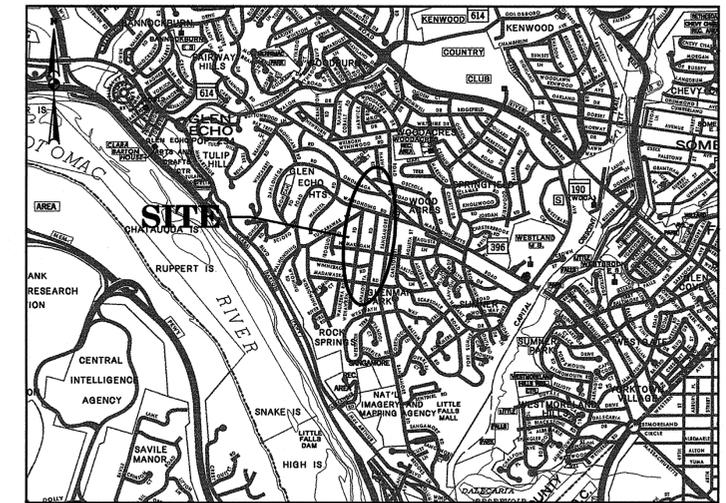


Tree number	Size DBH (in)	Common name	Scientific name	Condition	Comments
1	25	White oak	<i>Quercus alba</i>	Good	
2	27	White oak	<i>Quercus alba</i>	Good	
3	39	White oak	<i>Quercus alba</i>	Good	
4	32	White oak	<i>Quercus alba</i>	Good	
5	27	Pignut hickory	<i>Carya glabra</i>	Excellent	
6	38	Red oak	<i>Quercus rubra</i>	Good	
7	31	Scarlet oak	<i>Quercus coccinea</i>	Fair	dead branches in crown
8	35	Tulip poplar	<i>Liriodendron tulipifera</i>	Good	
9	34	Tulip poplar	<i>Liriodendron tulipifera</i>	Good	
10	33	Tulip poplar	<i>Liriodendron tulipifera</i>	Good	
11	31	Tulip poplar	<i>Liriodendron tulipifera</i>	Good	
12	25	Green ash	<i>Fraxinus pennsylvanica</i>	Good	
13	35	White oak	<i>Quercus alba</i>	Excellent	
14	36	White oak	<i>Quercus alba</i>	Good	
15	31	Honey locust	<i>Gleditsia triacanthos</i>	Fair	large burl on trunk; leaning toward road; dead branches in crown
16	29	White oak	<i>Quercus alba</i>	Good	
17	24	Red maple	<i>Acer rubrum</i>	Fair	broken branches in crown; uneven crown; leaning from growing under adjacent trees
18	28	Red oak	<i>Quercus rubra</i>	Fair	uneven crown; dead branches in crown; 5 degree lean
19	33	White oak	<i>Quercus alba</i>	Excellent	
20	29	Red maple	<i>Acer rubrum</i>	Good	
21	26	Red maple	<i>Acer rubrum</i>	Fair	dead branches in crown; uneven
22	35	Red maple	<i>Acer rubrum</i>	Good	
23	35	White oak	<i>Quercus alba</i>	Excellent	
24	32	American beech	<i>Fagus grandifolia</i>	Excellent	
25	28	White oak	<i>Quercus alba</i>	Good	uneven crown due to neighboring tree
26	24/25	Tulip poplar	<i>Liriodendron tulipifera</i>	Good	
27	34	White oak	<i>Quercus alba</i>	Excellent	
28	39	White oak	<i>Quercus alba</i>	Good	
29	33	Scarlet oak	<i>Quercus coccinea</i>	Good	
30	32	Southern red oak	<i>Quercus falcata</i>	Fair	dead branches in crown
31	35	Scarlet oak	<i>Quercus coccinea</i>	Fair	dead branches in crown
32	24	Black walnut	<i>Juglans nigra</i>	Good	
33	40	White oak	<i>Quercus alba</i>	Excellent	



VICINITY MAP  
SCALE: 1" = 2000'

PLAN NOTES:  
WSSC GRID: 227NW06  
TAXMAP GRID: GM63  
TOTAL TRACT AREA: 0.46 AC (WITHIN THE LOD)  
CURRENT ZONING: RZ  
WATERSHED: LITTLE FALLS  
USE CLASS OF STREAM: I-P  
WETLANDS: NONE  
FLOOD PLAIN: FROM FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) PANEL NO. 0455D; APPROVED SEPT 29, 2006  
SPECIAL PROTECTION AREA: NOT WITHIN SPA  
RARE THREATENED OR ENDANGERED SPECIES: NONE,  
SOME RESPONSES NOT YET RECEIVED  
HISTORIC SITES: NONE  
(http://www.montgomeryplanning.org/gis/interactive/historic.shtm)  
TREE MEASURING DEVICE USED: DIAMETER TAPE  
CHAMPION TREES: NONE  
DATE FIELD WORK CONDUCTED: OCTOBER 18, 2012  
WORK CONDUCTED BY: DAVID MERKEY



NO FOREST STANDS WERE FOUND WITHIN THE STUDY BOUNDARY.

SCALE: 1" = 40'

- LEGEND
- SOIL BOUNDARY AND LABELS
  - TREE-DECIDUOUS
  - TREE-EVERGREEN
  - SPECIMEN TREES
  - PROPERTY BOUNDARY
  - ▨ SEVERE SLOPES > 25%
  - CONTOUR (5 FT. INTERVAL)
  - ~ SHRUBS
  - ~ TREE COVER
  - STREAM CENTERLINE
  - SB --- STREAM BUFFER
  - LOD --- LIMIT OF DISTURBANCE

Soil Name	Highly Erodible	Prime Agricultural	Hydric
Glennel-Urban land complex, 0 to 8 percent slopes (ZUB)	No	No	No
Glennel-Urban land complex, 8 to 15 percent slopes (ZUC)	No	No	No

RESOURCE DATA TABLE	
Feature	Acres (within LOD)
FOREST	0.00
FLOODPLAIN	0.00
FLOODPLAIN IN FOREST	0.00
WETLANDS	0.00
WETLANDS IN FOREST	0.00
ENVIRONMENTAL BUFFER	0.10
ENVIRONMENTAL BUFFER IN FOREST	0.00
AVERAGE WIDTH OF ENVIRONMENTAL BUFFER	125.00
LINEAR EXTENT OF STREAMS	228 LF

"I, hereby certify that this Natural Resource Inventory is in accordance with the methodology described in the Trees Technical Manual; adopted by Montgomery County (July 1992), which was developed by the Natural Resources Division of the Maryland-National Capital Park and Planning Commission (1989)."

Signature: David Merkey 4/11/13

David Merkey, PhD, PWS, Qualified Professional  
Greenman-Pedersen, Inc.  
10917 Gullford Road  
Annapolis Junction, MD 20701



MONTGOMERY COUNTY  
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION  
ROCKVILLE, MARYLAND

RECOMMENDED FOR APPROVAL

Chief, Design Section  
APPROVED \_\_\_\_\_ Date \_\_\_\_\_

Chief, Division of Capital Development  
APPROVED \_\_\_\_\_ Date \_\_\_\_\_

Designed by: BA/GSP Drawn by: BA/GSP Checked by: WRP

**WAPAKONETA ROADWAY IMPROVEMENTS**

WSSC GRID 227NW06/ TAX MAP GRID GM63  
NATURAL RESOURCE INVENTORY/  
FOREST STAND DELINEATION

SCALE: AS SHOWN T101

Project No.: 2008037.00\_Task.111 of 18

PROFESSIONAL CERTIFICATION, I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED BY ME AND THAT I AM A FULLY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 11007, EXPIRATION DATE: 07/09/2012.