

### EXISTING LEGEND

<ul style="list-style-type: none"> <li>STORM MANHOLE</li> <li>DOWNSPOUT</li> <li>SURFACE DRAIN</li> <li>GROUND SHOT</li> <li>SEWER CLEANOUT</li> <li>SANITARY MANHOLE</li> <li>GAS METER</li> <li>GAS VALVE</li> <li>WOOD UTILITY POLE</li> <li>GUY WIRE ANCHOR</li> <li>WOOD GUY POLE</li> <li>METAL LIGHT POLE</li> <li>FENCE POST</li> <li>LIGHT FIXTURE</li> <li>AIR CONDITIONER</li> <li>DAYLIGHT INVERT</li> <li>ELECTRIC MANHOLE</li> </ul>	<ul style="list-style-type: none"> <li>STONE MONUMENT</li> <li>IRON PIPE FOUND</li> <li>IRON PIPE SET</li> <li>HANDICAP PARKING SPACE</li> <li>TREE SYMBOL, NAME &amp; SIZE</li> <li>WATER MANHOLE</li> <li>WATER VALVE</li> <li>WATER METER</li> <li>FIRE HYDRANT</li> <li>WATER SPIGOT</li> <li>RUBBISH BIN</li> <li>ELECTRIC METER</li> </ul>
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<ul style="list-style-type: none"> <li>STONE WALK</li> <li>BRICK LEAD WALK</li> <li>CONCRETE SURFACE</li> <li>WOOD DECK</li> <li>TIMBER RETAINING WALL</li> <li>STONE, BRICK, MASONRY OR CONCRETE WALL</li> <li>UNDERGROUND GAS LINE (V.I.F.)</li> <li>UNDERGROUND STORM DRAIN LINE (V.I.F.)</li> <li>OVERHEAD WIRES</li> <li>WOOD FENCE</li> <li>CHAIN LINK FENCE</li> <li>GUARD RAIL</li> <li>UNDERGROUND WATER LINE (V.I.F.)</li> <li>UNDERGROUND SEWER LINE (V.I.F.)</li> </ul>	<ul style="list-style-type: none"> <li>V.I.F. = VERIFY IN FIELD</li> </ul>
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### TREE IMPACT SYMBOLS

(no symbol) = Not within 100' buffer from LOD

- ✓ <30% impact: No issue
- S Save
- M\* Mitigate
- X Planned removal

### LEGEND

- Limit of Disturbance (LOD)
- 100' buffer around LOD
- Property boundaries
- Forest stand boundary
- Tree canopy boundary
- Floodplain (M-NCPPC)
- Large (24-29") Tree
- Specimen (30"+) Tree
- CRZ (1.5' rad. per 1" DBH)
- Stream thalweg
- Stream bank
- Stream buffer
- Existing Major Contour
- Existing Minor Contour
- Proposed Major Contour
- Proposed Minor Contour
- Silt Fence / Super Silt Fence / Filter Log
- Erosion Control Matting
- Mulch Access Road
- Heavy Duty Mulch Access Road
- Tree Protection Fence
- Trunk Protection
- Tree Root Pruning Line
- Special Tree Protection Areas
- SWM Easements

**NOTES**

- See Sheets FCP 03, 04, 05, and 06 for relevant information.

### Impacts to Large/Specimen Trees, Trees to Remain

Tree ID	DBH, in.	Percent impact	Impact code	Plan	Species	Common Name	Condition	Tile # in NRI-FSD
SP-207	34	27%	S	S: Trunk protection, air spade excavation, hand prune roots, structural soil backfill and drainage accommodation, aeration/ventilation as necessary	Juglans nigra	Black walnut	Good	8
LG-210	26	3%	C		Liriodendron tulipifera	Tuliptree	Good	7
LG-211	25	29%	S	S: Prune, feed, water	Juglans nigra	Black walnut	Good	7

Note: "Percent Impact" indicates the percentage of the critical root zone (CRZ) is within the limit of disturbance (LOD). It does not indicate the extent of real impact, such as compression or cut in the CRZ.

### Tree Save Plan

**Tree SP-207**  
Tree SP-207 is a 34" DBH black walnut (*Juglans nigra*) in good condition with 27% CRZ impacts due to grading in the LOD. The tree is located outside the LOD but root pruning should be conducted along a portion of the access drive lane impacting approximately 13% of the CRZ. The remaining impacts to the CRZ are associated with minor cut or fill.

**Tree LG-210**  
Tree LG-210 is a 26" DBH yellow poplar (*Liriodendron tulipifera*) in good condition with 3% CRZ impacts due to minor grading in LOD. The tree is located outside the LOD.

**Tree LG-211**  
Tree LG-211 is a 25" DBH black walnut (*Juglans nigra*) in good condition with 29% CRZ impact due to grading for the parking lot. Tree roots should be pruned at the edge of the proposed parking lot prior to construction. The tree is located outside the LOD however tree protection planning should be installed prior construction to prevent any damage to the trunk during construction activities.

SP-208 and SP-209 were regarded as trees requiring mitigation planting, and that plan has been covered previously in FCP SC2020007.

### Trees North/Northeast of Proposed Parking with LOD-CRZ Overlap

Tree ID	DBH, in.	Percent impact	Impact code	Species	Common Name	Condition
NE-004	15	8%	Minor fill	<i>Juglans nigra</i>	Black walnut	Good
NE-006	9	3%	Minor fill	<i>Cryptomeria japonica</i>	Japanese cedar	Good
NE-008	10	19%	Minor fill	<i>Juglans nigra</i>	Black walnut	Good
NE-009	10	31%	Minor fill	<i>Malus spp.</i>	Crab apple	Fair
NE-010	15	15%	Minor fill	<i>Juglans nigra</i>	Black walnut	Good
NE-011	13	10%	Minor fill	<i>Cryptomeria japonica</i>	Japanese cedar	Good
NE-012	10	37%	Minor fill	<i>Cryptomeria japonica</i>	Japanese cedar	Good
NE-013	15	29%	Minor fill	<i>Cryptomeria japonica</i>	Japanese cedar	Good
NE-014	13	11%	Minor fill	<i>Cryptomeria japonica</i>	Japanese cedar	Good
NE-015	8	30%	Minor fill	<i>Cryptomeria japonica</i>	Japanese cedar	Good
NE-016	14	36%	Minor fill, 2.5% in excavation	<i>Quercus palustris</i>	Pin oak	Good
NE-017	13	10%	Minor fill	<i>Cryptomeria japonica</i>	Japanese cedar	Good
NE-018	10	29%	Minor fill	<i>Cryptomeria japonica</i>	Japanese cedar	Good

### DEVELOPER'S CERTIFICATE

The undersigned agrees to execute all the features of Approved Final Forest Conservation Plan No. SC2020007, including financial bonding, forest planting, maintenance, and all other applicable agreements.

Developer's Name: Audubon Naturalist Society  
Printed Company Name

Contact Person or Owner: Alison Pearce  
Printed Name

Address: 8940 Jones Mill Rd.  
Chevy Chase, MD 20815

Phone and Email: 301-652-9188; alison.pearce@anshome.org

Signature: *Alison Pearce*

Qualified Professional:  
Bryan T. Seipp, Professional Forester  
QP No.: 670

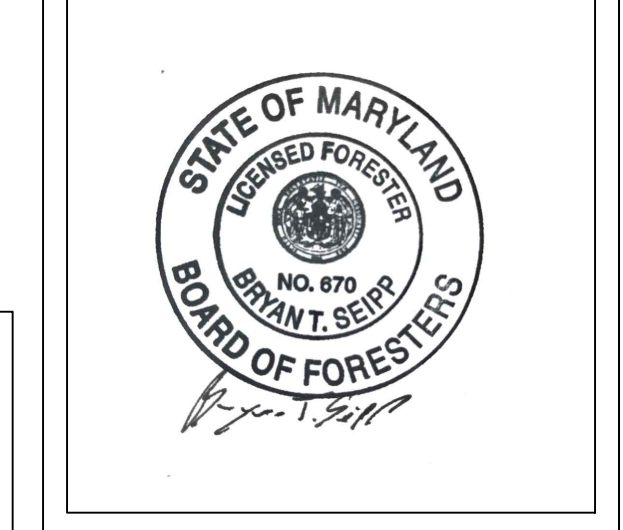
**PROJECT LOCATION:**  
8940 Jones Mill Rd  
Chevy Chase, MD 20815  
WSSC Grid: 211NW03

**Tax Map/Grid:** HP51/0000  
WSSC Grid: 211NW03

**OWNER:**  
Audubon Naturalist Society Woodend Sanctuary  
8940 Jones Mill Rd  
Chevy Chase, MD 20815  
301-652-9188

**PROJECT PARTNERS:**  
LRI Environmental Design | Avelé Engineers, PLLC  
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Durham, NC, 27707 | Blowing Rock, NC 28607  
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**ENGINEER:**  
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3290 North Ridge Road, Suite #290  
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Date	No.	Revision Desc.
04/26/2021	4	
01/12/2021	3	Review comments
05/20/2020	2	Call w/ M-NCPPC 10/20/2020
05/20/2020	1	M-NCPPC comments 5/20/2020

**PROJECT: FCP**  
Audubon Naturalist Society Woodend Sanctuary  
**PROJECT: SC2020007**

**SHEET TITLE:**  
**FCP - Layout 14**

SCALE: 1 inch = 20 feet  
DESIGN BY: ADD  
DRAWN BY: ADD  
CHECKED BY: BJS  
PROJECT ID: W-17-026  
DATE: 2020.02.03

SHEET # FCP 21