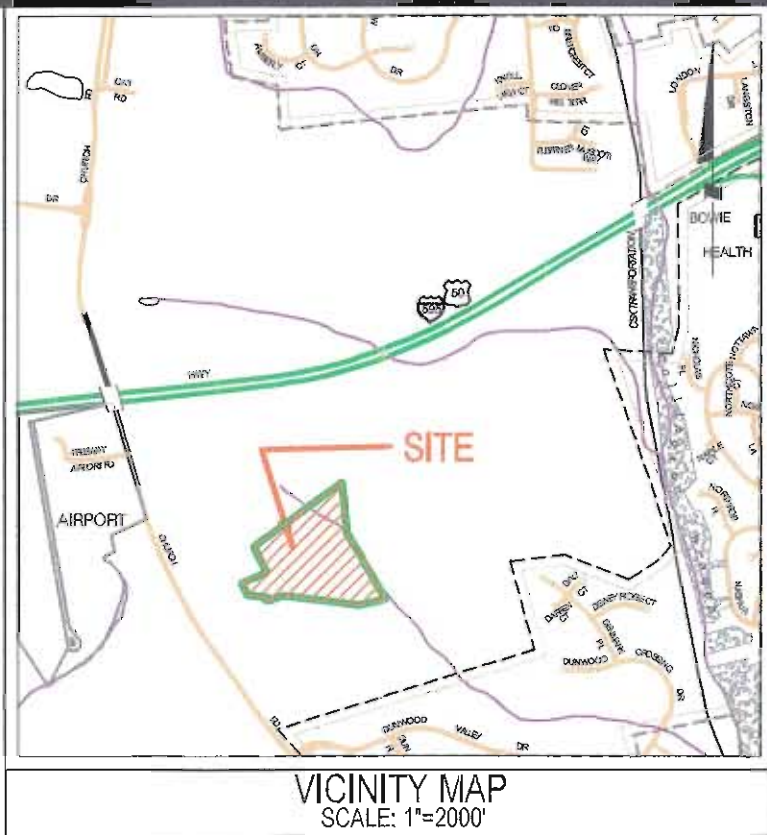


# TREE CONSERVATION PLAN II LONERGAN

BOWIE (14th) ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND



## SHEET INDEX

- CONVER SHEET
- PLANVIEW
- DETAILS

### LEGEND

FOREST STAND BOUNDARY  
EXISTING TREE LINE  
SPECIMEN TREE WITH CRITICAL ROOT ZONE  
EXISTING STREAM  
PRIMARY MANAGEMENT AREA (PMA)  
STREAM BUFFER  
NON-TIDAL WETLANDS BOUNDARY  
NON-TIDAL WETLANDS BUFFER  
100 YEAR FLOODPLAIN LIMITS  
PROPERTY BOUNDARY  
EXISTING CONTOUR  
PROPOSED CONTOUR  
TREE PROTECTION FENCE (PERMANENT)  
SILT/SUPER SILT FENCE (TEMPORARY)  
WOODLAND PRESERVATION SIGN  
REFORESTATION/AFFORESTATION SIGN  
STEEP SLOPES - 15%+

WOODLAND PRESERVATION AREA (WPA)  
WOODLAND REFORESTATION/AFFORESTATION AREA (WRA)  
NATURAL REGENERATION AREA (NRA)  
CLEARED FLOODPLAIN AREA (C-FP)

Lot by Lot Conservation Chart  
Sheet 2

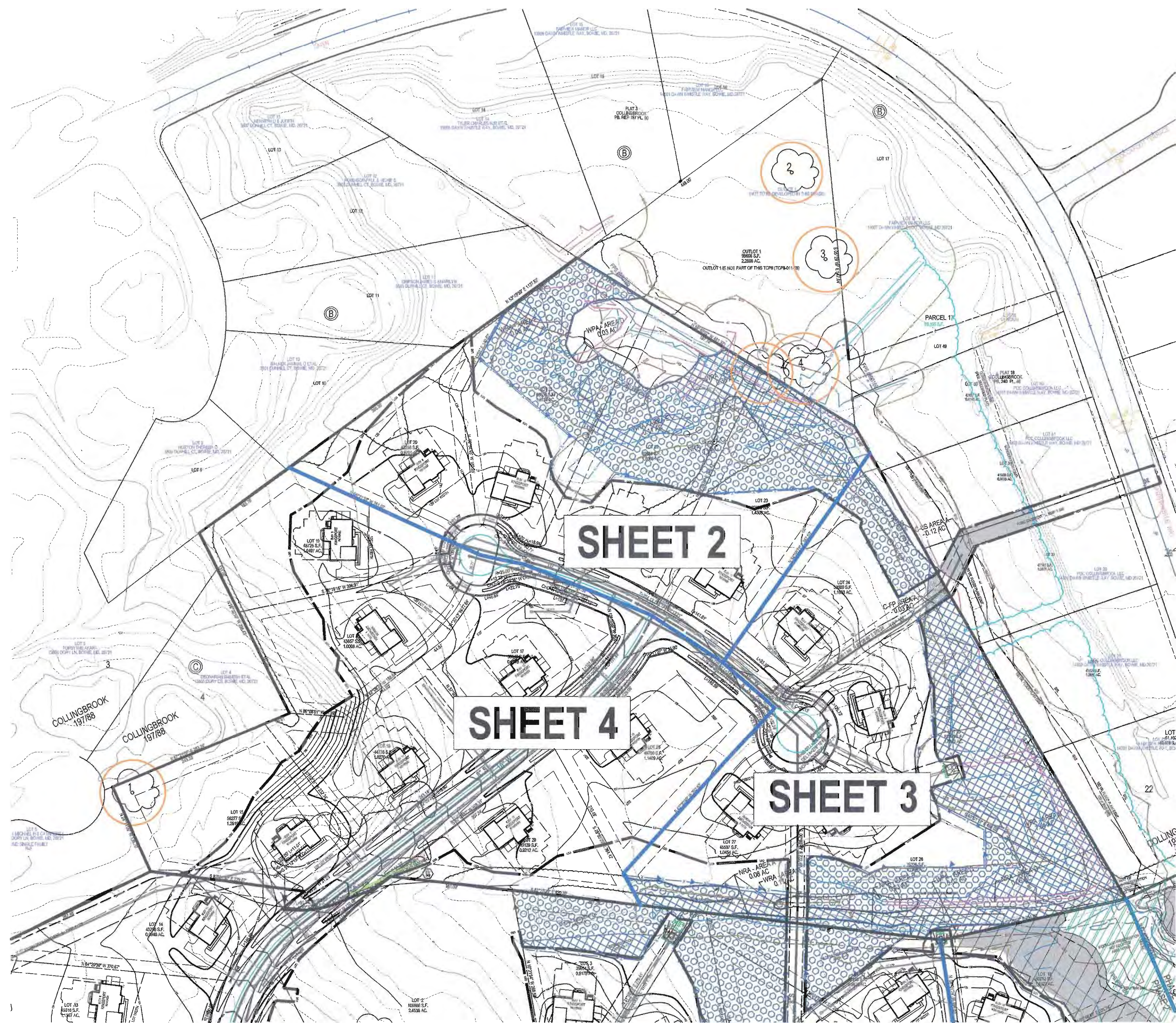
Lot	Woodland Preservation Area (WPA)	Woodland Reforestation/Afforestation Area (WRA)	Natural Regeneration Area (NRA)
21	0.03	0.11	0.57
22	-	0.24	0.52
23	-	0.22	0.38
<b>TOTAL</b>	<b>0.03</b>	<b>0.57</b>	<b>1.47</b>

Lot by Lot Conservation Chart  
Sheet 3

Lot	Woodland Preservation Area (WPA)	Woodland Reforestation/Afforestation Area (WRA)	Natural Regeneration Area (NRA)
24	-	-	0.24
25	-	1.10	-
26	0.02	0.44	0.49
27	-	0.11	0.08
<b>TOTAL</b>	<b>0.02</b>	<b>1.65</b>	<b>0.81</b>

General Information Table

Layer Category	Layer Name	Value
Zone	Zoning (Zone)	R-E
Zone	Aviation Policy Area (APA)	Freeway Airport
Administrative	Tax Grid (TMG)	54-D3
Administrative	WSSC Grid (Sheet 20)	205NE12
Administrative	Policy Analysis Zone (PAZ)	265E
Administrative	Planning Area (Plan Area)	74A
Administrative	Election District (ED)	7
Administrative	Councilmanic District (CD)	4
Administrative	General Plan 2002 Tier (Tier)	Developing
Administrative	Traffic Analysis Zone (COG) (TAZ-COG)	1144
Administrative	PG Traffic Analysis Zone (TAZ-PG)	2409



Conservation Summary Table

Area	Woodland Preservation Area (WPA)	Cleared Off-Site Area (C-OS)	Cleared Floodplain Area (C-FP)	Woodland Reforestation/Afforestation Area (WRA)	Natural Regeneration Area (NRA)
A	-	0.12	0.03	0.11	0.08
B	-	-	-	1.54	0.43
C	0.02	-	-	-	1.71
D	0.03	-	-	0.38	0.06
E	-	-	-	0.11	-
F	-	-	-	0.08	-
<b>TOTAL</b>	<b>0.05</b>	<b>0.12</b>	<b>0.03</b>	<b>2.22</b>	<b>2.28</b>

### Standard Woodland Conservation Worksheet for Prince George's County

**SECTION I-Establishing Site Information** (Enter acres for each zone)

1 Zone:	R-E
2 Gross Tract:	20.83
3 Floodplain:	2.13
4 Previously Dedicated Land:	0.00
5 Net Tract (NTA):	18.50

6 TCP Number: TCP101108-01  
7 Property Description or Subdivision Name: LonerGAN  
8 Is this site subject to the 1989 or 1991 Ordinance: N  
9 Subject to 2010 Ordinance and in PFA (Priority Funding Area): N  
10 Is this one (1) single family lot? (Y or N): N  
11 Are there prior TCP approvals which include a combination of this lots? (Y or N): Y  
12 Is any portion of the property in a WC Bank? (Y or N): Y  
13 Break-even Point (preservation) = 0.01 acres  
14 Clearing permitted w/o reforestation = 0.05 acres

**SECTION II-Determining Requirements** (Enter acres for each corresponding column)

	Column A WCT/AFT %	Column B Net Tract	Column C Floodplain (1:1)	Column D Off-Site Impacts (1:1)
15 Existing Woodland		0.06		
16 Woodland Conservation Threshold (WCT) =	0.00%	0.00	0.43	
17 Smaller of 13 or 14		0.00		
18 Woodland above WCT		0.06		
19 Woodland cleared		0.01	0.03	0.12
20 Woodland cleared above WCT (smaller of 16 or 17)		0.01		
21 Clearing above WCT (0.25 : 1) replacement requirement		0.00		
22 Woodland cleared below WCT		0.00		
23 Clearing below WCT (2:1 replacement requirement)		0.00		
24 Reforestation Required Threshold (AFT) =	20.00%	3.64		
25 Off-site WCA being provided on this property		0.00		
26 Woodland Conservation Required		3.79		

**SECTION III-Meeting the Requirements** (Enter acres for each corresponding column)

27 Woodland Preservation	0.05			
28 Afforestation / Reforestation	2.22			Bond amount \$ 58,806.00
29 Natural Regeneration	2.28			
30 Landscape Credit	0.03			
31 Specimen/Historic Tree Credit (CRZ area * 2.0)	0.00	0.00		
32 Forest Enhancement Credit (Area * .25)	0.00	0.00		
33 Street Tree Credit (Existing or 10-year canopy coverage)	0.00			
34 Area approved for fee-in-lieu	0.00			Fee amount \$0.00
35 Off-site Woodland Conservation Credits Required	0.00			
36 Off-site WCA (preservation) being provided on this property	0.00			
37 Off-site WCA (afforestation) being provided on this property	0.00			
38 Woodland Conservation Provided		4.55		

39 Area of woodland not cleared	0.05 acres
40 Net tract woodland retained not part of requirements:	0.00 acres
41 100-foot floodplain woodland retained	0.40 acres
42 On-site woodland conservation provided	4.55 acres
43 On-site woodland conservation alternatives provided	0.00
44 On-site woodland retained not credited	0.40 acres

44 Prepared by: \_\_\_\_\_ Signed: \_\_\_\_\_ Date: \_\_\_\_\_

NOTE: ALL NATURAL REGENERATION IS EXISTING AS OF 5/1/2016 AND MEETS THE REQUIREMENTS FOR AFFORESTATION AND/OR WOODLAND PRESERVATION. THE 0.76 ACRES OF EXCESS CONSERVATION PROVIDED SHOWN ON THIS CHART IS TO BE PROVIDED FOR RODENHAUSER PROPERTY LOCATED DIRECTLY SOUTH OF LONERGAN (TCP2-037-07). TCP2-037-07 SHOWS 0.76 ACRES OFF-SITE WOODLAND CONSERVATION CREDITS REQUIRED. THE 0.76 ACRES OF OFF-SITE AFFORESTATION BEING PROVIDED INCLUDES 0.76 ACRES OF NATURAL REGENERATION. BOTH LONERGAN AND RODENHAUSER ARE OWNED BY COLLINGSBROOK DEVELOPMENT LLC.

WOODLANDS PRESERVED, PLANTED OR REGENERATED IN FULFILLMENT OF WOODLAND CONSERVATION REQUIREMENTS ON-SITE HAVE BEEN PLACED IN A WOODLAND AND WILDLIFE HABITAT CONSERVATION EASEMENT RECORDED IN THE PRINCE GEORGE'S COUNTY LAND RECORDS AT LIBER 39.472 FOLIO 1.64. REVISIONS TO THE TCP2 MAY REQUIRE A REVISION TO THE RECORDED EASEMENT.

WOODLANDS PRESERVED, PLANTED OR REGENERATED IN FULFILLMENT OF WOODLAND CONSERVATION REQUIREMENTS PROVIDED ON-SITE AS OFF-SITE MITIGATION FOR RODENHAUSER PROPERTY TCP2-037-07 HAVE BEEN PLACED IN A WOODLAND AND WILDLIFE HABITAT CONSERVATION EASEMENT RECORDED IN THE PRINCE GEORGE'S COUNTY LAND RECORDS AT LIBER 39.472 FOLIO 1.64. REVISIONS TO THE TCP2 MAY REQUIRE A REVISION TO THE RECORDED EASEMENT.

Property Owners Awareness Certificate

I, We, COLLINGSBROOK 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 the TCP2.

Owner: \_\_\_\_\_ Date: 2/23/2017

Owner's On-Site Representative: \_\_\_\_\_ Date: \_\_\_\_\_

COLLINGSBROOK DEVELOPMENT, LLC  
BY CARLOS HOMES, INC. AUTHORIZED SIGNATURE  
BY MARK SOMERVILLE, PRESIDENT

Prince George's County Planning Department, M-NGPPC  
Environmental Planning Section

**TREE CONSERVATION PLAN APPROVAL**  
TCP11-011-08

#	APPROVED BY	DATE	DRD CASE
00	MEGAN K. REISER	12/10/14	
01	Megan K. Reiser	9/29/17	
02			
03			
04			
05			

**SOLTESZ**

LANHAM OFFICE  
4300 Forbes Boulevard, Suite 230  
Lanham, MD 20706  
P. 301.794.7555 F. 301.794.7656

Rockville  
Lanham  
Waldorf  
Leonardtown  
Frederick

www.soltesz.com

7	REVISE NATURAL REGENERATION AREA ON LOT 26 AND ASSOCIATED CHARTS AND WORKSHEET	BOG	9/14/16	
6	REVISE AFFORESTATION AREAS ON LOTS 21-26 AND AFFORESTATION TO NATURAL REGENERATION WHERE CURRENTLY PRESENT.	JPM	7/19/16	
5	REVISE PHASE 2	BOG	12/19/14	
4	REVISION TO REMOVE LOT 30 AFFORESTATION AND ADD TO LOTS 8,9,10,25,26,28,29	KVC	6/11/13	
3	REVISION TO ADDRESS 11/8/12 MNCPPC COMMENTS	KVC	5/15/13	
2	REVISION TO ADDRESS MNCPPC COMMENTS DATED 9/27/12	KVC	10/24/12	
1	REVISION TO ADD PHASE 2	KVC	7/20/12	
NO.	REVISIONS		BY	DATE
DATE:	7/19/16	CAD STANDARDS VERSION:	V8 - 2000	
DESIGNED:	YOR	TECHNICIAN:	YOR	
		CHECKED:	XYI	

**MISS UTILITY NOTE**

INFORMATION CONCERNING EXISTING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS. THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION AND ELEVATION OF ALL EXISTING UTILITIES AND UTILITY CROSSINGS BY DIGGING TEST PITS BY HAND, WELL IN ADVANCE OF THE START OF EXCAVATION. CONTACT MISS UTILITY AT 1-800-551-7177. 48 HOURS PRIOR TO THE START OF EXCAVATION, IF CLEARANCES ARE LESS THAN SHOWN ON THIS PLAN OR TWELVE (12) INCHES, WHOEVER IS LESS, CONTACT THE ENGINEER AND THE UTILITY COMPANY BEFORE PROCEEDING WITH CONSTRUCTION. CLEARANCES LESS THAN NOTED MAY REQUIRE REVISIONS TO THIS PLAN.

**OWNER/DEVELOPER/APPLICANT**

CARUSO HOMES, INC.  
1655 CROFTON BLVD., SUITE 200  
CROFTON, MARYLAND 21114  
301-261-0277  
301-576-3923 (FAX)  
CONTACT: MARK SOMERVILLE

MAP 5412 GRID J10

54-D3 ZONING CATEGORY: RE

WSSC 200 SHEET 205 NE 12

SITE DATUM

HORIZONTAL: XXXXXX

VERTICAL: XXXXXX

QUALIFIED PROFESSIONAL CERTIFICATION

Signature: \_\_\_\_\_ Date: 9/29/17

John P. Madorsich  
All Inquiries: 301-794-7555  
11532 Trubeebrook Drive  
Waldorf, MD 20697  
Phone: 301-643-4077  
E-mail: jmadorsich@soltesz.com

STATE OF MARYLAND  
BOARD OF FORESTRY

## TREE CONSERVATION PLAN TYPE 2

## LONERGAN

BOWIE (14th) ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

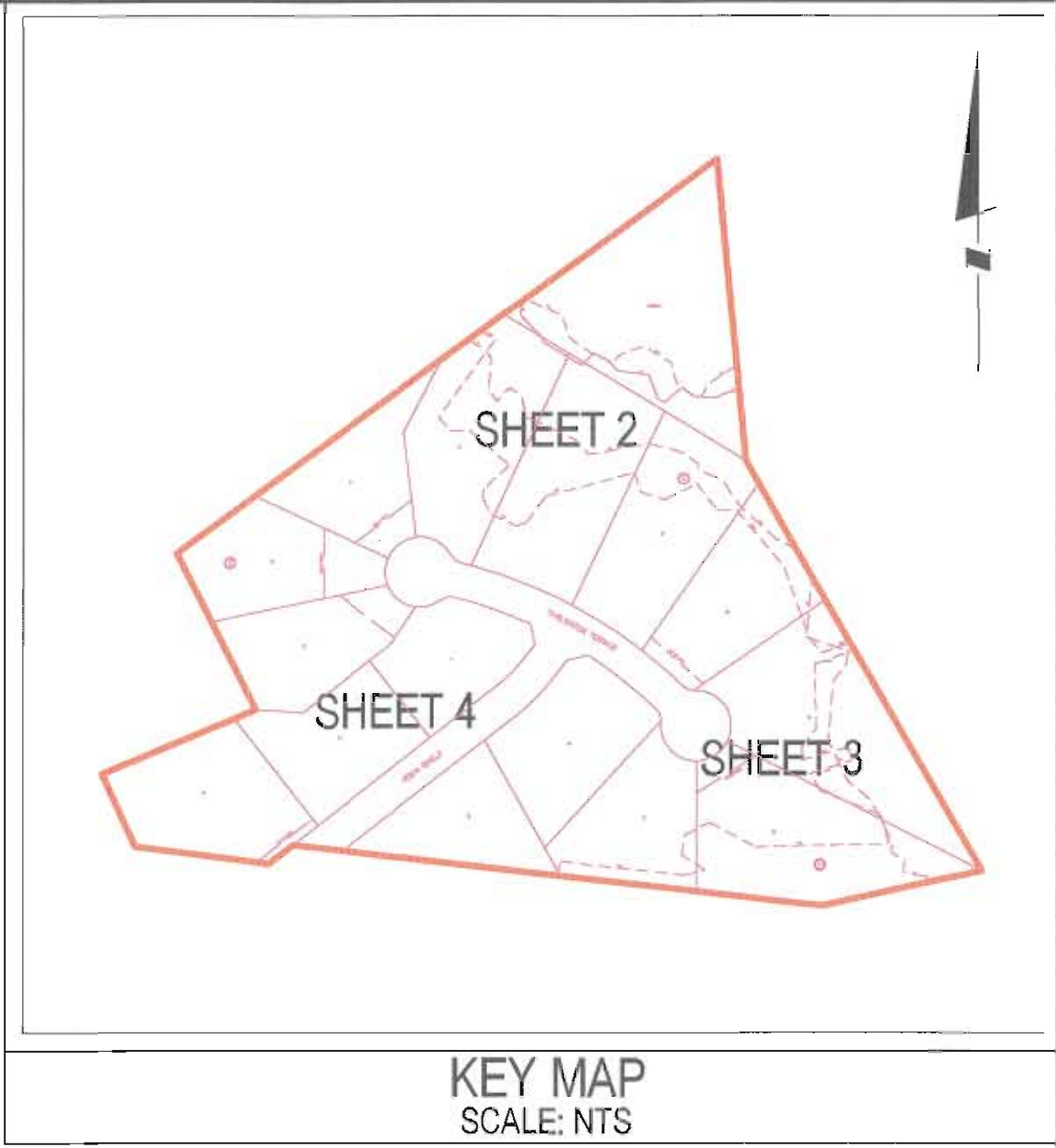
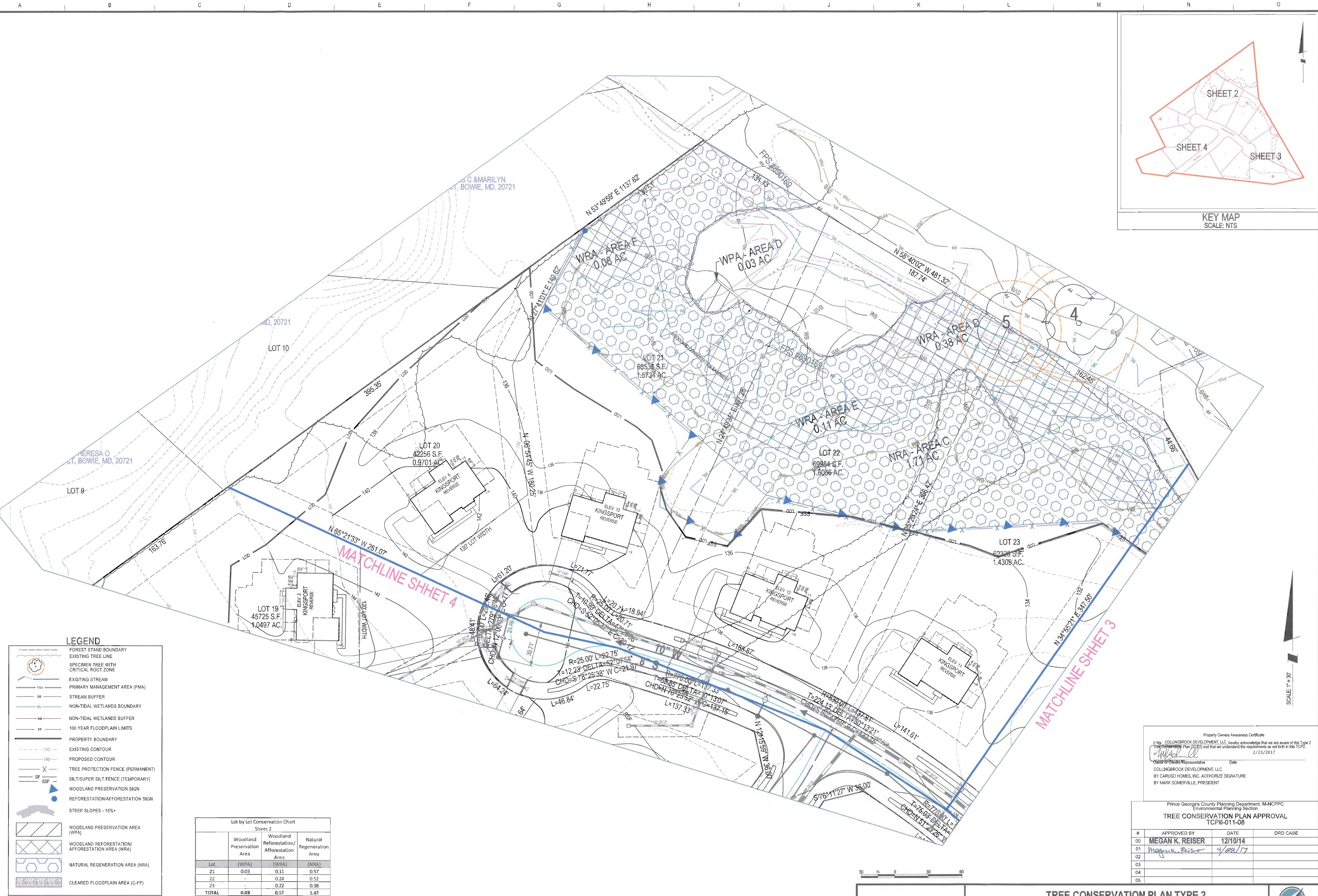
1" = 100'

SHEET 1 OF 5

PROJECT NO.



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**LEGEND**

- FOREST STAND BOUNDARY
- EXISTING TREE LINE
- SPECIMEN TREE WITH CRITICAL ROOT ZONE
- EXISTING STREAM
- PRIMARY MANAGEMENT AREA (PMA)
- STREAM BUFFER
- NON-TIDAL WETLANDS BOUNDARY
- NON-TIDAL WETLANDS BUFFER
- 100 YEAR FLOODPLAIN LIMITS
- PROPERTY BOUNDARY
- EXISTING CONTOUR
- PROPOSED CONTOUR
- TREE PROTECTION FENCE (PERMANENT)
- SILT/SUPER SILT FENCE (TEMPORARY)
- WOODLAND PRESERVATION SIGN
- REFORESTATION/AFFORESTATION SIGN
- STEEP SLOPES - 15%+
- WOODLAND PRESERVATION AREA (WPA)
- WOODLAND REFORESTATION/AFFORESTATION AREA (WRA)
- NATURAL REGENERATION AREA (NRA)
- CLEARED FLOODPLAIN AREA (C-FP)

Lot by Lot Conservation Chart			
Sheet 2			
Lot	Woodland Preservation Area (WPA)	Woodland Reforestation/Afforestation Area (WRA)	Natural Regeneration Area (NRA)
21	0.03	0.11	0.57
22	-	0.24	0.52
23	-	0.22	0.38
TOTAL	0.03	0.57	1.47

**MISS UTILITY NOTE**

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**OWNER/DEVELOPER/APPLICANT**

CARUSO HOMES, INC.  
1655 CROFTON BLVD, SUITE 200  
CROFTON, MARYLAND 21114  
301-281-0277  
301-576-3923 (FAX)  
CONTACT: MARK SOMERVILLE

MAP 5412 GRID J10  
TAX MAP 54 D-3 ZONING CATEGORY: R-E  
WBSO 200 SHEET XXXX  
205 NE 12  
SITE DATUM  
HORIZONTAL: XXXXXX  
VERTICAL: XXXXXX



**TREE CONSERVATION PLAN TYPE 2 PHASE II**

**LONERGAN**

PRINCE GEORGE'S COUNTY PLANNING DEPARTMENT, M-NCPPC Environmental Planning Section

**TREE CONSERVATION PLAN APPROVAL**  
TCPH-011-08

#	APPROVED BY	DATE	DRD CASE
00	MEGAN K. REISER	12/10/14	
01	Megan K. Reiser	4/28/17	
02			
03			
04			
05			

PROJECT NO. 2 OF 5

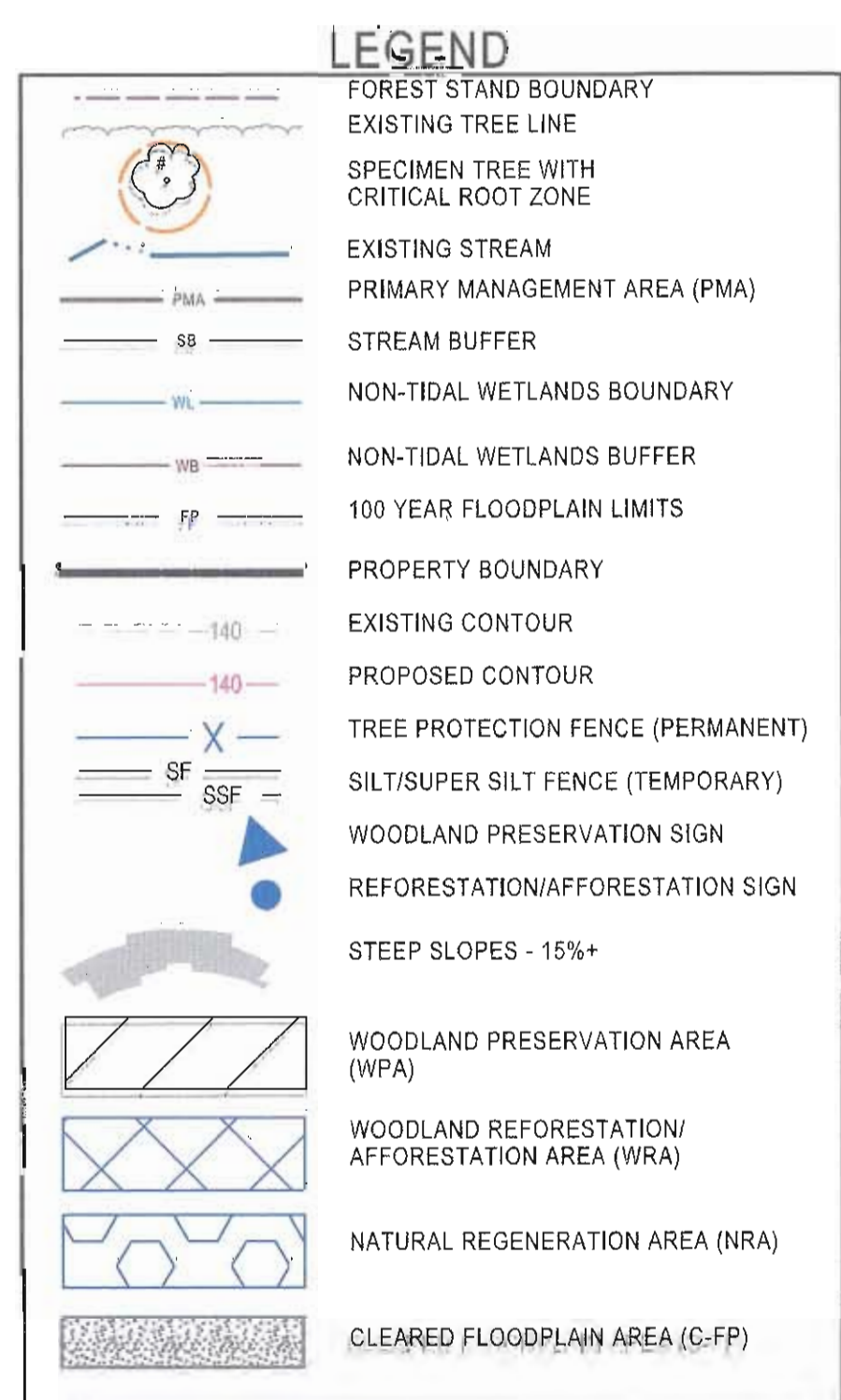
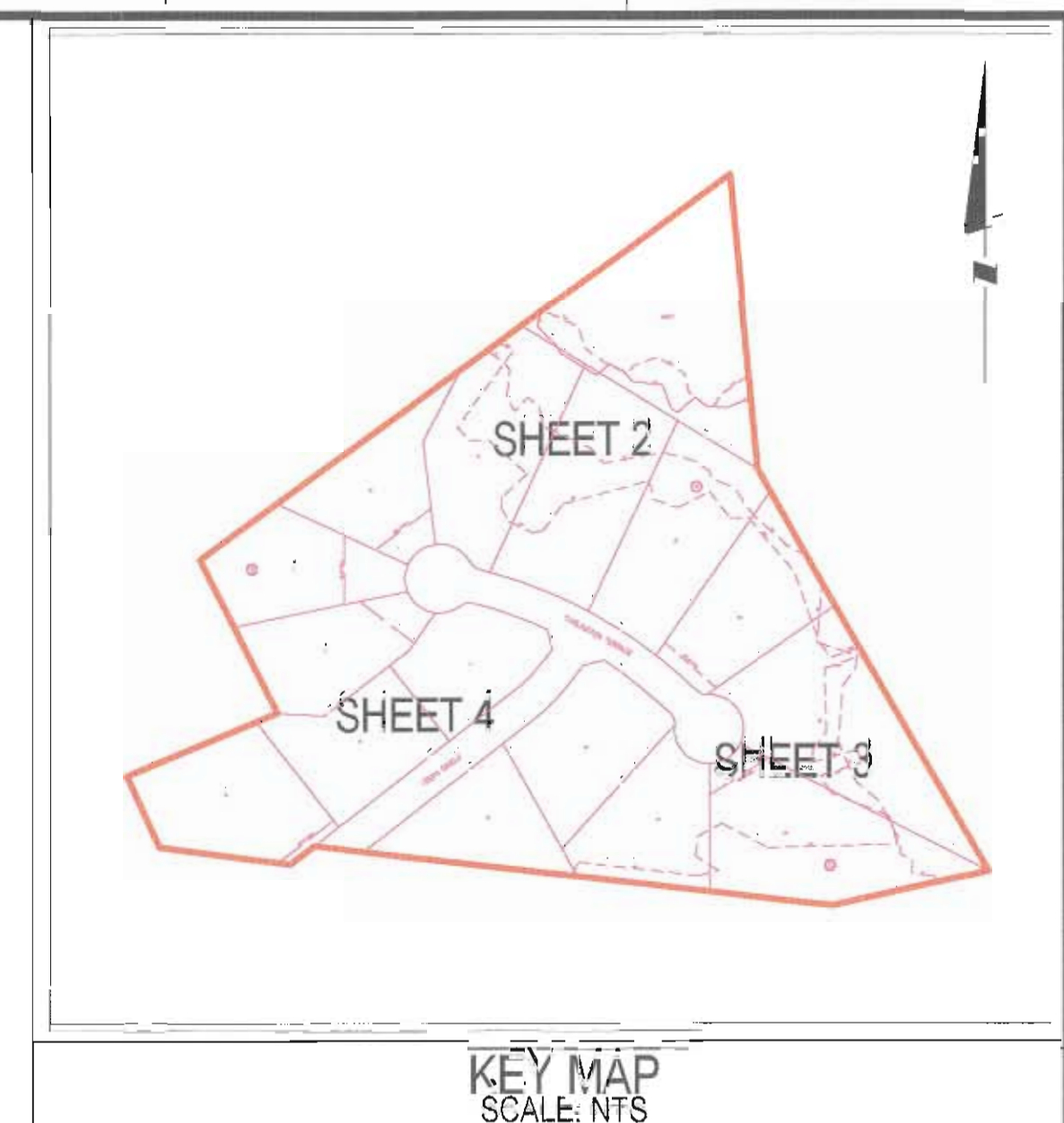
**SOLTESZ**

Engineering  
Planning  
Environmental Sciences

LANHAM OFFICE  
4300 Forbes Boulevard, Suite 230  
Lanham, MD 20706  
P. 301.794.7555 F. 301.794.7656

Rockville Lanham Waldorf Leonardtown Frederick	DATE: 7/19/16 DESIGNED: YOR	CAD STANDARDS VERSION: V8 - 2005 TECHNICAL: YOR	REVISIONS: 7 REVISE NATURAL REGENERATION AREA ON LOT 26 AND ASSOCIATED CHARTS AND WORKSHEET 6 REVISE AFFORESTATION AREAS ON LOTS 21-26 AND AFFORESTATION TO NATURAL REGENERATION WHERE CURRENTLY PRESENT. 5 REVISE PHASE 2 4 REVISION TO REMOVE LOT 30 AFFORESTATION AND ADD TO LOTS 8, 9, 10, 25, 26, 28 & 29 3 REVISION TO ADDRESS MNCPPC COMMENTS 2 REVISION TO ADDRESS MNCPPC COMMENTS DATED 9/27/12 1 REVISION TO ADD PHASE 2	BCG 5/14/16 JPM 7/19/16 BCG 12/19/14 KWC 01/11/13 KWC 5/15/13 KWC 10/24/12 KWC 7/20/12	BY DATE
--	--------------------------------	--	---	--	---------





	Woodland Preservation Area	Woodland Reforestation/ Afforestation Area	Natural Regeneration Area
Lot	(WPA)	(WRA)	(NRA)
24	-	-	0.24
25	-	1.10	-
26	0.02	0.44	0.49
27	-	0.55	0.08
<b>TOTAL</b>	<b>0.02</b>	<b>1.65</b>	<b>0.81</b>

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.

M. J. Somerville 2/23/2017

Owner's Authorized Representative Date

COLLINGBROOK DEVELOPMENT, LLC  
BY CARUSO HOMES, INC. AUTHORIZED SIGNATURE  
BY MARK SOMERVILLE, PRESIDENT

Prince George's County Planning Department, M-NCPPC Environmental Planning Section			
TREE CONSERVATION PLAN APPROVAL			
TCPII.011.08			
#	APPROVED BY	DATE	DRD CASE
00	M. ZAN K. REISER	12/10/14	
01	Megyn Reiser	4/28/17	
02			
03			
04			



LANHAM OFFICE  
4300 Forbes Boulevard, Suite 230  
Lanham, MD 20706  
P. 301.794.7535 F. 301.794.7656

Rockville  
Lanham  
Waldorf  
Leesandtown  
Frederick

7	REVISE MATERIAL REGISTRATION AREA ON LOT 21-26 AND ASSOCIATED SHARDY AND WORKSHEET	JCM	9/14/16
8	REVISE AFFORESTATION AREAS ON LOT 21-26 AND ASSOCIATION TO NATURAL REGISTRATION WHERE CURRENTLY PRESENT.	BCW	7/19/16
9	REVISION PHASE 2	KVC	12/19/14
10	REVISION TO REMOVE LOT 30 AFFORESTATION AND ADD TO LOTS 8,9,10,26,28,29	KVC	6/11/13
11	REVISION TO ADDRESS MNP/CMPC COMMENTS	KVC	5/15/15
12	REVISION TO ADDRESS MNP/CMPC COMMENTS DATED 8/27/12	KVC	10/24/12
13	REVISION TO ADD PHASE 2	KVC	7/20/12
NO.	REVISION	BY	DATE
DATE	12/16/16	BY	DATE
REVISION	2016	2016	2016
DATE	12/16/16	BY	DATE

MISS UTILITY NOTE:

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OWNER/DEVELOPER/APPLICANT

CARUSO HOMES, INC.  
1655 CROFTON BLVD. SUITE 200  
CROFTON, MARYLAND 21114  
301-261-0277  
301-576-3923 (FAX)  
CONTACT: MARK SOMERVILLE

MAP	5412	GRID	J10
TAX MAP	54 D-3	ZONING CATEGORY:	R-E
W/ADJ. NEW ZONING		W/ADJ. NEW ZONING	
205 NE 12			
SITE DATA		XXXX:	
HORIZONTAL: XXXXXX			
VERTICAL: XXXXXX			

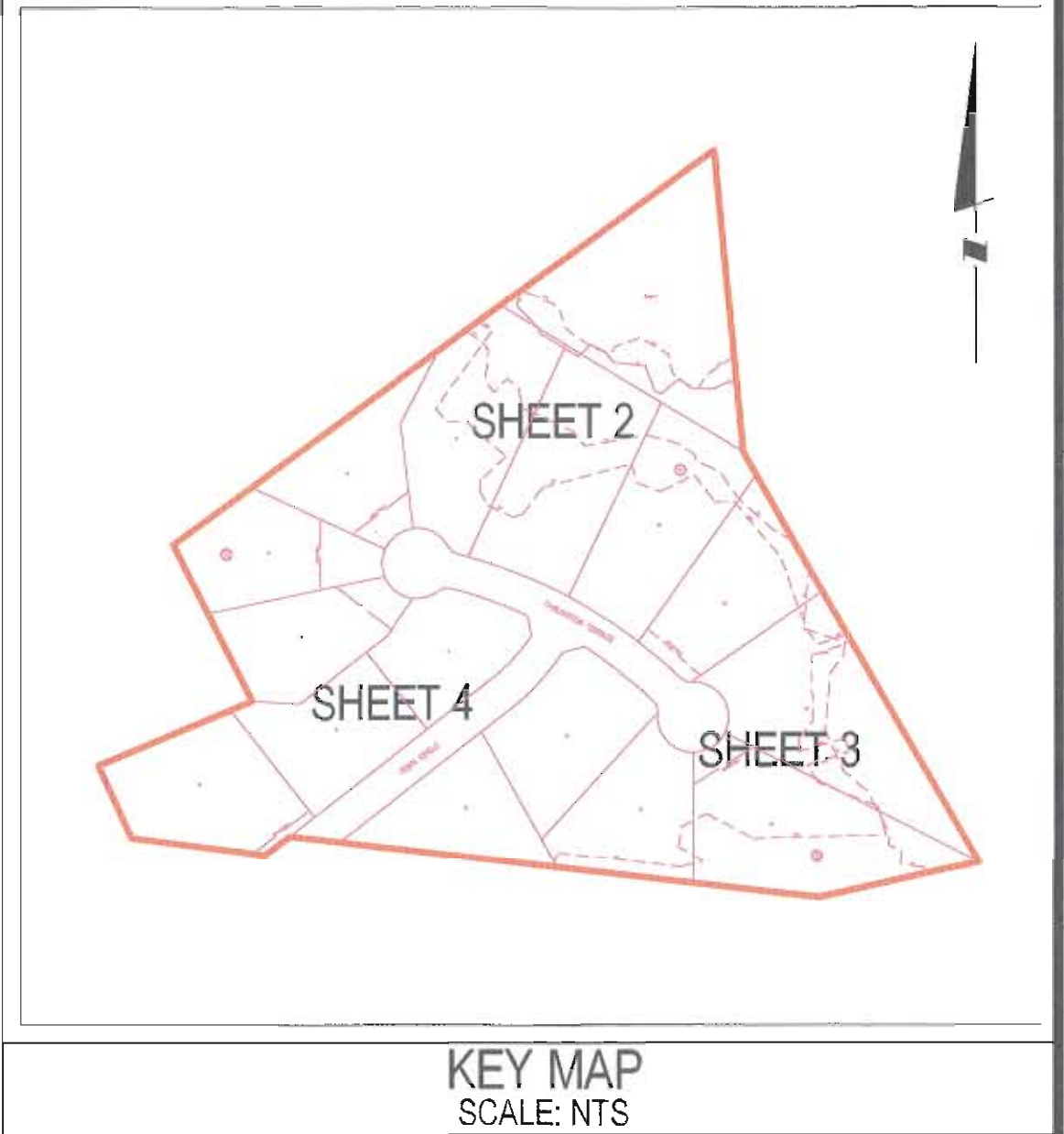
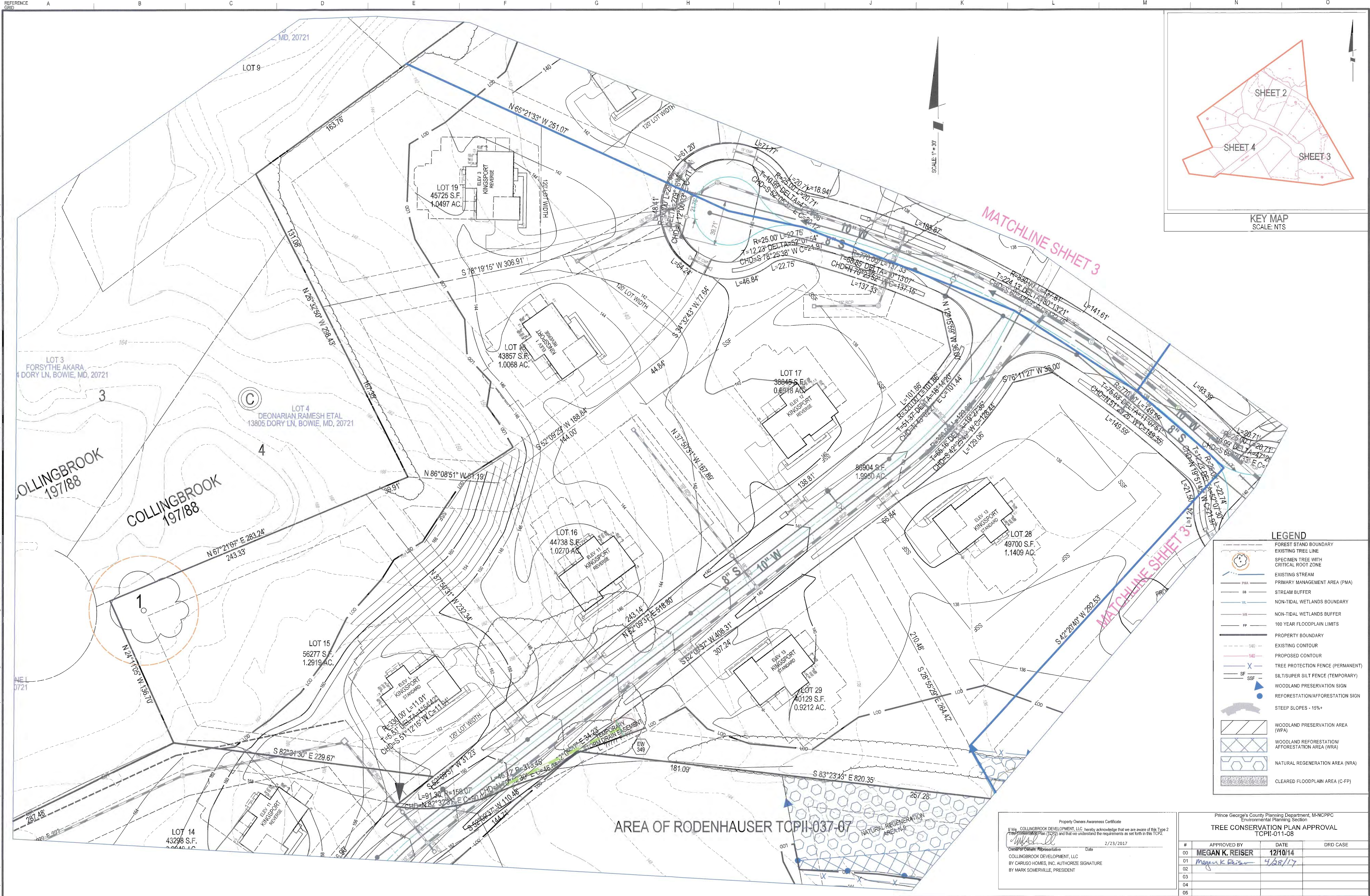


**LONERGAN**

BO (14th) EL ELECT, ON DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND



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LEGEND	
	FOREST STAND BOUNDARY
	EXISTING TREE LINE
	SPECIMEN TREE WITH CRITICAL ROOT ZONE
	EXISTING STREAM
	PRIMARY MANAGEMENT AREA (PMA)
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	NON-TIDAL WETLANDS BOUNDARY
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	100 YEAR FLOODPLAIN LIMITS
	PROPERTY BOUNDARY
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	SILT/SUPER SILT FENCE (TEMPORARY)
	WOODLAND PRESERVATION SIGN
	REFORESTATION/AFFORESTATION SIGN
	STEEP SLOPES - 15%+
	WOODLAND PRESERVATION AREA (WPA)
	WOODLAND REFORESTATION/AFFORESTATION AREA (WRA)
	NATURAL REGENERATION AREA (NRA)
	CLEARED FLOODPLAIN AREA (C-FP)

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'S Representative: *Megan K. Reiser* Date: 2/23/2017

COLLINGBROOK DEVELOPMENT, LLC  
BY CARUSO HOMES, INC. AUTHORIZED SIGNATURE  
BY MARK SOMERVILLE, PRESIDENT

Prince George's County Planning Department, M-NCPPC Environmental Planning Section			
TREE CONSERVATION PLAN APPROVAL TCP11-011-08			
#	APPROVED BY	DATE	DRD CASE
00	MEGAN K. REISER	12/10/14	
01	<i>Megan K. Reiser</i>	4/28/17	
02			
03			
04			
05			



Engineering  
Planning  
Environmental Sciences

Rockville  
Lanham  
Waldorf  
Leonardtown  
Frederick

REVISIONS		REVISIONS	
NO.	DATE	NO.	DATE
7	7/19/16	BCG	9/14/16
6		JPM	7/19/16
5		BCG	12/9/14
4		KVC	6/11/13
3		KVC	5/15/13
2		KVC	10/24/12
1		KVC	7/20/12
DATE: 7/19/16		CAD STANDARDS VERSION: V8 - 2009	
DESIGNED: YOR		TECHNICIAN: YOR	
		CHECKED: XYI	

**MISS UTILITY NOTE**

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

**OWNER/DEVELOPER/APPLICANT**

CARUSO HOMES, INC.  
1655 CROFTON BLVD., SUITE 200  
CROFTON, MARYLAND 21114  
301-261-0277  
301-476-3023 (FAX)  
CONTACT: MARK SOMERVILLE

MAP: 5412	GRID: J10
TAX MAP: 54 D-3	ZONING CATEGORY: R-E
N/S&C 200 SHEET: 205 NE 12	XXXX:
SITE DATUM: XXXXXX	XXXX:
VERTICAL: XXXXXX	



**TREE CONSERVATION PLAN TYPE 2  
PHASE II**

**LONERGAN**

BOWIE (14th) ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

PROJECT NO. \_\_\_\_\_

SHEET **4** OF **5**



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- GENERAL NOTES
1. THIS PLAN IS SUBMITTED TO FULFILL THE WOODLAND CONSERVATION REQUIREMENTS FOR A GRADING PERMIT. IF THIS GRADING PERMIT EXPIRES, THEN THIS TOP2 ALSO EXPIRES AND IS NO LONGER VALID.
  2. 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 \$300 PER SQUARE FOOT MITIGATION FEE.
  3. A PRE-CONSTRUCTION MEETING IS REQUIRED PRIOR TO THE ISSUANCE OF GRADING PERMITS, THE DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION OR THE DEPARTMENT OF ENVIRONMENTAL RESOURCES, AS APPROPRIATE, SHALL BE CONTACTED PRIOR TO THE START OF ANY WORK ON THE SITE TO CONDUCT A PRE-CONSTRUCTION MEETING WHERE THE IDENTIFICATION OF WOODLAND CONSERVATION MEASURES SHOWN ON THIS PLAN WILL BE DISCUSSED IN DETAIL.
  4. THE DEVELOPER OR BUILDER OF THE LOTS OR PARCELS SHOWN ON THIS PLAN SHALL NOTIFY FUTURE BUYERS OF ANY WOODLAND CONSERVATION AREAS THROUGH THE PROVISION OF A COPY OF THIS PLAN AT THE TIME OF CONTRACT SIGNING. FUTURE PROPERTY OWNERS ARE ALSO SUBJECT TO THIS REQUIREMENT.
  5. THE OWNERS OF THE PROPERTY SUBJECT TO THIS TREE CONSERVATION PLAN ARE SOLELY RESPONSIBLE FOR CONFORMANCE TO THE REQUIREMENTS CONTAINED HEREIN.
  6. THE PROPERTY IS WITHIN THE DEVELOPING TIER AND IS ZONED R-6.
  7. THE SITE IS NOT ADJACENT TO A ROADWAY DESIGNATED AS SCENIC, HISTORIC, A PARKWAY OR A SCENIC BYWAY.
  8. THE SITE IS NOT ADJACENT TO A ROADWAY CLASSIFIED AS ARTERIAL OR GREATER.

9. ALL WOODLANDS DESIGNATED ON THIS PLAN FOR PRESERVATION ARE THE RESPONSIBILITY OF THE PROPERTY OWNER. THE WOODLAND AREAS SHALL REMAIN IN A NATURAL STATE. THE INDIVIDUALS WHO CHOPED TREES AND UNDERSHOT VEGETATION A REVERSED TREE CONSERVATION PLAN IS REQUIRED PRIOR TO CLEARING WOODLAND AREAS THAT ARE NOT SPECIFICALLY IDENTIFIED TO BE CLEARED ON THE APPROVED TOP2.
10. TREE AND WOODLAND CONSERVATION METHODS SUCH AS ROOT PRUNING SHALL BE CONDUCTED AS NOTED ON THIS PLAN.
11. THE LOCATION OF ALL TEMPORARY TREE PROTECTION FENCING (TPF) SHOWN ON THIS PLAN SHALL BE FLAGGED OR STAKED IN THE FIELD PRIOR TO THE PRE-CONSTRUCTION MEETING. UPON APPROVAL OF THE LOCATION BY THE PLANNING DIRECTOR, THE INSTALLATION OF THE TPF MAY BEGIN.
12. ALL TEMPORARY TREE PROTECTION FENCING REQUIRED BY THIS PLAN SHALL BE INSTALLED PRIOR TO COMMENCEMENT OF CLEARING AND GRADING OF THE SITE AND SHALL REMAIN IN PLACE UNTIL THE END OF THE PROJECT. FAILURE TO INSTALL AND MAINTAIN TEMPORARY OR PERMANENT TREE PROTECTION FENCING IS A VIOLATION OF THIS TOP2.
13. WOODLAND PRESERVATION AREAS SHALL BE POSTED WITH SIGNAGE AS SHOWN ON THE PLANS AT THE SAME TIME AS THE TEMPORARY TPF INSTALLATION. THESE SIGNS MUST REMAIN IN PERPETUITY. REMOVAL OF HAZARDOUS TREES OR LIMBS BY DEVELOPERS OR BUILDERS.
14. THE DEVELOPER AND/OR BUILDER IS RESPONSIBLE FOR THE COMPLETE PRESERVATION OF ALL FORESTED AREAS SHOWN ON THE APPROVED PLAN TO REMAIN UNDISTURBED. ONLY TREES OR PARTS THEREOF DESIGNATED BY THE COUNTY AS DEAD, DYING OR HAZARDOUS MAY BE REMOVED.
15. A TREE IS CONSIDERED HAZARDOUS IF A CONDITION IS PRESENT WHICH LEADS A CERTIFIED ARBORIST OR LICENSED TREE EXPERT TO BELIEVE THAT THE TREE OR A PORTION OF THE TREE HAS A POTENTIAL TO FALL AND STRIKE A STRUCTURE, PARKING AREA, OR OTHER HIGH USE AREA AND RESULT IN PERSONAL INJURY OR PROPERTY DAMAGE.

16. DURING THE INITIAL STAGES OF CLEARING AND GRADING, IF HAZARDOUS TREES ARE PRESENT, OR TREES ARE PRESENT THAT ARE NOT HAZARDOUS BUT ARE LEAVING INTO THE DISTURBED AREA, THE PERMITTEE SHALL REMOVE SAID TREES USING A CHAIN SAW. CORRECTIVE MEASURES INCLUDING THE REMOVAL OF THE HAZARDOUS TREES OR PORTIONS THEREOF SHALL BE AUTHORIZED BY THE PLANNING DIRECTOR. ONLY AFTER APPROVAL BY THE INSPECTOR MAY THE TREE BE CUT OR CHAINED. THE TREE TO BE REMOVED SHALL BE IDENTIFIED BY THE TREE EXPERT. THE TREE SHALL BE CUT UP TO NEAR THE EXISTING GROUND LEVEL. THE STUMP SHALL NOT BE REMOVED OR COVERED WITH SOIL, MULCH OR OTHER MATERIALS THAT WOULD INHIBIT SPROUTING.
17. IF A TREE OR TREES BECOME HAZARDOUS PRIOR TO BOND RELEASE FOR THE PROJECT, DUE TO STORM EVENTS OR OTHER SITUATIONS NOT RESULTING FROM AN ACTION BY THE PERMITTEE, PRIOR TO REMOVAL, A CERTIFIED ARBORIST OR LICENSED TREE EXPERT MUST CERTIFY THAT THE TREE OR THE PORTION OF THE TREE IN QUESTION HAS A POTENTIAL TO FALL AND STRIKE A STRUCTURE, PARKING AREA, OR OTHER HIGH USE AREA AND MAY RESULT IN PERSONAL INJURY OR PROPERTY DAMAGE. IF A TREE OR PORTIONS THEREOF ARE IN IMMINENT DANGER OF STRIKING A STRUCTURE, PARKING AREA, OR OTHER HIGH USE AREA AND MAY RESULT IN PERSONAL INJURY OR PROPERTY DAMAGE THEN THE CERTIFICATION IS NOT REQUIRED AND THE PERMITTEE SHALL TAKE CORRECTIVE ACTION IMMEDIATELY. THE CONDITION OF THE AREA SHALL BE FULLY DOCUMENTED THROUGH PHOTOGRAPHS PRIOR TO CORRECTIVE ACTION BEING TAKEN. THE PHOTOS SHALL BE SUBMITTED TO THE INSPECTOR FOR DOCUMENTATION OF THE DAMAGE.
18. IF CORRECTIVE PRUNING MAY ALLEVIATE A HAZARDOUS CONDITION, THE CERTIFIED ARBORIST OR LICENSED TREE EXPERT MAY PROCEED WITHOUT FURTHER AUTHORIZATION. THE PRUNING MUST BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE APPROPRIATE AND A-300 PRUNING STANDARDS. THE CONDITION OF THE AREA SHALL BE FULLY DOCUMENTED THROUGH PHOTOGRAPHS PRIOR TO CORRECTIVE ACTION BEING TAKEN. THE PHOTOS SHALL BE SUBMITTED TO THE INSPECTOR FOR DOCUMENTATION OF THE DAMAGE. DEBRIS FROM THE TREE REMOVAL OR PRUNING THAT OCCURS WITHIN 50 FEET OF THE WOODLAND EDGE MAY BE REMOVED AND PROPERLY DISPOSED OF BY RECYCLING, CHIPPING OR OTHER ACCEPTABLE METHODS. ALL DEBRIS THAT IS MORE THAN 5 FEET FROM THE WOODLAND EDGE SHALL BE CUT UP TO ALLOW CONTACT WITH THE GROUND. THIS ENCOURAGING DECOMPOSITION. THE SMALLER MATERIALS SHALL BE PLACED INTO BRUSH PILES THAT WILL SERVE AS WILDLIFE HABITAT.
19. TREE WORK TO BE COMPLETED WITHIN A ROAD RIGHT-OF-WAY REQUIRES A PERMIT FROM THE MARYLAND DEPARTMENT OF NATURAL RESOURCES UNLESS THE TREE REMOVAL IS SHOWN WITHIN THE APPROVED LIMITS OF DISTURBANCE ON A TOP2. THE WORK IS REQUIRED TO BE CONDUCTED BY A LICENSED TREE EXPERT.

#### POST DEVELOPMENT NOTES

- A. IF THE DEVELOPER OR BUILDER NO LONGER HAS AN INTEREST IN THE PROPERTY AND THE NEW OWNER DESIRES TO REMOVE A HAZARDOUS TREE OR PORTION THEREOF, THE NEW OWNER SHALL OBTAIN A WRITTEN STATEMENT FROM A CERTIFIED ARBORIST OR LICENSED TREE EXPERT IDENTIFYING THE HAZARDOUS CONDITION AND THE PROPOSED CORRECTIVE MEASURES PRIOR TO HAVING THE WORK CONDUCTED. AFTER PROPER DOCUMENTATION HAS BEEN COMPLETED PER THE HANDOUT "GUIDANCE FOR PRINCE GEORGE COUNTY PROPERTY OWNERS, PRESERVATION OF WOODLAND CONSERVATION AREAS", THE ARBORIST OR TREE EXPERT MAY THEN REMOVE THE TREE. THE STUMP SHALL BE CUT AS CLOSE TO THE GROUND AS POSSIBLE AND LEFT IN PLACE. THE REMOVAL OR GRINDING OF THE STUMPS IN THE WOODLAND CONSERVATION AREA IS NOT PERMITTED.
- IF A TREE OR PORTIONS THEREOF ARE IN IMMINENT DANGER OF STRIKING A STRUCTURE, PARKING AREA, OR OTHER HIGH USE AREA AND MAY RESULT IN PERSONAL INJURY OR PROPERTY DAMAGE THEN THE CERTIFICATION IS NOT REQUIRED AND THE PERMITTEE SHALL TAKE CORRECTIVE ACTION IMMEDIATELY. THE CONDITION OF THE AREA SHALL BE FULLY DOCUMENTED THROUGH PHOTOGRAPHS PRIOR TO CORRECTIVE ACTION BEING TAKEN. THE PHOTOS SHALL BE SUBMITTED TO THE INSPECTOR FOR DOCUMENTATION OF THE DAMAGE.
- TREE WORK TO BE COMPLETED WITHIN A ROAD RIGHT-OF-WAY REQUIRES A PERMIT FROM THE MARYLAND DEPARTMENT OF NATURAL RESOURCES UNLESS THE TREE REMOVAL IS SHOWN WITHIN THE APPROVED LIMITS OF DISTURBANCE ON A TOP2. THE WORK IS REQUIRED TO BE CONDUCTED BY A LICENSED TREE EXPERT.

- B. INTENTIONALLY LEFT BLANK.

- C. INTENTIONALLY LEFT BLANK.

- D. THE USE OF CHAINSAWS IS EXTREMELY DANGEROUS AND SHOULD NOT BE CONDUCTED WITH POORLY MAINTAINED EQUIPMENT, WITHOUT SAFETY EQUIPMENT, OR BY INDIVIDUALS NOT TRAINED IN THE USE OF THIS EQUIPMENT FOR THE PRUNING AND/OR CUTTING OF TREES.
- PROTECTION OF REFORESTATION AND AFFORESTATION AREAS BY INDIVIDUAL HOMEOWNERS

- A. REFORESTATION FENCING AND SIGNAGE SHALL REMAIN IN PLACE IN ACCORDANCE WITH THE APPROVED TYPE 2 TREE CONSERVATION PLAN.

- B. REFORESTATION AREAS SHALL NOT BE MOVED; HOWEVER, THE MANAGEMENT OF COMPETING VEGETATION AND REMOVAL OF NOXIOUS, INVASIVE, AND NON-NATIVE VEGETATION AROUND INDIVIDUAL TREES IS ACCEPTABLE.

#### AFFORESTATION AND REFORESTATION NOTES

- A. ALL AFFORESTATION AND REFORESTATION BONDS, BASED ON SQUARE FOOTAGE, SHALL BE POSTED WITH THE COUNTY PRIOR TO THE ISSUANCE OF ANY PERMITS. THESE BONDS WILL BE RETAINED AS SURETY UNTIL ALL REQUIRED ACTIVITIES HAVE BEEN SATISFIED OR THE REQUIRED TIMEFRAME FOR MAINTENANCE HAS PASSED, WHICHEVER IS LONGER.
- B. THE PLANTING OF AFFORESTATION OR REFORESTATION AREAS SHALL BE COMPLETED PRIOR TO THE ISSUANCE OF THE FIRST BUILDING PERMIT. SEEDLING PLANTING IS TO OCCUR FROM MARCH THROUGH NOVEMBER ONLY. NO PLANTING SHALL BE DONE WHILE GROUND IS FROZEN. PLANTING WITH LARGER CALIPER STOCK OR CONTAINERIZED TREES MAY BE DONE AT ANY TIME PROVIDED A DETAILED MAINTENANCE SCHEDULE IS PROVIDED.
- C. 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 2 TREE CONSERVATION PLAN. PLANTING SHALL BE ACCOMPLISHED DURING THE NEXT PLANTING SEASON. IF PLANTING IS DELAYED BEYOND THE TRANSFER OF THE PROPERTY TITLE TO THE HOMEOWNER, THE DEVELOPER OR BUILDER SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF THE PERMANENT FENCING AND SIGNAGE. 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 COUNTY.

- D. REFORESTATION AREAS SHALL NOT BE MOVED; HOWEVER, THE MANAGEMENT OF COMPETING VEGETATION AROUND INDIVIDUAL TREES AND REMOVAL OF NOXIOUS, INVASIVE, AND NON-NATIVE VEGETATION WITHIN THE REFORESTATION AREAS IS ACCEPTABLE.
- E. ALL REQUIRED TEMPORARY TREE PROTECTION FENCING SHALL BE INSTALLED PRIOR TO THE CLEARING AND GRADING OF THE SITE AND SHALL REMAIN IN PLACE UNTIL THE PERMANENT TREE PROTECTION FENCING IS INSTALLED WITH THE REQUIRED PLANTING. THE TEMPORARY FENCING IS NOT REQUIRED TO BE INSTALLED IF THE PERMANENT FENCING IS INSTALLED PRIOR TO CLEARING AND GRADING OF THE SITE. FAILURE TO INSTALL AND MAINTAIN TEMPORARY OR PERMANENT TREE PROTECTIVE FENCING IS A VIOLATION OF THIS TOP2.
- F. AFFORESTATION/REFORESTATION AREAS SHALL BE POSTED WITH NOTIFICATION SIGNAGE, AS SHOWN ON THE PLANS, AT THE SAME TIME AS THE PERMANENT PROTECTION FENCING INSTALLATION. THESE SIGNS SHALL REMAIN IN PERPETUITY.
- G. THE COUNTY INSPECTOR SHALL BE NOTIFIED PRIOR TO SOIL PREPARATION OR INITIATION OF ANY TREE PLANTING ON THIS SITE.

- H. AT TIME OF ISSUANCE OF THE FIRST PERMIT, THE FOLLOWING INFORMATION SHALL BE SUBMITTED TO THE PLANNING DIRECTOR: THE COUNTY RESPONDING TO THE CONTRACTOR RESPONSIBLE FOR THE IMPLEMENTATION OF THIS PLAN, CONTRACTOR NAME, BUSINESS NAME (IF DIFFERENT), ADDRESS, PHONE NUMBER, RESULTS OF ANNUAL SURVIVAL CHECKS FOR EACH OF THE REQUIRED FOUR YEARS AFTER TREE PLANTING SHALL BE REPORTED TO THE M-NCPPC, PLANNING DEPARTMENT.

- I. FAILURE TO ESTABLISH THE AFFORESTATION OR REFORESTATION WITHIN THE PRESCRIBED TIME FRAME WILL RESULT IN THE FORFEITURE OF THE REFORESTATION BOND AND/OR A VIOLATION OF THIS TOP2. THE ASSOCIATED \$800 PER SQUARE FOOT PENALTY UNLESS THE COUNTY INSPECTOR APPROVES A WRITTEN EXTENSION.

#### PLANTING SPECIFICATION NOTES

1. QUANTITY: (SEE PLANT SCHEDULE)
2. TYPE: (SEE PLANT SCHEDULE)
3. PLANT QUALITY STANDARDS: THE PLANTS SELECTED SHALL BE HEALTHY AND STURDY REPRESENTATIVES OF THEIR SPECIES. SEEDLINGS SHALL HAVE A MINIMUM TOP GROWTH OF 10". THE DIAMETER OF THE ROOT TO JUST BELOW THE GROUND LEVEL SHALL BE AT LEAST 1/2" FOR SEEDLINGS. THE ROOTS SHALL BE WELL DEVELOPED AND AT LEAST 1/2" LONGER MORE THAN TWENTY-FIVE PERCENT (25%) OF THE ROOT SYSTEM (BOTH PRIMARY AND AUXILIARY) THICKNESS OF THE ROOT SHALL BE PRESERVED. PLANTS THAT DO NOT HAVE AN ABUNDANCE OF WELL DEVELOPED TERMINAL BUDS ON THE LEADERS AND BRANCHES SHALL BE REJECTED. PLANTS SHALL BE SHIPPED BY THE NURSERY IMMEDIATELY AFTER LIFTING FROM THE FIELD OR REMOVAL FROM THE GREENHOUSE, AND PLANTED IMMEDIATELY UPON RECEIPT BY THE LANDSCAPE CONTRACTOR. IF THE PLANTS CANNOT BE PLANTED IMMEDIATELY AFTER DELIVERY TO THE REFORESTATION SITE, THEY SHALL BE STORED IN THE SHADE WITH THEIR ROOT MASSES PROTECTED FROM DIRECT EXPOSURE TO SUN AND BY THE USE OF OTHER MATERIALS THAT WOULD INHIBIT SPROUTING, OR OTHER SUITABLE MATERIAL, AND SHALL BE MAINTAINED THROUGH PERIODIC WATERING, UNTIL THE TIME OF PLANTING.

4. PLANT HANDLING: THE QUANTITY OF SEEDLINGS TAKEN TO THE FIELD SHALL NOT EXCEED THE QUANTITY THAT THE PLANTING DETAIL FOR A DESCRIPTION OF THE GENERAL PLANTING THEORY.

5. TIMING OF PLANTING: THE BEST TIME TO PLANT SEEDLINGS IS WHILE THEY ARE DORMANT, PRIOR TO SPRING SPROUTING. THE MOST SUITABLE MONTHS FOR PLANTING ARE MARCH AND APRIL, WHEN THE SOIL IS MOIST, BUT MAY BE PLANTED FROM MARCH THROUGH NOVEMBER. NO PLANTING SHALL BE DONE WHILE GROUND IS FROZEN. PLANTING SHALL OCCUR WITHIN ONE GROWING SEASON OR THE ISSUANCE OF GRADING /BUILDING PERMITS AND/OR REACHING THE FINAL GRADING AND SURVEILLANCE OF PLANTING AREAS.

6. SEEDLING PLANTING: TREE SEEDLINGS SHALL BE HAND PLANTED USING A DIBBLE BAR OR SHARP-SHOOTER SHOVEL. IT IS IMPORTANT THAT THE SEEDLING BE PLACED IN THE HOLE SUCH THAT THE ROOTS CAN SPREAD OUT NATURALLY. THEY SHOULD NOT BE TWISTED, BALLED UP OR BENT. MOST SOIL SHOULD THEN BE PACKED FIRMLY AROUND THE ROOTS. SEEDLINGS SHOULD BE PLANTED AT A DEPTH WHERE THEIR ROOTS LIE JUST BELOW THE GROUND SURFACE. AIR ROOTS SHOULD NOT BE LEFT AFTER CLOSING THE HOLE WHICH WOULD ALLOW THE ROOTS TO DRY OUT. SEE PLANTING DETAILS FOR FURTHER EXPLANATION. IF THE CONTRACTOR WISHES TO USE ANOTHER METHOD, THE PREPARER OF THIS TREE CONSERVATION PLAN MUST BE CONTACTED AND GIVE HIS APPROVAL BEFORE PLANTING MAY BEGIN.

7. SPACING: SEE PLANT SCHEDULE AND/OR PLANTING PLAN FOR SPACING REQUIREMENTS. ALSO REFER TO THE PLANTING DETAIL FOR A DESCRIPTION OF THE GENERAL PLANTING THEORY.

8. SOIL: UPON THE COMPLETION OF ALL GRADING OPERATIONS, A SOIL TEST SHALL BE CONDUCTED TO DETERMINE WHAT SOIL PREPARATION AND SOIL AMENDMENTS, IF ANY, ARE NECESSARY TO CREATE GOOD TREE GROWING CONDITIONS. SOIL SAMPLES SHALL BE TAKEN AT A RATE THAT PROVIDES ONE SOIL SAMPLE FOR EACH AREA THAT APPEARS TO HAVE A DIFFERENT SOIL TYPE IF THE ENTIRE AREA APPEARS UNIFORM. THEN ONLY ONE SAMPLE IS NECESSARY, AND SUBMITTED FOR TESTING TO A PRIVATE COMPANY. THE COMPANY OF CHOICE SHALL HAVE RECOMMENDATIONS FOR FERTILIZING THE SOIL. THE SOIL WILL BE TESTED AND RECOMMENDED FOR CORRECTIONS OF SOIL TEXTURE, PH, MAGNESIUM, PHOSPHORUS, POTASSIUM, CALCIUM AND ORGANIC MATTER.

9. SOIL IMPROVEMENT MEASURES: THE SOIL SHALL THEN BE IMPROVED ACCORDING TO THE RECOMMENDATIONS MADE BY THE TESTING COMPANY.

10. FENCING AND SIGNAGE: FINAL PROTECTIVE FENCING SHALL BE PLACED ON THE VISIBLE AND/OR DEVELOPMENT SIDE OF PLANTING AREAS. THE FINAL PROTECTIVE FENCE SHALL BE INSTALLED UPON COMPLETION OF PLANTING OPERATIONS UNLESS IT WAS INSTALLED DURING THE INITIAL STAGES OF DEVELOPMENT. SIGNS SHALL BE POSTED PER THE SIGNAGE DETAIL ON THIS SHEET.

11. PLANTING METHOD: CONSULT THE PLANTING DETAILS(S) SHOWN ON THIS PLAN.

12. MULCHING: APPLY TWO-INCH THICK LAYER OF WOODCHIP OR SHREDED HARDWOOD MULCH (AS NOTED) TO EACH PLANTING SITE (SEE DETAIL SHOWN ON THIS PLAN).

13. GROUND COVER ESTABLISHMENT: THE REMAINING DISTURBED AREA BETWEEN SEEDLING PLANTING SITES SHALL BE SEEDED AND STABILIZED WITH WHITE CLOVER SEED AT THE RATE OF 5 LBS/ACRE.

14. MOVING: NO MOVING SHALL BE ALLOWED IN ANY PLANTING AREA.

15. SURVIVAL CHECK FOR BOND RELEASE: THE SEEDLING PLANTING IS TO BE CHECKED AT THE END OF EACH YEAR FOR FOUR YEARS TO ASSURE THAT NO LESS THAN 75% OF THE ORIGINAL PLANTING QUANTITY SURVIVES. IF THE MINIMUM NUMBER HAS NOT BEEN PROVIDED THE AREA MUST BE SUPPLEMENTED WITH ADDITIONAL SEEDLINGS TO REACH THE REQUIRED NUMBER AT THE TIME OF PLANTING.

16. SOURCE OF SEEDLINGS: STATE NAME, ADDRESS, AND PHONE NUMBER OF NURSERY OR SUPPLIER WHEN AREAS DESIGNATED FOR REFORESTATION WILL BE REFORESTED BY NATURAL REGENERATION THE FOLLOWING NOTES SHALL BE ADDED TO THE PLAN.

- NOTE: PER A SITE INVESTIGATION CONDUCTED BY JM FORESTRY SERVICES, LLC ON MAY 5, 2016 TO EVALUATE THE NATURAL REGENERATION PRESENT ON THIS SITE IT WAS DETERMINED THAT THERE ARE NO INVASIVE SPECIES PRESENT.

AFFORESTATION AREA #WRA-A						Acreage	0.11
Botanical Name	Species	Common Name	Caliper	Height	Credits/Unit	Type	Quantity
			1-1.5"	3	B&B	0	0
			1-1.5"	3	B&B	0	0
			1-1.5"	3	B&B	0	0
Platanus occidentalis	Sycamore	Seeding	1	Seeding	25	25	25
Liriodendron tulipifera	Tulip Poplar	Seeding	1	Seeding	15	15	15
Betula nigra	River Birch	Seeding	1	Seeding	25	25	25
Magnolia virginiana	Sweetbay magnolia	Seeding	1	Seeding	25	25	25
Spice Bush	Lindera benzoin	Seeding	1	Seeding	25	25	25
Reforestation Units Provided						113	113
Total Reforestation Units Required						110	110
Excess/Shortage						3	3

AFFORESTATION AREA #WRA-B						Acreage	1.54
Botanical Name	Species	Common Name	Caliper	Height	Credits/Unit	Type	Quantity
Platanus occidentalis	American Sycamore	Seeding	1	Seeding	16	48	48
Liquidambar styraciflua	Sweetgum	Seeding	1	Seeding	10	30	30
Betula nigra	River Birch	Seeding	1	Seeding	12	36	36
Magnolia virginiana	Sweetbay magnolia	Seeding	1	Seeding	18	54	54
Pinus taeda	Loblolly Pine	Seeding	1	Seeding	425	425	425
Platanus occidentalis	American Sycamore	Seeding	1	Seeding	425	425	425
Betula nigra	River Birch	Seeding	1	Seeding	425	425	425
Cercis canadensis	Eastern Redbud	Seeding	1	Seeding	50	50	50
Magnolia virginiana	Sweetbay magnolia	Seeding	1	Seeding	75	75	75
Reforestation Units Provided						1,544	1,544
Total Reforestation Units Required						1,540	1,540
Excess/Shortage						4	4

AFFORESTATION AREA #WRA-D						Acreage	0.38
Botanical Name	Species	Common Name	Caliper	Height	Credits/Unit	Type	Quantity
Platanus occidentalis	American Sycamore	Seeding	1	Seeding	3	9	9
Liquidambar styraciflua	Sweetgum	Seeding	1	Seeding	3	9	9
Betula nigra	River Birch	Seeding	1	Seeding	3	9	9
Magnolia virginiana	Sweetbay magnolia	Seeding	1	Seeding	3	9	9
Pinus taeda	Loblolly Pine	Seeding	1	Seeding	100	100	100
Platanus occidentalis	American Sycamore	Seeding	1	Seeding	100	100	100
Betula nigra	River Birch	Seeding	1	Seeding	75	75	75
Cercis canadensis	Eastern Redbud	Seeding	1	Seeding	50	50	50
Magnolia virginiana	Sweetbay magnolia	Seeding	1	Seeding	75	75	75
Reforestation Units Provided						380	380
Total Reforestation Units Required						380	380
Excess/Shortage						0	0

AFFORESTATION AREA #WRA-E						Acreage	0.11
Botanical Name	Species	Common Name	Caliper	Height	Credits/Unit	Type	Quantity
Platanus occidentalis	American Sycamore	Seeding	1	Seeding	1	3	3
Liquidambar styraciflua	Sweetgum	Seeding	1	Seeding	1	3	3
Betula nigra	River Birch	Seeding	1	Seeding	1	3	3
Magnolia virginiana	Sweetbay magnolia	Seeding	1	Seeding	1	3	3
Pinus taeda	Loblolly Pine	Seeding	1	Seeding	20	20	20
Platanus occidentalis	American Sycamore	Seeding	1	Seeding	20	20	20
Betula nigra	River Birch	Seeding	1	Seeding	20	20	20
Cercis canadensis	Eastern Redbud	Seeding	1	Seeding	20	20	20
Magnolia virginiana	Sweetbay magnolia	Seeding	1	Seeding	20	20	20
Reforestation Units Provided						112	112
Total Reforestation Units Required						110	110
Excess/Shortage						2	2

AFFORESTATION AREA #WRA-F						Acreage	0.06
Botanical Name	Species	Common Name	Caliper	Height	Credits/Unit	Type	Quantity
Platanus occidentalis	American Sycamore	Seeding	1	Seeding	1	3	3
Liquidambar styraciflua	Sweetgum	Seeding	1	Seeding	1	3	3
Betula nigra	River Birch	Seeding	1	Seeding	1	3	3
Magnolia virginiana	Sweetbay magnolia	Seeding	1	Seeding	1	3	3
Pinus taeda	Loblolly Pine	Seeding	1	Seeding	15	15	15
Platanus occidentalis	American Sycamore	Seeding	1	Seeding	15	15	15
Betula nigra	River Birch	Seeding	1	Seeding	15	15	15
Cercis canadensis	Eastern Redbud	Seeding	1	Seeding	15	15	15
Magnolia virginiana	Sweetbay magnolia	Seeding	1	Seeding	15	15	15
Reforestation Units Provided						87	87
Total Reforestation Units Required						88	88
Excess/Shortage						-1	-1



Rockville  
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