

Montgomery County Outdoor Classroom Conceptual Master Plan



Prepared by the Community Design Assistance Center (CDAC), an outreach center in the College of Architecture and Urban Studies at Virginia Tech

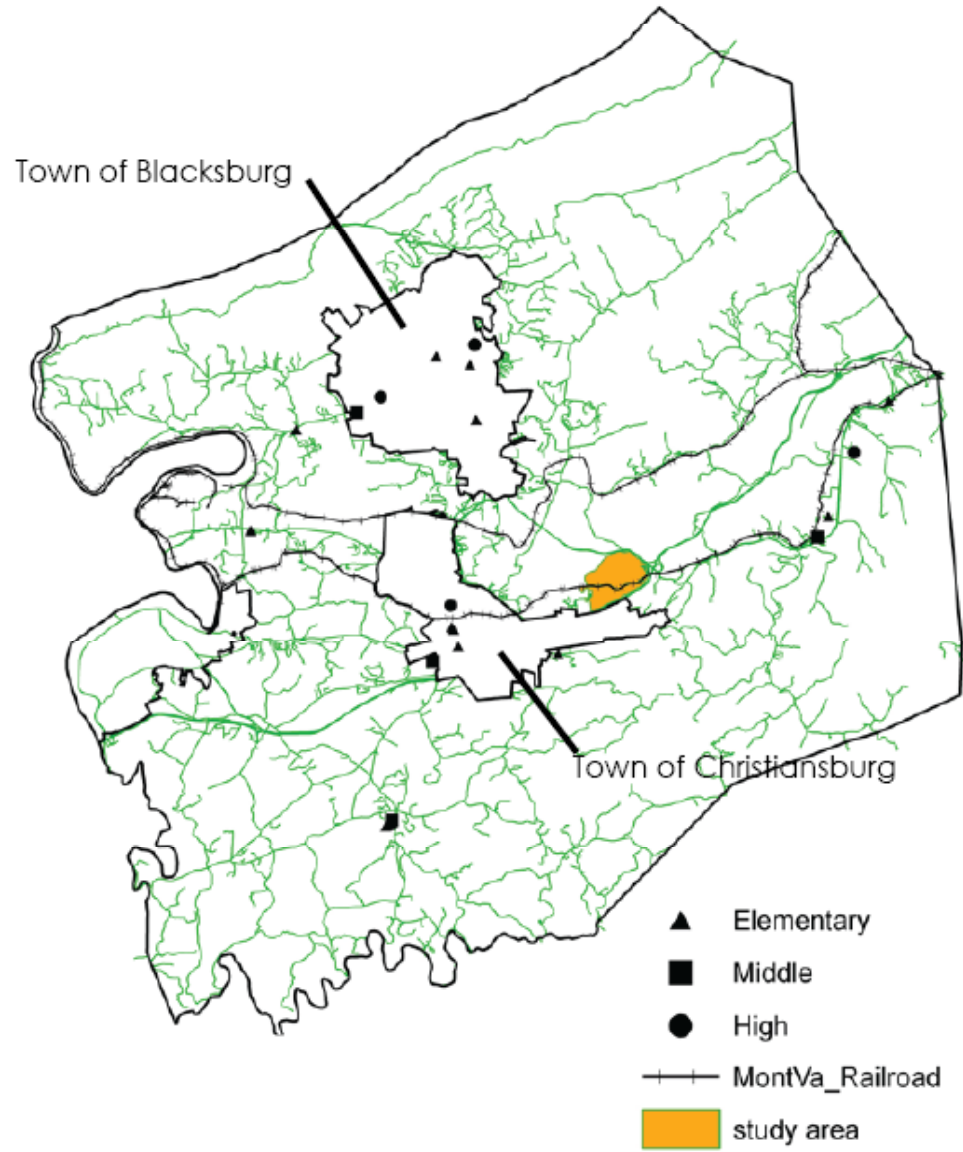
cd community design
ac assistance center

College of Architecture and Urban Studies
Virginia Polytechnic Institute and State University

The site's central location in the county as well as its existing resources and opportunities make it an excellent site for watershed education. Here county teachers can engage their students in hands-on learning opportunities and instill a love of and appreciation for the natural environment, through direct interaction with watersheds and fish/fishing. Areas of study that could be addressed on the site include:

- Watersheds
- Water quality
- Plant identification
- Weather
- Geology
- Soils
- Robotics
- Geochaching

Distribution of Montgomery Public Schools





1 Izaak Walton League Building



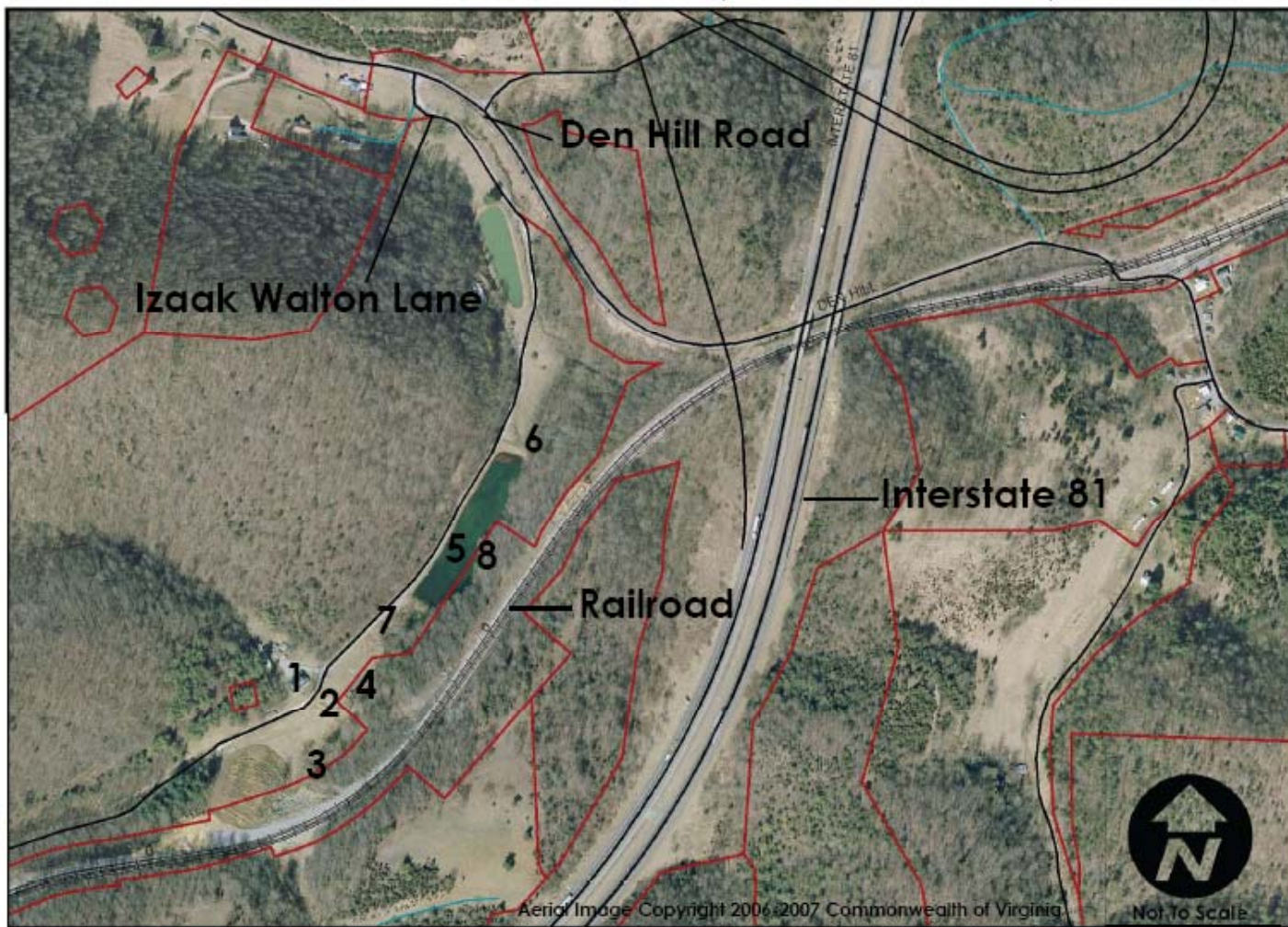
2 Shelter and Open Field



3 Spring



4 Fishery



5 Pond



6 Stream

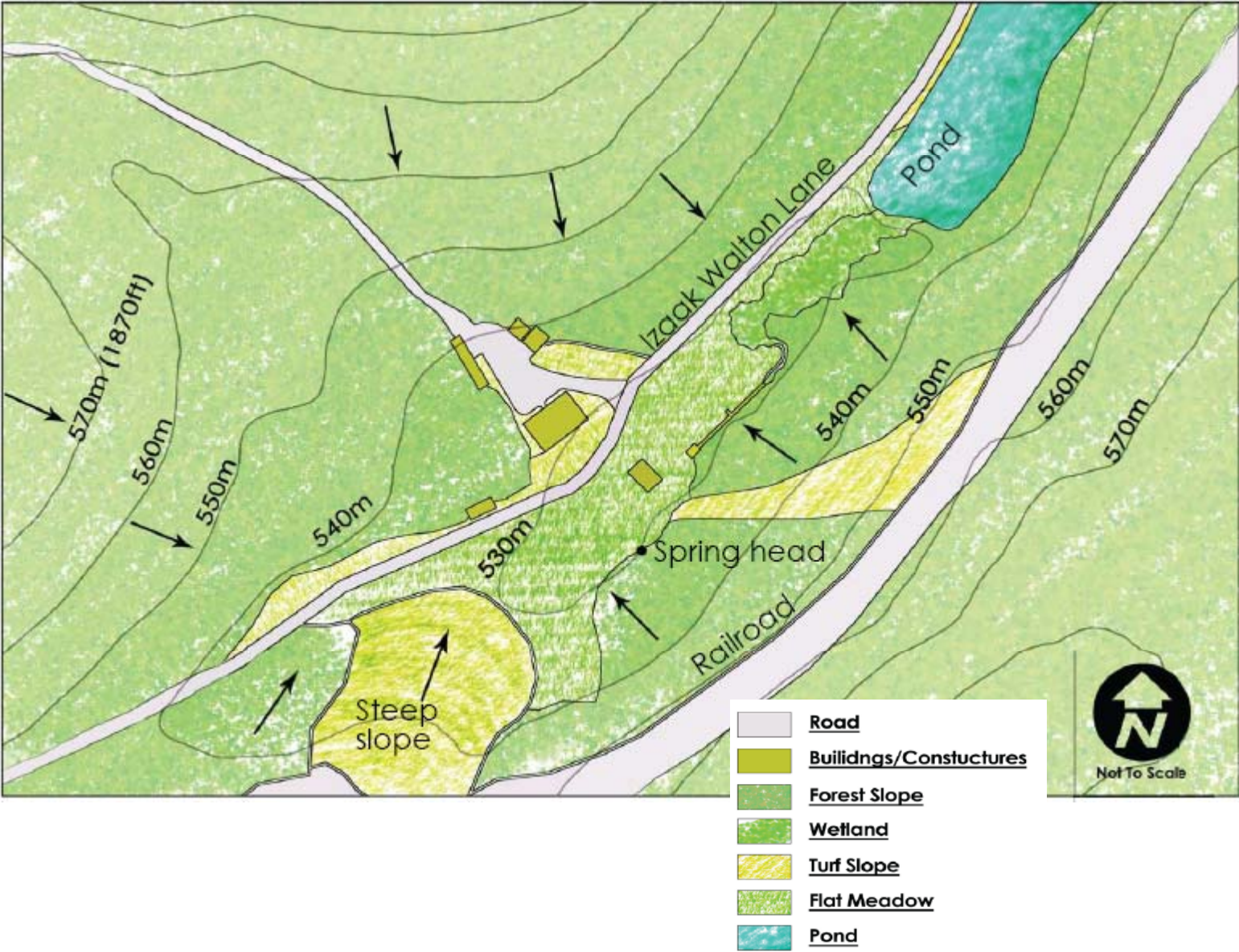


7 Wetland

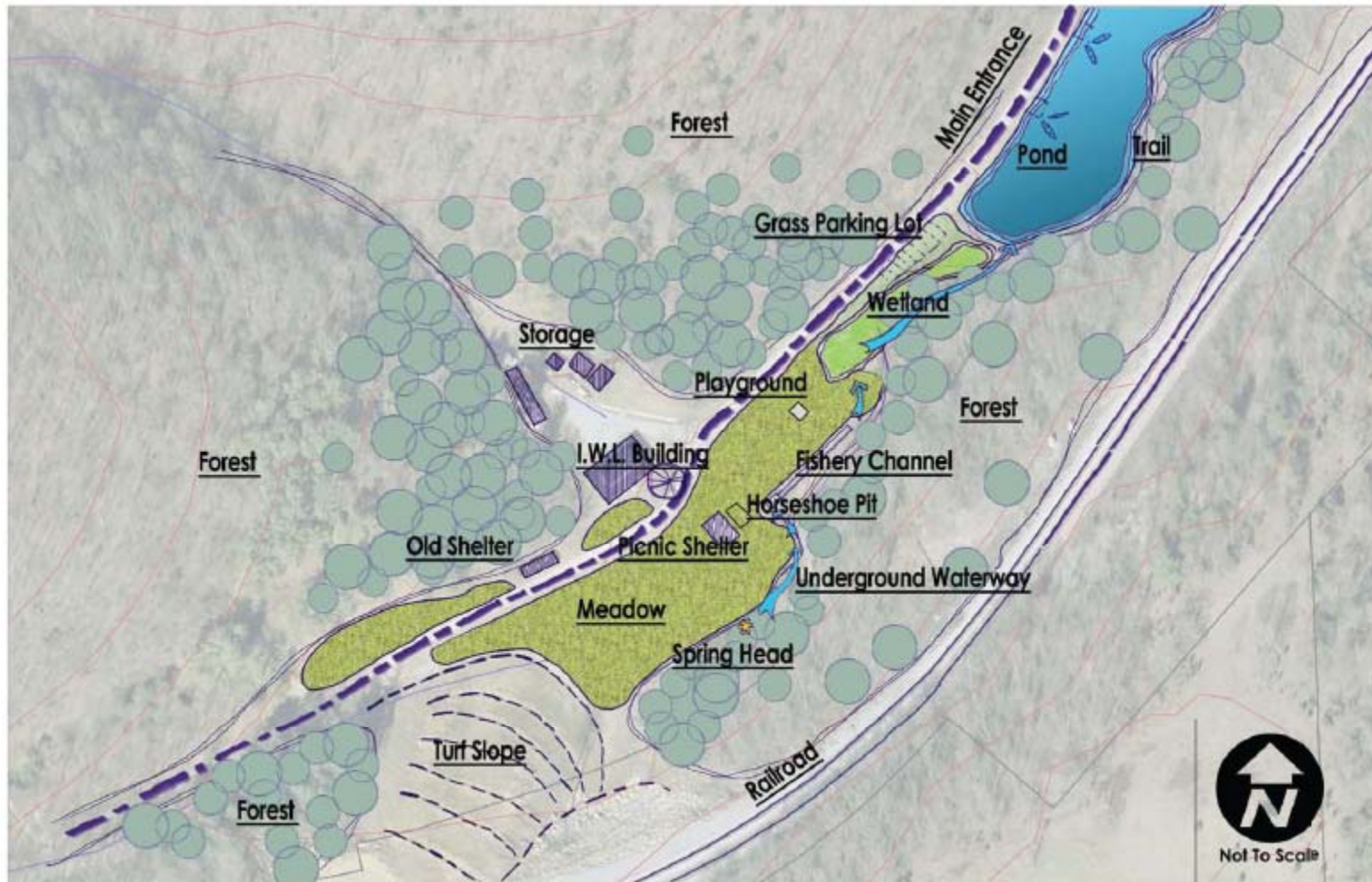


8 Trail

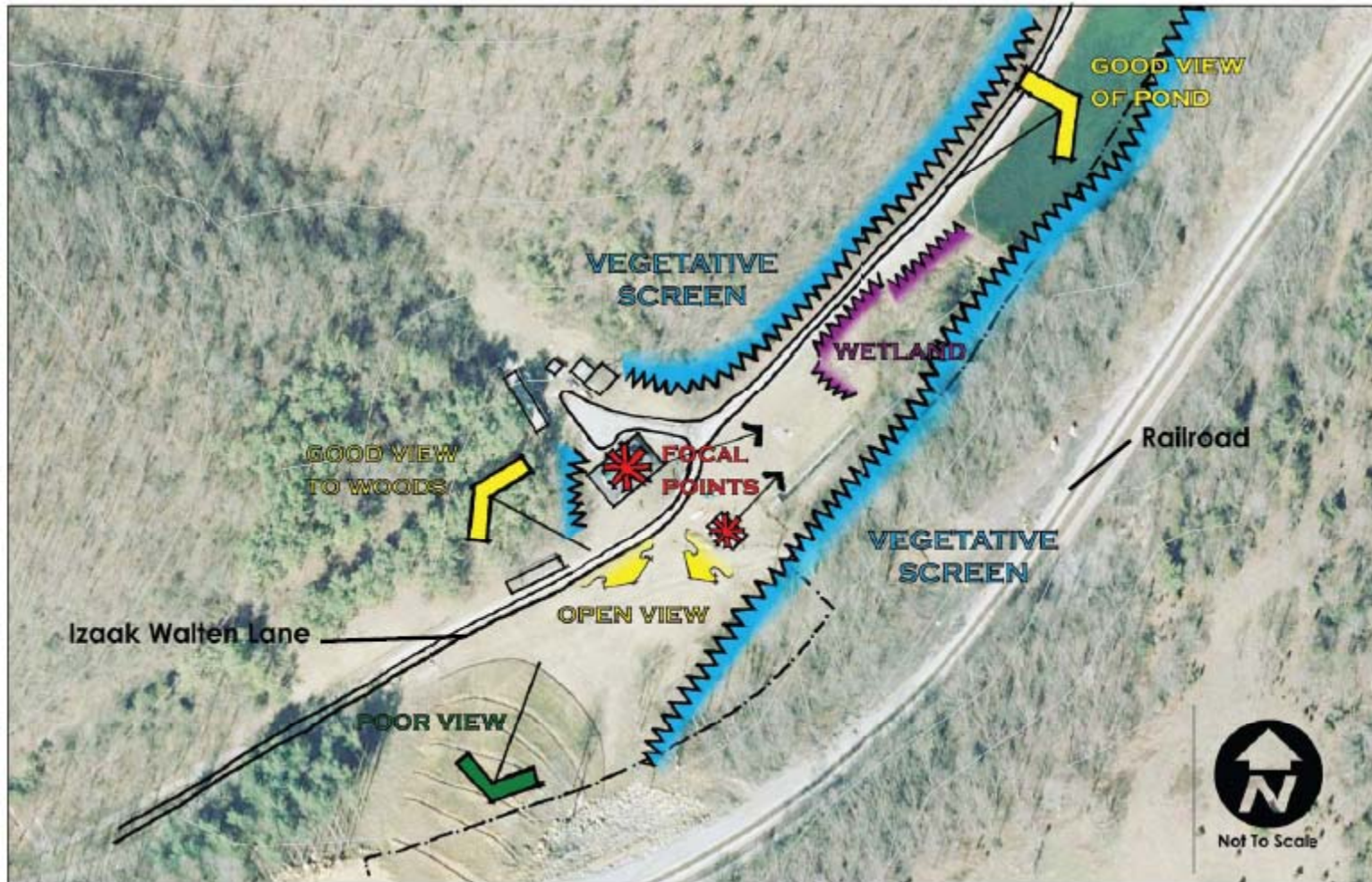
Site Topography and Drainage



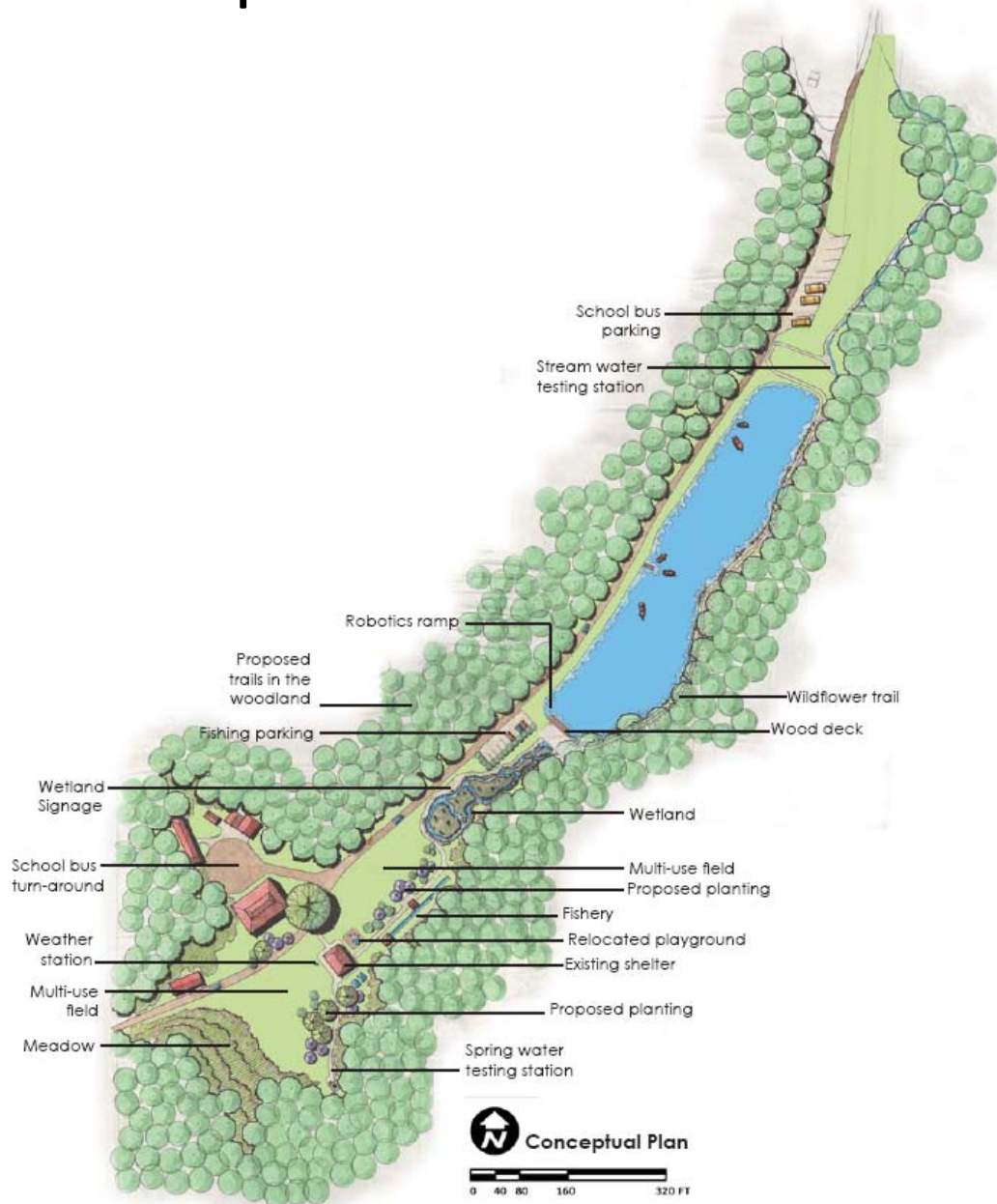
Existing Site Features



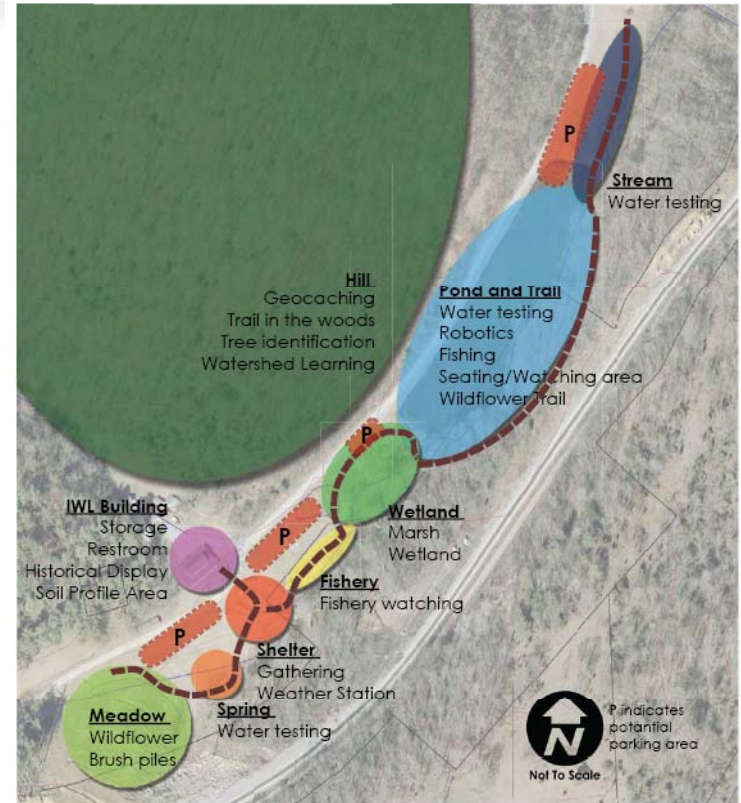
Visual Opportunities and Constraints



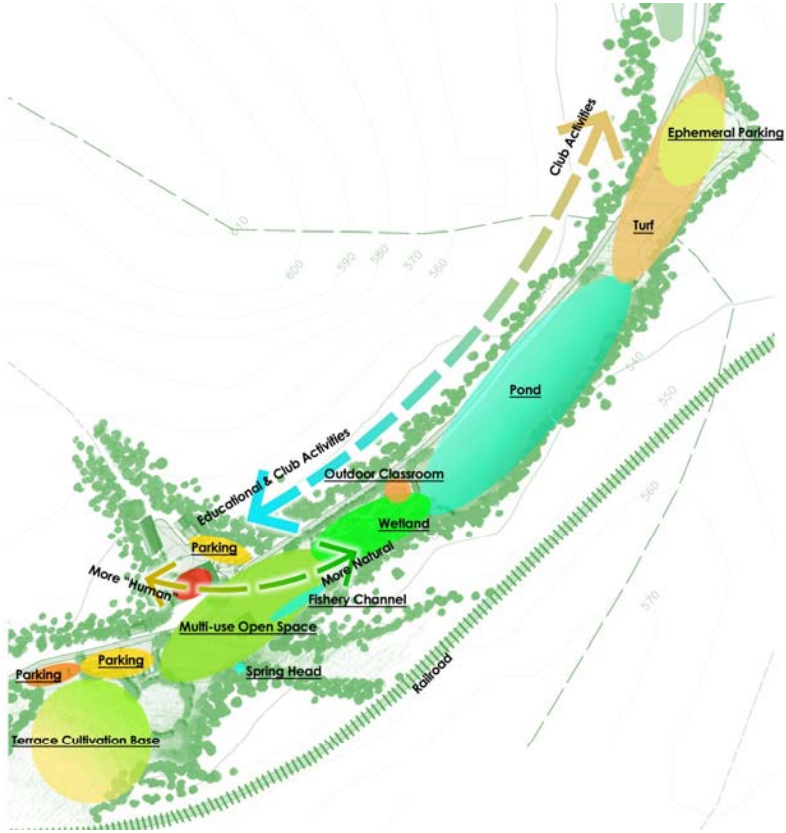
Conceptual Alternative A



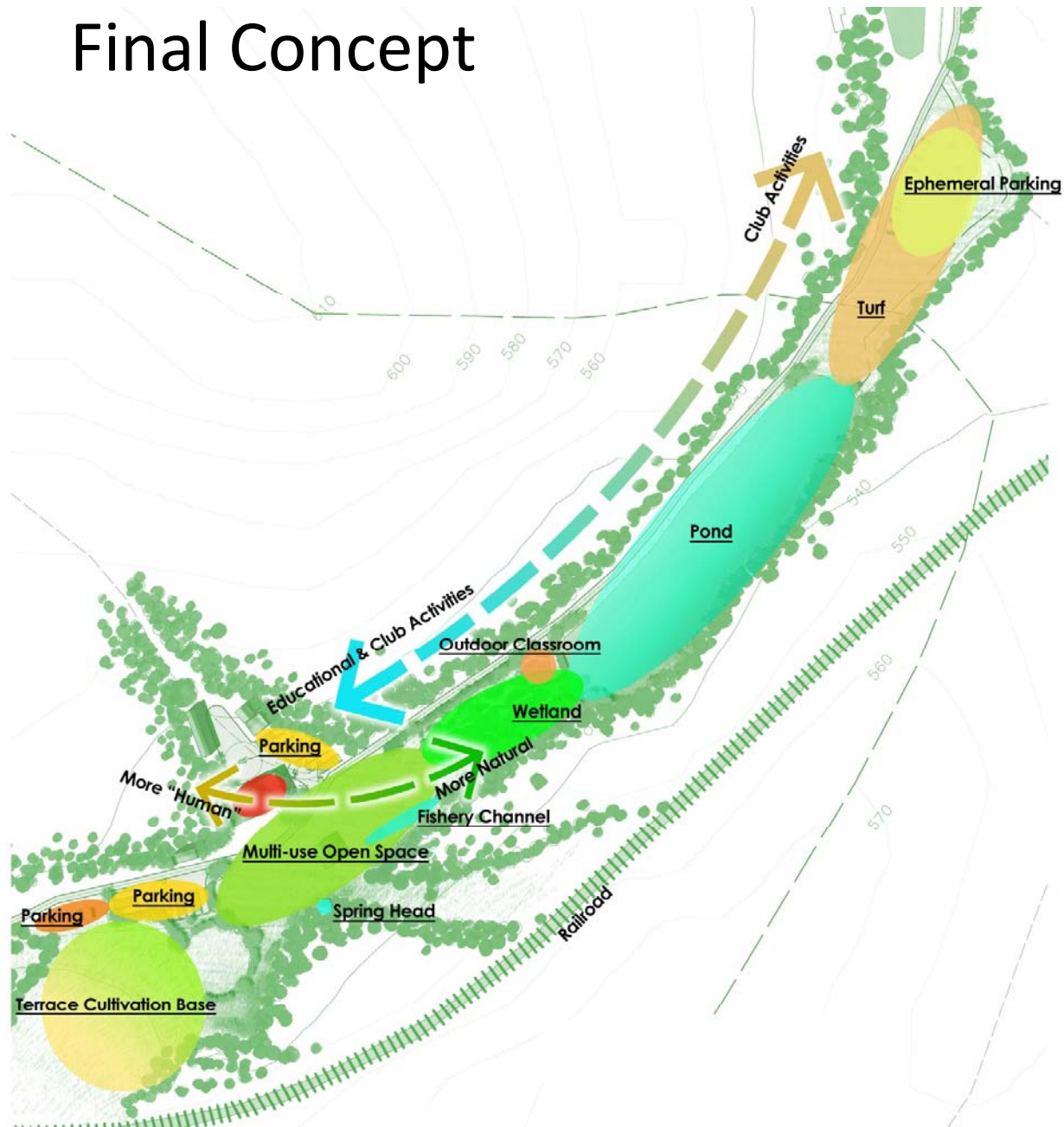
Concept Diagram with Activities Zones



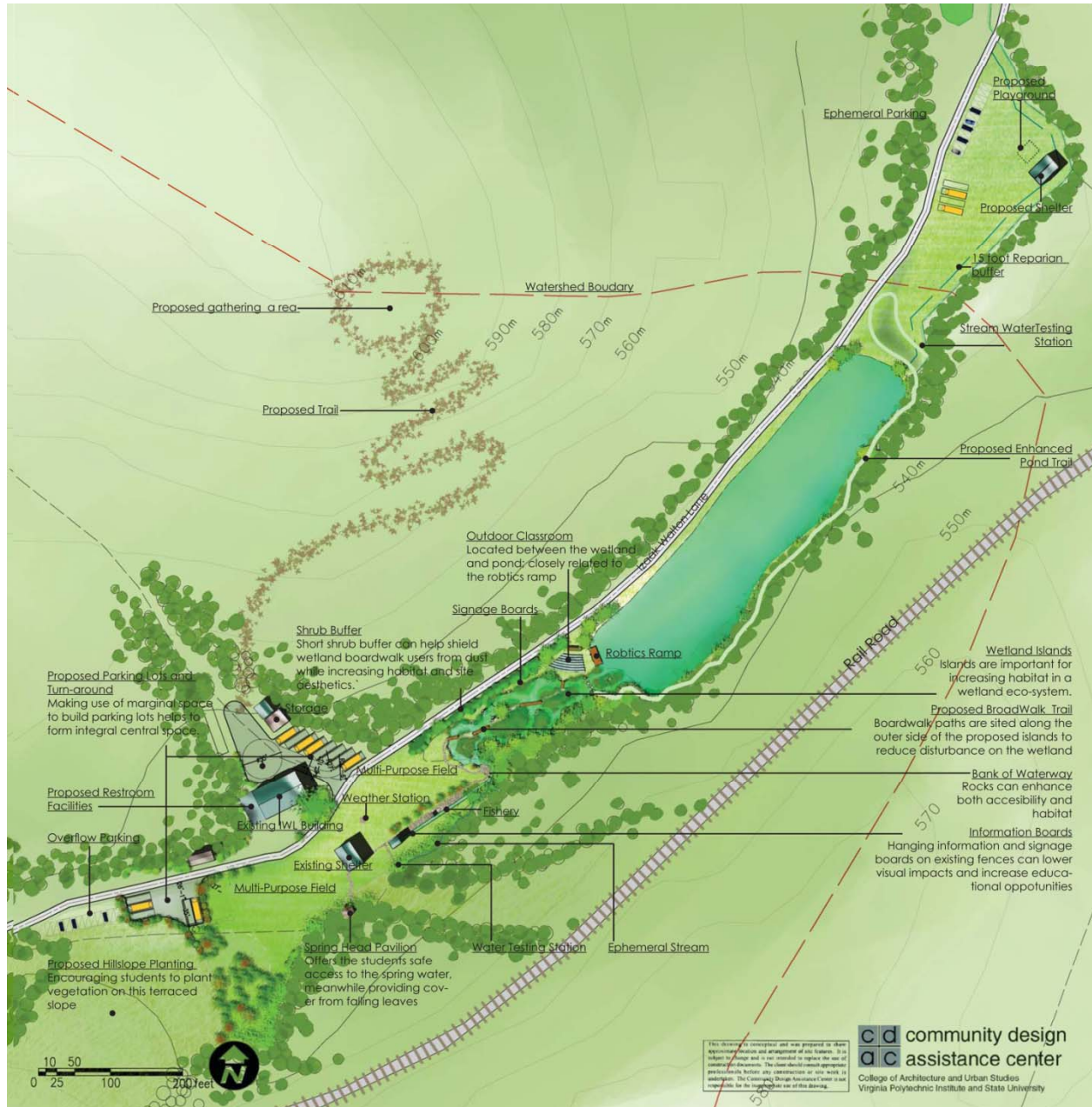
Conceptual Alternative B

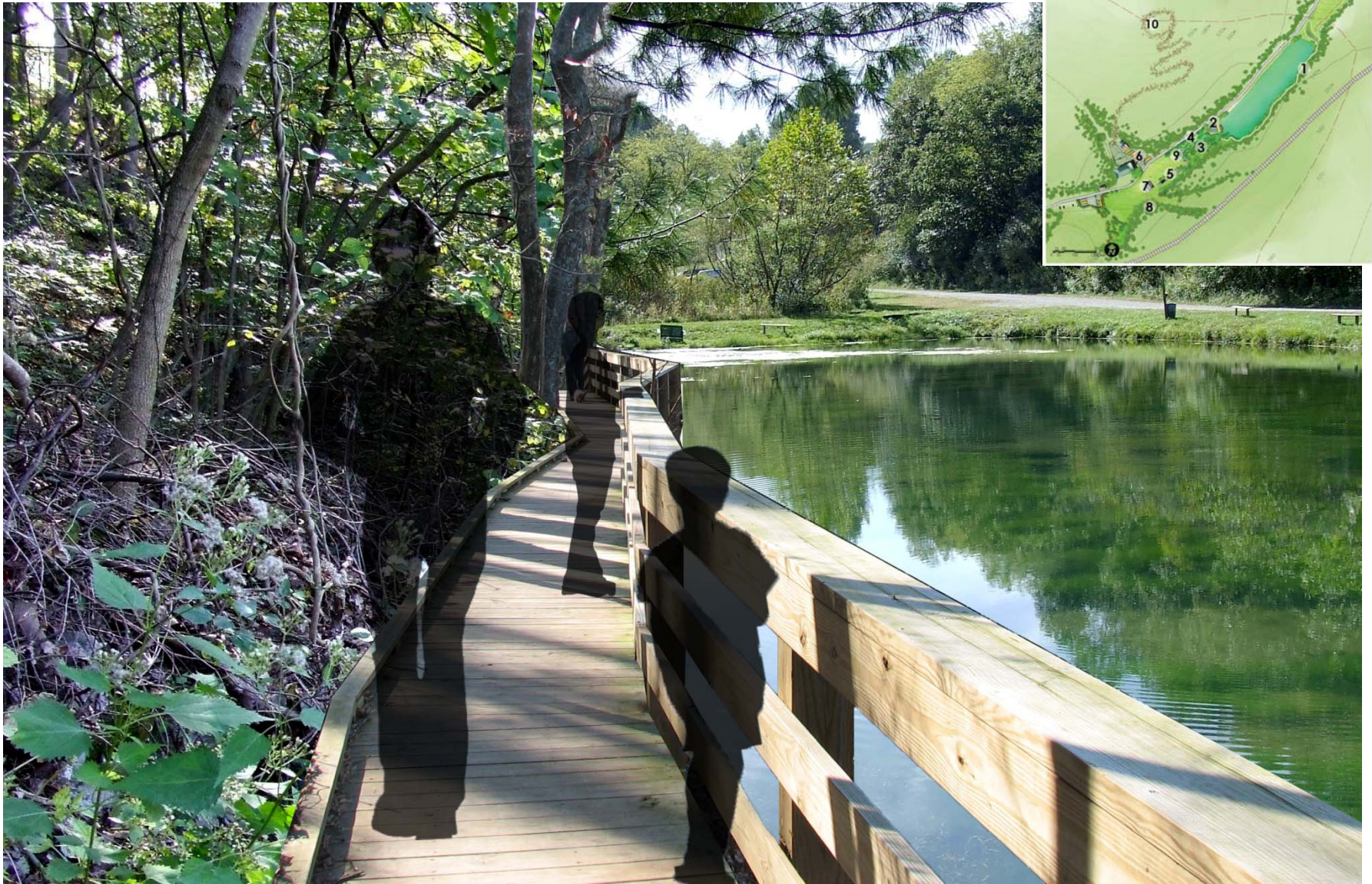


Final Concept



Final Conceptual Master Plan





1. Proposed Boardwalk Enhancements to the Pond Trail



2. Proposed Amphitheater



3. Proposed Wetland Boardwalk



4. Proposed Wetland Signage Example



5. Proposed Informational Boards



6. Proposed Bus Parking



7. Existing Shelter



8. Proposed Springhead Access Structure



9. Potential Water Testing Station



10. Proposed Hillslope Gathering Area