

PLANNING DEPARTMENT USE ONLY (E-PLANS)

FOREST CONSERVATION WORKSHEET
CORSO CHEVY CHASE

NET TRACT AREA:

A. Total tract area ... **12.29**

B. 0.70

C. 0.00

D. 0.00

E. 0.00

F. 0.00

G. 12.99

LAND USE CATEGORY: (from Chapter 22A-3. Definitions)

Input the number "1" under the appropriate land use, limit to only one entry.

ARA	MDR	IDA	HDR	MDP	CIA
0	0	0	0	1	0

G. Afforestation Threshold ... 15% x G = **1.95**

H. Conservation Threshold ... 20% x G = **2.60**

EXISTING FOREST COVER:

J. Existing forest cover = **3.71**

K. Area of forest above afforestation threshold = **1.76**

L. Area of forest above conservation threshold = **1.11**

BREAK EVEN POINT:

M. Forest retention above threshold with no mitigation = **2.82**

N. Clearing permitted without mitigation = **0.89**

PROPOSED FOREST CLEARING:

O. Total area of forest to be cleared = **0.72**

P. Total area of forest to be retained = **2.99**

PLANTING REQUIREMENTS:

Q. Reforestation for clearing above conservation threshold = **0.18**

R. Reforestation for clearing below conservation threshold = **0.00**

S. Credit for retention above conservation threshold = **0.39**

T. Total reforestation required = **0.00**

U. Total afforestation required = **0.00**

V. Credit for landscaping (may not exceed 20% of "S") = **0.00**

W. Total reforestation and afforestation required = **0.00**

No.	Forest	Offsite	Common Name	Scientific Name	DBH (inches)	CRZ Area	CRZ Impact	% Impacted	Condition Rating	Remove/Save
40	X		Tulip Poplar	<i>Liriodendron tulipifera</i>	28	5539	1258	23%	Fair	Save
41	X		Tulip Poplar	<i>Liriodendron tulipifera</i>	27	5150	754	15%	Good	Save
42	X		Tulip Poplar	<i>Liriodendron tulipifera</i>	26	4776	2265	47%	Good	Remove
44	X		Tulip Poplar	<i>Liriodendron tulipifera</i>	24	4069	2149	53%	Fair	Remove
45	X		Tulip Poplar	<i>Liriodendron tulipifera</i>	25	4416	2267	51%	Poor	Remove
46	X		Red Maple	<i>Acer rubrum</i>	26	4776	2334	49%	Poor	Remove
47	X		White Pine	<i>Pinus strobus</i>	24	4069	2641	65%	Good	Remove
52	X		London Plane Tree	<i>Platanus acerifolia</i>	24	4069	3475	85%	Poor	Remove
53	X		London Plane Tree	<i>Platanus acerifolia</i>	27	5150	5150	100%	Fair	Remove
55	X		London Plane Tree	<i>Platanus acerifolia</i>	27	5150	5150	100%	Fair	Remove
422	X		London Plane Tree	<i>Platanus acerifolia</i>	25	4416	4416	100%	Good	Remove
423	X		London Plane Tree	<i>Platanus acerifolia</i>	26	4776	4776	100%	Fair	Remove
424	X		London Plane Tree	<i>Platanus acerifolia</i>	24	4069	4069	100%	Good	Remove
425	X		London Plane Tree	<i>Platanus acerifolia</i>	28	5539	4521	82%	Fair	Remove
427	X		London Plane Tree	<i>Platanus acerifolia</i>	26	4776	4776	100%	Fair	Remove
428	X		London Plane Tree	<i>Platanus acerifolia</i>	28	5539	5539	100%	Fair	Remove
429	X		London Plane Tree	<i>Platanus acerifolia</i>	24	4069	4069	100%	Good	Remove
430	X		White Pine	<i>Pinus strobus</i>	28	5539	2783	50%	Poor	Remove
431	X		White Pine	<i>Pinus strobus</i>	25	4416	2122	48%	Poor	Remove
432	X		White Pine	<i>Pinus strobus</i>	26	4776	2895	61%	Poor	Remove
433	X		White Pine	<i>Pinus strobus</i>	29	5942	1281	22%	Fair	Save
438	X		Northern Red Oak	<i>Quercus rubra</i>	27	5150	4776	100%	Fair	Remove
439	X		White Oak	<i>Quercus alba</i>	26	4776	5150	100%	Good	Remove
442	X		Virginia Pine	<i>Pinus virginiana</i>	26	4776	4675	98%	Poor	Remove
444	X		Tulip Poplar	<i>Liriodendron tulipifera</i>	25	4416	0	0%	Poor	Save
446	X		Bitternut Hickory	<i>Carus cordiformis</i>	26	4776	3227	68%	Good	Remove
447	X		Tulip Poplar	<i>Liriodendron tulipifera</i>	24	4069	1665	41%	Poor	Remove
452	X		White Oak	<i>Quercus alba</i>	27	5150	0	0%	Poor	Save
455	X		Tulip Poplar	<i>Liriodendron tulipifera</i>	24	4069	2740	67%	Fair	Remove
456	X		Tulip Poplar	<i>Liriodendron tulipifera</i>	29	5942	2147	36%	Good	Remove
458	X		White Oak	<i>Quercus alba</i>	24	4069	569	14%	Good	Remove
459	X		Tulip Poplar	<i>Liriodendron tulipifera</i>	25	4416	2221	50%	Poor	Remove
460	X		Tulip Poplar	<i>Liriodendron tulipifera</i>	25	4416	2642	59%	Poor	Remove
461	X		Tulip Poplar	<i>Liriodendron tulipifera</i>	24	4069	470	12%	Poor	Save
465	X		Tulip Poplar	<i>Liriodendron tulipifera</i>	29	5942	0	0%	Good	Save
466	X		White Oak	<i>Quercus alba</i>	24	4069	0	0%	Poor	Save
467	X		White Oak	<i>Quercus alba</i>	28	5539	285	5%	Good	Save
468	X		Black Gum	<i>Nyssa sylvatica</i>	25	4416	1845	42%	Poor	Remove
469	X		Tulip Poplar	<i>Liriodendron tulipifera</i>	26	4776	0	0%	Poor	Save
472	X		White Oak	<i>Quercus alba</i>	24	4069	0	0%	Fair	Save
473	X		American Beech	<i>Fagus grandifolia</i>	26	4776	0	0%	Fair	Save
474	X		American Beech	<i>Fagus grandifolia</i>	24	4069	0	0%	Good	Save
475	X		Tulip Poplar	<i>Liriodendron tulipifera</i>	25	4416	0	0%	Good	Save
477	X		Northern Red Oak	<i>Quercus rubra</i>	28	5539	0	0%	Poor	Save
478	X		American Beech	<i>Fagus grandifolia</i>	25	4416	0	0%	Poor	Save
480	X		Tulip Poplar	<i>Liriodendron tulipifera</i>	28	5539	646	12%	Fair	Save
481	X		Tulip Poplar	<i>Liriodendron tulipifera</i>	29	5942	2013	34%	Fair	Remove
482	X		Tulip Poplar	<i>Liriodendron tulipifera</i>	27	5150	1217	24%	Poor	Save
483	X		Tulip Poplar	<i>Liriodendron tulipifera</i>	25	4416	0	0%	Fair	Save
485	X		Tulip Poplar	<i>Liriodendron tulipifera</i>	29	5942	0	0%	Fair	Save
486	X		White Oak	<i>Quercus alba</i>	24	4069	0	0%	Good	Save
490	X		American Beech	<i>Fagus grandifolia</i>	24	4069	2223	55%	Good	Remove
492	X		Elm	<i>Ulmus sp</i>	27	5150	2382	66%	Fair	Remove
494	X		Red Maple	<i>Acer rubrum</i>	24	4069	277	7%	Fair	Save
495	X		Tulip Poplar	<i>Liriodendron tulipifera</i>	27	5150	1885	37%	Good	Remove
496	X		Tulip Poplar	<i>Liriodendron tulipifera</i>	25	4416	1364	31%	Fair	Remove
497	X		Tulip Poplar	<i>Liriodendron tulipifera</i>	27	5150	1433	28%	Poor	Save
498	X		Tulip Poplar	<i>Liriodendron tulipifera</i>	26	4776	473	10%	Good	Save
499	X		Northern Red Oak	<i>Quercus rubra</i>	28	5539	2131	39%	Poor	Remove
500	X		American Beech	<i>Fagus grandifolia</i>	25	4416	1723	39%	Fair	Remove
39	X		Tulip Poplar	<i>Liriodendron tulipifera</i>	31	6789	2090	31%	Fair	Remove
43	X		Tulip Poplar	<i>Liriodendron tulipifera</i>	35	8655	3756	43%	Fair	Remove
48	X		Red Oak	<i>Quercus rubra</i>	31	6789	4023	59%	Poor	Remove
49	X		London Plane Tree	<i>Platanus acerifolia</i>	35	8655	6376	74%	Good	Remove
50	X		White Oak	<i>Quercus alba</i>	36	9126	5740	63%	Fair	Save
51	X		White Oak	<i>Quercus alba</i>	35	8655	4870	56%	Fair	Save
54	X		London Plane Tree	<i>Platanus acerifolia</i>	30	6359	6359	100%	Fair	Remove
426	X		London Plane Tree	<i>Platanus acerifolia</i>	30	6359	5297	83%	Fair	Remove
434	X		Ornamental Cherry	<i>Prunus avium</i>	30	6359	6359	100%	Poor	Remove
435	X		Pin Oak	<i>Quercus palustris</i>	31	6789	6789	100%	Fair	Remove
436	X		American Sycamore	<i>Platanus occidentalis</i>	32	7235	7235	100%	Poor	Remove
437	X		American Sycamore	<i>Platanus occidentalis</i>	40	11304	11304	100%	Poor	Remove
440	X		Tulip Poplar	<i>Liriodendron tulipifera</i>	30	6359	4556	72%	Poor	Remove
441	X		Southern Red Oak	<i>Quercus falcata</i>	37	9672	7125	74%	Fair	Remove
443	X		Tulip Poplar	<i>Liriodendron tulipifera</i>	41	11876	3342	28%	Fair	Save
445	X		Tulip Poplar	<i>Liriodendron tulipifera</i>	34	8167	58	1%	Fair	Save
448	X		Tulip Poplar	<i>Liriodendron tulipifera</i>	35	8655	1663	19%	Good	Save
449	X		White Oak	<i>Quercus alba</i>	34	8167	185	2%	Good	Save
453	X		White Oak	<i>Quercus alba</i>	31	6789	2240	33%	Fair	Save
454	X		White Oak	<i>Quercus alba</i>	32	7235	773	11%	Fair	Save
457	X		Tulip Poplar	<i>Liriodendron tulipifera</i>	31	6789	2175	32%	Poor	Remove
462	X		White Oak	<i>Quercus alba</i>	33	7694	2359	31%	Fair	Remove
463	X		Tulip Poplar	<i>Liriodendron tulipifera</i>	30	6359	0	0%	Fair	Save
464	X		Southern Red Oak	<i>Quercus falcata</i>	31	6789	1043	15%	Poor	Save
470	X		Northern Red Oak	<i>Quercus rubra</i>	38	10202	0	0%	Fair	Save
471	X		Tulip Poplar	<i>Liriodendron tulipifera</i>	30	6359	0	0%	Poor	Save
476	X		White Oak	<i>Quercus alba</i>	31	6789	330	5%	Poor	Save
479	X		Tulip Poplar	<i>Liriodendron tulipifera</i>	32	7235	0	0%	Good	Save
484	X		Northern Red Oak	<i>Quercus rubra</i>	50	17663	0	0%	Fair	Save
487	X		Tulip Poplar	<i>Liriodendron tulipifera</i>	30	6359	0	0%	Fair	Save
488	X		Tulip Poplar	<i>Liriodendron tulipifera</i>	38	10202	3507	34%	Good	Save
489	X		Tulip Poplar	<i>Liriodendron tulipifera</i>	31	6789	2289	34%	Fair	Remove
491	X		Tulip Poplar	<i>Liriodendron tulipifera</i>	33	7694	2554	33%	Good	Save
493	X		Tulip Poplar	<i>Liriodendron tulipifera</i>	30	6359	2243	35%	Fair	Remove
A	X		Northern Red Oak	<i>Quercus rubra</i>	34	8167	0	0%	Poor	Save
B	X		Tulip Poplar	<i>Liriodendron tulipifera</i>	32	7235	0	0%	Good	Save
C	X		White Oak	<i>Quercus alba</i>	40	11304	0	0%	Good	Save

Specimen and Significant Tree Table

Sequence of Events for Properties Required to Comply With Forest Conservation Plans, Exemptions From Submitting Forest Conservation Plans, and Tree Save Plans

The property owner is responsible for ensuring all tree protection measures are performed in accordance with the approved final forest conservation plan or tree save plan, and as modified in the field by the Planning Department Forest Conservation Inspector. The measures must meet or exceed the most recent standards published by the American National Standards Institute (ANSI A300).

Pre-Construction

1. An on-site pre-construction meeting is required after the limits of disturbance have been staked and flagged before any tree removal or site disturbance.
2. The property owner must arrange for the meeting and following people should not participate at the pre-construction meeting: the property owner or their representative, construction superintendent, International Society of Arboriculture (ISA) certified arborist, Maryland Licensed Tree Expert (representing owner) that will implement the tree protection measures, the Planning Department Forest Conservation Inspector, and Montgomery County Department of Permitting Services (DPS) Sediment Control Inspector. The purpose of this meeting is to verify the limits of disturbance and discuss specific tree protection and tree care measures shown on the approved plan. No land disturbance shall begin before tree protection and stress-reduction measures have been implemented and approved by the Planning Department's Forest Conservation Inspector.

Typical tree protection devices include:

- i. Chain link fence (four feet high)
- ii. Super silt fence with wire string between the support poles (minimum 4 feet high) with high visibility flagging
- iii. 14 gauge, 2 inch x 4 inch welded wire fencing supported by steel T-bar posts (minimum 4 feet high) with high visibility flagging
- iv. Typical stress reduction measures may include, but are not limited to:
 - a. Root pruning with a root cutter or vibratory plow designed for that purpose. Trenchers are not allowed, unless approved by the Forest Conservation Inspector.
 - b. Crown Reduction or pruning
 - c. Watering
 - d. Fertilizing
 - e. Vertical mulching
 - f. Root aeration systems

Measures not specified on the Forest Conservation Plan may be required as determined by the Forest Conservation Inspector in coordination with the property owner's arborist.

3. A Maryland Licensed Tree expert must perform, or directly supervise, the implementation of all stress reduction measures. Documentation of the process (including photographs) may be required by the Forest Conservation Inspector, and will be determined at the pre-construction meeting.

4. Temporary tree protection devices must be installed per the approved Forest Conservation Plan, Exemption Plan, or Tree Save Plan and prior to any land disturbance. The Forest Conservation Inspector, in coordination with the DPS Sediment Control Inspector, may make field adjustments to increase the survivability of trees and forest shown as saved on the approved plan.

Forest Conservation Data Table

Tract	Number of Acres	
	Remaining in Agricultural Use	-
Road & Utility ROWs ¹	-	
Total Existing Forest	3.71	
Forest Retention	2.99	
Forest Cleared	0.72	

Land Use & Thresholds²

Land Use Category	MDP	ARA, MDR, IDA, HDR, MDP, or CIA
Conservation T threshold	percent	20%
Afforestation Threshold	percent	15%

Total Channel Length (ft) - Average Buffer Width (ft)³

Stream(s)	Length (ft)	Average Buffer Width (ft) ³
-	-	-

Acres of Forest in Wetlands - Retained - Cleared - Planted -

100-Year Floodplain - Retained - Cleared - Planted -

Stream Buffers - Retained - Cleared - Planted -

Priority Areas - Retained - Cleared - Planted -

¹ Only Road or Utility ROWs not to be improved as part of development application.
² Information from FC Land Use Categories & Thresholds document.
³ Measured from stream edge to buffer edge.

Variance Tree Mitigation Table

No.	Common Name	Scientific Name	DBH (inches)	Condition Rating	Comments	Impact
48	Red Oak	<i>Quercus rubra</i>	31	Poor	broken branches, landscaped, large dead wood, small dead wood	Remove
49	London Plane Tree	<i>Platanus acerifolia</i>	35	Good	grinded roots	Remove
54	American Sycamore	<i>Platanus occidentalis</i>	30	Fair	cavity from missing leader, large dead wood, broken leader	Remove
426	American Sycamore	<i>Platanus occidentalis</i>	30	Fair	landscaped, co-dominant, large dead wood, broken leader	Remove
434	White Pine	<i>Pinus strobus</i>	30	Poor	vine cover, small dead wood, large dead wood, broken branches, exposed/grinded roots, landscaped	Remove
435	Pin Oak	<i>Quercus palustris</i>	31	Fair	landscaped, small dead wood, large dead wood	Remove
436	American Sycamore	<i>Platanus occidentalis</i>	32	Poor	landscaped, small dead wood, hollow cavity, large dead wood	Remove
437	American Sycamore	<i>Platanus occidentalis</i>	39	Poor	large cavity at base, cavities in trunk, large deadwood, landscaped	Remove
440	Tulip Poplar	<i>Liriodendron tulipifera</i>	30	Poor	large dead wood, woodpecker holes throughout, leaning	Remove
441	Southern Red Oak	<i>Quercus falcata</i>	37	Fair	small dead wood, broken branches, leaning, grinded roots, one-sided	Remove
442	Virginia Pine	<i>Pinus virginiana</i>	30	Poor	leaning, small dead wood, large dead wood, one-sided	Remove
462	White Oak	<i>Quercus alba</i>	33	Fair	vine coverage, broken branches, small dead wood	Remove
489	Tulip Poplar	<i>Liriodendron tulipifera</i>	31	Fair	Large dead wood, small dead wood, broken branches	Remove

* Tree tags 450 and 451 were skipped

Total Tree Caliper - 419 caliper

Total Caliper Replacement Required (1" caliper/4 DBH) - 104.75 caliper

Total 3" Caliper Trees Required for Replacement - 35 trees

NOTE: MITIGATION PLANTING SCHEDULE WILL BE FINALIZED AT TIME OF FINAL FOREST CONSERVATION PLAN

GENERAL CONDITIONS

I. SCOPE

A. The landscape contractor shall provide all materials, labor and equipment to complete all landscape work as shown on the plans, plant list and specifications.

B. Total number of plants shall be as shown on the landscape plan. If this total differs from the plant schedule, the landscape contractor is to notify the landscape architect before the bid date.

II. STANDARDS

A. All plant material will conform to the current issue of the American Standard for Nursery Stock published by the American Nursery and Landscape Association (ANLS) and conform in general to representative species.

B. The material shall be selected from nurseries that have been inspected by state or federal agencies. Any certificates required must be provided to