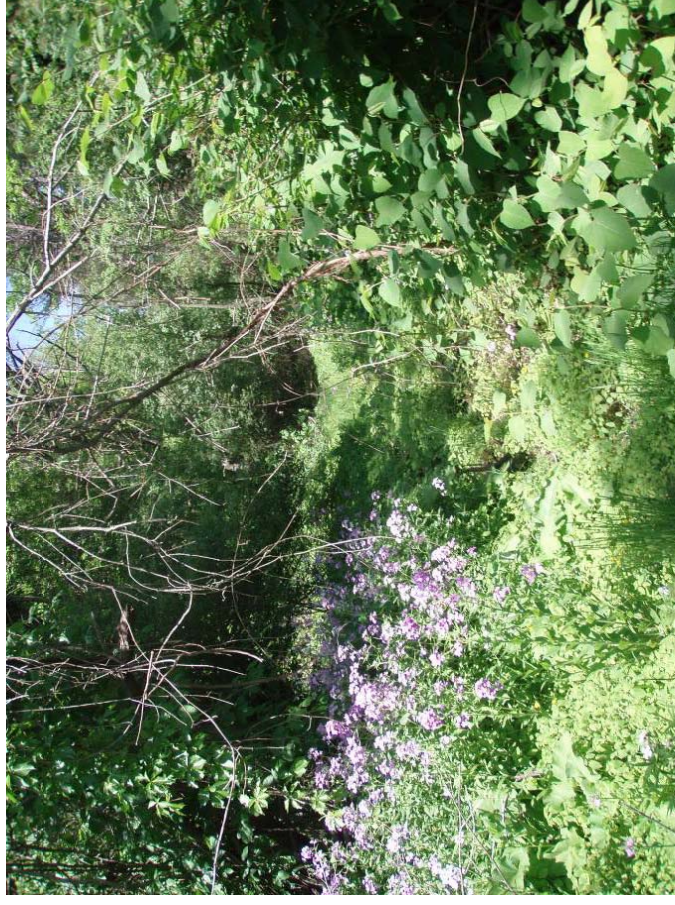


Figure 14b: Currently, Trail 14 essentially dead-ends in this seasonally wet and densely vegetated area. This section of trail once continued further south but was cut off by the new Woodlands development. Native and invasive perennial and woody vegetation have begun to take over this section of trail.

McLean Open Space Land ***Comprehensive Trail System Plan***

Existing Trail System Analysis

Trail 15



McLean Open Space Land
Comprehensive Trail System Plan

Existing Trail System Analysis

Trail 15



Figure 15a: Looking north along Trail 15 from near the intersection with Trail 13. The tread along this trail is typically 2-feet wide with some wider sections as the trail grade increases.



Figure 15b: Section of Trail 15 crossing alongside of one of the two small open grassy spaces in this area of the site. These grassy areas provide good opportunities for secluded rest or picnic areas within the Open Space Land.

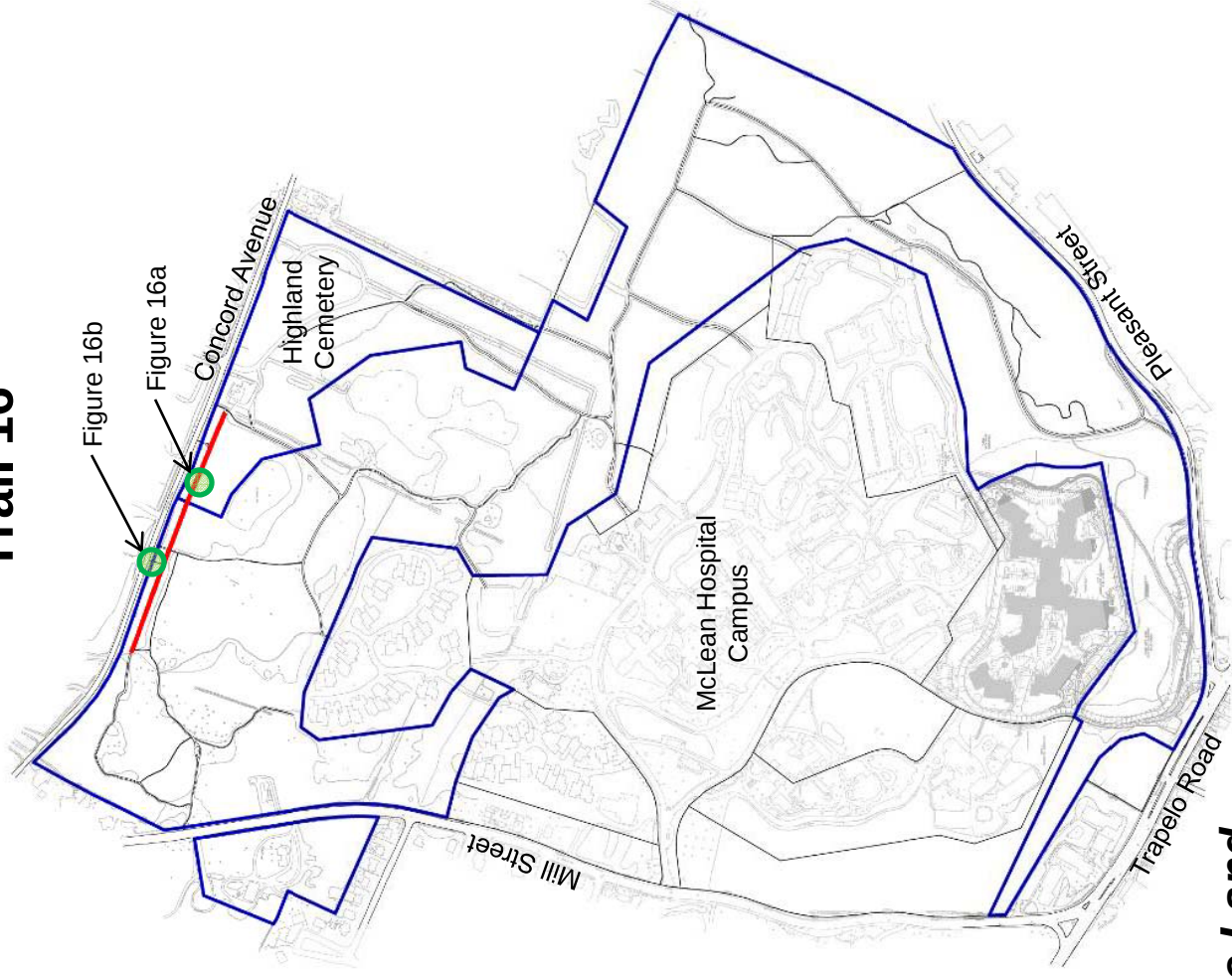


Figure 15c: Section of Trail 15 through a steep area of trail. The tread is wider in these steep areas. Gravel was installed in this section as a solution to the erosion occurring here. In addition, some minor grade dips were also installed at the base of these steep areas.

McLean Open Space Land ***Comprehensive Trail System Plan***

Existing Trail System Analysis

Trail 16



McLean Open Space Land
Comprehensive Trail System Plan

Existing Trail System Analysis

Trail 16

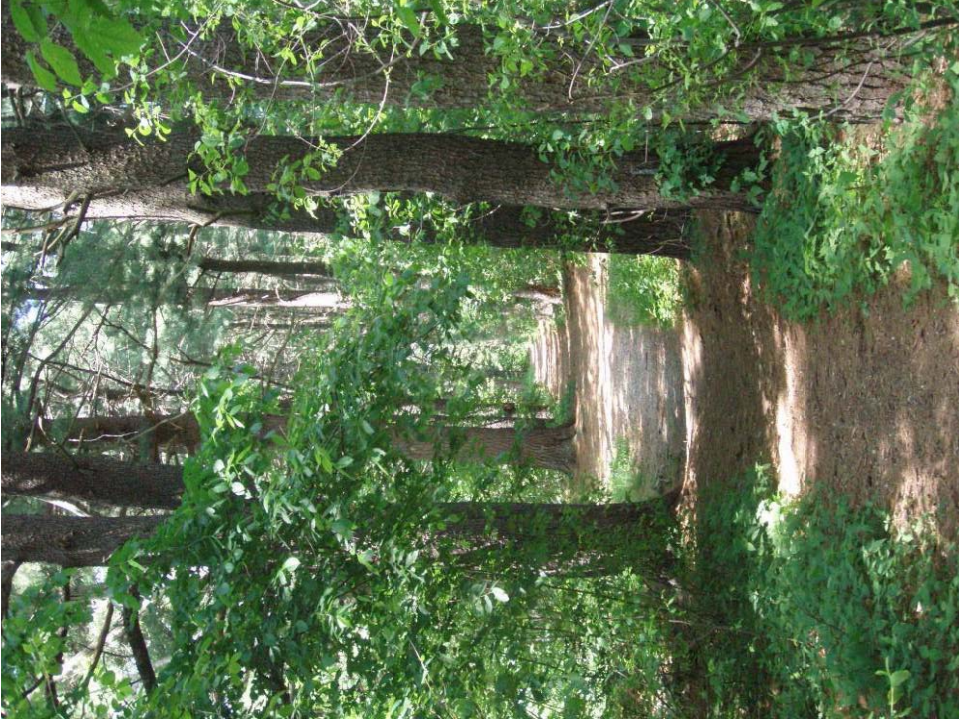


Figure 16a: Typical view along Trail 16 (the Pine Allee). The tread is typically 5-foot wide with a typical 8-foot clearance between the tree trunks. Tread is overlaid with pine leaf and bark duff presenting a softer trail surface.

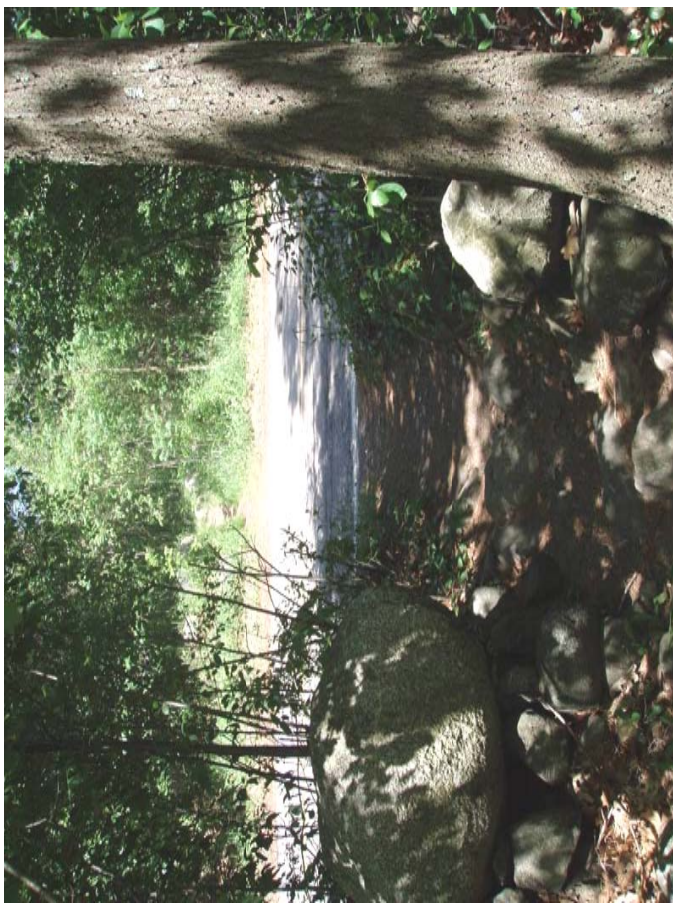
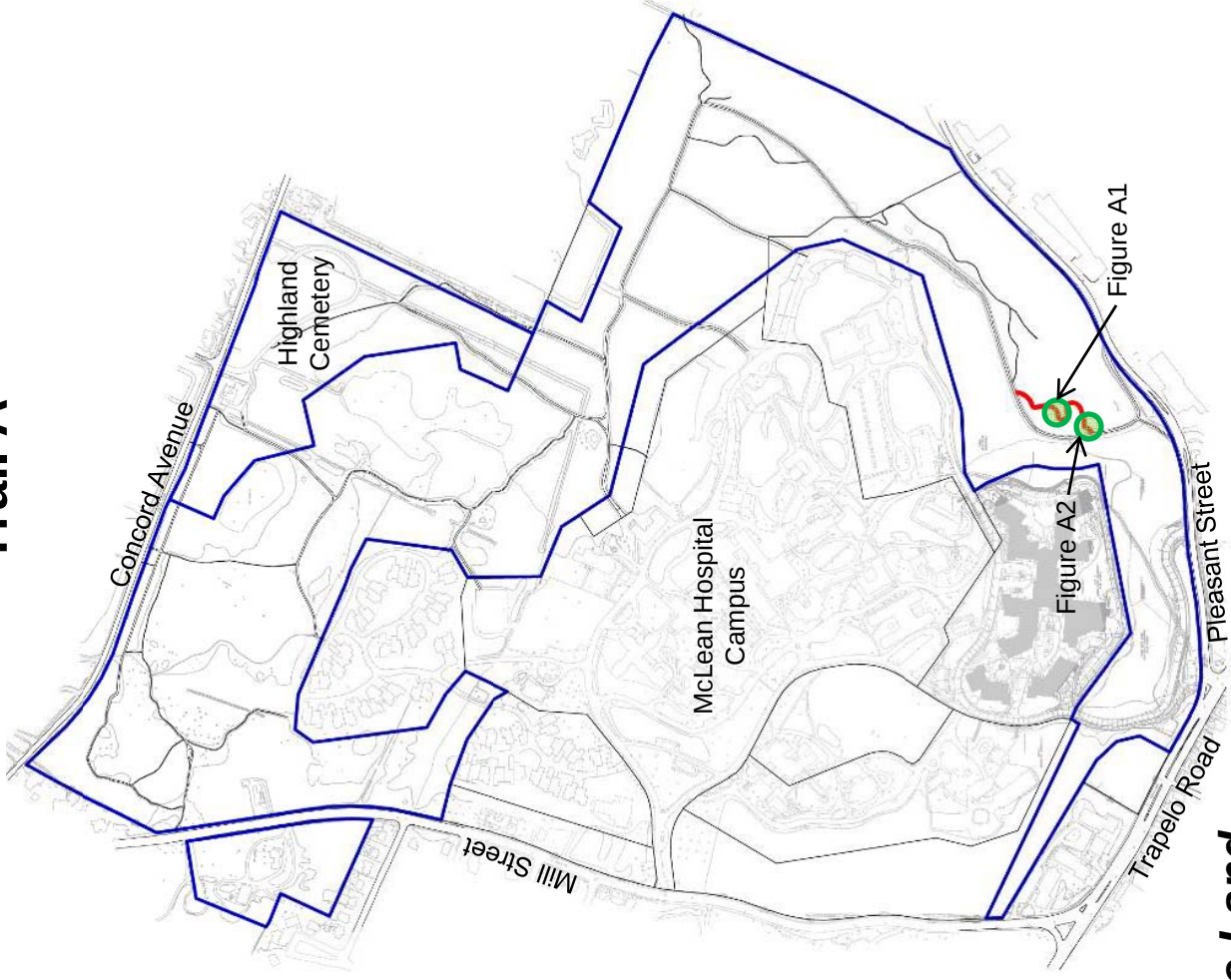


Figure 16b: View of one of the several connector paths to Concord Avenue from Trail 16. This particular connector path leads to the Audobon Habitat trails on the north side of Concord Avenue (Trailhead X). This trail is marked with a small trail marker indicating it is a part of the Western Greenway.

McLean Open Space Land ***Comprehensive Trail System Plan***

Existing Trail System Analysis

Trail A



McLean Open Space Land

Comprehensive Trail System Plan

Existing Trail System Analysis

Trail A



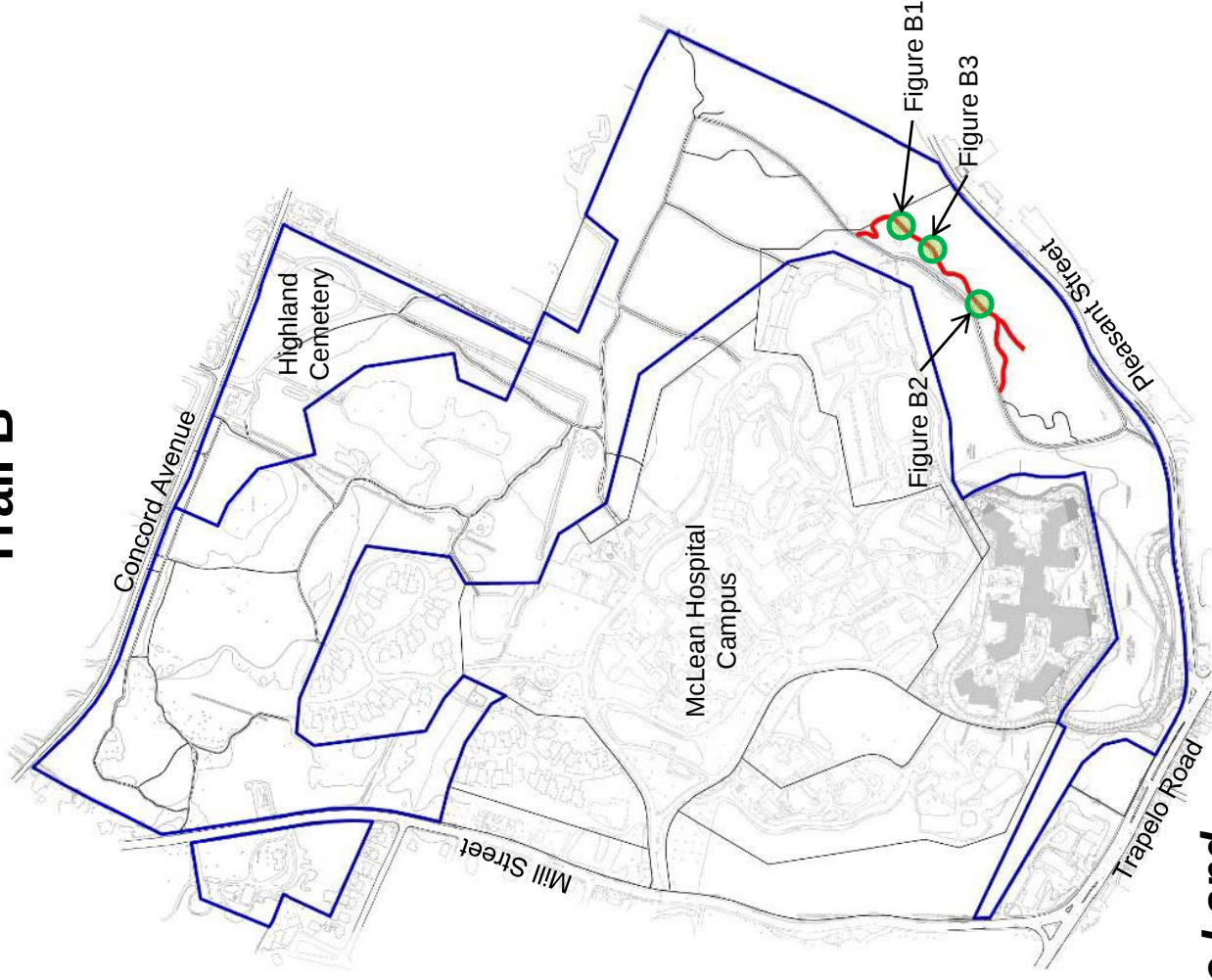
Figure A1: View of Trail A going directly up the fall line of this small hillock. Some minor erosion present. Trail A provides an alternate route to the steeper part of Trail 1.



Figure A2: Section of Trail A near intersection with Trail 1.

Existing Trail System Analysis

Trail B



McLean Open Space Land
Comprehensive Trail System Plan

Existing Trail System Analysis

Trail B



Figure B1: Wet area created by ground water seepage. Notice bike tire rutting in mud. This section of trail is typically wet year around.



Figure B2: View of relatively flat area of Trail B. Like Trail A, Trail B provides a more narrow, alternate route to a portion of Trail 1.



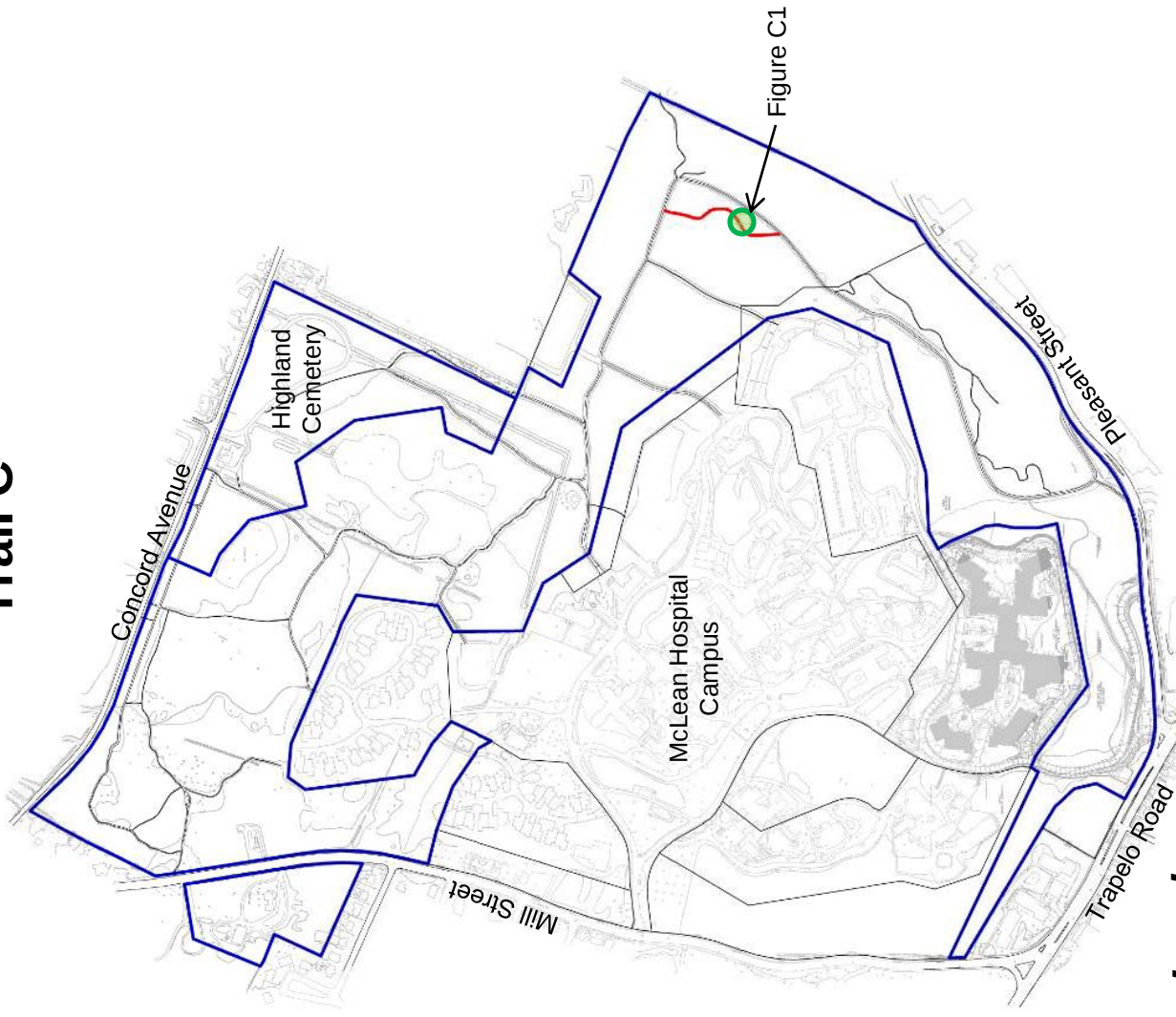
Figure B3: Minor tire rut damage to trail surface in a small seasonally wet area along Trail B.

McLean Open Space Land

Comprehensive Trail System Plan

Existing Trail System Analysis

Trail C



McLean Open Space Land
Comprehensive Trail System Plan

Existing Trail System Analysis

Trail C



Figure C1: Typical view of Trail C that runs through a nicely wooded area. Trail C provides a short and narrow alternate route past a section of Trail 1. It is believed this trail formed as a result of a fallen tree that temporarily blocked a portion of Trail 1.

McLean Open Space Land ***Comprehensive Trail System Plan***

Existing Trail System Analysis

Trail D



McLean Open Space Land
Comprehensive Trail System Plan

Existing Trail System Analysis

Trail D



Figure D1: Steep area along Trail D near intersection with Trail 1. Notice exposed roots and native stone. Trail D provides a connection between Trail 1 and the end of Snake Hill Road.

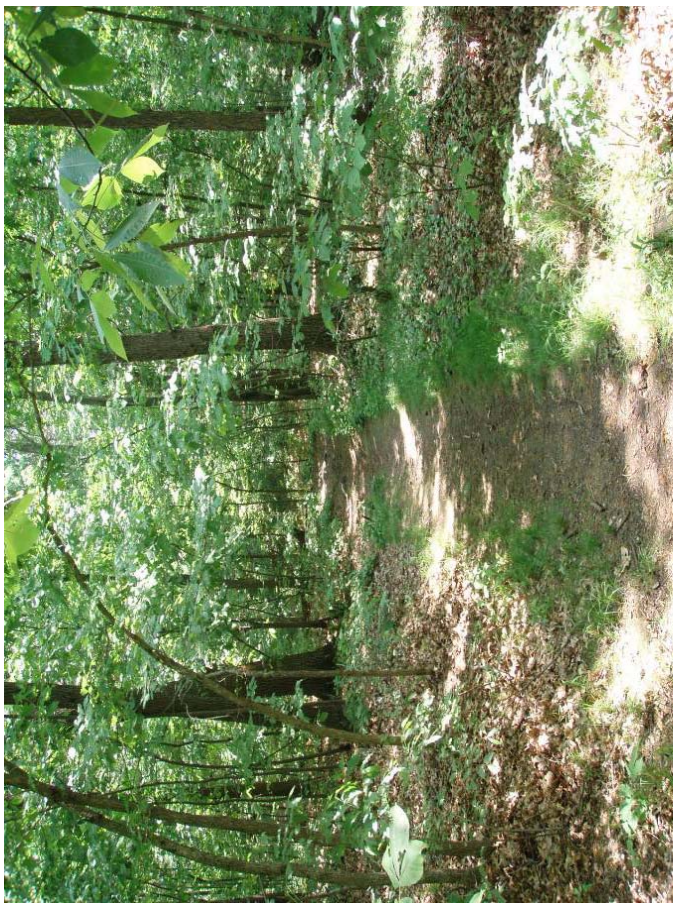


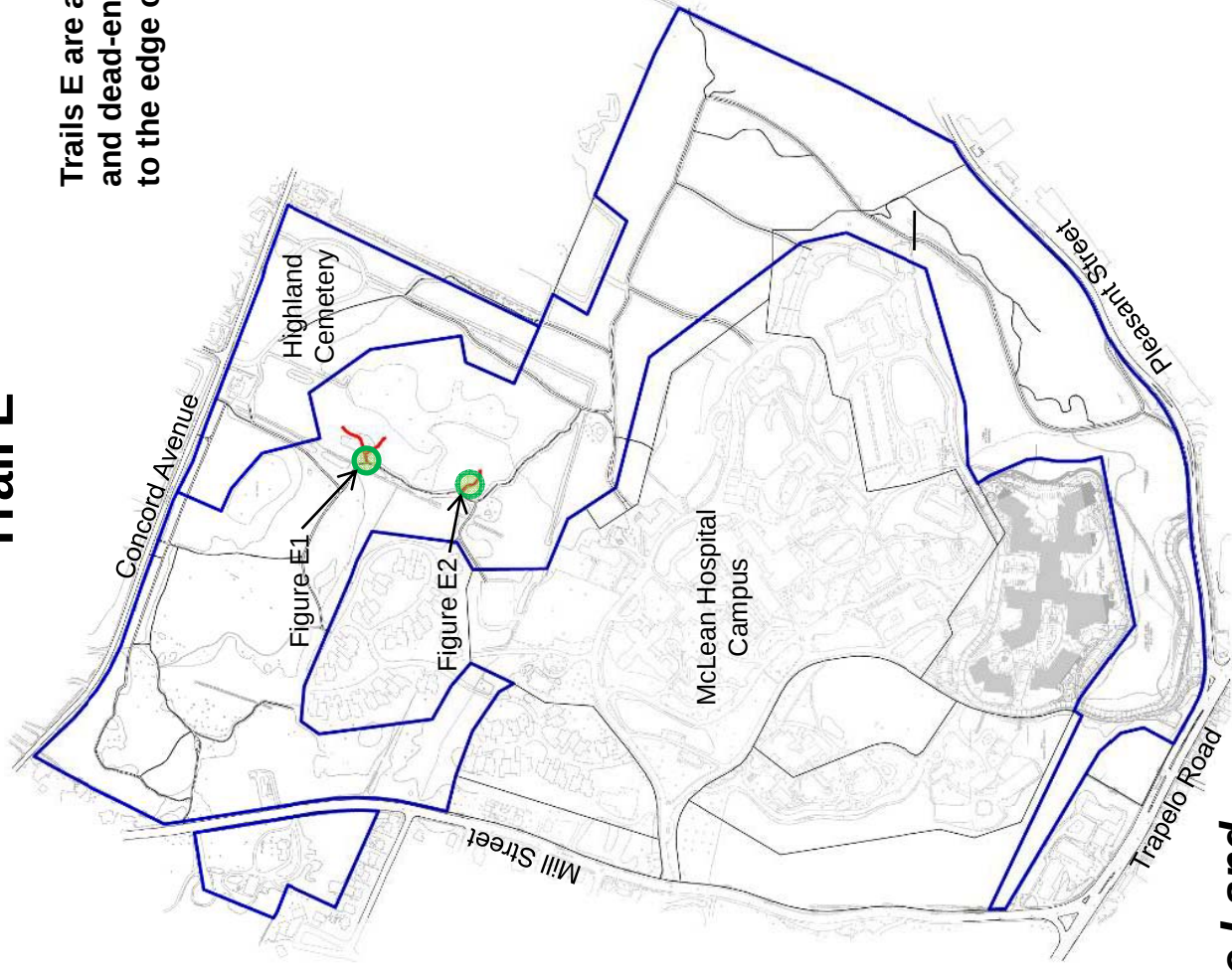
Figure D2: View of relatively flat trail section along eastern end of Trail D

McLean Open Space Land ***Comprehensive Trail System Plan***

Existing Trail System Analysis

Trail E

Trails E are a series of three very short and dead-end trails connecting Trail 8 to the edge of the Red Maple Swamp.



McLean Open Space Land
Comprehensive Trail System Plan

Existing Trail System Analysis

Trails E



Figure E1: View of one of the Trails E going through woods over grass area. Note most of trail is grass covered due the sunlight filtering through the trees.



Figure E2: View of one of the Trails E going through a densely wooded area.

McLean Open Space Land ***Comprehensive Trail System Plan***

Existing Trail System Analysis

Trail F

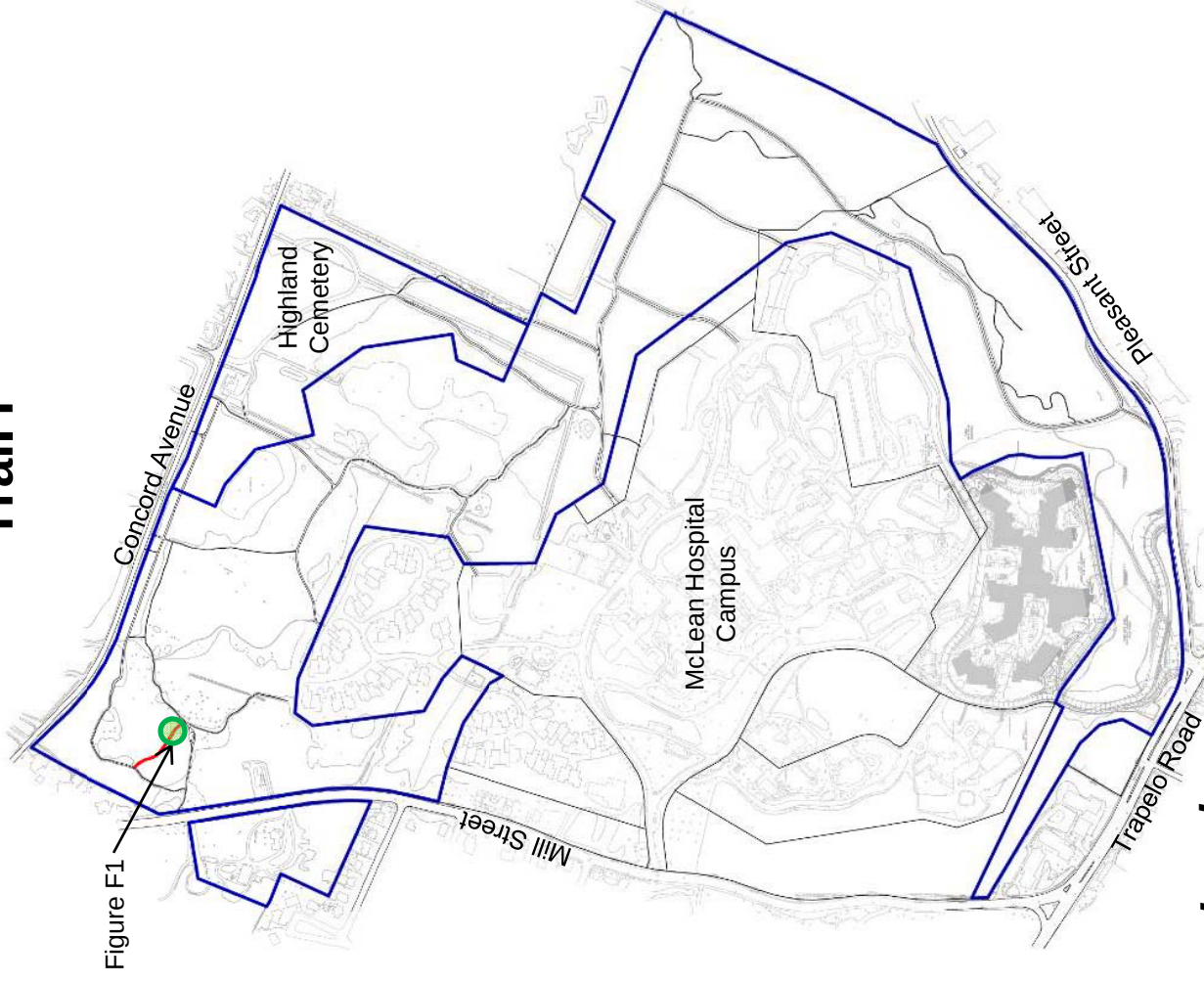


Figure F1

McLean Open Space Land

Comprehensive Trail System Analysis and Implementation Plan

Existing Trail System Analysis

Trail F



Figure F1: View of Trail F as it runs through the red pine forest. Trail F connects Trails 13 and 15 and provides an alternate and less steep route to and from Mill Street.

McLean Open Space Land ***Comprehensive Trail System Plan***