

# Required Type II Tree Conservation Plan Notes

1. Cutting or clearing of woodland not in conformance with this plan or without the expressed written consent of the Planning Director or designee shall be subject to a \$1.00 per square foot mitigation fee.
2. The Department of Public Works and Transportation (DPW&T) shall be contacted prior to the start of any work on the site to address implementation of woodland conservation measures shown on this plan.
3. Property owners shall be notified by the Developer or Contractor of any Woodland Conservation Areas (Tree Save Areas, Reforestation Areas, or Selective Clearing Areas) located on their lot or parcel of land and the associated fines for unauthorized disturbances to these areas. Upon the sale of the property the owner / developer or owner representative shall notify the purchaser of the property of any Woodland Conservation Areas.
4. All appropriate bonds shall be posted with the Building Official prior to the issuance of any permits. These bonds will be retained as surety by the Building Official until all required activities have been satisfied.
5. All required off-site mitigation shall be identified on an approved TCPIT for the off-site location and shall be recorded as an off-site easement in the land records of Prince George's County prior to issuance of any permits for the subject property.
6. The location of all Tree Protective Devices (TPDs) shown on this plan shall be flagged or staked in the field prior to the pre-construction meeting with the Sediment and Erosion Control Inspector from DPW&T. Upon approval of the flagged or staked TPD locations by the Inspector, installation of the TPDs may begin. TPD installation shall be completed prior to installation of initial Sediment Controls. No cutting or clearing of trees may begin before final approval of TPD installation.

7. Woodland Conservation - Tree Save Areas and/or Reforestation Areas shall be posted as shown at the same time as Tree Protective Device installation and/or start of reforestation activities. These signs shall remain in place.
8. All tree planting for woodland replacement, reforestation or afforestation will be completed prior to Use and Occupancy Permit. Failure to establish the woodland replacement, reforestation or afforestation within the prescribed time frame will result in the forfeiture of the Reforestation Bond and/or a violation of this Plan including the associated \$1.50 per square foot penalty unless a written extension is approved by the DPW&T Inspector.
9. The DPW&T Inspector shall be notified prior to soil preparation or initiation of any tree planting on this site.
10. Results of survival checks for all tree plantings shall be reported to the DPW&T Inspector for the site and M-NCPPC, Environmental Planning Section.
11. Prior to the issuance of any permits the contractor responsible for soil preparation, site preparation, tree planting and tree maintenance must be identified.

# TRIANGLE/COLLINGBROOK

## TREE CONSERVATION PLAN TYPE II

INDEX:

1. COVER SHEET

2-10. TREE CONSERVATION PLAN TYPE II.

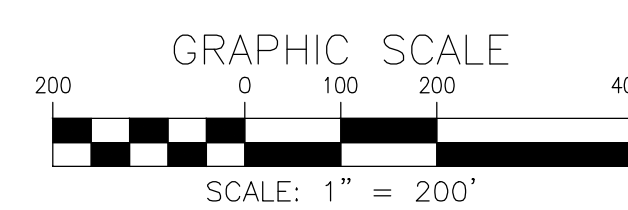
11, 12. NOTES AND DETAILS.

PHASE 1 LIMITS OF BORROW AREA SEDIMENT CONTROL PLAN No. 444-04

PHASE 1 LIMITS OF EXPANDED LIMITS SEDIMENT CONTROL PLAN No. 10-05

### LEGEND:

- PMA--- PRIMARY MANAGEMENT AREA (PMA)
- UNMITIGATED NOISE CONTOUR
- SB--- STREAM BUFFER
- 100 YEAR FLOODPLAIN
- PP BRL--- FLOODPLAIN BUILDING RESTRICTION LINE
- EDGE OF WATER OF THE US
- EXISTING TREELINE
- SPECIMEN TREE TO REMAIN
- SPECIMEN TREE TO BE REMOVED
- WETLANDS
- WB--- WETLANDS BUFFER
- STORM DRAIN HEADWALL
- FOREST SAVED, BUT CONSIDERED CLEARED
- WOODLAND PRESERVATION
- FOREST IN FLOODPLAIN, SAVED BUT NOT COUNTED
- AFFORESTATION/REFORESTATION
- SILT FENCE



### DEVELOPER/APPLICANT

Charles P. Johnson & Associates, Inc.  
1751 Elton Road, Suite 200  
Silver Spring, MD 20910  
Tel: 301-434-7000  
Fax: 301-434-9394  
Email: cjohnson@cpja.com

### ENGINEER/LANDSCAPE ARCHITECT

Charles P. Johnson & Associates, Inc.  
1751 Elton Road, Suite 200  
Silver Spring, MD 20910  
Tel: 301-434-7000  
Fax: 301-434-9394  
Email: cjohnson@cpja.com

| WOODLAND CLEARED ON NET TRACT (NOT IN 100-YEAR FLOODPLAIN) | TOTAL AREA |
|------------------------------------------------------------|------------|
| TOTAL                                                      | 106.75 AC. |

| WOODLAND CLEARED IN 100-YEAR FLOODPLAIN | TOTAL AREA |
|-----------------------------------------|------------|
| TOTAL                                   | 0.41 AC.   |

| FOREST TO REMAIN | PHASE                                                             | TOTAL AREA |
|------------------|-------------------------------------------------------------------|------------|
| WR-A             | 1 & 2 = 6.28 AC.<br>3B2 = 2.23 AC.                                | 8.51 AC.   |
| WR-B             | 1 & 2                                                             | 0.23 AC.   |
| WR-C             | 1 & 2                                                             | 0.36 AC.   |
| WR-D             | 1 & 2                                                             | 6.47 AC.   |
| WPA-E            | 1 & 2 = 3.0 AC.<br>3A = 4.0 AC.<br>3C = 0.42 AC.<br>3E = 4.05 AC. | 11.47 AC.  |
| WPA-F            | 3B1 = 5.41 AC.<br>3D = 3.78 AC.                                   | 9.19 AC.   |
| WPA-G            | 3B1 = 0.41 AC.<br>3B2 = 0.69 AC.                                  | 1.10 AC.   |
| WR-H             | 1 & 2                                                             | 0.53 AC.   |
| WR-I             | 3E                                                                | 0.11 AC.   |
| WR-J             | 3E                                                                | 0.02 AC.   |
| WR-K             | 1 & 2                                                             | 0.03 AC.   |
| WPA-L            | 3B1 = 3.47 AC.<br>3D = 1.0 AC.                                    | 4.47 AC.   |
| TOTAL            |                                                                   | 42.49 AC.  |

| WOODLAND SAVED BUT CONSIDERED CLEARED | TOTAL AREA |
|---------------------------------------|------------|
| AREA C1                               | 0.01 AC.   |
| AREA C2                               | 0.16 AC.   |
| AREA C3                               | 0.12 AC.   |
| AREA C4                               | 0.04 AC.   |
| AREA C5                               | 0.19 AC.   |
| AREA C9                               | 0.29 AC.   |
| AREA C10                              | 0.33 AC.   |
| AREA C12                              | 0.04 AC.   |
| AREA C15                              | 0.04 AC.   |
| AREA C17                              | 0.02 AC.   |
| TOTAL                                 | 1.24 AC.   |

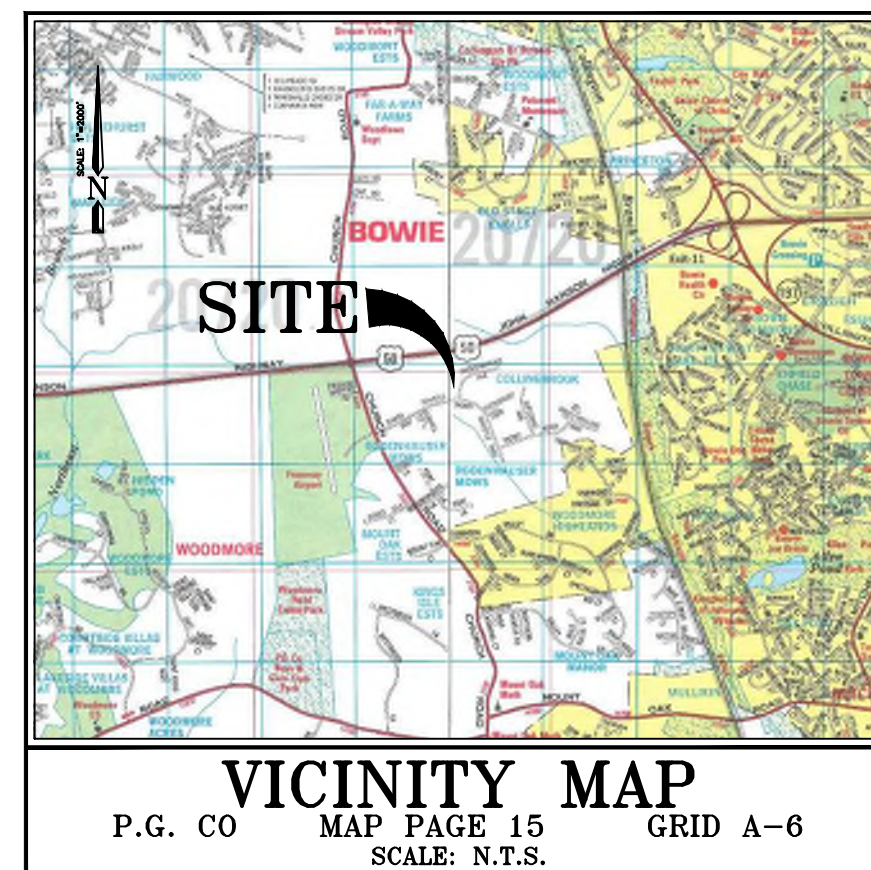
| AFFORESTATION/REFORESTATION | PHASE                          | TOTAL AREA |
|-----------------------------|--------------------------------|------------|
| 1                           | 3D = 1.10 AC.<br>3E = 3.00 AC. | 4.10 AC.   |
| 2                           | 3C = 0.53 AC.<br>3D = 0.42 AC. | 0.95 AC.   |
| WRA-3                       | 3B1                            | 0.23 AC.   |
| WRA-4                       | 3B1                            | 1.89 AC.   |
| WRA-5                       | 3B1 = 0.57<br>3D = 2.0 AC.     | 2.57 AC.   |
| 6                           | 1 & 2                          | 1.86 AC.   |
| 7                           | 1 & 2                          | 0.39 AC.   |
| WRA-8                       | 3C = 1.58 AC.<br>3D = 0.76 AC. | 2.34 AC.   |
| WRA-9                       | 3A = 1.06 AC.<br>3E = 1.57 AC. | 2.63 AC.   |
| WRA-9A                      | 3C = 0.03 AC.                  | 0.03 AC.   |
| 11                          | 3B2                            | 1.15 AC.   |
| 12                          | 1 & 2                          | 0.11 AC.   |
| 13                          | 1 & 2                          | 0.40 AC.   |
| WRA-14                      | 3D                             | 0.47 AC.   |
| TOTAL                       |                                | 19.12 AC.  |

| NATURAL REGENERATION AREA | PHASE | TOTAL AREA |
|---------------------------|-------|------------|
| NRA-A                     | 3B1   | 0.45 AC.   |
| NRA-B                     | 3B1   | 0.13 AC.   |
| TOTAL                     |       | 0.58 AC.   |

| SECTION I - Establishing Site Information (Enter acres for each acre) |              |
|-----------------------------------------------------------------------|--------------|
| Gross Tract:                                                          | 237.36       |
| Floodplain:                                                           | 20.44        |
| Previously Dedicated Land:                                            | 0.00         |
| Net Tract (NTA):                                                      | 216.92       |
| TCP II or 2 Number:                                                   | 2-100-03     |
| Property Description or Subdivision Name:                             | Collingbrook |
| TCP I Number:                                                         | 1-037-02     |
| Is this site subject to the 1989 Ordinance? (Y/N):                    | N            |
| Break-even Point (preservation acres) =                               | 73.25        |
| Acres of Net Tract clearing permitted with reforestation:             | 76.97        |

| SECTION II - Determining Woodland Conservation Requirements (Enter acres for each corresponding column) |             |
|---------------------------------------------------------------------------------------------------------|-------------|
| Existing Woodland on Net Tract (acres)                                                                  | 149.32      |
| Existing Woodland in Floodplain (acres)                                                                 | 19.50       |
| Woodland Conservation Threshold (NTA) =                                                                 | 25.00%      |
| Smaller of 10 or 12                                                                                     | 54.23       |
| Woodland above WCT                                                                                      | 95.09       |
| Plan Number: (This must be completed for each phase)                                                    | 4-02063     |
| Plan Phase or Name:                                                                                     | Phase 1 & 2 |
| TCP2 Number for this Phase or Section:                                                                  | 2-100-03    |
| Status:                                                                                                 | APPROVED    |
| Approval Date:                                                                                          | 11/22/2021  |
| Total area in this application (acres)                                                                  | 126.58      |
| Floodplain area in this application (acres)                                                             | 9.35        |
| Net Tract area in this application (acres)                                                              | 117.23      |
| Woodland on the Net Tract for this phase (acres)                                                        | 58.33       |
| Woodland in the Floodplain for this phase                                                               | 8.41        |
| Woodland Cleared in Floodplain for this phase                                                           | 51.43       |
| Woodland Cleared in Floodplain for this phase                                                           | 0.41        |
| Off-site Woodland Clearing (1:1)                                                                        | 0.00        |
| Off-site WCA being provided on this property (afforestation)                                            | 0.00        |
| Off-site WCA being provided on this property (afforestation)                                            | 0.00        |
| Cumulative acres of Net Tract Woodland cleared                                                          | 51.43       |
| Cumulative acres of Floodplain woodland cleared                                                         | 0.41        |
| Smaller of 14 or 25                                                                                     | 51.43       |
| Woodland Clearing below WCT                                                                             | 0.00        |
| Clearing below WCT (2:1 replacement requirement)                                                        | 0.00        |
| Replacement for clearing above the WCT (0.25:1)                                                         | 12.68       |
| Replacement for clearing below the WCT (2:1)                                                            | 0.00        |
| Afforestation Required                                                                                  | 0.00        |
| Threshold (AFT) =                                                                                       | 20.00%      |
| Cumulative Woodland Conservation Required                                                               | 64.01       |

| SECTION III - Meeting the Requirements                       |       |
|--------------------------------------------------------------|-------|
| Woodland Preservation                                        | 16.90 |
| Afforestation/Reforestation                                  | 2.76  |
| Natural Regeneration                                         | 0.58  |
| Landscaping Credits                                          | 0.00  |
| Specimen & Historic Tree (CR2 area)                          | 0.00  |
| Specimen & Historic Tree Credit                              | 0.00  |
| Forest Enhancement Credit (25% of enhancement area)          | 0.00  |
| Street Tree Credit (Existing or 10-year canopy)              | 0.00  |
| Area approved for fee-in-lieu                                | 0.00  |
| Off-site Woodland Conservation Credits Required              | 12.70 |
| Off-site WCA (preservation) being provided on this property  | 0.00  |
| Off-site WCA (afforestation) being provided on this property | 0.00  |
| Cumulative Woodland Conservation Provided                    | 32.38 |
| Woodland saved on this phase but not counted                 | 0.00  |
| Existing Net Tract Woodland in later phases                  | 80.99 |
| Requirement Status per Phase                                 | 68.72 |



VICINITY MAP  
P.G. CO MAP PAGE 15  
SCALE: N.T.S. GRID A-6

THE MARYLAND-NATIONAL CAPITAL PARK AND PLANNING COMMISSION  
APPLICATION NAME: COLLINGBROOK, NOISE BARRIER  
APPLICATION NO.: DSP-18048-01  
TCP NO.: TCP2-100-03-13  
SIGNATURE APPROVAL OF THIS PLAN IS IN ACCORDANCE WITH PLANNING DIRECTOR APPROVAL DATED FEBRUARY 9, 2022.  
SIGNATURE APPROVAL DATE: 11/22/2021  
Jill Kosack  
Authorized Signature

PROPERTY OWNERS AWARENESS CERTIFICATE  
I, We, Collingbrook Development, LLC, hereby acknowledge that we are aware of this Type 2 Tree Conservation Plan (TCP2) and that we understand the requirements set forth in this TCP2.  
I, We, hereby acknowledge that we are aware of this Type 2 Tree Conservation Plan (TCP2) and that we understand the requirements set forth in this TCP2.  
Contract Purchaser: Date:

TREE CONSERVATION PLAN CERTIFIED BY:  
I hereby certify that the information on this plan is true and accurate and meets the minimum standards provided in the Prince George's County Environmental Technical Manual. I hereby certify that I have either personally prepared the plan or reviewed the work of others for accuracy and completeness.  
1/18/22  
Date: SALLIE P. STEWART  
MD Registered Landscape Architect #612  
Exp. Date: 09/08/2023  
Seal not valid without signature

| Prince George's County Planning Department, M-NCPPC<br>Environmental Planning Section<br>TYPE 2 TREE CONSERVATION PLAN APPROVAL<br>TCP2-100-03 |           |      |                     |
|------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------|---------------------|
| Approved By                                                                                                                                    | Date      | DR # | Reason for Revision |
| 00 J.M.                                                                                                                                        | 6/23/2003 |      |                     |
| 01 J.M.                                                                                                                                        | 5/16/2004 |      |                     |
| 02 J.M.                                                                                                                                        | 7/28/2004 |      |                     |
| 03 J.M.                                                                                                                                        | 12/8/2004 |      |                     |
| 04 L.S.                                                                                                                                        | 6/3/2004  |      |                     |
| 05 L.S.                                                                                                                                        | 2/23/2006 |      |                     |
| 06 K.S.                                                                                                                                        | 5/6/2009  |      |                     |
| 07 MEGAN K. REISER                                                                                                                             | 2/13/2012 |      |                     |
| 08 MEGAN K. REISER                                                                                                                             | 4/10/2012 |      |                     |
| 09 MEGAN K. REISER                                                                                                                             | 4/10/2012 |      |                     |
| 10 MEGAN K. REISER                                                                                                                             | 7/21/2013 |      |                     |
| 11 MEGAN K. REISER                                                                                                                             |           |      |                     |
| 12 MEGAN K. REISER                                                                                                                             | 3/15/2018 |      |                     |
| 13 Mary Rea                                                                                                                                    | 2/2/22    |      |                     |

UPDATES/REVISIONS:  
11/22/21 Revise Ph. 3C and 3B1 to reflect areas of natural regeneration  
01/18/22 Revise plan per P&P comments

TYPE 2-TREE CONSERVATION PLAN  
TCP2-100-03  
TRIANGLE/COLLINGBROOK  
QUEEN ANNE ELECTION DISTRICT NUMBER 7  
PRINCE GEORGE'S COUNTY, MARYLAND

CPJ Charles P. Johnson & Associates, Inc.  
Civil and Environmental Engineers • Planners • Landscape Architects • Surveyors  
1751 Elton Rd., Ste. 200 Silver Spring, MD 20903 301-434-7000 Fax: 301-434-9394  
www.cpja.com • Silver Spring, MD • Gaithersburg, MD • Annapolis, MD • Greenbelt, MD • Frederick, MD • Fairfax, VA  
CLIENT: Carus Homes 2303 Ballwin Avenue, Suite 200 Crefton, MD 21034  
PROJECT: 205N22 TAX MAP: 5402  
DESIGN: SPS SHEET: 12  
DRAFT: DDL  
DATE: NOV. 2021  
SCALE: 1" = 200'  
FILE NO.: 2019-452-21-D  
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FOREST TO REMAIN  
WR-B-0.23 AC

FOREST SAVED, BUT  
CONSIDERED CLEARED  
C17 -0.02 AC

FOREST TO REMAIN  
WR-A - 10.86 AC

AFFORESTATION/  
REFORESTATION  
AREA 12'-0.11 AC

MATCH LINE SEE SHET 6

MATCH LINE SEE SHET 7

MATCH LINE SEE SHET 3

STEPHANIE S. MERKEL  
LIBER: 9803 @ FOLIO: 620

CERTIFICATION  
THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE MARYLAND DEPARTMENT  
OF NATURAL RESOURCES FOREST CONSERVATION ACT, AND THE PRINCE GEORGE'S  
COUNTY WOODLAND PRESERVATION ORDINANCE. THE PREPARED IS A LICENSED  
PROFESSIONAL AND/OR A QUALIFIED PROFESSIONAL UNDER COMAR 08.19.06.01.

NAME: ZIYAD SHALABY SIGNATURE: DATE: Feb. 16, 2018

FOREST SAVED, BUT  
CONSIDERED CLEARED  
C3 -0.12 AC

FOREST SAVED, BUT  
CONSIDERED CLEARED  
C4 - 0.04 AC

FOREST SAVED, BUT  
CONSIDERED CLEARED  
C1 -0.01 AC

FOREST SAVED, BUT  
CONSIDERED CLEARED  
C5 - 0.19 AC.

FOREST TO REMAIN  
WR-D - 6.48 AC

FOREST TO REMAIN  
WR-C - 0.36 AC

FOREST SAVED, BUT  
CONSIDERED CLEARED  
C2 -0.16 AC

LEGEND:

- PMMA - PRIMARY MANAGEMENT AREA (PMA)
- UNMITIGATED NOISE CONTOUR
- SB - STREAM BUFFER
- FP - 100 YEAR FLOODPLAIN
- FP BRL - FLOODPLAIN BUILDING RESTRICTION LINE
- EDGE OF WATER OF THE US
- EXISTING TREELINE
- T38 - SPECIMEN TREE TO REMAIN
- T38X - SPECIMEN TREE TO BE REMOVED
- W - WETLANDS
- WB - WETLANDS BUFFER
- STORM DRAIN HEADWALL
- FOREST SAVED, BUT CONSIDERED CLEARED
- OP AFFORESTATION/REFORESTATION AREA
- WOODLAND PRESERVATION
- FOREST IN FLOODPLAIN SAVED, BUT NOT COUNTED
- LIMITS OF CRITICAL ROOT ZONE
- ROOT PRUNING LINE
- LIMITS OF DISTURBANCE

- TEMPORARY TREE SAVE SIGN TO BE INSTALLED PRIOR TO CONSTRUCTION, AND TO BE REMOVED AT THE TIME OF INSTALLATION OF PERMANENT TREE SAVE SIGNS
- PERMANENT TREE SAVE SIGN TO BE INSTALLED POST CONSTRUCTION
- TEMPORARY TREE SAVE FENCE TO BE INSTALLED PRIOR TO CONSTRUCTION BUT REMOVED AT TIME OF AFFORESTATION (SEE TREE SAVE SILT FENCE DETAIL)
- AFFORESTATION/PERMANENT TREE SAVE SPLIT-RAIL FENCING (SEE SPLIT-RAIL FENCING DETAIL)

| Prince George's County Planning Department, M-NGPPC<br>Environmental Planning Section<br>TYPE 2 TREE CONSERVATION PLAN APPROVAL<br>TCP2-100-03 |                  |           |                     |                                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-----------|---------------------|-------------------------------------------------|
| Approved by                                                                                                                                    | Date             | DRD #     | Reason for Revision |                                                 |
| 01                                                                                                                                             | J.M.             | 5/18/2004 |                     |                                                 |
| 02                                                                                                                                             | J.M.             | 7/28/2004 |                     |                                                 |
| 03                                                                                                                                             | J.M.             | 12/8/2004 |                     |                                                 |
| 04                                                                                                                                             | L.S.             | 6/3/2004  |                     |                                                 |
| 05                                                                                                                                             | L.S.             | 2/23/2006 |                     |                                                 |
| 06                                                                                                                                             | K.S.             | 5/6/2009  |                     |                                                 |
| 07                                                                                                                                             | MEGAN K. REISSER | 2/13/2012 |                     |                                                 |
| 08                                                                                                                                             | MEGAN K. REISSER | 4/10/2012 |                     |                                                 |
| 09                                                                                                                                             | MEGAN K. REISSER | 7/31/2013 |                     |                                                 |
| 10                                                                                                                                             | MEGAN K. REISSER | 7/31/2013 |                     | LOT 380                                         |
| 11                                                                                                                                             | MEGAN K. REISSER |           |                     | LOT 380                                         |
| 12                                                                                                                                             | MEGAN K. REISSER | 3/15/2018 |                     | MOVED LOTS FROM 30 & 30 TO 30 AND FROM 30 TO 30 |
| 13                                                                                                                                             | Mary Lea         | 2/2/22    |                     | REVISE LOTS 19A-34A, 400-430, 12E-19E           |

Petra Engineering LLC

5840 BANNER ROAD, SUITE 100  
COLUMBIA, MARYLAND 21044  
OFFICE (443) 276-0310  
FAX (443) 276-0319

| NO. | REVISION                                                       | BY  | DATE     | CHECKED | DATE | DESIGNED | TECHNICIAN | PLAN LOCATION                | JOB NO. |
|-----|----------------------------------------------------------------|-----|----------|---------|------|----------|------------|------------------------------|---------|
| 1   | Revise Ph. 3C and 3B1 to reflect areas of natural regeneration | SPS | 11/22/21 | NEG     |      | NEG      | NEG        | 1007/ENG/ENV/TCP2/CP2_S2_SHT | 1007    |
|     |                                                                |     |          | KVC     |      |          |            | PEN TABLE                    |         |
|     |                                                                |     |          |         |      |          |            | X LEVEL SYMBOL               |         |

SCALE

1"=50'

JOB NO.

1007

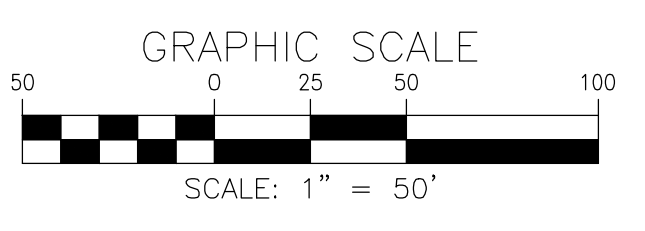
TREE CONSERVATION PLAN TYPE II

TREE CONSERVATION PLAN TYPE II

TRIANGLE/COLLINGBROOK

14 TH ELECTION DISTRICT  
PRINCE GEORGE'S COUNTY, MD

TOTAL SHEETS IN SET



**PROPERTY OWNERS AWARENESS CERTIFICATE**

I, We, Charles P. Johnson & Associates, Inc., hereby acknowledge that we are aware of this Type 2 Tree Conservation Plan (TCP2) and that we understand the requirements as set forth in this TCP2.

Owner or Client Representative: [Signature] Date: 11/30/2021

I, We, [Signature], hereby acknowledge that we are aware of this Type 2 Tree Conservation Plan (TCP2) and that we understand the requirements as set forth in this TCP2.

Contract Purchaser: \_\_\_\_\_ Date: \_\_\_\_\_

**TREE CONSERVATION PLAN CERTIFIED BY:**

I hereby certify that the information on this plan is true and accurate and meets the minimum standards provided in the Prince George's County Environmental Fencing Manual. I hereby certify that I have either personally prepared the plan or reviewed the work of others for accuracy and completeness.

Date: 1/18/22 [Signature]

SALLIE P. STEWART  
MD Registered Landscape Architect #612  
Exp. Date: 09/08/2023

Seal not valid without signature

| Prince George's County Planning Department, M-NCPCC<br>Environmental Planning Section<br>TYPE 2 TREE CONSERVATION PLAN APPROVAL<br>TCP2-100-03 |                 |           |                                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------|-------------------------------------------------|
| Approved by                                                                                                                                    | Date            | ORD #     | Reason for Revision                             |
| 00                                                                                                                                             | J.M.            | 6/23/2003 |                                                 |
| 01                                                                                                                                             | J.M.            | 5/18/2004 |                                                 |
| 02                                                                                                                                             | J.M.            | 7/28/2004 |                                                 |
| 03                                                                                                                                             | J.M.            | 12/8/2004 |                                                 |
| 04                                                                                                                                             | L.S.            | 6/3/2004  |                                                 |
| 05                                                                                                                                             | L.S.            | 2/23/2006 |                                                 |
| 06                                                                                                                                             | K.S.            | 5/6/2009  |                                                 |
| 07                                                                                                                                             | MEGAN K. REISER | 2/13/2012 |                                                 |
| 08                                                                                                                                             | MEGAN K. REISER | 4/10/2012 |                                                 |
| 09                                                                                                                                             | MEGAN K. REISER | 4/10/2012 |                                                 |
| 10                                                                                                                                             | MEGAN K. REISER | 7/31/2013 | LOT 39D                                         |
| 11                                                                                                                                             | MEGAN K. REISER |           | LOT 38D                                         |
| 12                                                                                                                                             | MEGAN K. REISER | 3/15/2018 | MOVED LOTS FROM 3D & 3D TO 3C AND FROM 3D TO 3E |
| 13                                                                                                                                             | MEGAN K. REISER | 2/2/22    | REVISE LOTS 19A-34A, 40D-43D, 12E-19E           |
| 14                                                                                                                                             | MEGAN K. REISER |           |                                                 |

**DEVELOPER/APPLICANT**

Caruso Homes  
2020 Baldwin Avenue, Suite 200  
Crofton, MD 21114  
Email: info@carushomes.com

**ENGINEER/LANDSCAPE ARCHITECT**

Charles P. Johnson & Associates, Inc.  
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Fax: (301) 434-9394  
Email: steve@cpja.com

**AFFORESTATION/  
REFORESTATION  
AREA  
'13'- 0.40 AC**



**LEGEND:**

- PMA— PRIMARY MANAGEMENT AREA (PMA)
- UNMITIGATED NOISE CONTOUR— UNMITIGATED NOISE CONTOUR
- SB— STREAM BUFFER
- FP— 100 YEAR FLOODPLAIN
- FP BRL— FLOODPLAIN BUILDING RESTRICTION LINE
- EOW— EDGE OF WATER OF THE US
- ETL— EXISTING TREELINE
- RP— ROOT PRUNING LINE

- NRA— NATURAL REGENERATION AREA (NRA)
- WB— WETLANDS BUFFER
- FSA— FOREST SAVED, BUT CONSIDERED CLEARED (WP-A)
- FSA— AFFORESTATION/REFORESTATION AREA (NRA)
- WRA— WOODLAND PRESERVATION (WPA)
- FSA— FOREST IN FLOODPLAIN SAVED, BUT NOT COUNTED (WP-NC)
- LCTR— LIMITS OF CRITICAL ROOT ZONE

- RP/TFF— ROOT PRUNING AND TEMPORARY TREE SAVE FENCE TO BE INSTALLED PRIOR TO CONSTRUCTION BUT TO BE REMOVED AT TIME OF AFFORESTATION. (SEE TREE SAVE SILT FENCE DETAIL)
- LSD/N— LIMITS OF DISTURBANCE AND AFFORESTATION/PERMANENT TREE SAVE SPLIT-RAIL FENCING (SEE SPLIT-RAIL FENCING DETAIL)
- LOD— LIMITS OF DISTURBANCE AND AFFORESTATION/PERMANENT TREE SAVE SPLIT-RAIL FENCING (SEE SPLIT-RAIL FENCING DETAIL)
- TS— TEMPORARY TREE SAVE SIGN TO BE INSTALLED PRIOR TO CONSTRUCTION, AND TO BE REMOVED AT THE TIME OF INSTALLATION OF PERMANENT TREE SAVE SIGNS
- TS— PERMANENT TREE SAVE SIGN TO BE INSTALLED POST CONSTRUCTION
- TS— TEMPORARY TREE SAVE FENCE TO BE INSTALLED PRIOR TO CONSTRUCTION BUT REMOVED AT TIME OF AFFORESTATION (SEE TREE SAVE SILT FENCE DETAIL)
- TS— AFFORESTATION/PERMANENT TREE SAVE SPLIT-RAIL FENCING (SEE SPLIT-RAIL FENCING DETAIL)

UPDATES/REVISIONS:

|          |                                                                |
|----------|----------------------------------------------------------------|
| 11/22/21 | Revised Ph. 3C and 3B to reflect areas of natural regeneration |
| 01/18/22 | Revised plan per P&P comments                                  |

**TYPE 2-TREE CONSERVATION PLAN**  
TCP2-100-03

**TRIANGLE/COLLINGBROOK**  
QUEEN ANNE ELECTION DISTRICT NUMBER 7  
PRINCE GEORGE'S COUNTY, MARYLAND

**CPJ** Charles P. Johnson & Associates, Inc.  
Civil and Environmental Engineers • Planners • Landscape Architects • Surveyors

1751 Elton Rd., Ste. 300 Silver Spring, MD 20903 301-434-7000 Fax: 301-434-9394  
www.cpja.com • Silver Spring, MD • Gaithersburg, MD • Annapolis, MD • Greenbelt, MD • Frederick, MD • Fairfax, VA

CLIENT: Caruso Homes  
2020 Baldwin Avenue, Suite 200  
Crofton, MD 21114

|             |           |
|-------------|-----------|
| ISSUE SHEET | TAX MAP   |
| 202502      | 5402      |
| DESIGN      | SFS       |
| DRAFT       | DHL       |
| DATE        | NOV. 2021 |
| SCALE       | 1" = 50'  |

|                |    |
|----------------|----|
| SHEET          | OF |
| 3              | 12 |
| FILE NO.       |    |
| 2019-1452-21-D |    |

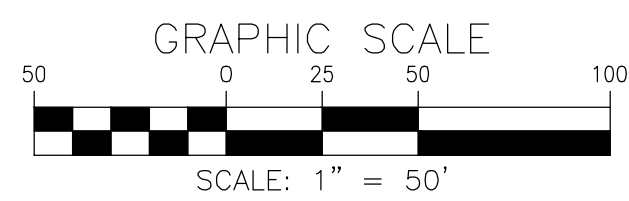
COPYRIGHT © LATEST DATE HERON CHARLES P. JOHNSON & ASSOCIATES, INC. ALL RIGHTS RESERVED. UNAUTHORIZED USE OR REPRODUCTION IS PROHIBITED.



LEGEND:

- PMA PRIMARY MANAGEMENT AREA (PMA)
- UNMITIGATED NOISE CONTOUR
- SB STREAM BUFFER
- FP 100 YEAR FLOODPLAIN
- FP BRL FLOODPLAIN BUILDING RESTRICTION LINE
- EDGE OF WATER OF THE US
- EXISTING TREELINE
- T38 SPECIMEN TREE TO REMAIN
- T38 SPECIMEN TREE TO BE REMOVED
- W WETLANDS
- WB WETLANDS BUFFER
- Forest Saved, But Considered Cleared (WP-AC)
- Afforestation/Reforestation (WRA)
- Woodland Preservation (WPA)
- Forest in Floodplain Saved, But Not Counted (WP-NC)

- TEMPORARY TREE SAVE SIGN TO BE INSTALLED PRIOR TO CONSTRUCTION AND TO BE REMOVED AT THE TIME OF INSTALLATION OF PERMANENT TREE SAVE SIGN
- PERMANENT TREE SAVE SIGN TO BE INSTALLED POST CONSTRUCTION
- TEMPORARY TREE SAVE FENCE TO BE INSTALLED PRIOR TO CONSTRUCTION BUT REMOVED AT TIME OF AFFORESTATION (SEE TREE SAVE SILT FENCE DETAIL)
- AFFORESTATION/PERMANENT TREE SAVE SPLIT-RAIL FENCING (SEE SPLIT-RAIL FENCING DETAIL)
- LIMITS OF CRITICAL ROOT ZONE
- ROOT PRUNING LINE
- LIMITS OF DISTURBANCE
- STORM DRAIN HEADWALL
- ROOT PRUNING AND TEMPORARY TREE SAVE FENCE TO BE INSTALLED PRIOR TO CONSTRUCTION BUT TO BE REMOVED AT TIME OF AFFORESTATION (SEE TREE SAVE SILT FENCE DETAIL)
- LIMITS OF DISTURBANCE AND AFFORESTATION/PERMANENT TREE SAVE SPLIT-RAIL FENCING (SEE SPLIT-RAIL FENCING DETAIL)
- NATURAL REGENERATION AREA (NRA)



PROPERTY OWNERS AWARENESS CERTIFICATE

I, We, Collingbrook Development, LLC, hereby acknowledge that we are aware of this Type 2 Tree Conservation Plan (TCP2) and that we understand the requirements as set forth in this TCP2.

Owner/Client Representative: [Signature] Date: 11/15/2021

I, We, [Signature], hereby acknowledge that we are aware of this Type 2 Tree Conservation Plan (TCP2) and that we understand the requirements as set forth in this TCP2.

Contract Purchaser: \_\_\_\_\_ Date: \_\_\_\_\_

TREE CONSERVATION PLAN CERTIFIED BY:

I hereby certify that the information on this plan is true and accurate and meets the minimum standards provided in the Prince George's County Environmental Technical Manual. I hereby certify that I have either personally prepared the plan or reviewed the work of others for accuracy and completeness.

Date: 11/18/22 [Signature]

SALLIE P. STEWART  
MD Registered Landscape Architect #612  
Exp. Date: 09/08/2023

| Prince George's County Planning Department, M-NCPPC<br>Environmental Planning Section<br>TYPE 2 TREE CONSERVATION PLAN APPROVAL<br>TCP2-100-03 |                 |           |                                                 |  |
|------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------|-------------------------------------------------|--|
| Approved by                                                                                                                                    | Date            | DRD #     | Reason for Revision                             |  |
| 00                                                                                                                                             | J.M.            | 6/23/2003 |                                                 |  |
| 01                                                                                                                                             | J.M.            | 5/18/2004 |                                                 |  |
| 02                                                                                                                                             | J.M.            | 7/28/2004 |                                                 |  |
| 03                                                                                                                                             | J.M.            | 12/8/2004 |                                                 |  |
| 04                                                                                                                                             | L.S.            | 6/3/2004  |                                                 |  |
| 05                                                                                                                                             | L.S.            | 2/23/2006 |                                                 |  |
| 06                                                                                                                                             | K.S.            | 5/6/2009  |                                                 |  |
| 07                                                                                                                                             | MEGAN K. REISER | 2/13/2012 |                                                 |  |
| 08                                                                                                                                             | MEGAN K. REISER | 4/10/2012 |                                                 |  |
| 09                                                                                                                                             | MEGAN K. REISER | 4/10/2012 |                                                 |  |
| 10                                                                                                                                             | MEGAN K. REISER | 7/31/2013 |                                                 |  |
| 11                                                                                                                                             | MEGAN K. REISER |           | LOT 39D                                         |  |
| 12                                                                                                                                             | MEGAN K. REISER | 3/15/2018 | MOVED LOTS FROM 3D & 3D TO 3C AND FROM 3D TO 3E |  |
| 13                                                                                                                                             | May Rea         | 2/2/22    | REVISED LOTS 19A-34A, 40D-43D, 12E-19E          |  |
| 14                                                                                                                                             |                 |           |                                                 |  |

| UPDATES/REVISIONS: |                                                                 |
|--------------------|-----------------------------------------------------------------|
| 11/22/21           | Revised Ph. 3C and 3B1 to reflect areas of natural regeneration |
| 01/18/22           | Revised plan per P&P comments                                   |
|                    |                                                                 |
|                    |                                                                 |
|                    |                                                                 |

TYPE 2-TREE CONSERVATION PLAN  
TCP2-100-03  
TRIANGLE/COLLINGBROOK  
QUEEN ANNE ELECTION DISTRICT NUMBER 7  
PRINCE GEORGE'S COUNTY, MARYLAND

|                                                                                                                                                                                                                                                                                                                         |                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>CPJ</b> Charles P. Johnson & Associates, Inc.<br>Civil and Environmental Engineers • Planners • Landscape Architects • Surveyors<br>1751 Elton Rd., Ste. 300 Silver Spring, MD 20903 301-434-7000 Fax: 301-434-9394<br>www.cpj.com • Silver Spring, MD • Annapolis, MD • Greenbelt, MD • Frederick, MD • Fairfax, VA |                                                                                       |
| CLIENT: Caruso Homes<br>2200 Baldwin Avenue, Suite 200<br>Crofton, MD 21114                                                                                                                                                                                                                                             | ISSUE GRID: 205NE2<br>DESIGN: SPS<br>DRAFT: DHI<br>DATE: NOV. 2021<br>SCALE: 1" = 50' |
| TAX MAP: 54D2<br>SHEET: 4<br>OF: 12<br>FILE NO.: 2019-1452-21-D                                                                                                                                                                                                                                                         |                                                                                       |
| COPYRIGHT © LATEST DATE HERON CHARLES P. JOHNSON & ASSOCIATES, INC. ALL RIGHTS RESERVED. UNAUTHORIZED USE OR REPRODUCTION IS PROHIBITED.                                                                                                                                                                                |                                                                                       |

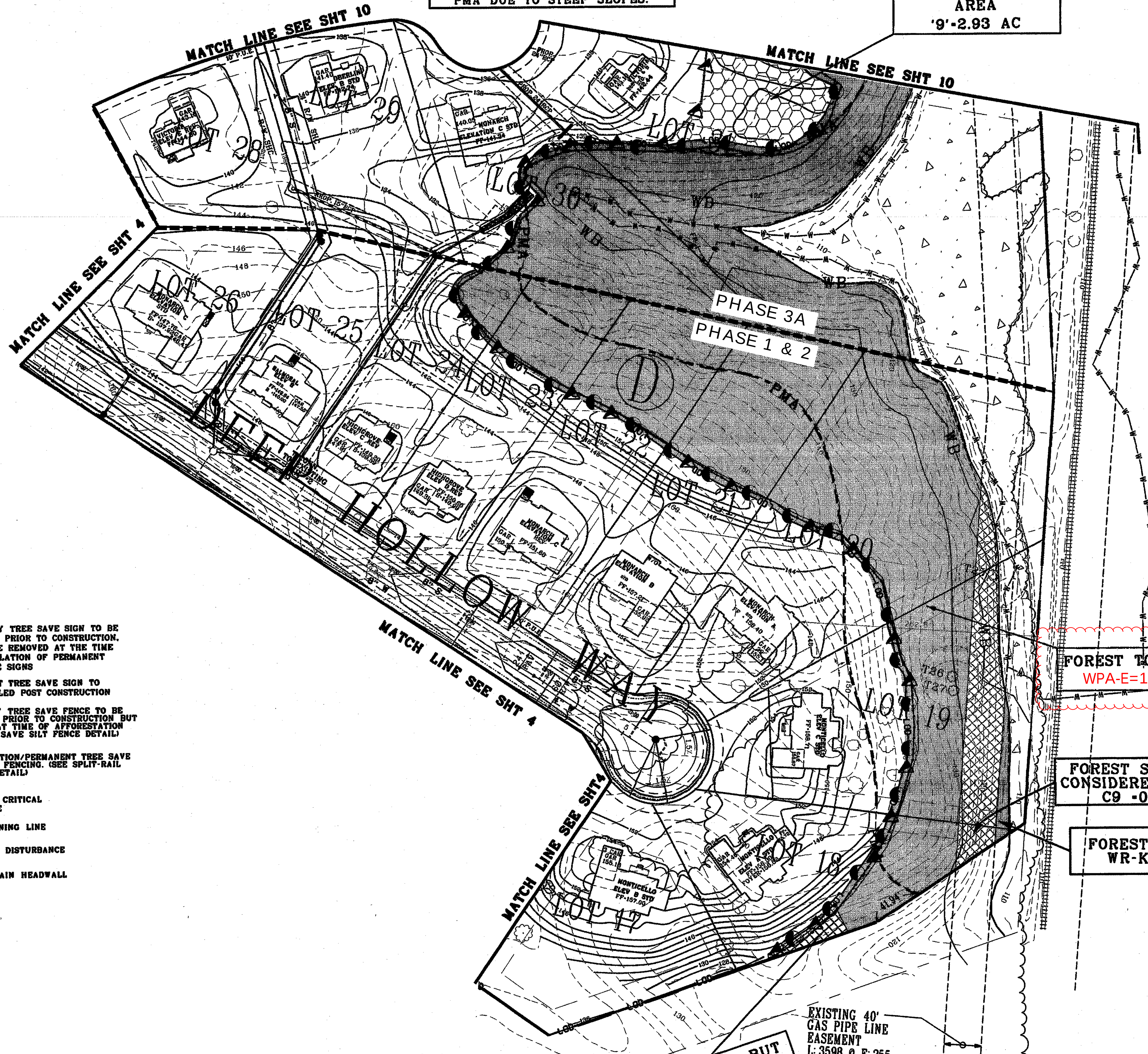
|                                                                                                                          |                                                                                                                                                                                                         |
|--------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DEVELOPER/APPLICANT<br>Caruso Homes<br>2200 Baldwin Avenue, Suite 200<br>Crofton, MD 21114<br>Email: info@carushomes.com | ENGINEER/LANDSCAPE ARCHITECT<br>Charles P. Johnson & Associates, Inc.<br>1751 Elton Road, Suite 300<br>Silver Spring, MD 20903<br>Tel: (301) 434-7000<br>Fax: (301) 434-9394<br>Email: cjohnson@cpj.com |
|--------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



LOT 30, BLOCK D HAS LESS THAN 40' REAR YARD. THE LIMITS OF DISTURBANCE IS BOUNDED BY A PMA DUE TO STEEP SLOPES.

AFFORESTATION/  
REFORESTATION  
AREA  
'9'-2.93 AC

COLLINGTON BRANCH



LEGEND:

- PMA - PRIMARY MANAGEMENT AREA (PMA)
- UNMITIGATED NOISE CONTOUR
- SB - STREAM BUFFER
- FP - 100 YEAR FLOODPLAIN
- FP BRL - FLOODPLAIN BUILDING RESTRICTION LINE
- EDGE OF WATER OF THE US
- EXISTING TREELINE
- T38 - SPECIMEN TREE TO REMAIN
- T38 - SPECIMEN TREE TO BE REMOVED
- W - WETLANDS
- WB - WETLANDS BUFFER
- FOREST SAVED, BUT CONSIDERED CLEARED
- AFFORESTATION/  
REFORESTATION  
AREA
- WOODLAND PRESERVATION
- FOREST IN FLOODPLAIN  
SAVED, BUT NOT COUNTED
- TEMPORARY TREE SAVE SIGN TO BE INSTALLED PRIOR TO CONSTRUCTION, AND TO BE REMOVED AT THE TIME OF INSTALLATION OF PERMANENT TREE SAVE SIGNS
- PERMANENT TREE SAVE SIGN TO BE INSTALLED POST CONSTRUCTION
- TEMPORARY TREE SAVE FENCE TO BE INSTALLED PRIOR TO CONSTRUCTION BUT REMOVED AT TIME OF AFFORESTATION (SEE TREE SAVE SILT FENCE DETAIL)
- AFFORESTATION/PERMANENT TREE SAVE SPLIT-RAIL FENCING (SEE SPLIT-RAIL FENCING DETAIL)
- LIMITS OF CRITICAL ROOT ZONE
- RP - ROOT PRUNING LINE
- LOD - LIMITS OF DISTURBANCE
- STORM DRAIN HEADWALL

FOREST TO REMAIN  
WPA-E-11.47 AC

FOREST SAVED, BUT  
CONSIDERED CLEARED  
C9 - 0.29 AC

FOREST TO REMAIN  
WR-K - 0.03 AC

FOREST SAVED, BUT  
CONSIDERED CLEARED  
C12 - 0.04 AC

NOTE: IMPACT TO THE PMA HAS BEEN REDUCED BY REVISING THE GRADING FOR THE HOUSES ON LOTS 20-24, BLOCK D.

EXISTING 40' GAS PIPE LINE EASEMENT  
L: 3598 @ F: 255

TREE CONSERVATION PLAN CERTIFIED BY:  
I hereby certify that the information on this plan is true and accurate and meets the minimum standards provided in the Prince George's County Environmental Technical Manual. I hereby certify that I have either personally prepared the plans or reviewed the work of others for accuracy and completeness.  
Date: 12/2/2021  
SALLIE P. STEWART  
MD Registered Landscape Architect #612  
Exp. Date: 09/08/2023  
Seal not valid without signature



| Prince George's County Planning Department, M-NCPPC<br>Environmental Planning Section<br>TYPE 2 TREE CONSERVATION PLAN APPROVAL<br>TCP2-100-03 |                 |           |                     |
|------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------|---------------------|
| Approved by                                                                                                                                    | Date            | DRD #     | Reason for Revision |
| 00                                                                                                                                             | J.M.            | 6/23/2003 |                     |
| 01                                                                                                                                             | J.M.            | 5/18/2004 |                     |
| 02                                                                                                                                             | J.M.            | 7/28/2004 |                     |
| 03                                                                                                                                             | J.M.            | 12/8/2004 |                     |
| 04                                                                                                                                             | L.S.            | 6/3/2004  |                     |
| 05                                                                                                                                             | L.S.            | 2/23/2006 |                     |
| 06                                                                                                                                             | K.S.            | 5/6/2009  |                     |
| 07                                                                                                                                             | MEGAN K. REISER | 2/13/2012 |                     |
| 08                                                                                                                                             | MEGAN K. REISER | 4/10/2012 |                     |
| 09                                                                                                                                             | MEGAN K. REISER | 7/31/2013 |                     |
| 10                                                                                                                                             | MEGAN K. REISER | 3/15/2018 |                     |
| 11                                                                                                                                             | MEGAN K. REISER | 2/2/22    |                     |
| 12                                                                                                                                             | Mary Rea        |           |                     |
| 13                                                                                                                                             |                 |           |                     |
| 14                                                                                                                                             |                 |           |                     |

FOREST SAVED, BUT  
CONSIDERED CLEARED  
C15 - 0.04 AC

MD ROUTE 50  
(VARIABLE R/W)  
(MARYLAND SRC PLAT 49737 & 49740)

FOREST TO REMAIN  
WR-A - 8.98 AC

AFFORESTATION/  
REFORESTATION  
AREA 11 - 1.16 AC

PARCEL "A"  
LIBER M-NCPPC  
19431 FOLIO 728  
AREA = 21.1 AC

FOREST TO REMAIN  
WR-B - 0.23 AC

RP RP ROOT PRUNING LINE  
LOO LIMITS OF DISTURBANCE  
L STORM DRAIN HEADWALL

LEGEND:

PMA PRIMARY MANAGEMENT AREA (PMA)  
UNMITIGATED 65dBA LINE  
SB STREAM BUFFER  
FP 100 YEAR FLOODPLAIN  
PP BRL FLOODPLAIN BUILDING RESTRICTION LINE  
EDGE OF WATER OF THE US  
EXISTING TREELINE

T38 SPECIMEN TREE TO REMAIN  
T38 SPECIMEN TREE TO BE REMOVED

W WETLANDS  
WB WETLANDS BUFFER

FOREST SAVED, BUT  
CONSIDERED CLEARED

WOODLAND PRESERVATION

AFFORESTATION/  
REFORESTATION  
AREA

FOREST IN FLOODPLAIN  
SAVED, BUT NOT COUNTED

TEMPORARY TREE SAVE SIGN TO BE  
INSTALLED PRIOR TO CONSTRUCTION,  
AND TO BE REMOVED AT THE TIME  
OF INSTALLATION OF PERMANENT  
TREE SAVE SIGNS

PERMANENT TREE SAVE SIGN TO  
BE INSTALLED POST CONSTRUCTION

TEMPORARY TREE SAVE FENCE TO BE  
INSTALLED PRIOR TO CONSTRUCTION BUT  
REMOVED AT TIME OF AFFORESTATION  
(SEE TREE SAVE SILT FENCE DETAIL)

AFFORESTATION/PERMANENT TREE SAVE  
SPLIT-RAIL FENCING (SEE SPLIT-RAIL  
FENCING DETAIL)

CERTIFICATION

THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE MARYLAND DEPARTMENT  
OF NATURAL RESOURCES FOREST CONSERVATION ACT, AND THE PRINCE GEORGE'S  
COUNTY WOODLAND PRESERVATION ORDINANCE. THE PREPARED IS A LICENSED  
PROFESSIONAL AND/OR A QUALIFIED PROFESSIONAL UNDER COMAR 08.19.06.01.

ZIYAD SHALABI

*Ziyad Shalabi*

Feb. 16, 2018

NAME

SIGNATURE

DATE

THE MARYLAND NATIONAL CAPITAL  
PLANNING COMMISSION  
APPROVAL: COLLEEN BROWN, CHAIR  
TOPIC: 100-03-03  
REVIEWER: JILL KOSACK  
DATE: 2/22/22

| Prince George's County Planning Department, M-NCPPC<br>Environmental Planning Section<br>TYPE 2 TREE CONSERVATION PLAN APPROVAL<br>TCP2-100-03 |           |       |                     |                                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------|---------------------|-------------------------------------------------|
| Approved by                                                                                                                                    | Date      | ORD # | Reason for Revision |                                                 |
| 00 J.M.                                                                                                                                        | 6/23/2003 |       |                     |                                                 |
| 01 J.M.                                                                                                                                        | 5/18/2004 |       |                     |                                                 |
| 02 J.M.                                                                                                                                        | 7/28/2004 |       |                     |                                                 |
| 03 J.M.                                                                                                                                        | 12/8/2004 |       |                     |                                                 |
| 04 L.S.                                                                                                                                        | 6/3/2004  |       |                     |                                                 |
| 05 L.S.                                                                                                                                        | 2/23/2006 |       |                     |                                                 |
| 06 K.S.                                                                                                                                        | 5/6/2009  |       |                     |                                                 |
| 07 MEGAN K. REISER                                                                                                                             | 2/13/2012 |       |                     |                                                 |
| 08 MEGAN K. REISER                                                                                                                             | 4/10/2012 |       |                     |                                                 |
| 09 MEGAN K. REISER                                                                                                                             | 4/10/2012 |       |                     |                                                 |
| 10 MEGAN K. REISER                                                                                                                             | 7/31/2013 |       |                     | LOT 390                                         |
| 11 MEGAN K. REISER                                                                                                                             |           |       |                     | LOT 380                                         |
| 12 MEGAN K. REISER                                                                                                                             | 3/15/2018 |       |                     | MOVED LOTS FROM 30 & 30 TO 3C AND FROM 3D TO 3E |
| 13 Mary Lee                                                                                                                                    | 2/22/22   |       |                     | REVISE LOTS 19A-34A, 400-430, 12E-19E           |
| 14                                                                                                                                             |           |       |                     |                                                 |

Petra Engineering LLC

5840 BANNER ROAD, SUITE 100  
COLUMBIA, MARYLAND 21044  
OFFICE (443) 276-0310  
FAX (443) 276-0319

DATE

MARCH 2009

DESIGNED NEG

TECHNICIAN NEG

CHECKED KVC

PLAN LOCATION 1007/ENG/ENV/TCP2/TCP2-SH2

PEN TABLE X LEVEL SYMBOLS

SCALE

1"=50'

JOB NO.

1007

TREE CONSERVATION PLAN TYPE II

TREE CONSERVATION PLAN TYPE II

TRIANGLE/COLLINGBROOK

14 TH ELECTION DISTRICT  
PRINCE GEORGE'S COUNTY, MD

SHEET

6 OF

12

TOTAL SHEETS IN SET 12





MATCH LINE SEE SHT 3

LOTS 16-27/ BLOCK A  
LDSP LOTS CLEARED  
FOR BORROW AREA

WRA-3  
=0.23 AC

MATCH LINE SEE SHT 7

US ROUTE 50

AFFORESTATION/  
REFORESTATION  
AREA  
WRA-5=2.00 AC

LEGEND:

- PMA — PRIMARY MANAGEMENT AREA (PMA)
- UNMITIGATED NOISE CONTOUR
- SB — STREAM BUFFER
- FP — 100 YEAR FLOODPLAIN
- FP BRL — FLOODPLAIN BUILDING RESTRICTION LINE
- E — EDGE OF WATER OF THE US
- T38 — EXISTING TREELINE
- T38 — SPECIMEN TREE TO REMAIN
- T38 — SPECIMEN TREE TO BE REMOVED
- W — WETLANDS
- WB — WETLANDS BUFFER
- FSA — FOREST SAVED, BUT CONSIDERED CLEARED (WP-AC)
- WPA — WOODLAND PRESERVATION (WPA)
- WRA — AFFORESTATION/REFORESTATION AREA (WRA)
- TS — TEMPORARY TREE SAVE SIGN TO BE INSTALLED PRIOR TO CONSTRUCTION, AND TO BE REMOVED AT THE TIME OF INSTALLATION OF PERMANENT TREE SAVE SIGNS
- TS — PERMANENT TREE SAVE SIGN TO BE INSTALLED POST CONSTRUCTION
- TS — TEMPORARY TREE SAVE FENCE TO BE INSTALLED PRIOR TO CONSTRUCTION BUT REMOVED AT TIME OF AFFORESTATION (SEE TREE SAVE SILT FENCE DETAIL)
- TS — AFFORESTATION/PERMANENT TREE SAVE SPLIT-RAIL FENCING (SEE SPLIT-RAIL FENCING DETAIL)
- L — LIMITS OF CRITICAL ROOT ZONE
- RP — ROOT PRUNING LINE
- L — LIMITS OF DISTURBANCE
- L — STORM DRAIN HEADWALL

NATURAL REGENERATION AREA (NRA)  
FOREST IN FLOODPLAIN SAVED, BUT NOT COUNTED (WP-NC)

ROOT PRUNING AND TEMPORARY TREE SAVE FENCE TO BE INSTALLED PRIOR TO CONSTRUCTION BUT TO BE REMOVED AT TIME OF AFFORESTATION (SEE TREE SAVE SILT FENCE DETAIL)  
LIMITS OF DISTURBANCE AND AFFORESTATION/PERMANENT TREE SAVE SPLIT-RAIL FENCING (SEE SPLIT-RAIL FENCING DETAIL)

DEVELOPER/APPLICANT  
Caruso Homes  
2001 Redwood Avenue, Suite 200  
Crofton, MD 21114  
Email: info@carusohomes.com

ENGINEER/LANDSCAPE ARCHITECT  
Charles P. Johnson & Associates, Inc.  
1751 Elton Road, Suite 300  
Silver Spring, MD 20903  
Tel: (301) 434-7000  
Fax: (301) 434-9394  
Email: cjohnson@cpja.com

TREE CONSERVATION PLAN CERTIFIED BY:  
I hereby certify that the information on this plan is true and accurate and meets the minimum standards provided in the Prince George's County Environmental Technical Manual. I hereby certify that I have either personally prepared the plan or reviewed the work of others for accuracy and completeness.  
1/18/22  
Sally P. Stewart  
MD Registered Landscape Architect #612  
Exp. Date: 09/08/2025  
Seal not valid without signature

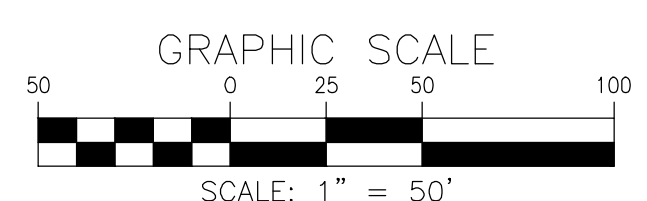
PROPERTY OWNERS AWARENESS CERTIFICATE  
I, the undersigned, hereby acknowledge that we are aware of this Type 2 Tree Conservation Plan (TCP2) and that we understand the requirements as set forth in this TCP2.  
Owner: Caruso Homes  
Date: 11/30/2021  
I, the undersigned, hereby acknowledge that we are aware of this Type 2 Tree Conservation Plan (TCP2) and that we understand the requirements as set forth in this TCP2.  
Contract Purchaser: \_\_\_\_\_  
Date: \_\_\_\_\_

| Prince George's County Planning Department, M-NCPPC<br>Environmental Planning Section<br>TYPE 2 TREE CONSERVATION PLAN APPROVAL<br>TCP2-100-03 |                 |           |                                                                                     |  |
|------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------|-------------------------------------------------------------------------------------|--|
| Approved by                                                                                                                                    | Date            | DRG #     | Reason for Revision                                                                 |  |
| 00                                                                                                                                             | J.M.            | 6/23/2003 |                                                                                     |  |
| 01                                                                                                                                             | J.M.            | 5/18/2004 |                                                                                     |  |
| 02                                                                                                                                             | J.M.            | 7/28/2004 |                                                                                     |  |
| 03                                                                                                                                             | J.M.            | 12/9/2004 |                                                                                     |  |
| 04                                                                                                                                             | L.S.            | 6/3/2004  |                                                                                     |  |
| 05                                                                                                                                             | L.S.            | 2/23/2006 |                                                                                     |  |
| 06                                                                                                                                             | K.S.            | 5/6/2009  |                                                                                     |  |
| 07                                                                                                                                             | MEGAN K. REISER | 2/13/2012 |                                                                                     |  |
| 08                                                                                                                                             | MEGAN K. REISER | 4/10/2012 |                                                                                     |  |
| 09                                                                                                                                             | MEGAN K. REISER | 4/10/2012 |                                                                                     |  |
| 10                                                                                                                                             | MEGAN K. REISER | 7/31/2013 |                                                                                     |  |
| 11                                                                                                                                             | MEGAN K. REISER |           | LOT 39D                                                                             |  |
| 12                                                                                                                                             | MEGAN K. REISER | 3/15/2018 |                                                                                     |  |
| 13                                                                                                                                             | Mary Raa        | 2/2/22    | MOVED LOTS FROM 3D TO 3C AND FROM 3D TO 3E<br>REVISE LOTS 19A-34A, 40D-43D, 12E-19E |  |
| 14                                                                                                                                             |                 |           |                                                                                     |  |

AFFORESTATION/  
REFORESTATION  
AREA  
WRA-14 = 0.47 AC

AFFORESTATION/  
REFORESTATION  
AREA  
1' = 4.10 AC

FOREST TO REMAIN  
WPA-F = 9.19 AC



UPDATES/REVISIONS:

|          |                                                                 |
|----------|-----------------------------------------------------------------|
| 11/23/21 | Revised Ph. 3C and 3B1 to reflect areas of natural regeneration |
| 01/15/22 | Revised plan per P&P comments                                   |

TYPE 2-TREE CONSERVATION PLAN  
TCP2-100-03

TRIANGLE/COLLINGBROOK  
QUEEN ANNE ELECTION DISTRICT NUMBER 7  
PRINCE GEORGE'S COUNTY, MARYLAND

**CPJ** Charles P. Johnson & Associates, Inc.  
Civil and Environmental Engineers • Planners • Landscape Architects • Surveyors  
1751 Elton Rd., Ste. 300 Silver Spring, MD 20903 301-434-7000 Fax: 301-434-9394  
www.cpja.com • Silver Spring, MD • Gaithersburg, MD • Annapolis, MD • Greenbelt, MD • Frederick, MD • Fairfax, VA

|                                                                                                                                           |                   |                          |
|-------------------------------------------------------------------------------------------------------------------------------------------|-------------------|--------------------------|
| CLIENT: Caruso Homes<br>2001 Redwood Avenue, Suite 200<br>Crofton, MD 21114                                                               | WSSC GRID: 205N02 | TAX MAP: 5402            |
| DESIGN: SPS                                                                                                                               | SHEET: 8          | OF: 12                   |
| DRAFT: DHI                                                                                                                                | DATE: NOV. 2021   | FILE NO.: 2019-1452-21.D |
| COPYRIGHT © LATEST DATE HEREON CHARLES P. JOHNSON & ASSOCIATES, INC. ALL RIGHTS RESERVED. UNAUTHORIZED USE OR REPRODUCTION IS PROHIBITED. |                   |                          |





FOREST TO REMAIN  
WR-J -0.02 AC

- LEGEND:**
- PMA — PRIMARY MANAGEMENT AREA (PMA)
  - UNMITIGATED NOISE CONTOUR
  - SB — STREAM BUFFER
  - FP — 100 YEAR FLOODPLAIN
  - FP BRL — FLOODPLAIN BUILDING RESTRICTION LINE
  - EDGE OF WATER OF THE US
  - EXISTING TREELINE
  - T38 — SPECIMEN TREE TO REMAIN
  - T38 — SPECIMEN TREE TO BE REMOVED
  - W — WETLANDS
  - WB — WETLANDS BUFFER
  - FOREST SAVED, BUT CONSIDERED CLEARED (WP-AC)
  - AFFORESTATION/ REFORESTATION AREA (WRA)
  - FOREST IN FLOODPLAIN SAVED, BUT NOT COUNTED (WP-NC)
  - WOODLAND PRESERVATION (WPA)
  - LOD — LIMITS OF DISTURBANCE
  - STORM DRAIN HEADWALL
  - TEMPORARY TREE SAVE SIGN TO BE INSTALLED PRIOR TO CONSTRUCTION, AND TO BE REMOVED AT THE TIME OF INSTALLATION OF PERMANENT TREE SAVE SIGNS
  - PERMANENT TREE SAVE SIGN TO BE INSTALLED POST CONSTRUCTION
  - TEMPORARY TREE SAVE FENCE TO BE INSTALLED PRIOR TO CONSTRUCTION BUT REMOVED AT TIME OF AFFORESTATION (SEE TREE SAVE SILT FENCE DETAIL)
  - AFFORESTATION/PERMANENT TREE SAVE SPLIT-RAIL FENCING (SEE SPLIT-RAIL FENCING DETAIL)
  - LIMITS OF CRITICAL ROOT ZONE
  - RP — RP — ROOT PRUNING LINE

THE MARYLAND NATIONAL CAPITAL PARK AND PLANNING COMMISSION  
APPLICATION NAME: COLLINGBROOK NOISE BUFFER  
APPLICATION NO.: DDP-1866-01  
TOPIC NO.: TOP-100-03-1  
RECOMMENDED APPROVAL OF THIS PLAN IS BY THE COMMISSION DATED FEBRUARY 9, 2022  
Jill Kosack  
COMMISSION SECRETARY

FOREST SAVED, BUT CONSIDERED CLEARED  
C10'-0.33 AC

Prince George's County Planning Department, M-NCPPC  
Environmental Planning Section  
TYPE 2 TREE CONSERVATION PLAN APPROVAL  
TCP2-100-03

| Approved by     | Date      | ORD # | Reason for Revision                             |
|-----------------|-----------|-------|-------------------------------------------------|
| J.M.            | 6/23/2003 |       |                                                 |
| J.M.            | 5/18/2004 |       |                                                 |
| J.M.            | 7/28/2004 |       |                                                 |
| J.M.            | 12/8/2004 |       |                                                 |
| L.S.            | 6/3/2004  |       |                                                 |
| L.S.            | 2/23/2008 |       |                                                 |
| K.S.            | 5/6/2009  |       |                                                 |
| MEGAN K. REISER | 2/13/2012 |       |                                                 |
| MEGAN K. REISER | 4/10/2012 |       |                                                 |
| MEGAN K. REISER | 4/10/2012 |       |                                                 |
| MEGAN K. REISER | 7/31/2013 |       | LOT 390                                         |
| MEGAN K. REISER |           |       | LOT 380                                         |
| MEGAN K. REISER | 3/15/2018 |       | MOVED LOTS FROM 30 & 30 TO 3C AND FROM 3D TO 3E |
| Mary Rea        | 2/2/22    |       | REVISE LOTS 19A-34A, 400-430, 12E-19E           |

UPDATES/REVISIONS:  
11/22/21: Revise Ph. 3C and 3B1 to reflect areas of natural regeneration  
01/18/22: Revise plan per P&P comments

TYPE 2-TREE CONSERVATION PLAN  
TCP2-100-03  
TRIANGLE/COLLINGBROOK  
QUEEN ANNE ELECTION DISTRICT NUMBER 7  
PRINCE GEORGE'S COUNTY, MARYLAND

**CPJ** Charles P. Johnson & Associates, Inc.  
Civil and Environmental Engineers • Planners • Landscape Architects • Surveyors  
1751 Elton Rd., Ste. 300 Silver Spring, MD 20903 301-434-7000 Fax: 301-434-9394  
www.cpj.com • Silver Spring, MD • Annapolis, MD • Greenbelt, MD • Frederick, MD • Fairfax, VA

|                                                                             |                   |                          |
|-----------------------------------------------------------------------------|-------------------|--------------------------|
| CLIENT: Caruso Homes<br>2120 Baldwin Avenue, Suite 200<br>Crofton, MD 21114 | WSSC GRID: 205N02 | TAX MAP: 5402            |
| DESIGN: SPS                                                                 | SHEET: 10         | OF: 12                   |
| DRAFT: DML                                                                  | DATE: NOV. 2021   | FILE NO.: 2019-1452-21.D |
| SCALE: 1" = 50'                                                             |                   |                          |

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**TREE CONSERVATION PLAN CERTIFIED BY:**  
I hereby certify that the information on this plan is true and accurate and meets the minimum standard standards provided in the Prince George's County Environmental Technical Manual. I hereby certify that I have either personally prepared the plans or reviewed the work of others for accuracy and completeness.

1/18/22  
Date: SALLIE P. STEWART  
MD Registered Landscape Architect #612  
Exp. Date: 09/08/2023  
Seal not valid without signature

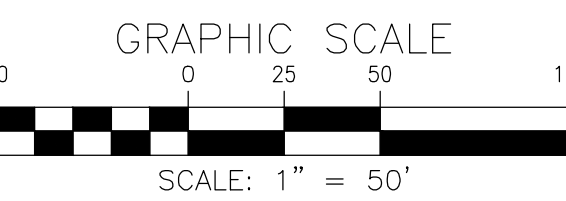
**PROPERTY OWNERS AWARENESS CERTIFICATE**

I/We, Caruso Homes, hereby acknowledge that we are aware of this Type 2 Tree Conservation Plan (TCP2) and that we understand the requirements as set forth in this TCP2.

Owner/Client Representative: [Signature] Date: 11/28/2021

I/We, [Signature], hereby acknowledge that we are aware of this Type 2 Tree Conservation Plan (TCP2) and that we understand the requirements as set forth in this TCP2.

Contract Purchaser: \_\_\_\_\_ Date: \_\_\_\_\_

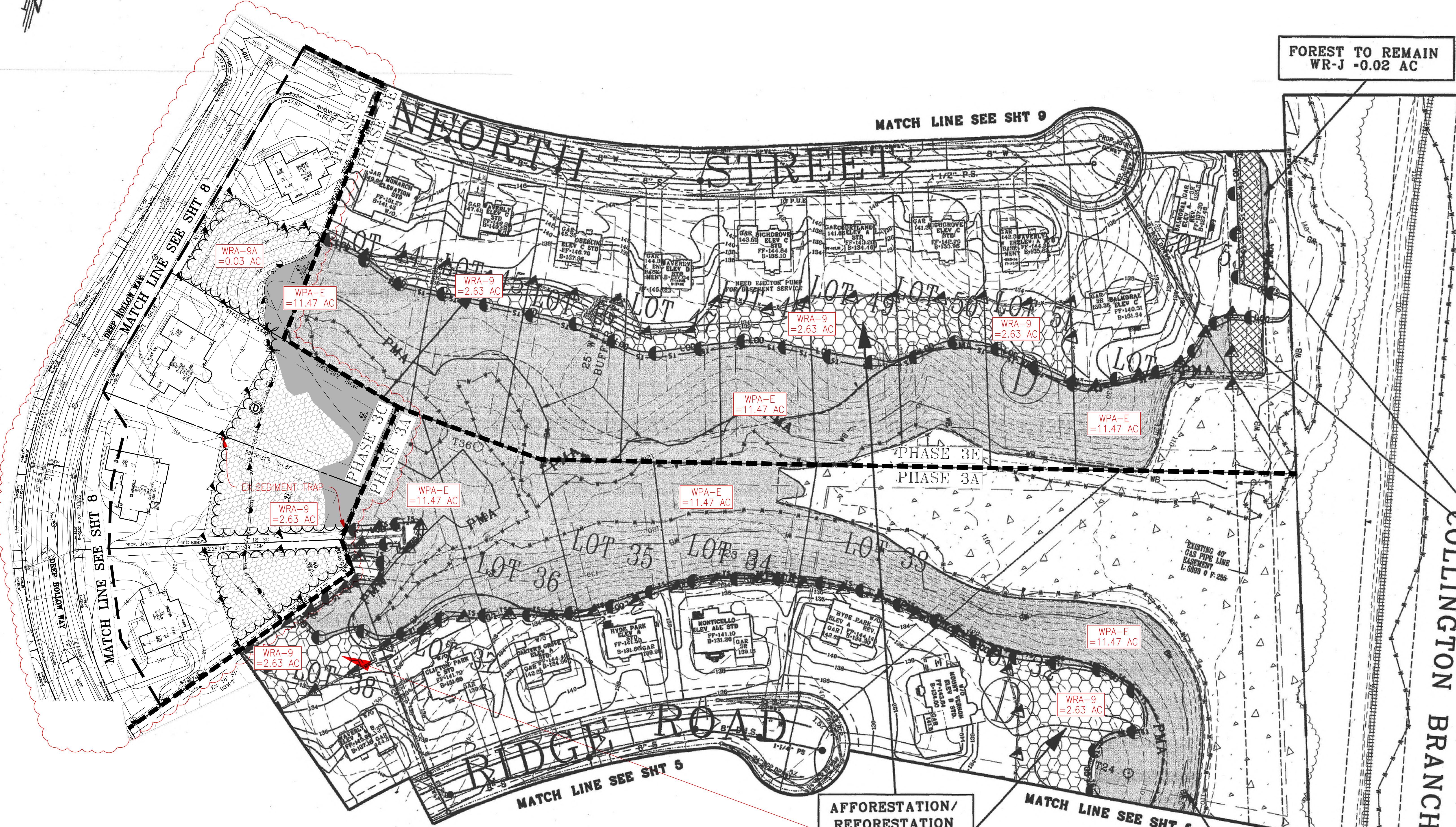


NOTE:  
IMPACT TO THE PMA HAS BEEN REDUCED BY REVISING THE GRADING FOR THE HOUSES ON LOTS 31 & 32, BLOCK D.

LOTS 33-37, BLOCK D HAVE LESS THAN 40' REAR YARD. THE LIMITS OF DISTURBANCE IS BOUNDED BY A PMA DUE TO STEEP SLOPES

FOREST TO REMAIN  
WPA-E = 11.47 AC

AFFORESTATION/ REFORESTATION AREA  
WRA-9 = 2.63 AC



**DEVELOPER/APPLICANT**  
Caruso Homes  
2120 Baldwin Avenue, Suite 200  
Crofton, MD 21114  
Email: info@carusohomes.com

**ENGINEER/LANDSCAPE ARCHITECT**  
Charles P. Johnson & Associates, Inc.  
1751 Elton Road, Suite 300  
Silver Spring, MD 20903  
Tel: 301-434-7000  
Fax: 301-434-9394  
Email: sstewart@cpj.com



# Protection of Reforestation and Afforestation Areas by Developers or Builders

1. Reforestation and afforestation areas shall be planted prior to the occupancy of the nearest building or residence if planting cannot occur due to planting conditions, the developer or property owner shall install the fencing and signage in accordance with the approved Type II Tree Conservation Plan. Planting shall then be accomplished during the next planting season. If planting is delayed beyond the transfer of the property title to the homeowner, the developer shall obtain a signed statement from the purchaser indicating that they understand that the reforestation area is located on their property and that reforestation will occur during the next planting season. A copy of that document shall be presented to the Grading Inspector and the Environmental Planning Section.

2. Reforestation areas shall not be mowed however, the management of competing vegetation around individual trees is acceptable.

## SHEET 8

| AFFORESTATION/REFORESTATION PLANT LIST FOR AREA 5 (WRA-5) |                        |      |  |
|-----------------------------------------------------------|------------------------|------|--|
| 2.57 ACRES X 1000 = 2570 SEEDLINGS OR EQUIVALENT REQUIRED |                        |      |  |
| DECIDUOUS SHADE TREES                                     |                        |      |  |
| SCIENTIFIC NAME                                           | COMMON NAME            | QTY  |  |
| NYSSA SYLVATICA                                           | BLACK GUM              | 50   |  |
| LIQUIDAMBAR STYRACIFLUA                                   | TULIP POPLAR           | 50   |  |
| FAGUS GRANDIFOLIA                                         | AMERICAN BEECH         | 50   |  |
| DIOSPIRUS VIRGINIANA                                      | BLACK CHERRY           | 50   |  |
| QUERCUS FALCATA                                           | SOUTHERN RED OAK       | 50   |  |
| QUERCUS VELUTINA                                          | BLACK OAK              | 50   |  |
| TOTAL TREES:                                              |                        | 350  |  |
| TOTAL SEEDLING EQUIVALENT:                                |                        | 1750 |  |
| DECIDUOUS UNDERSTORY TREES                                |                        |      |  |
| SCIENTIFIC NAME                                           | COMMON NAME            | QTY  |  |
| AMELANCHIER LAEVIS                                        | HOMESTEAD ELM          | 30   |  |
| CORNUS FLORIDA                                            | HORNWOOD               | 30   |  |
| AMELANCHIER CANADENSIS                                    | ALLEGHENY SERVICEBERRY | 30   |  |
| TOTAL TREES:                                              |                        | 90   |  |
| TOTAL SEEDLING EQUIVALENT:                                |                        | 270  |  |
| EVERGREEN TREES                                           |                        |      |  |
| SCIENTIFIC NAME                                           | COMMON NAME            | QTY  |  |
| ILEX OPACA (FEMALE)                                       | AMERICAN HOLLY         | 40   |  |
| ILEX OPACA (MALE)                                         | AMERICAN HOLLY         | 20   |  |
| PINUS VIRGINIANA                                          | SCRUB PINE             | 10   |  |
| TOTAL TREES:                                              |                        | 110  |  |
| TOTAL SEEDLING EQUIVALENT:                                |                        | 440  |  |
| SHRUBS                                                    |                        |      |  |
| SCIENTIFIC NAME                                           | COMMON NAME            | QTY  |  |
| VIBURNUM ACERIFOLIUM                                      | MAPLELEAF VIBURNUM     | 27   |  |
| VIBURNUM DENTATUM                                         | LINDEN VIBURNUM        | 27   |  |
| VACCINIUM CORYMBOSUM                                      | HIGHBUSH BLUEBERRY     | 28   |  |
| HYDRANGEA QUERCIFOLIA                                     | DOGWOOD HYDRANGEA      | 28   |  |
| TOTAL SHRUBS:                                             |                        | 110  |  |
| TOTAL SEEDLING EQUIVALENT:                                |                        | 110  |  |

## COLLINGSBROOK

| SPECIMEN TREE LIST SEE SHEETS 2 - 10 FOR TREE LOCATIONS |                   |             |     |           |             |
|---------------------------------------------------------|-------------------|-------------|-----|-----------|-------------|
| DISPOSITION                                             | SCIENTIFIC NAME   | COMMON NAME | DBH | CONDITION | DISPOSITION |
| 1-1                                                     | QUERCUS PALUSTRIS | PIN OAK     | 30" | VERY GOOD | TO REMAIN   |
| 1-2                                                     | QUERCUS PALUSTRIS | PIN OAK     | 30" | VERY GOOD | TO REMAIN   |
| 1-3                                                     | QUERCUS PALUSTRIS | PIN OAK     | 30" | VERY GOOD | TO REMAIN   |
| 1-4                                                     | QUERCUS PALUSTRIS | PIN OAK     | 30" | VERY GOOD | TO REMAIN   |
| 1-5                                                     | QUERCUS PALUSTRIS | PIN OAK     | 30" | VERY GOOD | TO REMAIN   |
| 1-6                                                     | QUERCUS PALUSTRIS | PIN OAK     | 30" | VERY GOOD | TO REMAIN   |
| 1-7                                                     | QUERCUS PALUSTRIS | PIN OAK     | 30" | VERY GOOD | TO REMAIN   |
| 1-8                                                     | QUERCUS PALUSTRIS | PIN OAK     | 30" | VERY GOOD | TO REMAIN   |
| 1-9                                                     | QUERCUS PALUSTRIS | PIN OAK     | 30" | VERY GOOD | TO REMAIN   |
| 1-10                                                    | QUERCUS PALUSTRIS | PIN OAK     | 30" | VERY GOOD | TO REMAIN   |
| 1-11                                                    | QUERCUS PALUSTRIS | PIN OAK     | 30" | VERY GOOD | TO REMAIN   |
| 1-12                                                    | QUERCUS PALUSTRIS | PIN OAK     | 30" | VERY GOOD | TO REMAIN   |
| 1-13                                                    | QUERCUS PALUSTRIS | PIN OAK     | 30" | VERY GOOD | TO REMAIN   |
| 1-14                                                    | QUERCUS PALUSTRIS | PIN OAK     | 30" | VERY GOOD | TO REMAIN   |
| 1-15                                                    | QUERCUS PALUSTRIS | PIN OAK     | 30" | VERY GOOD | TO REMAIN   |
| 1-16                                                    | QUERCUS PALUSTRIS | PIN OAK     | 30" | VERY GOOD | TO REMAIN   |
| 1-17                                                    | QUERCUS PALUSTRIS | PIN OAK     | 30" | VERY GOOD | TO REMAIN   |
| 1-18                                                    | QUERCUS PALUSTRIS | PIN OAK     | 30" | VERY GOOD | TO REMAIN   |
| 1-19                                                    | QUERCUS PALUSTRIS | PIN OAK     | 30" | VERY GOOD | TO REMAIN   |
| 1-20                                                    | QUERCUS PALUSTRIS | PIN OAK     | 30" | VERY GOOD | TO REMAIN   |
| 1-21                                                    | QUERCUS PALUSTRIS | PIN OAK     | 30" | VERY GOOD | TO REMAIN   |
| 1-22                                                    | QUERCUS PALUSTRIS | PIN OAK     | 30" | VERY GOOD | TO REMAIN   |
| 1-23                                                    | QUERCUS PALUSTRIS | PIN OAK     | 30" | VERY GOOD | TO REMAIN   |
| 1-24                                                    | QUERCUS PALUSTRIS | PIN OAK     | 30" | VERY GOOD | TO REMAIN   |
| 1-25                                                    | QUERCUS PALUSTRIS | PIN OAK     | 30" | VERY GOOD | TO REMAIN   |
| 1-26                                                    | QUERCUS PALUSTRIS | PIN OAK     | 30" | VERY GOOD | TO REMAIN   |
| 1-27                                                    | QUERCUS PALUSTRIS | PIN OAK     | 30" | VERY GOOD | TO REMAIN   |
| 1-28                                                    | QUERCUS PALUSTRIS | PIN OAK     | 30" | VERY GOOD | TO REMAIN   |
| 1-29                                                    | QUERCUS PALUSTRIS | PIN OAK     | 30" | VERY GOOD | TO REMAIN   |
| 1-30                                                    | QUERCUS PALUSTRIS | PIN OAK     | 30" | VERY GOOD | TO REMAIN   |

## OUTLOT A

### SPECIMEN TREE LIST

| ID | Common Name       | Species Name          | DBH (inches) | Condition | PROTECTION MEASURES |
|----|-------------------|-----------------------|--------------|-----------|---------------------|
| 1* | American Sycamore | Platanus occidentalis | 30           | Poor      | Save                |
| 2* | American Sycamore | Platanus occidentalis | 32           | Good      | Save                |
| 3* | Pin Oak           | Quercus palustris     | 35           | Good      | Save                |
| 4* | Southern Red Oak  | Quercus falcata       | 30           | Fair      | Save                |

### NOTES:

THE SPECIMEN TREES WERE FIELD LOCATED

\* DENOTES TREES LOCATED ON TRIANGLE PROPERTY

| AFFORESTATION/REFORESTATION PLANT LIST FOR AREA 1         |                        |      |  |
|-----------------------------------------------------------|------------------------|------|--|
| 2.57 ACRES X 1000 = 2570 SEEDLINGS OR EQUIVALENT REQUIRED |                        |      |  |
| DECIDUOUS SHADE TREES                                     |                        |      |  |
| SCIENTIFIC NAME                                           | COMMON NAME            | QTY  |  |
| NYSSA SYLVATICA                                           | BLACK GUM              | 50   |  |
| LIQUIDAMBAR STYRACIFLUA                                   | TULIP POPLAR           | 50   |  |
| FAGUS GRANDIFOLIA                                         | AMERICAN BEECH         | 50   |  |
| DIOSPIRUS VIRGINIANA                                      | BLACK CHERRY           | 50   |  |
| QUERCUS FALCATA                                           | SOUTHERN RED OAK       | 50   |  |
| QUERCUS VELUTINA                                          | BLACK OAK              | 50   |  |
| TOTAL TREES:                                              |                        | 350  |  |
| TOTAL SEEDLING EQUIVALENT:                                |                        | 1750 |  |
| DECIDUOUS UNDERSTORY TREES                                |                        |      |  |
| SCIENTIFIC NAME                                           | COMMON NAME            | QTY  |  |
| AMELANCHIER LAEVIS                                        | HOMESTEAD ELM          | 30   |  |
| CORNUS FLORIDA                                            | HORNWOOD               | 30   |  |
| AMELANCHIER CANADENSIS                                    | ALLEGHENY SERVICEBERRY | 30   |  |
| TOTAL TREES:                                              |                        | 90   |  |
| TOTAL SEEDLING EQUIVALENT:                                |                        | 270  |  |
| EVERGREEN TREES                                           |                        |      |  |
| SCIENTIFIC NAME                                           | COMMON NAME            | QTY  |  |
| ILEX OPACA (FEMALE)                                       | AMERICAN HOLLY         | 40   |  |
| ILEX OPACA (MALE)                                         | AMERICAN HOLLY         | 20   |  |
| PINUS VIRGINIANA                                          | SCRUB PINE             | 10   |  |
| TOTAL TREES:                                              |                        | 110  |  |
| TOTAL SEEDLING EQUIVALENT:                                |                        | 440  |  |
| SHRUBS                                                    |                        |      |  |
| SCIENTIFIC NAME                                           | COMMON NAME            | QTY  |  |
| VIBURNUM ACERIFOLIUM                                      | MAPLELEAF VIBURNUM     | 27   |  |
| VIBURNUM DENTATUM                                         | LINDEN VIBURNUM        | 27   |  |
| VACCINIUM CORYMBOSUM                                      | HIGHBUSH BLUEBERRY     | 28   |  |
| HYDRANGEA QUERCIFOLIA                                     | DOGWOOD HYDRANGEA      | 28   |  |
| TOTAL SHRUBS:                                             |                        | 110  |  |
| TOTAL SEEDLING EQUIVALENT:                                |                        | 110  |  |

| AFFORESTATION/REFORESTATION PLANT LIST FOR AREA 2         |                        |      |  |
|-----------------------------------------------------------|------------------------|------|--|
| 2.57 ACRES X 1000 = 2570 SEEDLINGS OR EQUIVALENT REQUIRED |                        |      |  |
| DECIDUOUS SHADE TREES                                     |                        |      |  |
| SCIENTIFIC NAME                                           | COMMON NAME            | QTY  |  |
| NYSSA SYLVATICA                                           | BLACK GUM              | 50   |  |
| LIQUIDAMBAR STYRACIFLUA                                   | TULIP POPLAR           | 50   |  |
| FAGUS GRANDIFOLIA                                         | AMERICAN BEECH         | 50   |  |
| DIOSPIRUS VIRGINIANA                                      | BLACK CHERRY           | 50   |  |
| QUERCUS FALCATA                                           | SOUTHERN RED OAK       | 50   |  |
| QUERCUS VELUTINA                                          | BLACK OAK              | 50   |  |
| TOTAL TREES:                                              |                        | 350  |  |
| TOTAL SEEDLING EQUIVALENT:                                |                        | 1750 |  |
| DECIDUOUS UNDERSTORY TREES                                |                        |      |  |
| SCIENTIFIC NAME                                           | COMMON NAME            | QTY  |  |
| AMELANCHIER LAEVIS                                        | HOMESTEAD ELM          | 30   |  |
| CORNUS FLORIDA                                            | HORNWOOD               | 30   |  |
| AMELANCHIER CANADENSIS                                    | ALLEGHENY SERVICEBERRY | 30   |  |
| TOTAL TREES:                                              |                        | 90   |  |
| TOTAL SEEDLING EQUIVALENT:                                |                        | 270  |  |
| EVERGREEN TREES                                           |                        |      |  |
| SCIENTIFIC NAME                                           | COMMON NAME            | QTY  |  |
| ILEX OPACA (FEMALE)                                       | AMERICAN HOLLY         | 40   |  |
| ILEX OPACA (MALE)                                         | AMERICAN HOLLY         | 20   |  |
| PINUS VIRGINIANA                                          | SCRUB PINE             | 10   |  |
| TOTAL TREES:                                              |                        | 110  |  |
| TOTAL SEEDLING EQUIVALENT:                                |                        | 440  |  |
| SHRUBS                                                    |                        |      |  |
| SCIENTIFIC NAME                                           | COMMON NAME            | QTY  |  |
| VIBURNUM ACERIFOLIUM                                      | MAPLELEAF VIBURNUM     | 27   |  |
| VIBURNUM DENTATUM                                         | LINDEN VIBURNUM        | 27   |  |
| VACCINIUM CORYMBOSUM                                      | HIGHBUSH BLUEBERRY     | 28   |  |
| HYDRANGEA QUERCIFOLIA                                     | DOGWOOD HYDRANGEA      | 28   |  |
| TOTAL SHRUBS:                                             |                        | 110  |  |
| TOTAL SEEDLING EQUIVALENT:                                |                        | 110  |  |

| AFFORESTATION/REFORESTATION PLANT LIST FOR AREA 3         |                        |      |  |
|-----------------------------------------------------------|------------------------|------|--|
| 2.57 ACRES X 1000 = 2570 SEEDLINGS OR EQUIVALENT REQUIRED |                        |      |  |
| DECIDUOUS SHADE TREES                                     |                        |      |  |
| SCIENTIFIC NAME                                           | COMMON NAME            | QTY  |  |
| NYSSA SYLVATICA                                           | BLACK GUM              | 50   |  |
| LIQUIDAMBAR STYRACIFLUA                                   | TULIP POPLAR           | 50   |  |
| FAGUS GRANDIFOLIA                                         | AMERICAN BEECH         | 50   |  |
| DIOSPIRUS VIRGINIANA                                      | BLACK CHERRY           | 50   |  |
| QUERCUS FALCATA                                           | SOUTHERN RED OAK       | 50   |  |
| QUERCUS VELUTINA                                          | BLACK OAK              | 50   |  |
| TOTAL TREES:                                              |                        | 350  |  |
| TOTAL SEEDLING EQUIVALENT:                                |                        | 1750 |  |
| DECIDUOUS UNDERSTORY TREES                                |                        |      |  |
| SCIENTIFIC NAME                                           | COMMON NAME            | QTY  |  |
| AMELANCHIER LAEVIS                                        | HOMESTEAD ELM          | 30   |  |
| CORNUS FLORIDA                                            | HORNWOOD               | 30   |  |
| AMELANCHIER CANADENSIS                                    | ALLEGHENY SERVICEBERRY | 30   |  |
| TOTAL TREES:                                              |                        | 90   |  |
| TOTAL SEEDLING EQUIVALENT:                                |                        | 270  |  |
| EVERGREEN TREES                                           |                        |      |  |
| SCIENTIFIC NAME                                           | COMMON NAME            | QTY  |  |
| ILEX OPACA (FEMALE)                                       | AMERICAN HOLLY         | 40   |  |
| ILEX OPACA (MALE)                                         | AMERICAN HOLLY         | 20   |  |
| PINUS VIRGINIANA                                          | SCRUB PINE             | 10   |  |
| TOTAL TREES:                                              |                        | 110  |  |
| TOTAL SEEDLING EQUIVALENT:                                |                        | 440  |  |
| SHRUBS                                                    |                        |      |  |
| SCIENTIFIC NAME                                           | COMMON NAME            | QTY  |  |
| VIBURNUM ACERIFOLIUM                                      | MAPLELEAF VIBURNUM     | 27   |  |
| VIBURNUM DENTATUM                                         | LINDEN VIBURNUM        | 27   |  |
| VACCINIUM CORYMBOSUM                                      | HIGHBUSH BLUEBERRY     | 28   |  |
| HYDRANGEA QUERCIFOLIA                                     | DOGWOOD HYDRANGEA      | 28   |  |
| TOTAL SHRUBS:                                             |                        | 110  |  |
| TOTAL SEEDLING EQUIVALENT:                                |                        | 110  |  |

| AFFORESTATION/REFORESTATION PLANT LIST FOR AREA 4         |                        |      |  |
|-----------------------------------------------------------|------------------------|------|--|
| 2.57 ACRES X 1000 = 2570 SEEDLINGS OR EQUIVALENT REQUIRED |                        |      |  |
| DECIDUOUS SHADE TREES                                     |                        |      |  |
| SCIENTIFIC NAME                                           | COMMON NAME            | QTY  |  |
| NYSSA SYLVATICA                                           | BLACK GUM              | 50   |  |
| LIQUIDAMBAR STYRACIFLUA                                   | TULIP POPLAR           | 50   |  |
| FAGUS GRANDIFOLIA                                         | AMERICAN BEECH         | 50   |  |
| DIOSPIRUS VIRGINIANA                                      | BLACK CHERRY           | 50   |  |
| QUERCUS FALCATA                                           | SOUTHERN RED OAK       | 50   |  |
| QUERCUS VELUTINA                                          | BLACK OAK              | 50   |  |
| TOTAL TREES:                                              |                        | 350  |  |
| TOTAL SEEDLING EQUIVALENT:                                |                        | 1750 |  |
| DECIDUOUS UNDERSTORY TREES                                |                        |      |  |
| SCIENTIFIC NAME                                           | COMMON NAME            | QTY  |  |
| AMELANCHIER LAEVIS                                        | HOMESTEAD ELM          | 30   |  |
| CORNUS FLORIDA                                            | HORNWOOD               | 30   |  |
| AMELANCHIER CANADENSIS                                    | ALLEGHENY SERVICEBERRY | 30   |  |
| TOTAL TREES:                                              |                        | 90   |  |
| TOTAL SEEDLING EQUIVALENT:                                |                        | 270  |  |
| EVERGREEN TREES                                           |                        |      |  |
| SCIENTIFIC NAME                                           | COMMON NAME            | QTY  |  |
| ILEX OPACA (FEMALE)                                       | AMERICAN HOLLY         | 40   |  |
| ILEX OPACA (MALE)                                         | AMERICAN HOLLY         | 20   |  |
| PINUS VIRGINIANA                                          | SCRUB PINE             | 10   |  |
| TOTAL TREES:                                              |                        | 110  |  |
| TOTAL SEEDLING EQUIVALENT:                                |                        | 440  |  |
| SHRUBS                                                    |                        |      |  |
| SCIENTIFIC NAME                                           | COMMON NAME            | QTY  |  |
| VIBURNUM ACERIFOLIUM                                      | MAPLELEAF VIBURNUM     | 27   |  |
| VIBURNUM DENTATUM                                         | LINDEN VIBURNUM        | 27   |  |
| VACCINIUM CORYMBOSUM                                      | HIGHBUSH BLUEBERRY     | 28   |  |
| HYDRANGEA QUERCIFOLIA                                     | DOGWOOD HYDRANGEA      | 28   |  |
| TOTAL SHRUBS:                                             |                        | 110  |  |
| TOTAL SEEDLING EQUIVALENT:                                |                        | 110  |  |

| AFFORESTATION/REFORESTATION PLANT LIST FOR AREA 5         |                        |      |  |
|-----------------------------------------------------------|------------------------|------|--|
| 2.57 ACRES X 1000 = 2570 SEEDLINGS OR EQUIVALENT REQUIRED |                        |      |  |
| DECIDUOUS SHADE TREES                                     |                        |      |  |
| SCIENTIFIC NAME                                           | COMMON NAME            | QTY  |  |
| NYSSA SYLVATICA                                           | BLACK GUM              | 50   |  |
| LIQUIDAMBAR STYRACIFLUA                                   | TULIP POPLAR           | 50   |  |
| FAGUS GRANDIFOLIA                                         | AMERICAN BEECH         | 50   |  |
| DIOSPIRUS VIRGINIANA                                      | BLACK CHERRY           | 50   |  |
| QUERCUS FALCATA                                           | SOUTHERN RED OAK       | 50   |  |
| QUERCUS VELUTINA                                          | BLACK OAK              | 50   |  |
| TOTAL TREES:                                              |                        | 350  |  |
| TOTAL SEEDLING EQUIVALENT:                                |                        | 1750 |  |
| DECIDUOUS UNDERSTORY TREES                                |                        |      |  |
| SCIENTIFIC NAME                                           | COMMON NAME            | QTY  |  |
| AMELANCHIER LAEVIS                                        | HOMESTEAD ELM          | 30   |  |
| CORNUS FLORIDA                                            | HORNWOOD               | 30   |  |
| AMELANCHIER CANADENSIS                                    | ALLEGHENY SERVICEBERRY | 30   |  |
| TOTAL TREES:                                              |                        | 90   |  |
| TOTAL SEEDLING EQUIVALENT:                                |                        | 270  |  |
| EVERGREEN TREES                                           |                        |      |  |
| SCIENTIFIC NAME                                           | COMMON NAME            | QTY  |  |
| ILEX OPACA (FEMALE)                                       | AMERICAN HOLLY         | 40   |  |
| ILEX OPACA (MALE)                                         | AMERICAN HOLLY         | 20   |  |
| PINUS VIRGINIANA                                          | SCRUB PINE             | 10   |  |
| TOTAL TREES:                                              |                        | 110  |  |
| TOTAL SEEDLING EQUIVALENT:                                |                        | 440  |  |
| SHRUBS                                                    |                        |      |  |
| SCIENTIFIC NAME                                           | COMMON NAME            | QTY  |  |
| VIBURNUM ACERIFOLIUM                                      | MAPLELEAF VIBURNUM     | 27   |  |
| VIBURNUM DENTATUM                                         | LINDEN VIBURNUM        | 27   |  |
| VACCINIUM CORYMBOSUM                                      | HIGHBUSH BLUEBERRY     | 28   |  |
| HYDRANGEA QUERCIFOLIA                                     | DOGWOOD HYDRANGEA      | 28   |  |
| TOTAL SHRUBS:                                             |                        | 110  |  |
| TOTAL SEEDLING EQUIVALENT:                                |                        | 110  |  |

| AFFORESTATION/REFORESTATION PLANT LIST FOR AREA 2         |                       |      |  |
|-----------------------------------------------------------|-----------------------|------|--|
| 4.95 ACRES X 1000 = 4950 SEEDLINGS OR EQUIVALENT REQUIRED |                       |      |  |
| DECIDUOUS SHADE TREES                                     |                       |      |  |
| SCIENTIFIC NAME                                           | COMMON NAME           | QTY  |  |
| NYSSA SYLVATICA                                           | BLACK GUM             | 140  |  |
| LIQUIDAMBAR STYRACIFLUA                                   | TULIP POPLAR          | 140  |  |
| FAGUS GRANDIFOLIA                                         | AMERICAN BEECH        | 140  |  |
| DIOSPIRYS VIRGINIANA                                      | AMERICAN PERSIMMON    | 140  |  |
| QUERCUS SEROTINA                                          | BLACK CHERRY          | 140  |  |
| QUERCUS FALCATA                                           | SOUTHERN RED OAK      | 140  |  |
| QUERCUS VELUTINA                                          | KENYONIA DOGPILE TREE | 140  |  |
| CORYLUS TOMENTOSA                                         | AMERICAN HICKORY      | 140  |  |
| CELTIS OCCIDENTALIS                                       | BLACKBERRY            | 140  |  |
| TOTAL TREES:                                              |                       | 1400 |  |
| TOTAL SEEDLING EQUIVALENT:                                |                       | 7000 |  |
| DECIDUOUS UNDERSTORY TREES                                |                       |      |  |
| SCIENTIFIC NAME                                           | COMMON NAME           | QTY  |  |
| DIOSPIRYS VIRGINIANA                                      | AMERICAN PERSIMMON    | 120  |  |
| CARYOPUS CAROLINIANA                                      | BLACKBERRY            | 120  |  |
| QUERCUS VIRGINIANA                                        | BLACKBERRY            | 120  |  |
| TOTAL TREES:                                              |                       | 360  |  |
| TOTAL SEEDLING EQUIVALENT:                                |                       | 1800 |  |
| EVERGREEN TREES                                           |                       |      |  |
| SCIENTIFIC NAME                                           | COMMON NAME           | QTY  |  |
| LIEX OPAKA (FEMALE)                                       | AMERICAN HOLLY        | 160  |  |
| LIEX OPAKA (MALE)                                         | AMERICAN HOLLY        | 160  |  |
| TOTAL TREES:                                              |                       | 320  |  |
| TOTAL SEEDLING EQUIVALENT:                                |                       | 1600 |  |
| SHRUBS                                                    |                       |      |  |
| SCIENTIFIC NAME                                           | COMMON NAME           | QTY  |  |
| VIORALUM NITIDULUM                                        | AMERICAN DOGWOOD      | 8    |  |
| HYDRANGEA PLENIORUBRA                                     | FLORAL DOGWOOD        | 8    |  |
| HYDRANGEA QUERCIFOLIA                                     | ORANGE HYDRANGEA      | 8    |  |
| TOTAL SHRUBS:                                             |                       | 24   |  |
| TOTAL SEEDLING EQUIVALENT:                                |                       | 160  |  |