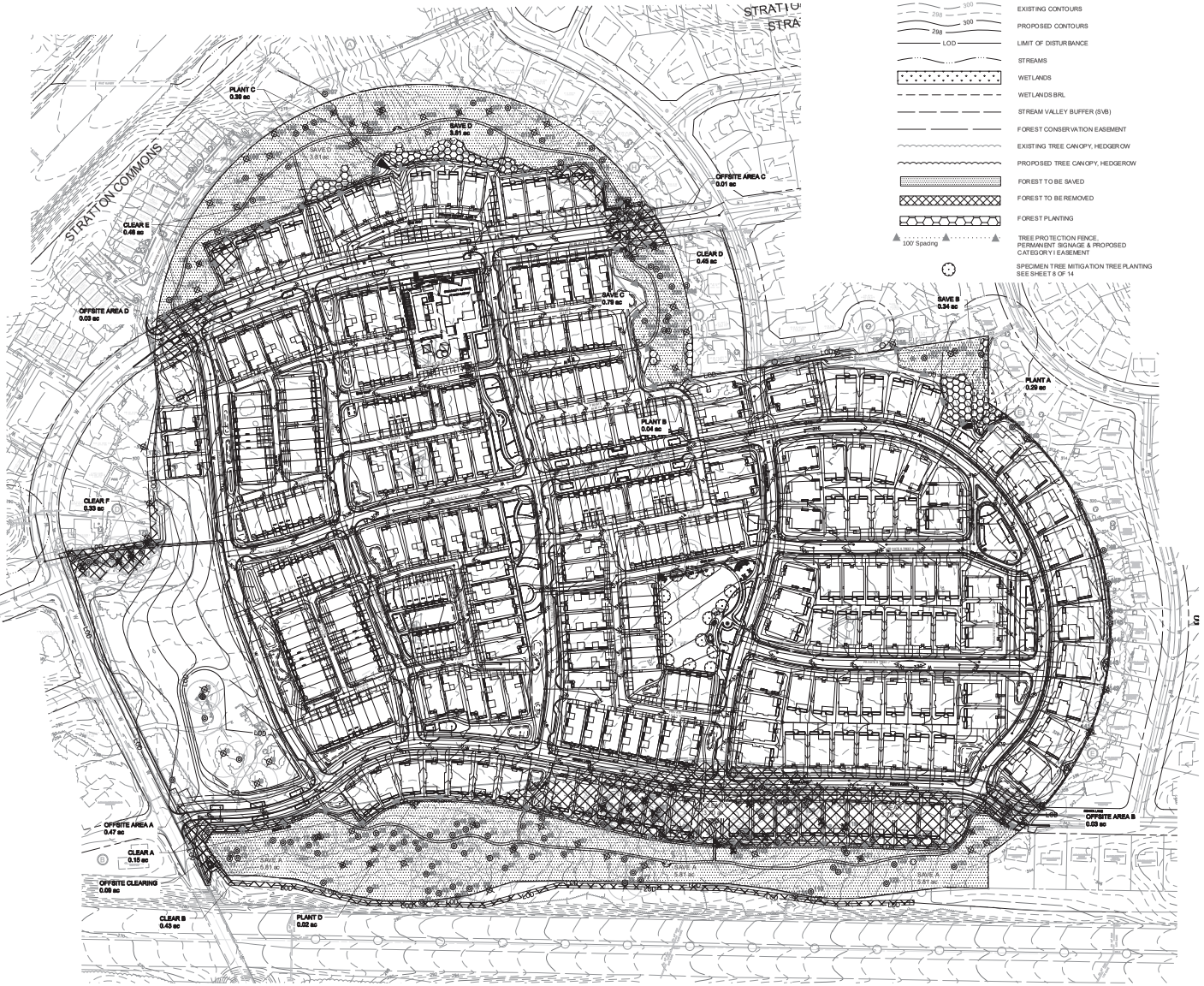
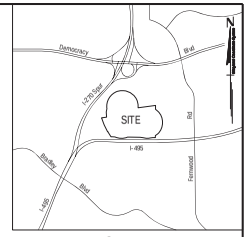
ATTACHMENT 8



LEGEND

- SITE LIMITS
- PUBLIC STREET RIGHT OF WAY
- LOT LINES
- EASEMENTS
- CONCRETE/PAVER WALK
- NATURAL SURFACE TRAIL
- EXISTING CONTOURS
- PROPOSED CONTOURS
- LIMIT OF DISTURBANCE
- STREAMS
- WETLANDS
- WETLANDS BRL
- STREAM VALLEY BUFFER (SVB)
- FOREST CONSERVATION EASEMENT
- EXISTING TREE CANOPY, HEDGEROW
- PROPOSED TREE CANOPY, HEDGEROW
- FOREST TO BE SAVED
- FOREST TO BE REMOVED
- FOREST PLANTING
- TREE PROTECTION FENCE, PERMANENT SIGNAGE & PROPOSED CATEGORY I EASEMENT (100' Spacing)
- SPECIMEN TREE MITIGATION TREE PLANTING SEE SHEET 8 OF 14



VICINITY MAP
1" = 2000'

FOREST CONSERVATION WORKSHEET
Plan Name

NET TRACT AREA:

A. Total tract area	75.80
B. Land dedication acres (parks, county facility, etc.)	0.00
C. Land dedication for roads or utilities (not being constructed by this plan)	0.00
D. Area to remain in commercial agricultural production/use	0.00
E. Other deductions (specify)	0.00
F. Net Tract Area =	75.80

LAND USE CATEGORY: (from *Trees Technical Manual*)
Input the number "1" under the appropriate land use, limit to only one entry.

ARA	MDR	IDA	HDR	MPD	CIA
0	0	0	1	0	0

G. Afforestation Threshold	15%	x F =	11.37
H. Conservation Threshold	20%	x F =	15.16

EXISTING FOREST COVER:

I. Existing forest cover =	16.36
J. Area of forest above afforestation threshold =	4.99
K. Area of forest above conservation threshold =	1.20

BREAK EVEN POINT:

L. Forest retention above threshold with no mitigation =	15.40
M. Clearing permitted without mitigation =	0.96

PROPOSED FOREST CLEARING:

N. Total area of forest to be cleared =	5.61
O. Total area of forest to be retained =	10.75

PLANTING REQUIREMENTS:

P. Reforestation for clearing above conservation threshold =	0.30
Q. Reforestation for clearing below conservation threshold =	8.82
R. Credit for retention above conservation threshold =	0.00
S. Total reforestation required =	9.12
T. Total afforestation required =	0.00
U. Credit for landscaping (may not exceed 20% of "S") =	1.62
V. Total reforestation and afforestation required =	7.50

worksheet updated 8/5/2002

TOTAL FORESTATION REQUIRED: 7.50 AC.

REFORESTATION OR AFFORESTATION (ON-SITE) PROVIDED: 0.74 AC.

REFORESTATION OR AFFORESTATION (OFF-SITE) PROVIDED: 6.76 AC.

FOREST CONSERVATION TABLE: WMAL BETHESDA PROPERTY

Acreage of tract (gross) 74.83 tract area + 0.54 offsite + 0.43 Noise Wall	75.80		
Acreage of tract remaining in agriculture use	0.00		
Acreage of road and utility ROWs which will not be improved as part of the development application	0.00		
Acreage of Stream Valley Buffer	0.45		
Land Use Category from 22A-12	HDR		
Conservation Threshold	20%		
Afforestation Threshold	15%		
Linear Feet of Stream	62 lf.		
Average width of stream buffer	100		
One side of stream or both	B		
Existing Forest Acreage	16.36		
Forest Details	Retained	Cleared	Planted
Acreage of Forest	10.75	5.61	0.74
Acreage of Forest within Wetlands	40.91	0.00	0.00
Acreage of Forest within100-year Floodplain	0.00	0.00	0.00
Acreage of Forest within stream valley buffer	0.22	0.00	0.22
Acreage of Forest within priority area	0.22	0.00	0.22

GRAPHIC SCALE
1 INCH = 100 FT

NOTE: ARCHITECTURAL FOOTPRINTS ARE SHOWN FOR ILLUSTRATIVE PURPOSES ONLY. FINAL ARCHITECTURES AND BUILDING HEIGHT SHALL BE DETERMINED AT BUILDING PERMIT.

NOTE: UTILITIES SHOWN ARE FOR INFORMATIONAL PURPOSES AND ARE SUBJECT TO CHANGE AT FINAL ENGINEERING.

General Notes:
1. For additional property information, see NRI/FSD #4-20160220, approved November 9, 2015.
2. This plan is for Forest Conservation purposes only.
3. Boundary information is from a boundary survey conducted by ESE Consultants, Inc. in July 2018.
4. The topography hereon is shown in 2' contour interval and was obtained from aerial photogrammetry.
5. Tree locations and measurements taken by Rodgers Consulting, Inc.
6. Wetlands as shown were delineated by Rodgers Consulting, Inc..
7. The site is within the Cabin John Creek watershed, Class I-P.
8. The site is within the North Bethesda/Garrett Park Master Plan area.
9. The Forest Conservation may be phased generally congruent with the development phasing for this project.

DEVELOPER'S CERTIFICATE
The Undersigned agrees to execute all the features of the Site Plan Approval No. 820170170, including Approval Conditions, Development Program, and Certified Site Plan.

Developer: _____
Company Contact Person
Address: _____
Phone: _____
Signature: _____

ESE CONSULTANTS
ENGINEERING • PLANNING • SURVEYING • ENVIRONMENTAL
ESE Consultants, Inc.
7164 Columbia Gateway Drive • Suite 230 • Columbia, MD 21046
T: 410-872-9105

REVISED:	DATE:	REVISED:	DATE:

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
3318
LICENSE NO.
10/04/2019
EXPIRATION DATE

9/10/2018

APPLICANT:
TOLL MD VII LIMITED PARTNERSHIP
c/o TOLL BROS., INC.
7164 COLUMBIA GATEWAY DRIVE, SUITE 230
COLUMBIA, MARYLAND 21046
ATTN: MR. TOM MATEYA
PHONE: 410-872-9105
FAX: 410-872-9141

MISS UTILITY NOTE
INFORMATION CONCERNING EXISTING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS. THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION AND ELEVATION OF ALL EXISTING UTILITIES AND UTILITY CROSSINGS BY DIGGING TEST PITS BY HAND, WELL IN ADVANCE OF THE START OF EXCAVATION. CONTACT "MISS UTILITY" AT 1-800-257-7777, 48 HOURS PRIOR TO THE START OF EXCAVATION. IF CLEARANCES ARE LESS THAN SHOWN ON THIS PLAN OR TWELVE (12) INCHES, WHICHEVER IS LESS, CONTACT THE ENGINEER AND THE UTILITY COMPANY BEFORE PROCEEDING WITH CONSTRUCTION. CLEARANCES LESS THAN NOTED MAY REQUIRE REVISIONS TO THIS PLAN.

FINAL FOREST CONSERVATION PLAN
AMALYN BETHESDA
PARCEL N 495, PLAT 16552 L.34166 F.342
ELECTION DISTRICT NO. 7 BETHESDA, MONTGOMERY COUNTY, MARYLAND
WSSC MAP 212 NW 07, GRID B4-6 & C4-6
TAX MAP GP 342, GRID GP 42

DATE:	SEPTEMBER 2018
DESIGN:	DRAWN:
SCALE:	1" = 100'
JOB NO.:	3891
SHEET NO.:	01 OF 14

PRELIMINARY NOT FOR CONSTRUCTION