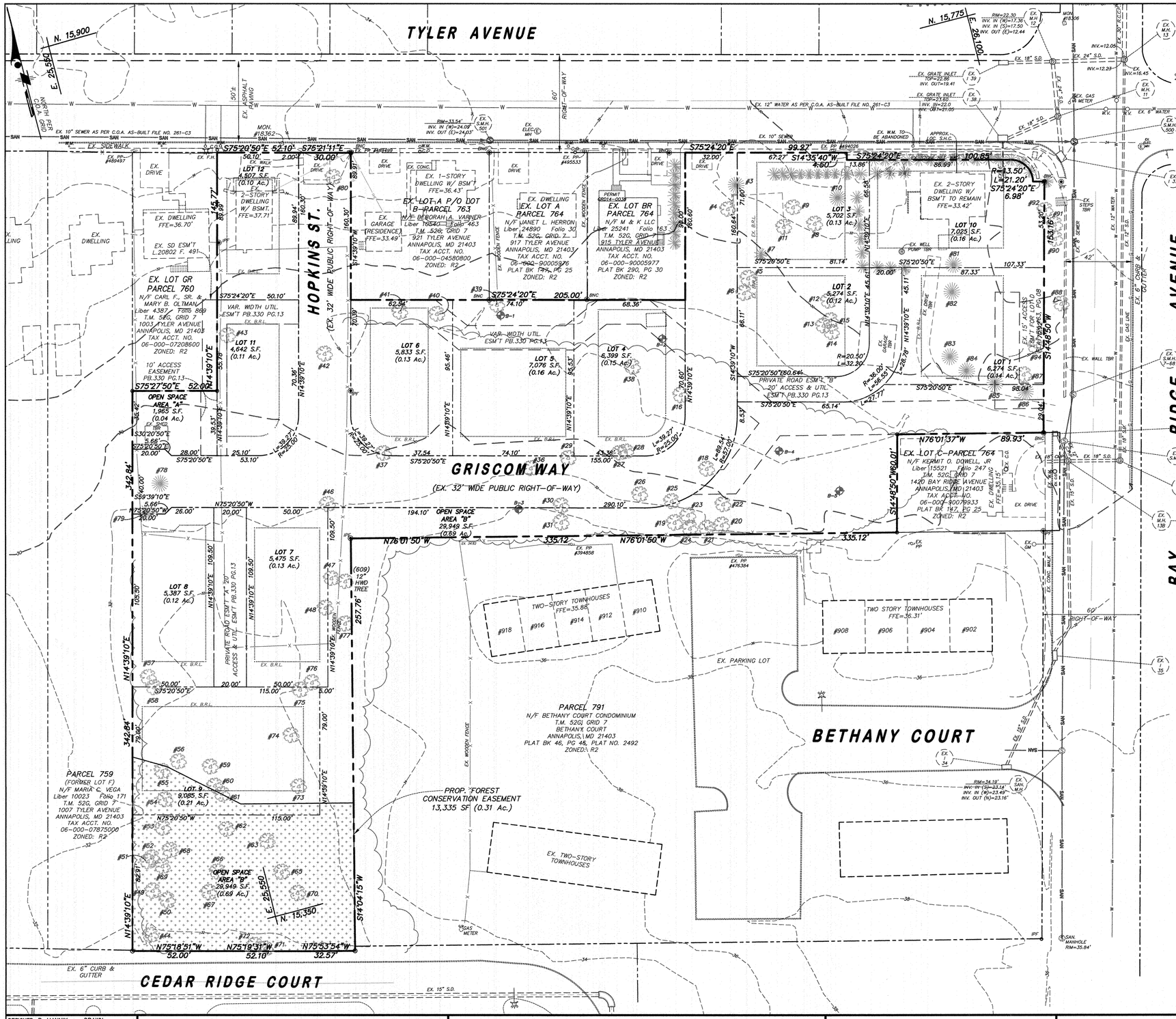

FOREST CONSERVATION WORKSHEET

Note: Use 0 for all negative numbers that result from these calculations.

Net Tract Area

A. Total Tract Area — A = 3.05 ac.

B. Deductions (100–Year Floodplain) — B = 0.00 ac.

C. Net Tract Area Net Tract Area = Total Tract Area (A) – Deductions (B) — C = 3.05 ac.

Land Use Category: R–2 High Density Residential

D. Afforestation Threshold (Net Tract Area [C] x 15 %) — D = 0.46 ac.

E. Conservation Threshold (Net Tract Area [C] x 20 %) — E = 0.61 ac.

Existing Forest Cover

F. Existing Forest Cover within the Net Tract Area — F = 0.87 ac.

G. Area of Forest Above Conservation Threshold — G = 0.26 ac.

If the Existing Forest Cover (F) is greater than the Conservation Threshold (E), then G = F – E, otherwise G = 0

Break Even Point

H. Break Even Point (Amount of Forest that must be retained so that no mitigation is required) — H = 0.65 ac.

(1) If the Area of Forest Aabove the Conservation Threshold (G) is greater than 0, then H = (0.2 x the Area of Forest Above the Conservation Threshold (G) + the Conservation Threshold (E)

(2) If the area of forest above the Conservation Threshold (G) is equal to 0, then H = Existing Forest cover (F)

I. Forest Clearing Permitted Without Mitigation — I = 0.21 ac.

I = Existing Forest Cover (F) – Break Even Point (H)

Proposed Forest Clearing

J. Total Area of Forest to be Cleared — J = 0.56 ac.

K. Total Area of Forest to be Retained in Forest Conservation Easement — K = 0.31 ac.

K = Existing Forest Cover (F) – Forest to be Cleared (J)

Planting Requirements

If the Total Area of Forest to be Retained (K) is at or above the Breakeven Point (H), no planting is required, and no further calculations are necessary (L=0, M=0, N=0, P=0; Q=0, R=0) — L = 0.07 ac.

Otherwise, calculate the planting requirement(s) as follows:

L. Reforestation for Clearing Above the Conservation Threshold

(1) If the Total Area of Forest to be Retained (K) is greater than the Conservation Threshold (E), then L = the Area of Forest to be Cleared (J) X 0.25;

(2) If the Forest to be Retained (K) is less than or equal to the Conservation Threshold (E), then L = area of Forest Above the Conservation Threshold (G) x 0.25

M. Reforestation for Clearing Below the Conservation Threshold — M = 0.60 ac.

(1) If Existing Forest Cover (F) is greater than the Conservation Threshold (E), and the Forest to be Retained (K) is less than or equal to the Conservation Threshold (E), then M = 2.0 x (the Conservation Threshold (E) – the Forest to be Retained (K))

(2) If Existing Forest cover (F) is less than or equal to the Conservation Threshold (E), then M = 2.0 x the Forest to be Cleared (J).

N. Credit for Retention Above the Conservation Threshold — N = 0.00 ac

If the area of forest to be retained (K) is greater than the Conservation Threshold (E), then N = K – E, otherwise, N = 0

P. Total Reforestation Required P = L + M – N — P = 0.67 ac.

Q. Total Afforestation Required — Q = 0.00 ac.

If Existing Forest Cover (F) is less than the Afforestation Threshold (D), then Q = the Afforestation Threshold (D) – the Existing Forest Cover (F)

R. Total Planting Requirement R = P + Q — R = 0.67 ac.

S. Reforestation Provided — S = 0.67 ac.

Source: DNR

Forest Conservation Worksheet (Full) — Figure 3.10

Forest Conservation Table	
Net Tract Area	3.05 Ac. OR 133,060 sf
Forest Conservation Easement	
Required:	0.61 Ac. OR 26,571 sf
Provided:	0.31 Ac. OR 13,355 sf
Griscom Square Reforestation Calculation	
Total Reforestation Required:	0.67 Ac. OR 29,185 sf
Average Mature Canopy Area:	1,770 sf
Canopy Trees provided:	18

LEGEND

- EXISTING CONTOUR
- EXISTING WOODS LINE
- EXISTING TREE
- SAN — EXISTING SEWER LINE
- EXISTING SEWER MANHOLE
- EXISTING STORM DRAIN MANHOLE
- W — EXISTING WATERLINE
- PROPOSED FOREST CONSERVATION EASEMENT

DESIGNED: R. MANNIX DRAWN:
ORIG. DATE: 08–31–06
MODIFIED BY/DATE: KLY/EW ~ 2014–15
CADD DWG #: BP12804
DLA PROJECT #: BP12804

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REVISIONS TO APPROVED PLANS

No.	DATE	BY	DESCRIPTION

Drum, Loyka & Associates, LLC
CIVIL ENGINEERS - LAND SURVEYORS
1410 Forest Drive, Suite 35
Annapolis, Maryland 21403
Phone: 410-280-3122 · Fax: 410-280-1952
www.drumloyka.com

"Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed Professional Engineer under the laws of the State of Maryland, license no. 18521, expiration date: 12-06-15"

STATE OF MARYLAND · MICHAEL W. DRUM · No. 18521 · PROFESSIONAL ENGINEER

2/25/15

OWNER/DEVELOPER:

MR. JOHN PILLI
C/O PILLI DEVELOPMENT CO, INC.
197 HANOVER STREET
ANNAPOLIS, MARYLAND 21401

TREE PRESERVATION PLAN
FOREST CONSERVATION & CONCEPT SWM PLAN

GRISCOM SQUARE

CITY OF ANNAPOLIS
PARCELS 761-764
TAX MAP 15G GRID 7 PARCEL DISTRICT 6TH
ANNE ARUNDEL COUNTY, MARYLAND

SCALE: 1"=30' | DATE: FEB. 23, 2015 | PROJ. NO: BP12804 | SHEET 3 OF 6

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