

SPRINGDALE ESTATES TYPE II TREE CONSERVATION PLAN



VICINITY MAP
SCALE: 1" = 2000'
ADC MAP 5531
COPYRIGHT ADC THE MAP PEOPLE
PERMITTED USE NUMBER 2071182

SHEET INDEX

- COVER SHEET / PLAN 100 SCALE
- PLAN SHEET / 30 SCALE
- DETAIL SHEETS

SPRINGDALE ESTATES TYPE II TREE CONSERVATION PLAN

PRINCE GEORGE'S COUNTY, MD
13TH ELECTION DISTRICT

TAX MAP 60 GRID F1
200' MAP REFERENCE 24N69

SEAL



PROFESSIONAL CERTIFICATION:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE
PREPARED OR APPROVED BY ME, AND THAT I AM A DULY
REGISTERED LANDSCAPE ARCHITECT UNDER THE LAWS OF
THE STATE OF MARYLAND, LICENSE NO. 3772, EXPIRATION
DATE MAY 13, 2018.

KEY PLAN

SCALE
0' 100' 200'
1" = 100'

No.	DATE	BY	Description

DRAWN BY: LRB
APPROVED BY: RM
CHECKED BY: NB
DATE: OCTOBER 2015

TREE CONSERVATION PLAN - TYPE 2

COVER SHEET

PROJECT NO.: 50060656

1

SHEET NO. 1 OF 4

Woodland Conservation Worksheet for Prince George's County, Maryland						
Zone:	L-A-C					
Gross Tract:	33.42			Include acreages only in columns for which there is a corresponding zone.		
Floodplain:	0.00					
Previously Dedicated Land:	0.00					
Net Tract (NTA):	33.42	0.00	0.00			
Property Description or Subdivision Name: Springdale Estates						
Is this site subject to the 1989 Ordinance?	N					
Break-even Point (preservation acres) =	7.03					
Acres of Net Tract clearing permitted w/o refore	8.06					
Woodland Conservation Requirement Calculations:						
Existing Woodland on Net Tract (acres)	15.09			The SWM Pond at the north end of the site is addressed as a part of the "Residential" portion of this site.		
Existing Woodland in Floodplain (acres)	0.00					
Woodland Conservation Threshold (NTA) =	15.00%					
Smaller of a or c	5.01					
Woodland above WCT	10.08					
Plan Number: (this must be completed for each phase)	TCPIII/31/97	TCPIII/31/97	TCPIII/31/97			
Plan Phase or Name:	Residential	Parcel J	Parcel H			
Total area in this application (acres)	25.84	2.80	4.98			
Floodplain area in this application (acres)	0.00	0.00	0.00			
Net Tract area in this application (acres)	25.84	2.80	4.98			
Woodland on the Net Tract for this phase (acres)	11.43	0.00	3.69			
Woodland in the Floodplain for this phase	0.00	0.00	0.00			
Woodland Cleared on Net Tract for this phase	9.22	0.00	3.48			
Woodland Cleared in Floodplain for this phase	0.00	0.00	0.00			
Off-site Woodland Clearing (1:1)	0.00	0.00	0.00			
Off-site Mitigation provided on this property	0.00	0.00	0.00			
Cumulative acres of Net Tract Woodland cleared	9.22	9.22	12.70			
Cumulative acres of Floodplain woodland cleared	0.00	0.00	0.00			
Smaller of d or e	9.22	9.22	10.08			
Woodland Clearing below WCT	0.00	0.00	2.82			
Replacement for clearing above the WCT (0.25 : 1)	2.31	2.31	2.52			
Replacement for clearing below the WCT (2 : 1)	0.00	0.00	5.25			
Afforestation Threshold (AFT) =	15.00%					
Cumulative Woodland Conservation Required	7.32	7.32	10.16			
Latest phase indicates cumulative requirement through that phase of work						
Woodland Conservation Provided:						
Preservation	2.10		0.18			
Reforestation	2.35		0.38			
Afforestation	1.12					
Area approved for fee-in-lieu	0.64					
Credit for Off-site Mitigation on another property			3.41			
Off-site Mitigation provided on this property						
Total Woodland Conservation Provided	6.21	6.21	10.16			
Woodland saved on this phase but not counted						
Existing Net Tract Woodland in later phases	0.11	0.00	0.00			
Revised 9/1/04	3.68	3.68	0.00			
Prepared by: Ryan McAlister						
License Number:						
PROPERTY OWNERS AWARENESS CERTIFICATE						
I/WE 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 OWNERS REPRESENTATIVE			DATE			
QUALIFIED PROFESSIONAL CERTIFICATION						
THIS PLAN COMPLIES WITH THE CURRENT REQUIREMENTS OF SUBTITLE 25 AND THE WOODLAND AND WILDLIFE CONSERVATION TECHNICAL MANUAL.						
SIGNED: Ryan McAlister			DATE: 5.12.16			
RYAN MCALISTER, PLA			No. 5772			
THIS PLAN IS CONCEPTUAL AND DEPICTS THE GENERAL LAYOUT OF USES PROPOSED. AT TIME OF PRELIMINARY PLAN, THE SIGNED NRI SHALL BE USED TO DELINEATE THE REGULATED AREAS ON ALL PLANS SUBMITTED FOR REVIEW. PROPOSED IMPACTS TO THE REGULATED AREAS WILL BE EVALUATED AS PART OF THE PRELIMINARY PLAN REVIEW PROCESS.						

BUILDING FOOTPRINTS ARE SHOWN FOR ILLUSTRATIVE PURPOSES ONLY.

WOODLAND CLEARED (ACRES)		WOODLAND PRESERVED (ACRES)		WOODLAND REFORESTATION AND AFFORESTATION (ACRES)	
AA	9.22 (PH 1)	A	0.75 (PH 1)	A	0.47 (PH 1)
BB	0.00 (PH 2)	B	0.09 (PH 1)	B	0.01 (PH 1)
CC	3.48 (PH 3)	C	0.06 (PH 1)	C	0.59 (PH 1)
CLEARED AREA = 12.70 AC		D	0.40 (PH 1)	D	0.59 (PH 1)
		E	0.80 (PH 1)	E	0.11 (PH 1)
		F	0.17 (PH 2)	F	0.32 (PH 1)
		PRESERVED AREA = 2.27 AC		G	0.03 (PH 2)
				H	0.14 (PH 1)
				I	0.22 (PH 1)
				J	0.08 (PH 1)
				K	0.25 (PH 1)
				L	0.30 (PH 2)
				M	0.06 (PH 2)
				N	0.03 (PH 2)
				O	0.03 (PH 2)
				P	0.06 (PH 2)
				Q	0.03 (PH 2)
				R	0.03 (PH 2)
				S	0.03 (PH 2)
				T	0.03 (PH 2)
				U	0.03 (PH 2)
				V	0.03 (PH 2)
				W	0.03 (PH 2)
				X	0.03 (PH 2)
				Y	0.03 (PH 2)
				Z	0.03 (PH 2)
				AA	0.03 (PH 2)
				AB	0.03 (PH 2)
				AC	0.03 (PH 2)
				AD	0.03 (PH 2)
				AE	0.03 (PH 2)
				AF	0.03 (PH 2)
				AG	0.03 (PH 2)
				AH	0.03 (PH 2)
				AI	0.03 (PH 2)
				AJ	0.03 (PH 2)
				AK	0.03 (PH 2)
				AL	0.03 (PH 2)
				AM	0.03 (PH 2)
				AN	0.03 (PH 2)
				AO	0.03 (PH 2)
				AP	0.03 (PH 2)
				AQ	0.03 (PH 2)
				AR	0.03 (PH 2)
				AS	0.03 (PH 2)
				AT	0.03 (PH 2)
				AU	0.03 (PH 2)
				AV	0.03 (PH 2)
				AW	0.03 (PH 2)
				AX	0.03 (PH 2)
				AY	0.03 (PH 2)
				AZ	0.03 (PH 2)
				BA	0.03 (PH 2)
				BB	0.03 (PH 2)
				BC	0.03 (PH 2)
				BD	0.03 (PH 2)
				BE	0.03 (PH 2)
				BF	0.03 (PH 2)
				BG	0.03 (PH 2)
				BH	0.03 (PH 2)
				BI	0.03 (PH 2)
				BJ	0.03 (PH 2)
				BK	0.03 (PH 2)
				BL	0.03 (PH 2)
				BM	0.03 (PH 2)
				BN	0.03 (PH 2)
				BO	0.03 (PH 2)
				BP	0.03 (PH 2)
				BQ	0.03 (PH 2)
				BR	0.03 (PH 2)
				BS	0.03 (PH 2)
				BT	0.03 (PH 2)
				BU	0.03 (PH 2)
				BV	0.03 (PH 2)
				BW	0.03 (PH 2)
				BX	0.03 (PH 2)
				BY	0.03 (PH 2)
				BZ	0.03 (PH 2)
				CA	0.03 (PH 2)
				CB	0.03 (PH 2)
				CC	0.03 (PH 2)
				CD	0.03 (PH 2)
				CE	0.03 (PH 2)
				CF	0.03 (PH 2)
				CG	0.03 (PH 2)
				CH	0.03 (PH 2)
				CI	0.03 (PH 2)
				CJ	0.03 (PH 2)
				CK	0.03 (PH 2)
				CL	0.03 (PH 2)
				CM	0.03 (PH 2)
				CN	0.03 (PH 2)
				CO	0.03 (PH 2)
				CP	0.03 (PH 2)
				CQ	0.03 (PH 2)
				CR	0.03 (PH 2)
				CS	0.03 (PH 2)
				CT	0.03 (PH 2)
				CU	0.03 (PH 2)
				CV	0.03 (PH 2)
				CW	0.03 (PH 2)
				CX	0.03 (PH 2)
				CY	0.03 (PH 2)
				CZ	0.03 (PH 2)
				DA	0.03 (PH 2)
				DB	0.03 (PH 2)
				DC	0.03 (PH 2)
				DD	0.03 (PH 2)
				DE	0.03 (PH 2)
				DF	0.03 (PH 2)
				DG	0.03 (PH 2)
				DH	0.03 (PH 2)
				DI	0.03 (PH 2)
				DJ	0.03 (PH 2)

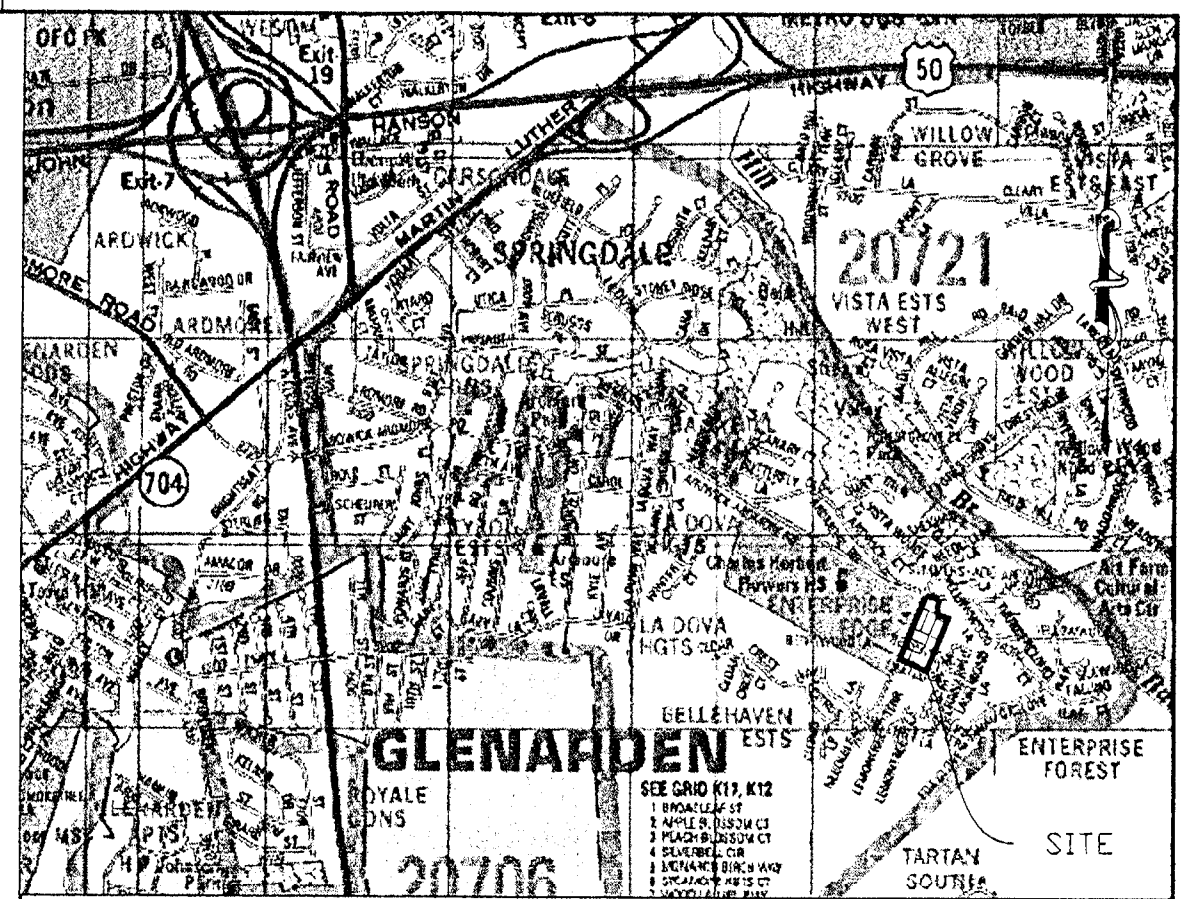
SPRINGDALE ESTATES TYPE II TREE CONSERVATION PLAN

Dewberry

Dewberry
Consultants LLC
Formerly known as
Dewberry & Davis LLC

OWNER/APPLICANT
KLEIN BELLEHAVEN LLC
1777 REISTERSTOWN ROAD, STE. 245
BALTIMORE, MD 21208

CONTACT:
DANIEL KLEIN
410-902-5994



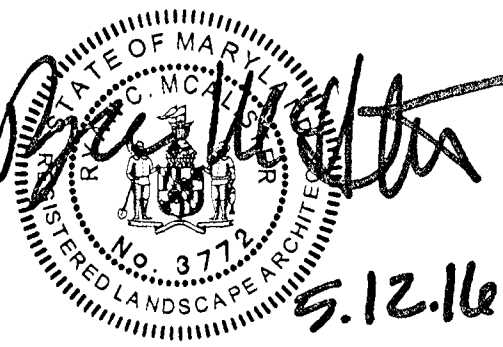
VICINITY MAP
SCALE: 1" = 2000'
ADC MAP 5531
G-1.2
COPYRIGHT ADC THE MAP PEOPLE
PERMITTED USE NUMBER 2871182

SPRINGDALE ESTATES TYPE II TREE CONSERVATION PLAN

PRINCE GEORGE'S COUNTY, MD
13TH ELECTION DISTRICT

TAX MAP 60 GRID F1
2007 MAP REFERENCE 20AN029

SEAL



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I HEREBY CERTIFY THAT THESE DOCUMENTS WERE
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THE STATE OF MARYLAND, LICENSE NO. 3772 EXPIRATION
DATE MAY 03, 2016.

KEY PLAN

SCALE
0' 30' 60'
1"=30'

No. DATE BY Description
REVISIONS

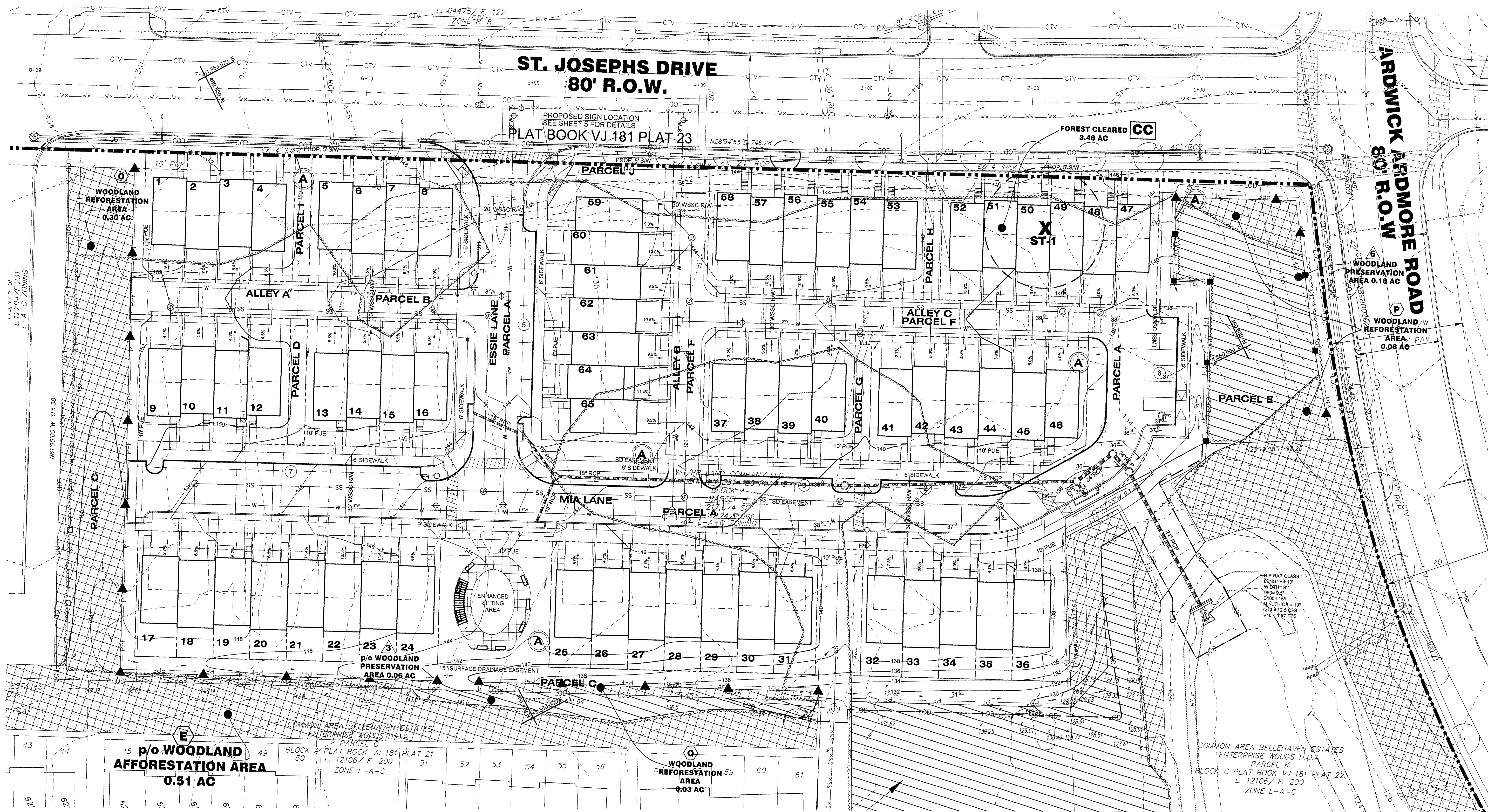
DRAWN BY LRB
APPROVED BY RM
CHECKED BY NB
DATE OCTOBER 2015

TITLE
**TREE
CONSERVATION
PLAN -TYPE 2**

PLAN SHEET
PROJECT NO. 50060556

2

SHEET NO. 2 OF 4



SPECIMEN TREE TABLE

Tree #	Common Name	Latin Name	DBH	Conditioning Rating	Comments	Proposed Disposition
1	Yellow Poplar	<i>Liriodendron tulipifera</i>	36	Good (84)	Trunk Damage, top damage, needs pruning	Remove

SITE STATISTICS

GROSS TRACT AREA	4.98 AC
EXISTING 100-YEAR FLOODPLAIN	0.00 AC
NET TRACT AREA	4.98 AC
EXISTING WOODLAND IN THE FLOODPLAIN	0.00 AC
EXISTING WOODLAND NET TRACT	3.67 AC
EXISTING PMA	0.00 AC
REGULATED STREAMS (LINEAR FEET OF CENTERLINE)	0.0 LF

QUALIFIED PROFESSIONAL CERTIFICATION
THIS PLAN COMPLIES WITH THE CURRENT REQUIREMENTS OF SUBTITLE 25 AND
THE WOODLAND AND WILDLIFE CONSERVATION TECHNICAL MANUAL.

SIGNED: *[Signature]* DATE: 5.12.16
RYAN MCALISTER, RLA

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PROPOSED. AT TIME OF PRELIMINARY PLAN, THE SIGNED NRI SHALL BE USED
TO DELINEATE THE REGULATED AREAS ON ALL PLANS SUBMITTED FOR REVIEW.
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OF THE PRELIMINARY PLAN REVIEW PROCESS.

PROPERTY OWNERS AWARENESS CERTIFICATE

I/WE _____ 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 OWNERS REPRESENTATIVE _____ DATE _____

Approved by	Date	DRD#
00 J. STASZ	4/17/97	SDP-9612
01 MEGAN K. REISER	11/13/09	SDP-9612-03
02 <i>[Signature]</i>	9/6/16	SDP-9612-05
03		
04		
05		
06		

THIS BLOCK IS FOR
OFFICIAL USE ONLY
QIR label certifies that this plan
meets conditions of final approval
by the Planning Board, its designee
or the District Council.



PROJECT NAME: SPRINGDALE ESTATES
PROJECT NUMBER: SDP-9612-05

For Conditions of Approval see Site Plan Cover Sheet or Approval Sheet
Revision numbers must be included in the Project Number.

NOTE
FOR LOCATION OF UTILITIES CALL
8-1-1 OR 1-800-257-7777
OR LOG ON TO
www.call811.com
http://www.missutility.net
48 HOURS IN ADVANCE OF ANY WORK
IN THIS VICINITY.
INFORMATION CONCERNING UNDERGROUND
UTILITIES WAS OBTAINED FROM AVAILABLE
RECORDS BUT THE CONTRACTOR MUST
DETERMINE THE EXACT LOCATION AND
ELEVATION OF THE MAINS BY DIGGING TEST PITS
BY HAND AT ALL UTILITY CROSSINGS WELL IN
ADVANCE OF THE START OF EXCAVATION.

STANDARD TYPE II TREE CONSERVATION PLAN NOTES

- THIS PLAN IS SUBMITTED TO FULFILL THE WOODLAND CONSERVATION REQUIREMENTS FOR TCP2-031-97/02. IF TCP2-031-97/02 EXPIRES, THEN THIS TCP2 ALSO EXPIRES AND IS NO LONGER VALID.
- 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 \$9.00 PER SQUARE FOOT MITIGATION FEE.
- 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 CONSTRUCT A PRE-CONSTRUCTION MEETING WHERE IMPLEMENTATION OF WOODLAND CONSERVATION MEASURES SHOWN ON THIS PLAN WILL BE DISCUSSED IN DETAIL.
- 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 TIME OF CONTRACT SIGNING. FUTURE PROPERTY OWNERS ARE ALSO SUBJECT TO THIS REQUIREMENT.
- THE OWNERS OF THE PROPERTY SUBJECT TO THIS TREE CONSERVATION PLAN ARE SOLELY RESPONSIBLE FOR CONFORMANCE TO THE REQUIREMENTS CONTAINED HEREIN.
- THE PROPERTY IS WITHIN THE DEVELOPING TIER AND IS ZONED LA-C.
- THE PROPERTY IS ADJACENT TO ARDVOCK ROAD WHICH IS A DESIGNATED HISTORIC ROADWAY.
- THE SITE IS NOT ADJACENT TO A ROADWAY CLASSIFIED AS ARTERIAL OR GREATER.
- THIS PLAN IS GRANDFATHERED UNDER CB-27-2010, SECTION 25-117(G).

AFFORESTATION AND REFORESTATION NOTES:

- 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.
- THE PLANTING OF AFFORESTATION OR REFORESTATION AREAS SHALL BE COMPLETED PRIOR TO THE ISSUANCE OF THE FIRST BUILDING PERMIT. (THIS STANDARD NOTE MAY BE MODIFIED AS NECESSARY TO ADDRESS WHICH BUILDING PERMITS ARE ADJACENT TO THE PROPOSED PLANTING AREA.) SEEDLING PLANTING IS TO OCCUR FROM NOVEMBER THROUGH MAY ONLY. NO PLANTING SHALL BE DONE WHILE THE GROUND IS FROZEN. PLANTING WITH LARGER CALIPER STOCK OR CONTAINERIZED STOCK MAY BE DONE AT ANY TIME PROVIDED A DETAILED MAINTENANCE SCHEDULE IS PROVIDED.
- 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 THEN 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 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 COUNTY INSPECTOR.
- REFORESTATION AREAS SHALL NOT BE MOWED. THE MANAGEMENT OF COMPETING VEGETATION AROUND INDIVIDUAL TREES AND THE REMOVAL OF NOXIOUS, INVASIVE AND NON-NATIVE VEGETATION WITHIN THE REFORESTATION AREAS IS ACCEPTABLE.
- 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 THE CLEARING AND GRADING OF THE SITE. FAILURE TO INSTALL AND MAINTAIN TEMPORARY OR PERMANENT TREE PROTECTIVE FENCING IS A VIOLATION OF THIS TCP2.
- THE 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.
- THE COUNTY INSPECTOR SHALL BE NOTIFIED PRIOR TO SOIL PREPARATION OR INITIATION OF ANY TREE PLANTING ON THIS SITE.
- AT TIME OF ISSUANCE OF THE FIRST PERMIT, THE FOLLOWING INFORMATION SHALL BE SUBMITTED TO THE M-NCPPC PLANNING DEPARTMENT REGARDING THE CONTRACTOR RESPONSIBLE FOR IMPLEMENTATION OF THIS PLAN: CONTRACTOR NAME, BUSINESS NAME (IF DIFFERENT), ADDRESS, AND PHONE NUMBER.
- RESULT OF ANNUAL SURVIVAL CHECK FOR EACH OF THE REQUIRED FOUR YEARS AFTER TREE PLANTING SHALL BE REPORTED TO THE M-NCPPC, PLANNING DEPARTMENT.
- 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 PLAN INCLUDING THE ASSOCIATED \$5.00 PER SQUARE FOOT PENALTY UNLESS THE COUNTY INSPECTOR APPROVES A WRITTEN EXTENSION.

PLANTING SPECIFICATION NOTES

- QUANTITY: (SEE PLANT SCHEDULE)
- TYPE: (SEE PLANT SCHEDULE)
- PLANT QUALITY STANDARDS: THE PLANTS SELECTED SHALL BE HEALTHY AND STURDY REPRESENTATIVE OF THEIR SPECIES. SEEDLINGS SHALL HAVE A MINIMUM TOP GROWTH OF 18". THE DIAMETER OF THE ROOT COLLAR (THE PART OF THE ROOT JUST BELOW GROUND LEVEL) SHALL BE AT LEAST 3/8". THE ROOTS SHALL BE WELL DEVELOPED AND AT LEAST 8" LONG, NO MORE THAN TWENTY-FIVE PERCENT (25%) OF THE ROOT SYSTEM (BOTH PRIMARY AND AUXILIARY/FIBROUS ROOTS) SHALL BE PRESENT. 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 GREEN HOUSE, 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 WIND BY THE USE OF STRAW, PEAT MOSS, COMPOST, OR OTHER SUITABLE MATERIAL AND SHALL BE MAINTAINED THROUGH PERIODIC WATERING, UNTIL THE TIME OF PLANTING.
- PLANT HANDLING: THE QUANTITY OF SEEDLINGS TAKEN TO THE FIELD SHALL NOT EXCEED THE QUANTITY THAT CAN BE PLANTED IN A DAY. SEEDLINGS, ONCE REMOVED FROM THE NURSERY OR TEMPORARY STORAGE AREA SHALL BE PLANTED IMMEDIATELY.
- TIMING OF PLANTING: THE BEST TIME TO PLANT SEEDLINGS IS WHILE THEY ARE DORMANT, PRIOR TO SPRING BUDDING. THE MOST SUITABLE MONTHS FOR PLANTING ARE MARCH AND APRIL, WHEN THE SOILS IS MOIST, BUT MAY BE PLANTED FROM MARCH THROUGH NOVEMBER. NO PLANTING SHALL BE DONE WHILE THE GROUND IS FROZEN. PLANTING SHALL OCCUR WITHIN ONE GROWING SEASON OF THE ISSUANCE OF GRADING/BUILDING PERMITS AND/OR GRADING AND STABILIZATION OF PLANTING AREAS.
- 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 SO THAT THE ROOTS CAN SPREAD OUT NATURALLY; THEY SHALL NOT BE TWISTED, BALLED UP OR BENT. MOIST 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 POCKETS 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 PLANT BY ANOTHER METHOD, THE PREPARER OF THIS TREE CONSERVATION PLAN MUST BE CONTACTED AND GIVE HIS APPROVAL BEFORE PLANTING MAY BEGIN.
- SPACING: SEE PLANT SCHEDULE AND/OR PLANTING PLAN FOR SPACING REQUIREMENTS. ALSO REFER TO THE PLANTING LAYOUT DETAIL FOR A DESCRIPTION OF THE GENERAL PLANTING THEORY.
- 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 ON SOIL SAMPLE FOR EACH AREA THAT APPEARS TO HAVE A DIFFERENT SOIL TYPE (IF THE ENTIRE AREA APPEARS UNIFORM, THEN ONLY ON SAMPLE IS NECESSARY), AND SUBMITTED FOR TESTING TO A PRIVATE COMPANY. THE COMPANY OF CHOICE SHALL MAKE RECOMMENDATIONS FOR IMPROVING THE EXISTING SOIL. THE SOIL WILL BE TESTED AND RECOMMENDED FOR CORRECTIONS OF SOIL TEXTURE, PH, MAGNESIUM, PHOSPHORUS, POTASSIUM, CALCIUM AND ORGANIC MATTER.
- SOIL IMPROVEMENT MEASURES: THE SOIL SHALL THEN BE IMPROVED ACCORDING TO THE RECOMMENDATIONS MADE BY THE TESTING COMPANY.
- 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.
- PLANTING METHOD: CONSULT THE PLANTING DETAIL(S) SHOWN ON THIS PLAN.
- MULCHING: APPLY TWO-INCH THICK LAYER OF WOODCHIP OR SHREDED HARDWOOD MULCH (AS NOTED) TO EACH PLANTING SITE (SEE DETAIL SHOWN ON THIS PLAN).
- 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.
- MOWING: NO MOWING SHALL BE ALLOWED IN ANY PLANTING AREA.
- 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 PLANTED QUANTITY SURVIVES. IF THE MINIMUM NUMBER HAS NOT BEEN PROVIDED THE AREA MUST BE SUPPLEMENTED WITH ADDITIONAL SEEDLINGS TO REACH THE REQUIRED NUMBER AT TIME OF PLANTING.
- SOURCE OF SEEDLINGS:
 -

AFFORESTATION / REFORESTATION AREA PHASE 2 SECTION "O"							Acreage	0.30
Species	Planting Stock	Reforestation						
Botanical Name	Common Name	Size	Credits/Unit	Type	Quantity	Credits		
SEE NOTE #3	Shade Tree	2.5" - 3" Caliper	5	B&B	14	70		
	Ornamental	1.5" - 1.75" Caliper	3	B&B	14	42		
	Evergreen	6'-8" HT (1.5" Caliper)	3	B&B	14	42		
Acer rubrum	Red Maple	Seedling: 6'-18" HT	1	Bare Root	50	50		
Liriodendron tulipifera	Yellow Poplar	Seedling: 6'-18" HT	1	Bare Root	50	50		
Liquidambar styraciflua	Sweetgum	Seedling: 6'-18" HT	1	Bare Root	50	50		
						Reforestation Units Provided	304	
						Total Reforestation Units Required	300	
						Excess	4	

AFFORESTATION / REFORESTATION AREA PHASE 2 SECTION "P"							Acreage	0.08
Species	Planting Stock	Reforestation						
Botanical Name	Common Name	Size	Credits/Unit	Type	Quantity	Credits		
SEE NOTE #3	Shade Tree	2.5" - 3" Caliper	5	B&B	4	20		
	Ornamental	1.5" - 1.75" Caliper	3	B&B	0	0		
	Evergreen	6'-8" HT (1.5" Caliper)	3	B&B	3	9		
Quercus Phellos	Willow Oak	Seedling: 6'-18" HT	1	Bare Root	15	15		
Robinia pseudoacacia	Black Locust	Seedling: 6'-18" HT	1	Bare Root	20	20		
						Reforestation Units Provided	64	
						Total Reforestation Units Required	60	
						Excess	4	

AFFORESTATION / REFORESTATION AREA PHASE 2 SECTION "O"							Acreage	0.03
Species	Planting Stock	Reforestation						
Botanical Name	Common Name	Size	Credits/Unit	Type	Quantity	Credits		
SEE NOTE #3	Shade Tree	2.5" - 3" Caliper	5	B&B	6	30		
	Evergreen	6'-8" HT (1.5" Caliper)	3	B&B	3	9		
	Ornamental	1.5" - 1.75" Caliper	3	B&B	3	15		
						Reforestation Units Provided	54	
						Total Reforestation Units Required	30	
						Excess	24	

- NOTES:
- 1,000 seedlings required per acre of afforestation / reforestation.
 - Use bare root whips to fulfill planting requirements.
 - "Shade Tree, Evergreen Tree and Ornamental Tree" are proposed as part of the landscape plan; refer to Landscape plan for details regarding installation and plant species

NOTE
FOR LOCATION OF UTILITIES CALL
8-1-1 OR 1-800-257-7777
OR LOG ON TO
www.call811.com
http://www.mississillity.net
48 HOURS IN ADVANCE OF ANY WORK
IN THIS VICINITY
INFORMATION CONCERNING UNDERGROUND
UTILITIES WAS OBTAINED FROM AVAILABLE
RECORDS BUT THE CONTRACTOR MUST
DETERMINE THE EXACT LOCATION AND
ELEVATION OF THE MAINS BY DIGGING TEST PITS
BY HAND AT ALL UTILITY CROSSINGS WELL IN
ADVANCE OF THE START OF EXCAVATION.

TREE PRESERVATION AND RETENTION NOTES

- ALL WOODLANDS DESIGNATED ON THIS PLAN FOR PRESERVATION ARE THE RESPONSIBILITY OF THE PROPERTY OWNER. THE WOODLAND AREAS SHALL REMAIN IN A NATURAL STATE. THIS INCLUDES THE CANOPY TREES AND UNDERSTORY VEGETATION. A REVISED TREE CONSERVATION PLAN IS REQUIRED PRIOR TO CLEARING WOODLAND AREAS THAT ARE NOT SPECIFICALLY IDENTIFIED TO BE CLEARED ON THE APPROVED TCP2.
- TREE AND WOODLAND CONSERVATION METHODS SUCH AS ROOT PRUNING SHALL BE CONDUCTED AS NOTED ON THIS PLAN.
- THE LOCATION OF ALL TEMPORARY TREE PROTECTION FENCING (TPFS) SHOWN ON THIS PLAN SHALL BE FLAGGED OR STAKED IN THE FIELD PRIOR TO THE PRE-CONSTRUCTION MEETING. UPON APPROVAL OF THE LOCATIONS BY THE COUNTY INSPECTOR, INSTALLATION OF THE TPFS MAY BEGIN.
- 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 BOND IS RELEASED FOR THE PROJECT. FAILURE TO INSTALL AND MAINTAIN TEMPORARY OR PERMANENT TREE PROTECTIVE DEVICES IS A VIOLATION OF THIS TCP2.
- WOODLAND PRESERVATION AREAS SHALL BE POSTED WITH SIGNAGE AS SHOWN ON THE PLANS AT THE SAME TIME AS THE TEMPORARY TCP INSTALLATION. THESE SIGNS MUST REMAIN IN PERPETUITY.

REMOVAL OF HAZARDOUS TREES OR LIMBS BY DEVELOPERS OR BUILDERS

- 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.
- 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 TREES HAS A POTENTIAL TO FALL AND STRIKE A STRUCTURE, PARKING AREA, OR OTHER HIGH USE AREA AND RESULT IN PERSONAL INJURY OR PROPERTY DAMAGE.
- DURING THE INITIAL STAGES OF CLEARING AND GRADING, IF HAZARDOUS TREES ARE PRESENT, OR TREES ARE PRESENT THAT ARE NOT HAZARDOUS BUT ARE LEANING INTO THE DISTURBED AREA, THE PERMITEE SHALL REMOVE SAID TREES USING A CHAIN SAW. CORRECTIVE MEASURES REQUIRING THE REMOVAL OF THE HAZARDOUS TREE OR PORTIONS THEREOF SHALL REQUIRE AUTHORIZATION BY THE COUNTY INSPECTOR. ONLY AFTER APPROVAL BY THE INSPECTOR MAY THE TREE BE CUT BY CHAINSAW TO NEAR THE EXISTING GROUND LEVEL. THE STUMP SHALL NOT BE REMOVED OR COVERED WITH SOIL, MULCH OR OTHER MATERIALS THAT WOULD INHIBIT SPROUTING.
- 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 PERMITEE, PRIOR TO REMOVAL, A CERTIFIED ARBORIST OR A 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 PERMITEE 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.

IF CORRECTIVE PRUNING MAY ALLEVIATE A HAZARDOUS CONDITION, THE CERTIFIED ARBORIST OR A LICENSED TREE EXPERT MAY PROCEED WITHOUT FURTHER AUTHORIZATION. THE PRUNING MUST BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE APPROPRIATE ANSI A-309 PRUNING STANDARDS. THE CONDITION OF THE AREA SHALL BE FULLY DOCUMENTED THROUGH PHOTOGRAPHS PRIOR TO CORRECTIVE ACTION BEING TAKEN. THE PHOTOGRAPHS SHALL BE SUBMITTED TO THE INSPECTOR FOR DOCUMENTATION OF THE DAMAGE.

DEBRIS FROM THE TREE REMOVAL OR PRUNING THAT OCCURS WITHIN 35 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 38 FEET FROM THE WOODLAND EDGE SHALL BE CUT UP TO ALLOW CONTACT WITH THE GROUND, THUS ENCOURAGING DECOMPOSITION. THE SMALLER MATERIALS SHALL BE PLACED INTO BRUSH PILES THAT WILL SERVE AS WILDLIFE HABITAT.

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 TCP2. THE WORK IS REQUIRED TO BE CONDUCTED BY A LICENSED TREE EXPERT.

- DEBRIS PILES SHOWN IN WOODLAND PRESERVATION AREAS SHALL BE REMOVED BY HAND WITHOUT THE USE OF MECHANICAL EQUIPMENT WITHIN THE PRESERVATION AREA. CHAINS MAY BE USED TO PULL DEBRIS OUT OF THE PRESERVATION AREAS. CAUTION MUST BE USED NOT TO DAMAGE REMAINING VEGETATION.

POST DEVELOPMENT NOTES

WHEN WOODLANDS AND SPECIMEN HISTORIC OR CHAMPION TREES ARE TO REMAIN:

- 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'S 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 PORTION THEREOF ARE IN IMMINENT DANGER OF STRIKING A STRUCTURE, PARKING AREA, OR OTHER HIGH USE AREAS AND MAY RESULT IN PERSONAL INJURY OR PROPERTY DAMAGE THEN THE CERTIFICATION IS NOT REQUIRED AND THE PERMITEE 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 TCP2. THE WORK IS REQUIRED TO BE CONDUCTED BY A LICENSED TREE EXPERT.
- THE REMOVAL OF NOXIOUS, INVASIVE, AND NON-NATIVE PLANT SPECIES FROM ANY WOODLAND PRESERVATION AREA SHALL BE DONE WITH THE USE OF HAND-HELD EQUIPMENT ONLY (PRUNERS OR A CHAIN SAW). THESE PLANT MAY BE CUT NEAR THE GROUND AND MATERIAL LESS THAN TWO INCHES DIAMETER MAY BE REMOVED FROM THE AREA AND DISPOSED OF APPROPRIATELY. ALL MATERIAL FROM THESE NOXIOUS, INVASIVE, AND NON-NATIVE PLANTS GREATER THAN TWO (2) INCHES DIAMETER SHALL BE CUT TO ALLOW CONTACT WITH THE GROUND, THUS ENCOURAGING DECOMPOSITION.
- THE USE OF BROADCAST SPRAYING OF HERBICIDES IS NOT PERMITTED. HOWEVER, THE USE OF HERBICIDES TO DISCOURAGE RE-SPROUTING OF INVASIVE, NOXIOUS, OR NON-NATIVE PLANTS IS PERMITTED IF DONE AS AN APPLICATION OF THE CHEMICAL DIRECTLY TO THE CUT STUMP IMMEDIATELY FOLLOWING CUTTING OF PLANT TOPS. THE USE OF ANY HERBICIDE SHALL BE DONE IN ACCORDANCE WITH THE LABEL INSTRUCTIONS.
- 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

- REFORESTATION FENCING AND SIGNAGE SHALL REMAIN IN PLACE IN ACCORDANCE WITH THE APPROVED TYPE 2 TREE CONSERVATION PLAN.
- REFORESTATION AREAS SHALL NOT BE MOWED; HOWEVER, THE MANAGEMENT OF COMPETING VEGETATION AND REMOVAL OF NOXIOUS, INVASIVE, AND NON-NATIVE VEGETATION AROUND INDIVIDUAL TREES IS ACCEPTABLE.

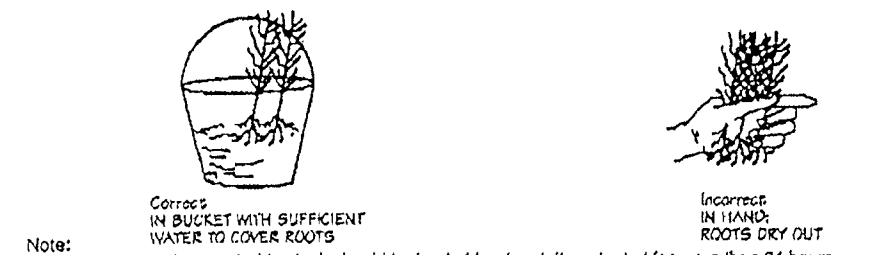
FOUR-YEAR MANAGEMENT PLAN FOR RE/AFFORESTATION AREAS

FIELD CHECK THE RE-AFFORESTATION AREA ACCORDING TO THE FOLLOWING SCHEDULE:

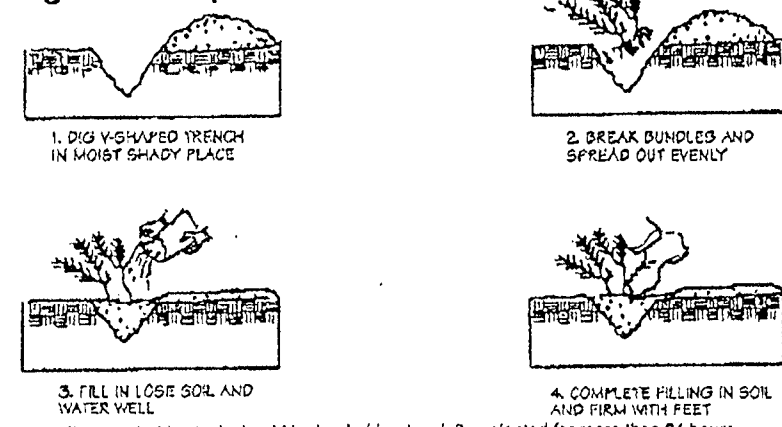
- YEAR 1: SITE PREPARATION AND TREE PLANTING
SURVIVAL CHECK ONCE ANNUALLY (SEPTEMBER-NOVEMBER) SEE NOTE 1
WATERING IS NEEDED (2 X MONTH)
CONTROL OF UNDESIRABLE VEGETATION AS NEEDED (1 X IN JUNE AND 1 X IN SEPTEMBER MIN)
- YEAR 2-3: REINFORCEMENT PLANTING IS NEEDED (SEE NOTE 2)
SURVIVAL CHECK ONCE ANNUALLY (SEPTEMBER-NOVEMBER)
CONTROL OF UNDESIRABLE VEGETATION IF NEEDED (1 X IN MAY AND 1 X IN AUGUST MIN)
- YEAR 4: REINFORCEMENT PLANTING IF NEEDED. (SEE NOTE 2)
SURVIVAL CHECK (SEPTEMBER-NOVEMBER)

1. SURVIVAL CHECK: CHECK PLANTED STOCK AGAINST PLANT LIST (OR AS-BUILT) BY WALKING THE SITE AND TAKING INVENTORY. PLANTS MUST SHOW VITALITY. SUBMIT FIELD DATA FORMS (CONDITION CHECK SHEETS) TO OWNER AFTER EACH INSPECTION. REMOVE ALL DEAD PLANTS.
2. REINFORCEMENT PLANTING: REPLACE DEAD OR MISSING PLANTS IN SUFFICIENT QUANTITY TO BRING THE TOTAL NUMBER OF LIVE PLANTS TO AT LEAST 75% OF THE NUMBER ORIGINALLY PLANTED. IF A PARTICULAR SPECIES SUFFERS UNUSUALLY HIGH MORTALITY, REPLACE WITH AN ALTERNATIVE PLANT TYPE.
3. MISCELLANEOUS: FERTILIZATION OR WATERING DURING YEARS 1 THROUGH 3 WILL BE DONE ON AN AS NEEDED BASIS. SPECIAL RETURN OPERATIONS OR RECOMMENDATIONS WILL BE CONDUCTED ON AN AS NEEDED BASIS.
4. SITE CONFORMANCE TO THE INVASIVE SPECIES MANAGEMENT PLAN SHALL BE INCLUDED IN EACH ANNUAL SITE EVALUATION.

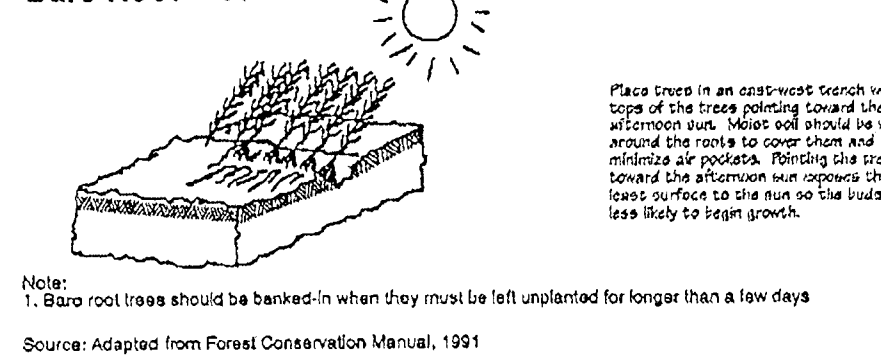
Handling Seedlings In the Field



Seedlings and Whips



Bare Root Trees



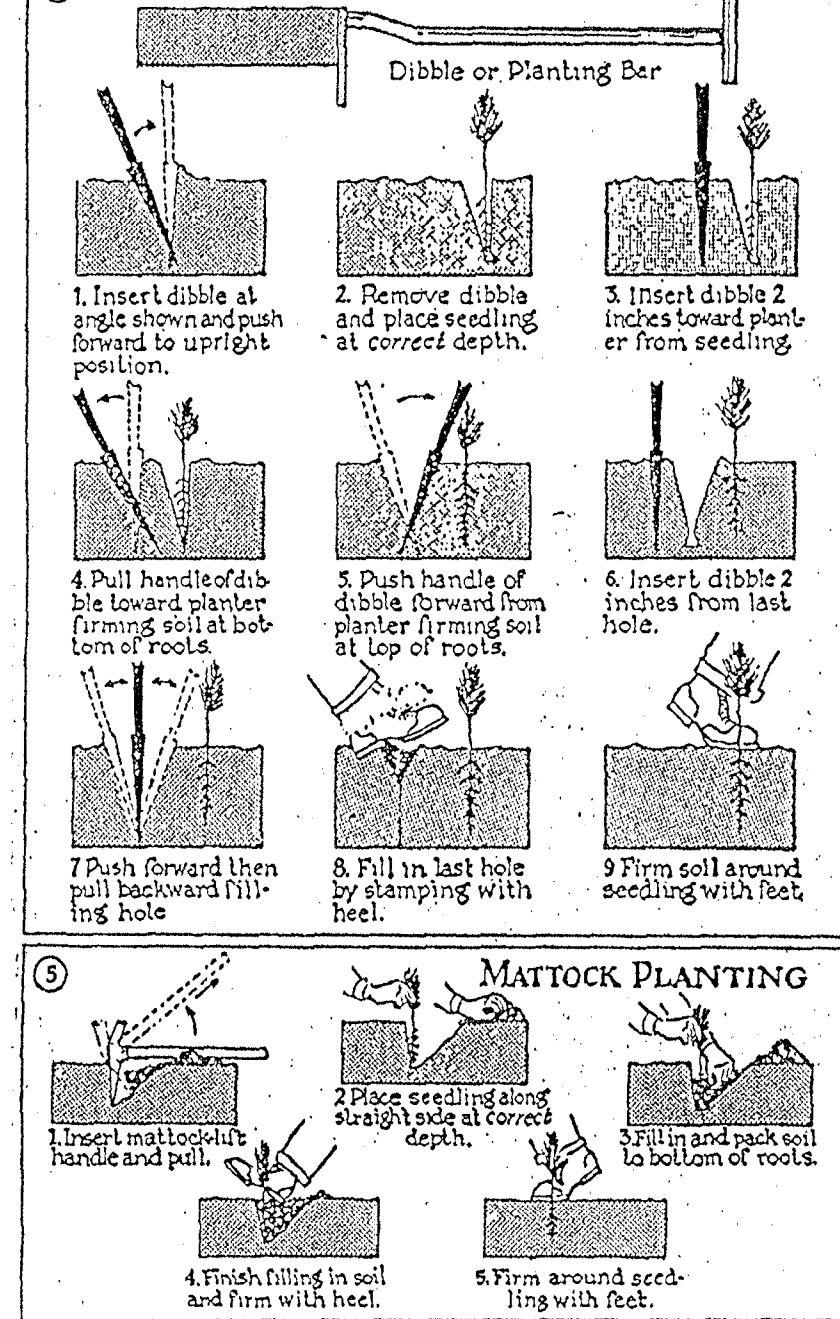
Handling Bare Root Stock

August 2010 4 A 0118

HANDLING BARE ROOT STOCK

SCALE: NTS

DIBBLE PLANTING



- NOTES:
- SOURCE: ADAPTED FROM FOREST CONSERVATION MANUAL, 1991.
 - MULCHING NEWLY PLANTED SEEDLINGS HELPS THE SOIL RETAIN MOISTURE AND PROTECTS THE SEEDLING FROM COMPACTION AND STEM INJURIES.

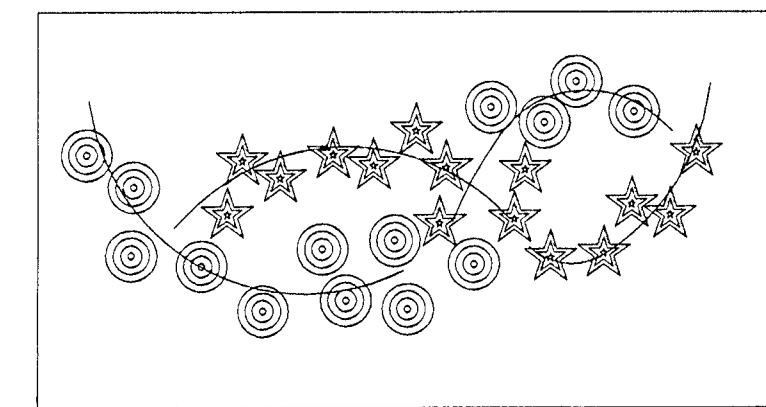
SEEDLING PLANTING TECHNIQUES (MANUAL)

SCALE: NTS

PLANTING DISTRIBUTION PATTERNS

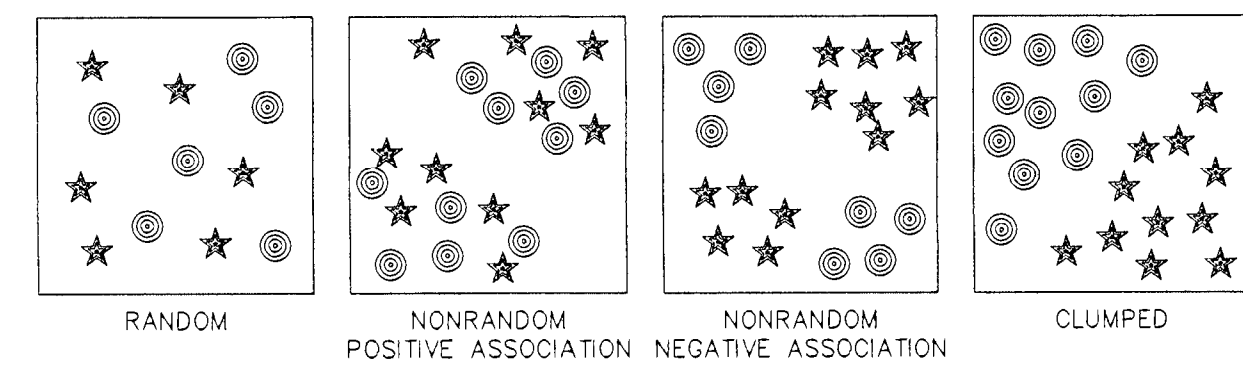
AFFORESTATION + REFORESTATION AREAS

AGGREGATE DISTRIBUTION DRIFT



NOTE:
PLANT CLUSTER TYPE GROUPINGS THAT TAPER OUT ALONG EDGES. CLUSTERS SHOULD APPEAR AS ELONGATED OR TEAR-DROP SHAPES.

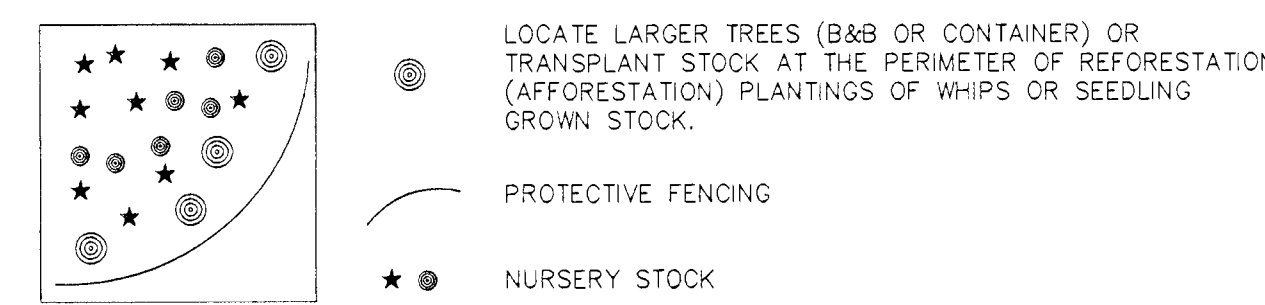
TYPICAL FOREST TREE DISTRIBUTION PATTERNS



◎ SPECIES 1 ☆ SPECIES 2

NOTE:
NATURALLY OCCURRING POPULATIONS OF TREES TEND TO BE FOUND IN INFORMAL GROUPINGS. A CLUSTER OF TREES IS REALLY A MOSAIC OF DIFFERENT SPECIES GROUPS. THE OBJECTIVE OF AN AFFORESTATION / REFORESTATION PLAN IS TO SELECT THE APPROPRIATE SPECIES AND DISTRIBUTION PATTERN FOR A CHOSEN SITE THAT MIMICS NATURAL SUCCESSION.

MIXING TRANSPLANT STOCK



PLANTING DISTRIBUTION PATTERNS

SCALE: NTS

Dewberry

Dewberry
Consultants LLC
Formerly known as
Dewberry & Davis LLC

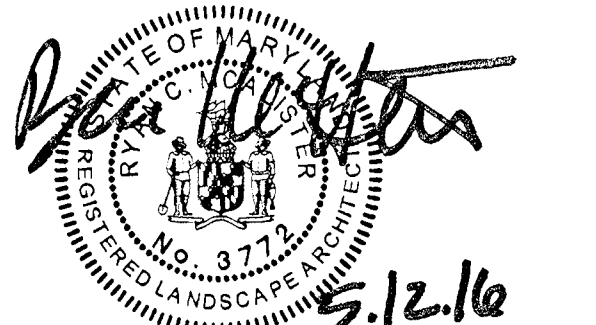
10003 DEREKWOOD LANE
SUITE 200
LANHAM, MD 20706
301.751.5555
301.751.0188 (FAX)
www.dewberry.com

OWNER/APPLICANT
KLEIN BELLEHAVEN LLC
1777 REISTERSTOWN ROAD, STE. 245
BALTIMORE, MD 21208

CONTACT:
DANIEL KLEIN
410-902-5994

SPRINGDALE ESTATES
TYPE II TREE CONSERVATION PLAN
PRINCE GEORGE'S COUNTY, MD
13TH ELECTION DISTRICT
TAX MAP 80 GRID F1
2007 MAP REFERENCE 30A069

SEAL

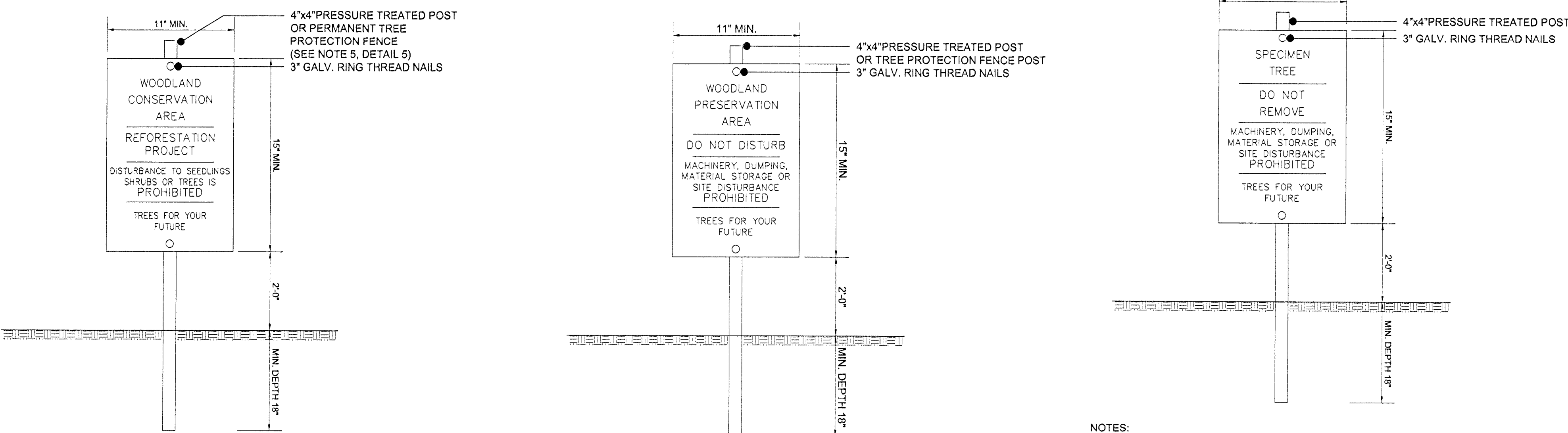


PROFESSIONAL CERTIFICATION:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE
PREPARED OR APPROVED BY ME, AND THAT I AM A DULY
REGISTERED LANDSCAPE ARCHITECT UNDER THE LAWS OF
THE STATE OF MARYLAND, LICENSE NO. 3272, EXPIRATION
DATE MAY 15, 2018.

KEY PLAN

SCALE

No.	DATE	BY	Description

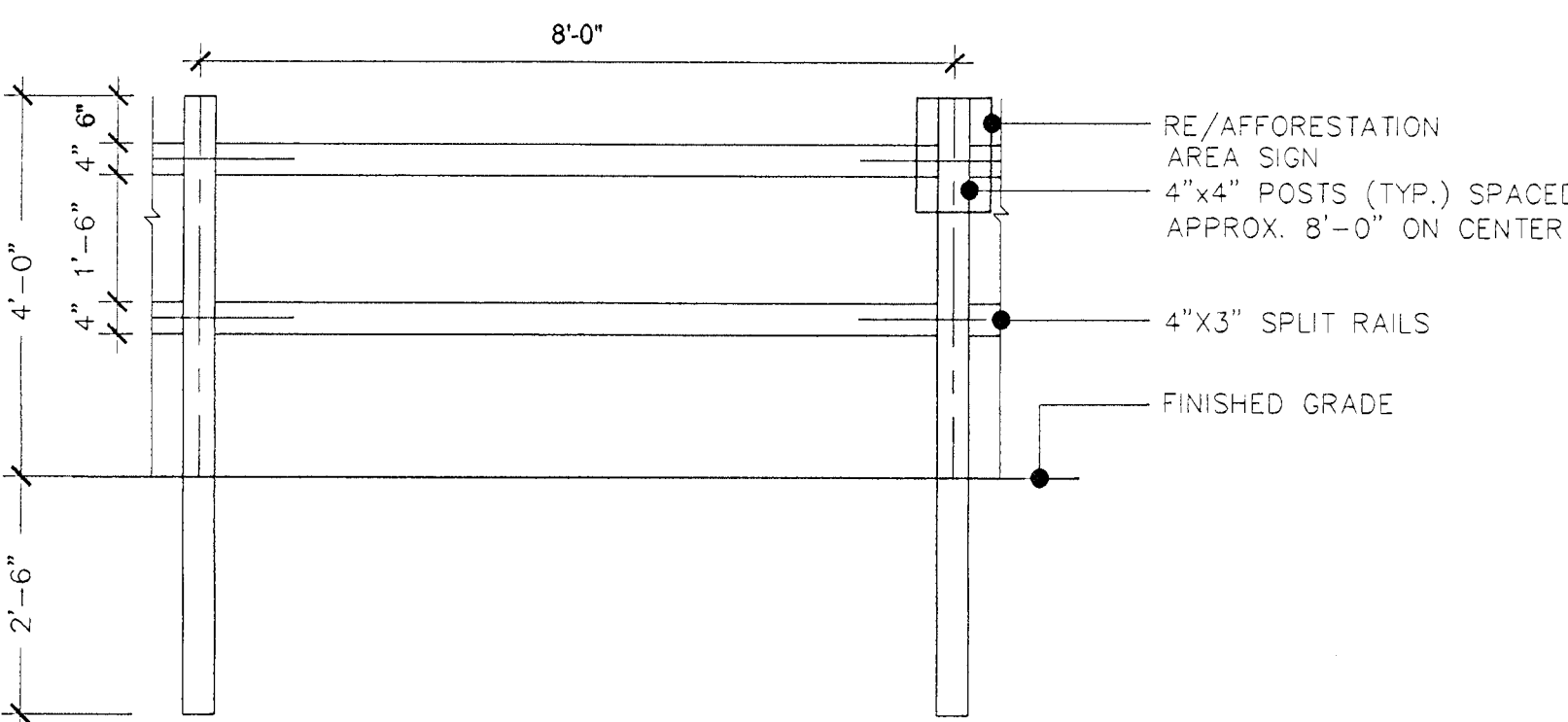


NOTES:
1. ATTACHMENT OF SIGNS TO TREES IS PROHIBITED.
2. SIGNS SHOULD BE PROPERLY MAINTAINED.
3. AVOID INJURY TO ROOTS WHEN PLACING POSTS FOR THE SIGNS.
4. SIGNS SHOULD BE POSTED TO BE VISIBLE TO ALL CONSTRUCTION PERSONNEL FROM ALL DIRECTIONS.
5. SIGNS SHOULD BE INSTALLED AT SAME TIME AS TREE PROTECTION DEVICE.
6. LOCATE SIGNS APPROXIMATELY EVERY 50' ALONG FENCING.
7. SIGNS SHOULD BE IN PLACE IMMEDIATELY FOLLOWING STAKE OUT OF L.O.D., AND REMAIN IN PLACE IN PERPETUITY.

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6. LOCATE SIGNS APPROXIMATELY EVERY 50' ALONG FENCING.
7. SIGNS SHOULD BE IN PLACE IMMEDIATELY FOLLOWING STAKE OUT OF L.O.D., AND REMAIN IN PLACE IN PERPETUITY.
8. WHEN THE SPECIMEN TREE SIGN IS LOCATED WITHIN 10' OF EITHER A PRESERVATION OR REFORESTATION SIGN, THE TWO SIGNS MAY BE POSTED ON A SINGLE POST.

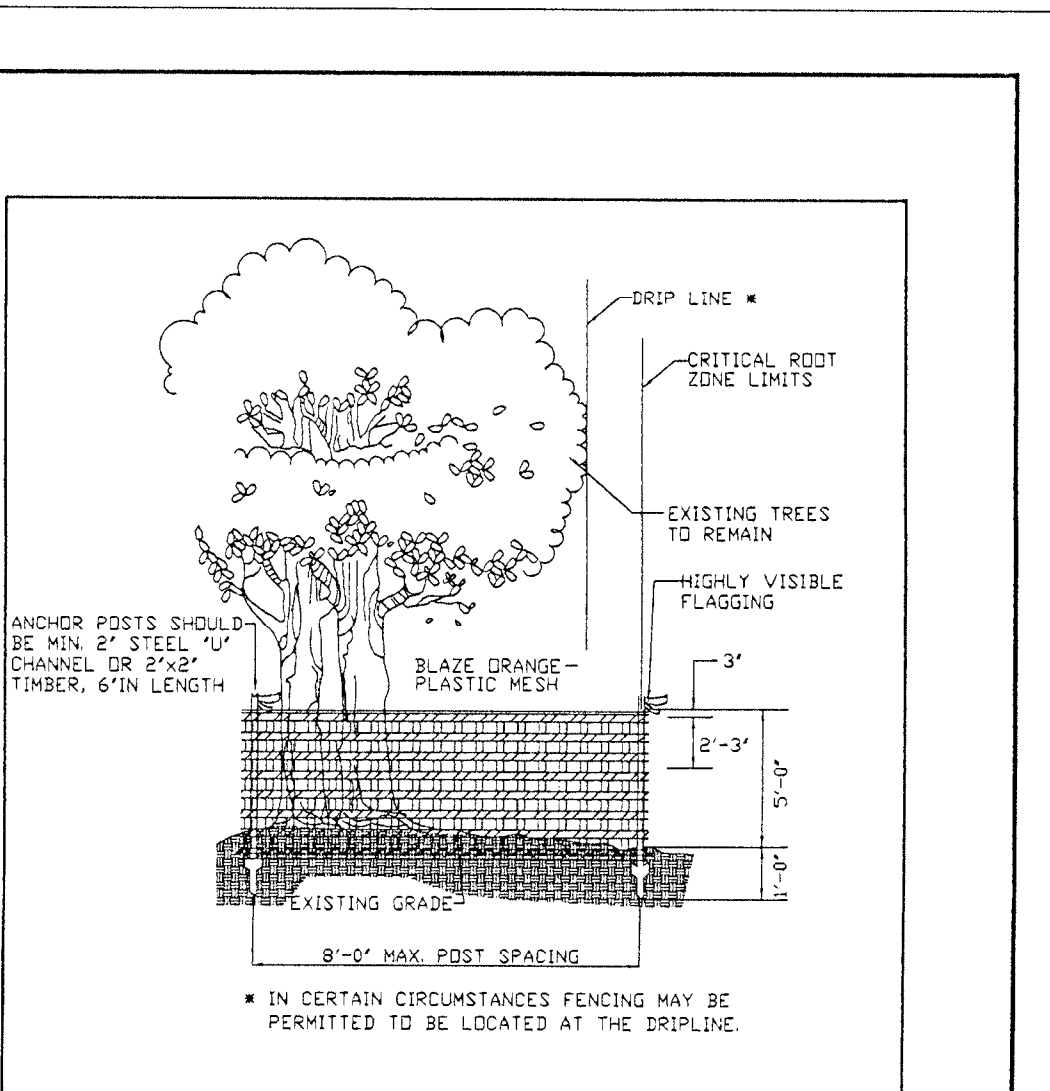
1 REFORESTATION AREA SIGN
SCALE: NTS



NOTES:
1. POSTS SHALL STAND PLUMB.
2. RAILS SHALL BE HUNG WITH UNIFORM HEIGHT AND SPACING.
3. REFORESTATION SIGNS TO BE ATTACHED TO WOOD POSTS EVERY 50 FEET.
4. TOP OF SIGN TO BE FLUSH WITH TOP OF WOOD POST.
5. SIGNS TO BE ATTACHED USING 2 GALVANIZED WOOD SCREWS EACH WITH A GALVANIZED WASHER.

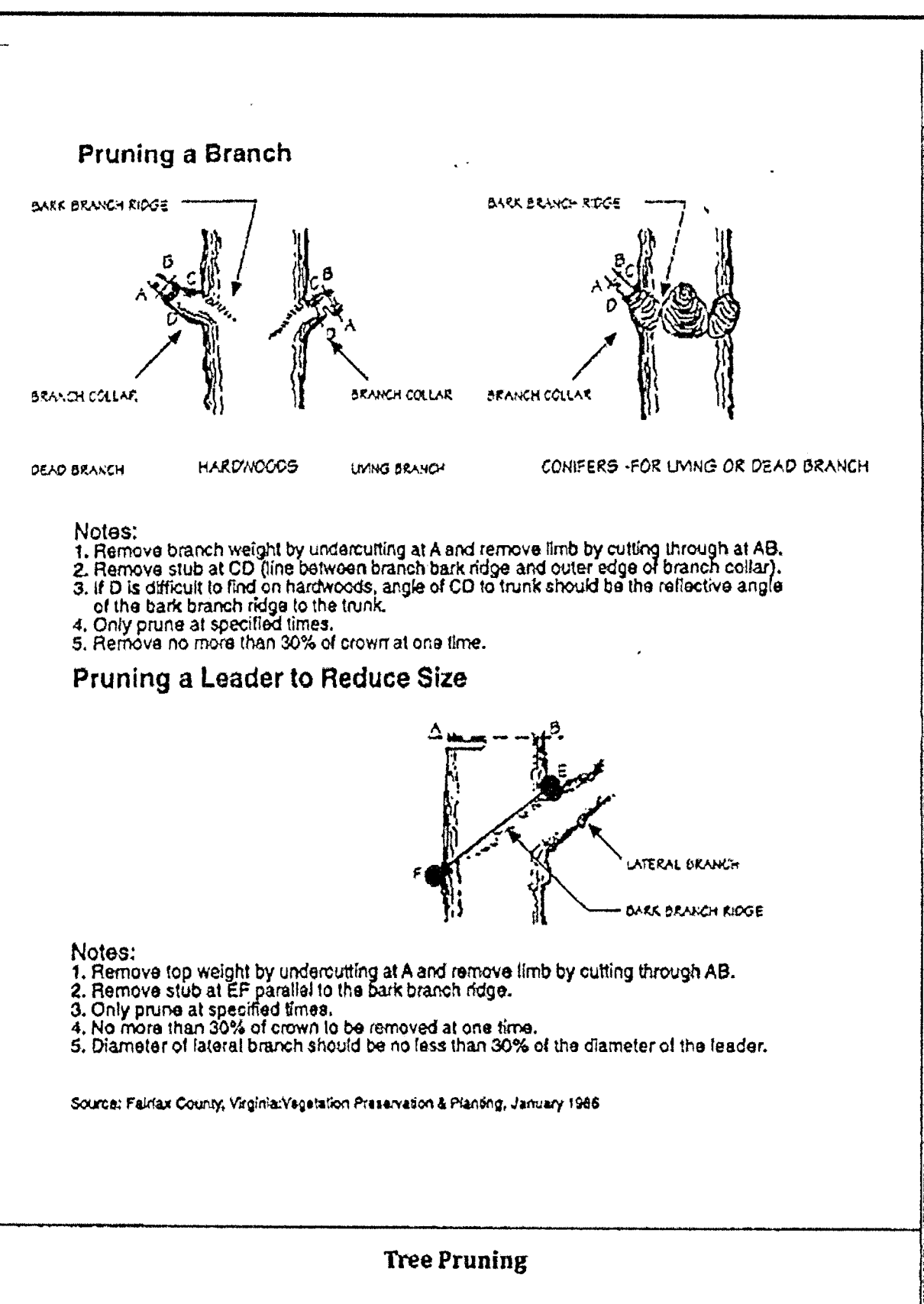
2 WOODLAND PRESERVATION AREA SIGN
SCALE: NTS

3 SPECIMEN TREE SIGN
SCALE: NTS



NOTES (MUST BE INCLUDED WITH DETAIL):
1. FOREST PROTECTION DEVICE ONLY.
2. RETENTION AREA WILL BE SET AS PART OF THE REVIEW PROCESS.
3. BOUNDARIES OF RETENTION AREA SHOULD BE STAKED AND FLAGGED PRIOR TO INSTALLING DEVICES.
4. AVOID ROOT DAMAGE WHEN PLACING ANCHOR POSTS.
5. DEVICE SHOULD BE PROPERLY MAINTAINED DURING CONSTRUCTION.
6. PROTECTIVE SIGNAGE IS ALSO REQUIRED.

6 TEMPORARY TREE PROTECTION FENCE
SCALE: NTS



Pruning a Branch

Notes:
1. Remove branch weight by undercutting at A and remove limb by cutting through at AB.
2. Remove stub at CD (line between branch bark ridge and outer edge of branch collar).
3. If D is difficult to find on hardwoods, angle of CD to trunk should be the reflective angle of the bark branch ridge to the trunk.
4. Only prune at specified times.
5. Remove no more than 30% of crown at one time.

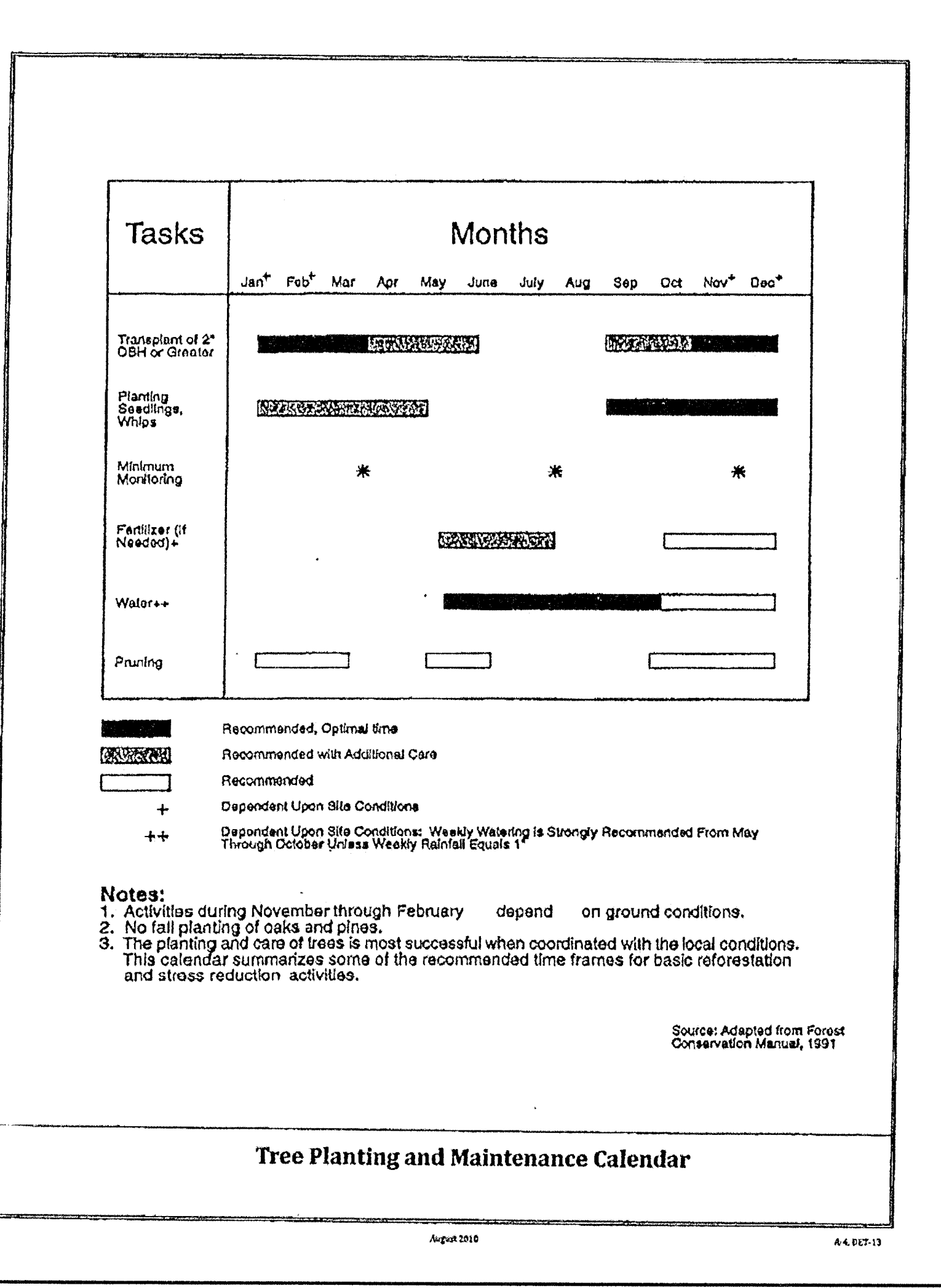
Pruning a Leader to Reduce Size

Notes:
1. Remove top weight by undercutting at A and remove limb by cutting through AB.
2. Remove stub at EF (parallel to the bark branch ridge).
3. Only prune at specified times.
4. No more than 30% of crown to be removed at one time.
5. Diameter of lateral branch should be no less than 30% of the diameter of the leader.

Source: Fairfax County, Virginia Vegetation Preservation & Planting, January 1986

Tree Pruning

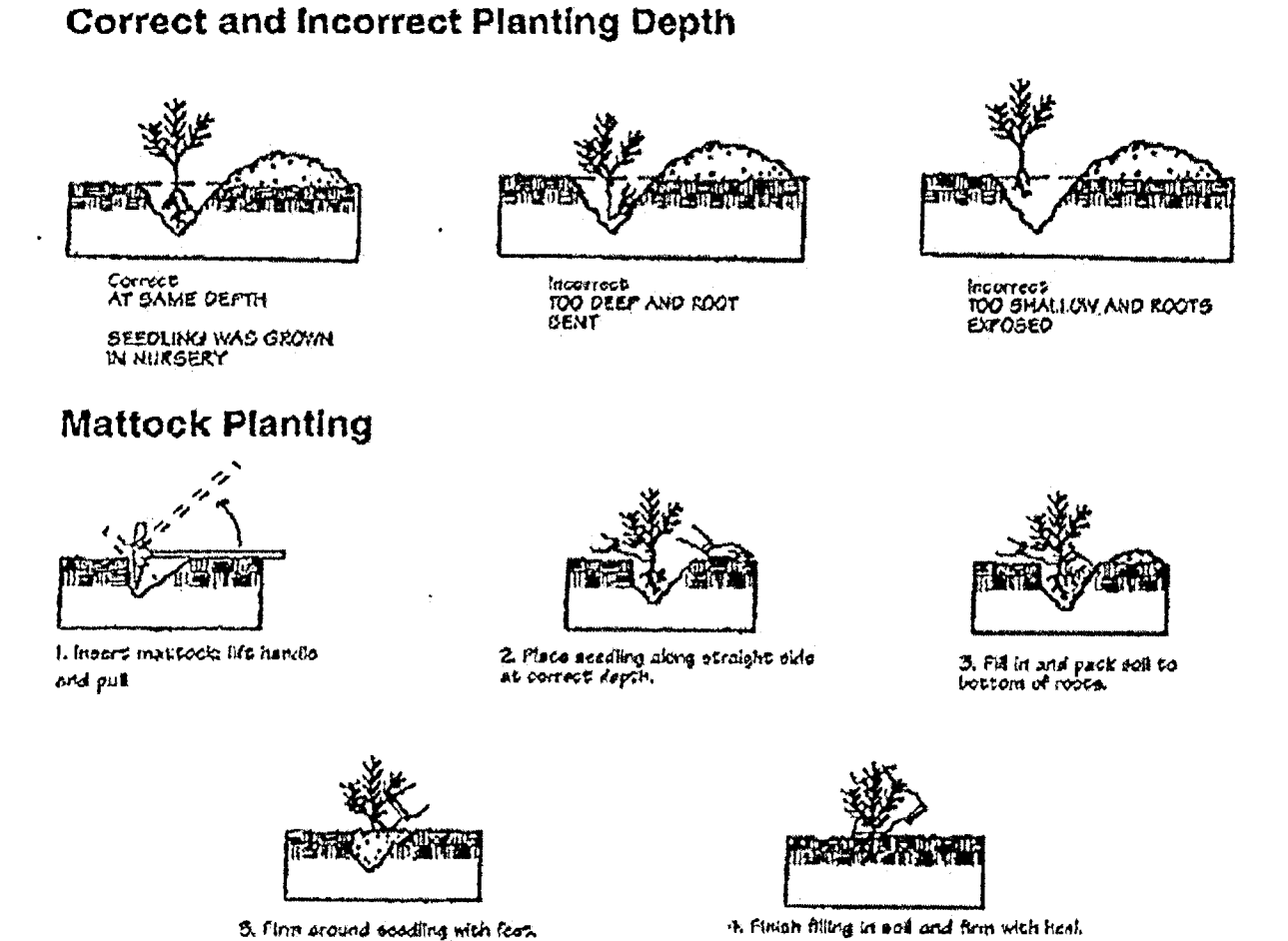
8 TREE PRUNING
SCALE: NTS



4 TREE PLANTING AND MAINTENANCE CALENDAR
SCALE: NTS

Seedling and Whip Planting

Note:
1. Mulching newly planted seedlings helps the soil retain moisture and protects the seedling from compaction and stem injuries.



Source: Adapted from Forest Conservation Manual, 1991

Seedling and Whip Planting Techniques

9 SEEDLING AND WHIP PLANTING TECHNIQUES
SCALE: NTS

PROPERTY OWNERS AWARENESS CERTIFICATE

I/WE _____ 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.

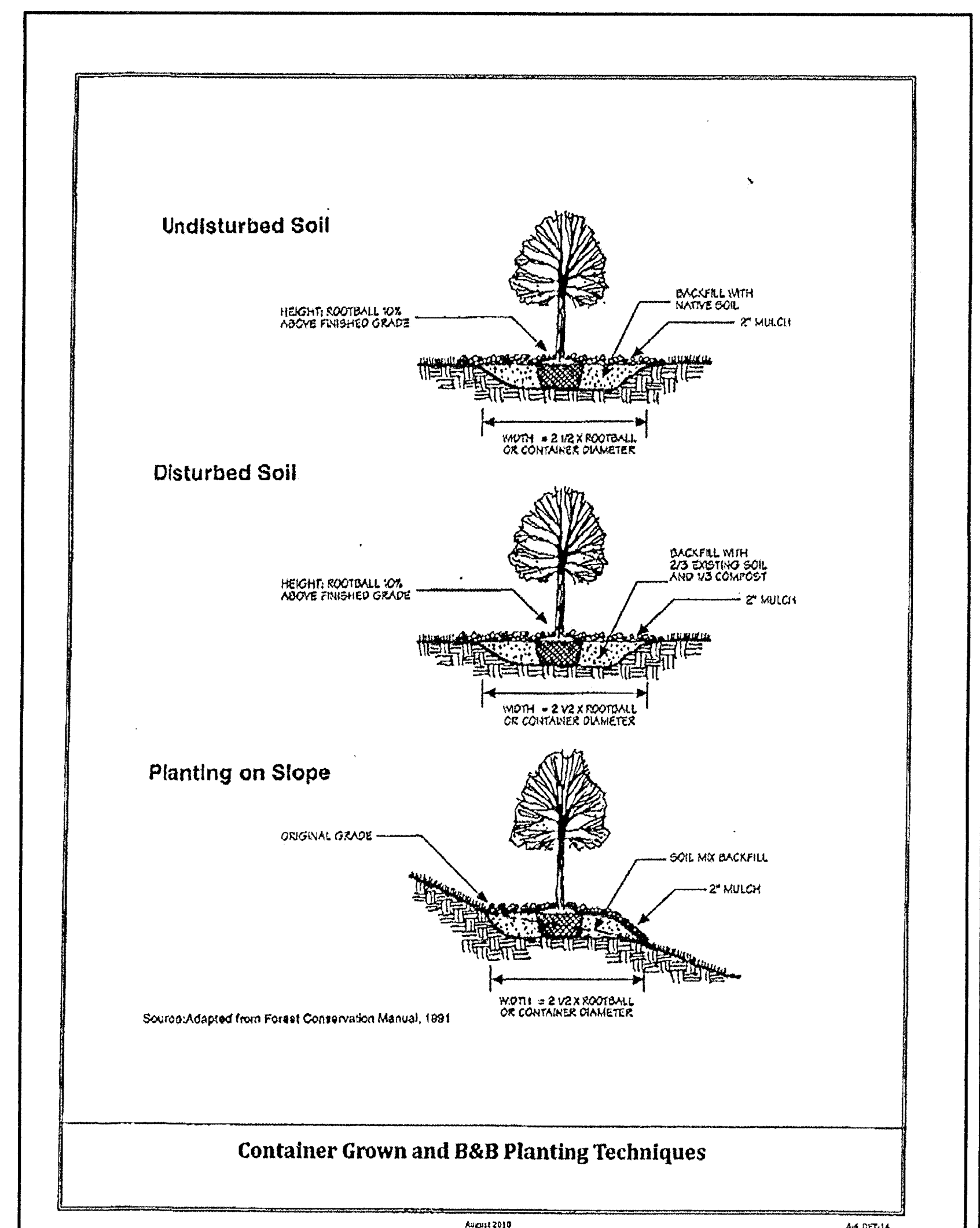
OWNER OR OWNERS REPRESENTATIVE _____ DATE _____

Prince George's County Planning Department, MNCPPC Environmental Planning Section TREE CONSERVATION PLAN APPROVAL TCP2-031-97				THIS BLOCK IS FOR OFFICIAL USE ONLY QR label certifies that this plan meets conditions of final approval by the Planning Board, its designee or the District Council.	
Approved by	Date	DRD#		APPROVAL	
00 J. STASZ	4/17/97	SDP-9612			
01 MEGAN K. REISER	11/13/09	SDP-9612-03		PROJECT NAME: SPRINGDALE ESTATES	
02 [Signature]	9/16/16	SDP-9612-05			
03				PROJECT NUMBER: SDP-9612-05	
04					
05				For Conditions of Approval see Site Plan Cover Sheet or Approval Sheet Revision numbers must be included in the Project Number	
06					



NOTE
FOR LOCATION OF UTILITIES CALL 8-1-1 OR 1-800-257-7777 OR LOG ON TO www.call811.com
http://www.missutility.net
48 HOURS IN ADVANCE OF ANY WORK IN THIS VICINITY
INFORMATION CONCERNING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS BUT THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION AND ELEVATION OF THE MAINS BY DIGGING TEST PITS BY HAND AT ALL UTILITY CROSSINGS WELL IN ADVANCE OF THE START OF EXCAVATION.

7 CONTAINER GROWN AND B&B PLANTING TECHNIQUES
SCALE: NTS



Source: Adapted from Forest Conservation Manual, 1991