

3 Character Imagery

Pedestrian Bridge

Site and Park Materials

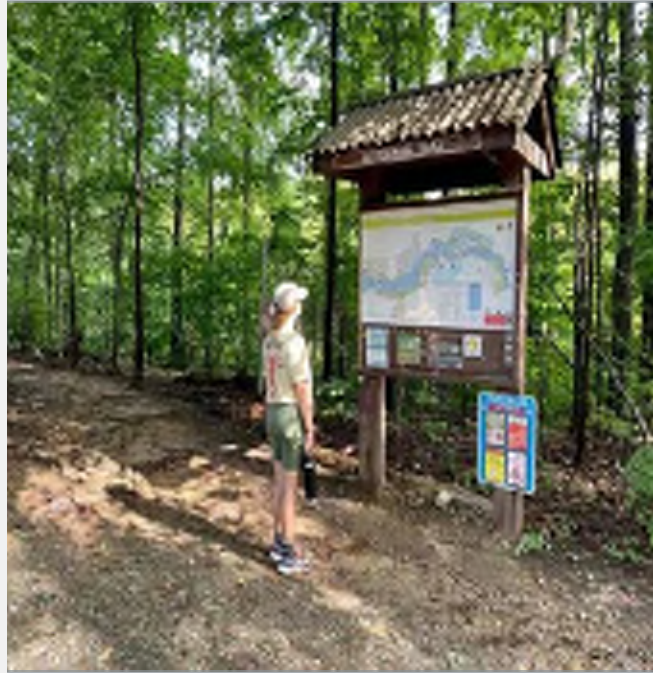
Plant Palette

Pedestrian Bridge



Site Materials

Trail head Signage



Bench



Trash Can with Lid



Dog Waste Receptacle



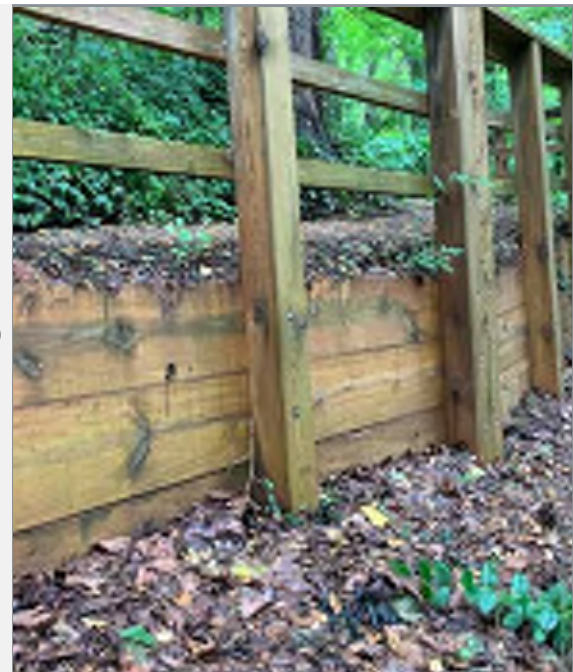
Asphalt Trail



Timber Retaining Wall



Timber Retaining Wall with Rails



Stone Retaining Wall



Native Plant Palette

Cercis canadensis



Cornus florida



Hamelmelis virginiana



Ostrya virginiana



Quercus rubra



Liriodendron tulipifera



Liquidambar styraciflua



Quercus alba



4 **Planting and Maintenance**

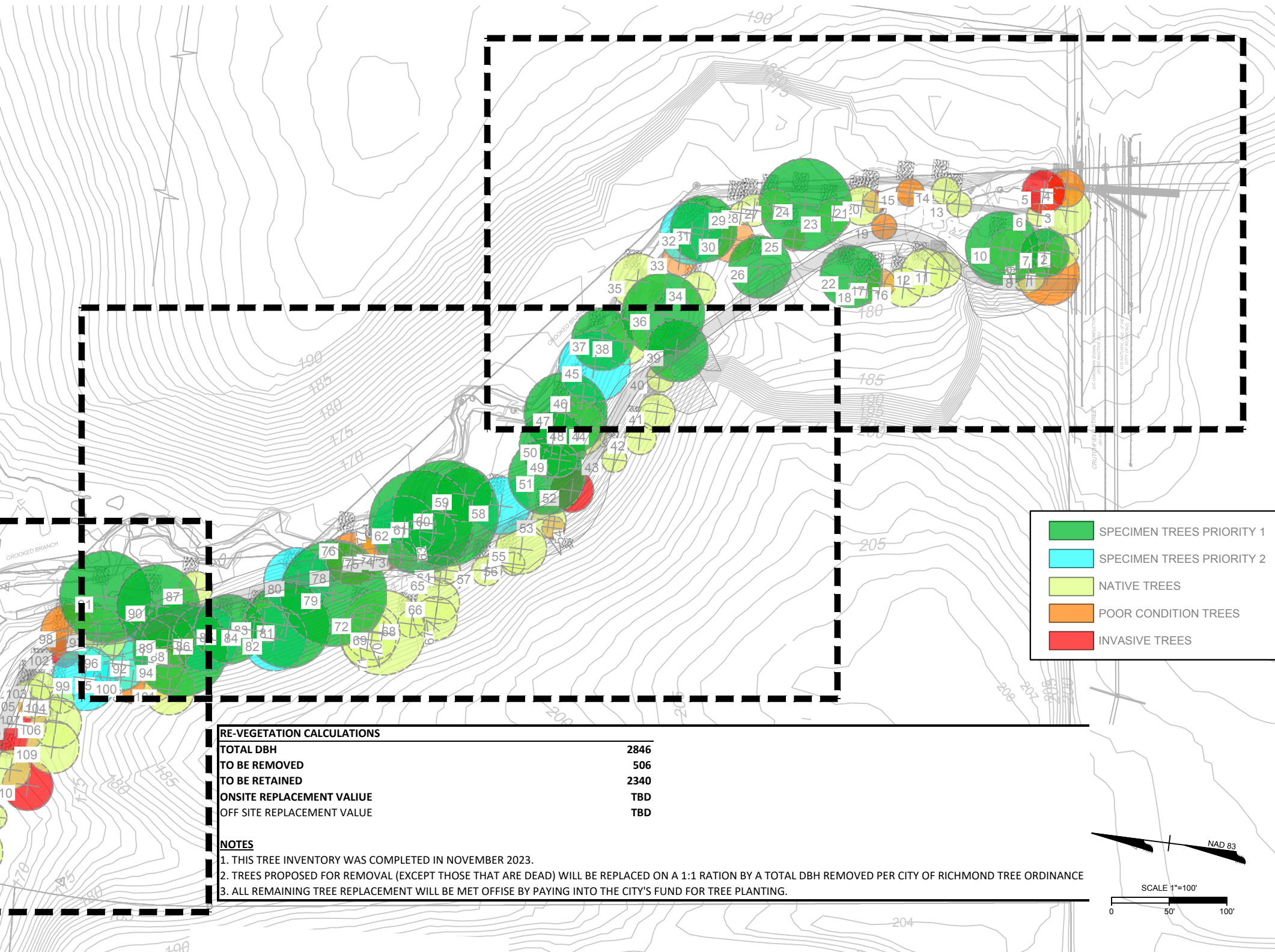
Re-Vegetation Table and Calculations

Maintenance Plan

Project Schedule

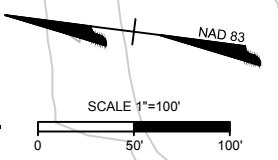
Re-Vegetation Table and Calculations

Estimation of Trees to Be Removed				
ID	Botanical Name	Common Name	Condition	DBH
1	Liquidambar styraciflua	Sweetgum	Poor	27
8	Quercus rubra	Red Oak	Good	15
11	Quercus rubra	Red Oak	Good	16
19	Acer rubrum	Red Maple	Poor	11
39	Quercus alba	White Oak	Good	27
40	Quercus rubra	Red Oak	Fair	12
44	Quercus rubra	Red Oak	Fair	11
52	Ailanthus altissima	Tree of Heaven	Fair	19
53	Fagus grandifolia	American Beech	Good	15
54	Ailanthus altissima	Tree of Heaven	Fair	10
64	Tilia americana	American Basswood	Excellent	12
65	Tilia americana	American Basswood	Good	19
73	Quercus rubra	Red Oak	Fair	12
74	Ailanthus altissima	Tree of Heaven	Poor	13
75	Quercus phellos	Willow Oak	Fair	17
78	Liriodendron tulipifera	Tulip Poplar	Good	26
79	Liriodendron tulipifera	Tulip Poplar	Good	46
80	Liquidambar styraciflua	Sweetgum	Fair	29
88	Liriodendron tulipifera	Tulip Poplar	Good	41
90	Liquidambar styraciflua	Sweetgum	Fair	36
97	Liquidambar styraciflua	Sweetgum	Fair	24
98	Liquidambar styraciflua	Sweetgum	Poor	24
103	Liquidambar styraciflua	Sweetgum	Good	12
117	Quercus rubra	Red Oak	Fair	15
120	Quercus rubra	Red Oak	Good	16
128	Liriodendron tulipifera	Tulip Poplar	Fair	41
133	Celtis occidentalis	Hackberry	Good	15



RE-VEGETATION CALCULATIONS	
TOTAL DBH	2846
TO BE REMOVED	506
TO BE RETAINED	2340
ONSITE REPLACEMENT VALUE	TBD
OFF SITE REPLACEMENT VALUE	TBD

- NOTES**
1. THIS TREE INVENTORY WAS COMPLETED IN NOVEMBER 2023.
 2. TREES PROPOSED FOR REMOVAL (EXCEPT THOSE THAT ARE DEAD) WILL BE REPLACED ON A 1:1 RATION BY A TOTAL DBH REMOVED PER CITY OF RICHMOND TREE ORDINANCE
 3. ALL REMAINING TREE REPLACEMENT WILL BE MET OFFSITE BY PAYING INTO THE CITY'S FUND FOR TREE PLANTING.



Phase 1 Maintenance Plan

Landscape Maintenance

- Due to the disturbance of the site, erosion control measures will be integrated into the landscape plan. A mix of cover crops and native groundcovers will be planted where the ground has been disturbed, and watering for the first year will be required to establish them successfully.

Trail Maintenance

- The anticipated maintenance requirements for the interim trail condition, crushed stone aggregate, is periodic or quarterly surface re-grading and compaction from environmental conditions and frequency of users, with annual or every two-years full surface replacement.
- The proposed ultimate condition, asphalt paved surface, would expect to require annual maintenance to replace sections of the trail from minor potholes to full-width section replacement.

Bridge Maintenance

- The bridge must be added to the Department's bridge safety inspection program. Per statewide and federal regulations, it must be inspected at least once every two years.
- The channel slope protection shall be evaluated for damage following major storm events.
- Aside from regular asphalt maintenance, no preventative maintenance is anticipated for the bridge.

Project Schedule

