

VICINITY MAP  
SCALE: 1" = 2000'  
A.D.C. STREET MAP: 31, C-4 & 5  
W.S.S.C. GRID: 214 SE 3 & 215 SE 3  
TAX MAP: 124, B-4  
6.3 MILES TO ALLENTOWN RD CO. 32 FIRE DEPT.  
3.7 MILES TO MD NATL CAPITAL PARK AND  
PLANNING COMMISSION POLICE

LEGEND

- LIMITS OF DISTURBANCE  
EX 02' CONTOUR  
EX 10' CONTOUR  
EX TREELINE  
EX. WATER  
EX. SEWER  
EX STREAM  
EX WETLAND
- CONSERVATION ESMT.  
25' WETLAND BUFFER  
60' STREAM BUFFER  
15% TO 25% SLOPES IN  
HIGHLY ERODIBLE SLOPES  
25% SLOPES
- TREE PRESERVATION  
TREE SAVE NOT COUNTED  
AFFORESTATION  
LANDSCAPE BUFFER PLANTINGS  
(not counted as WC)  
SPLIT RAIL FENCE  
TPD - Tree Protection Device  
TREE PROTECTION SIGN  
SPECIMEN TREE

Woodland Conservation Worksheet  
for  
Prince George's County

Zone:	R-E		
Gross Tract:	28.88		
Floodplain:	0.00		
CBCA:	0.00		
Previously Dedicated Land:	0.00		
Net Tract (NTA):	28.88	0.00	0.00

Property Description or Subdivision Name:  
Is this site subject to the 1989 Ordinance?  
Reforestation Requirement Reduction Questions  
Is this one (1) single family lot? (y,n)  
Are there prior TCP approvals which include a  
combination of this lot and/or other lots. (y,n)  
Is this a Mitigation Bank  
Break-even Point (preservation) =  
Clearing permitted w/o reforestation =

	N		
	Y		
	N		
	7.22	acres	
	-0.87	acres	

Preliminary Plan 4-04116 approved on 1/8/2005;  
TCP/V66/04 approved on 3/30/2005;  
Limited DSP-05077 approved on 9/6/2006;  
TCP/V144/05 approved on 9/25/2006;  
Minor Preliminary Plan 4-08013 for Outlot A approved for 3 lots  
12/18/2008;  
TCP/V66/04-01 approved 12/18/2008;  
The current submittal is for the previously approved 20 lots and  
the 3 new lots TCP2-144-05-01

Woodland Conservation Calculations:

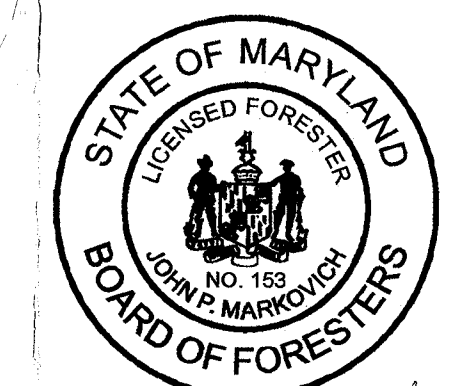
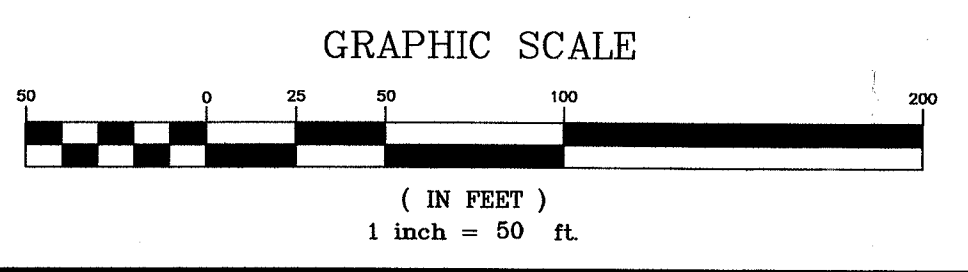
	Net Tract (acres)	Floodplain Impacts (acres)	Off-site (acres)
Existing Woodland	6.35	0.00	
Woodland Conservation Threshold (NTA) =	25.00%	7.22	
Smaller of a or b	6.35		
Woodland above WCT	0.00		
Woodland cleared	2.69	0.00	0.49
Smaller of d or e	0.00		
Clearing above WCT (0.25 : 1) replacement requirement	0.00		
Clearing below WCT (2:1 replacement requirement)	2.69		
Afforestation Threshold (AFT) =	20.00%	0.00	
Off-site Mitigation being provided on this property	0.00		
Woodland Conservation Required	9.53		

Woodland Conservation Provided:

	(acres)	
Woodland Preservation	3.18	
Afforestation / Reforestation	4.32	
Area approved for fee-in-lieu	0.00	\$0.00
Credits for Off-site Mitigation on another property	2.03	
Off-site Mitigation Afforestation provided on this property	0.00	
Off-site Mitigation Preservation provided on this property	0.00	
Total Woodland Conservation Provided	9.53	

Area of woodland not cleared 3.66 acres  
Woodland retained not part of requirements: 0.48 acres

"MISS UTILITY"  
FOR LOCATION OF UTILITIES CALL  
1-800-257-7777 48 HOURS IN ADVANCE  
OF ANY WORK IN THIS VICINITY.



John P. Markovich  
12/8/10

OWNER / APPLICANT:  
K & P BUILDERS  
18627 ANNAPOLIS ROAD  
BOWIE, MD 20720  
301-262-7227

QUALIFIED PROFESSIONAL CERTIFICATION  
This plan complies with the current requirements of Subtitle 25 and  
the Woodland and Wildlife Conservation Technical Manual  
John P. Markovich  
Licensed Forester #153  
J.M. Forestry Services, LLC  
11552 Timberbrook Drive  
Waldorf, Maryland 20601  
(301) 645-4977  
jmarkovich@comcast.net

M-NCPPC  
Prince George's County Planning Department  
Environmental Planning Section  
APPROVAL  
Type 2 Tree Conservation Plan  
TCP2-144-05

Approved by	Date
J.L. Stasz	9-25-06
P. Vance	1-28-11

01	
02	
03	
04	
05	

ENGINEERS  
LAND PLANNERS  
LAND SURVEYORS

PRINCE GEORGE'S COUNTY, MARYLAND

14603 MAIN STREET - UPPER MARLBORO, MD, 20772  
(301) 827-3100 (301) 827-3100 (301) 827-3100

REVISIONS

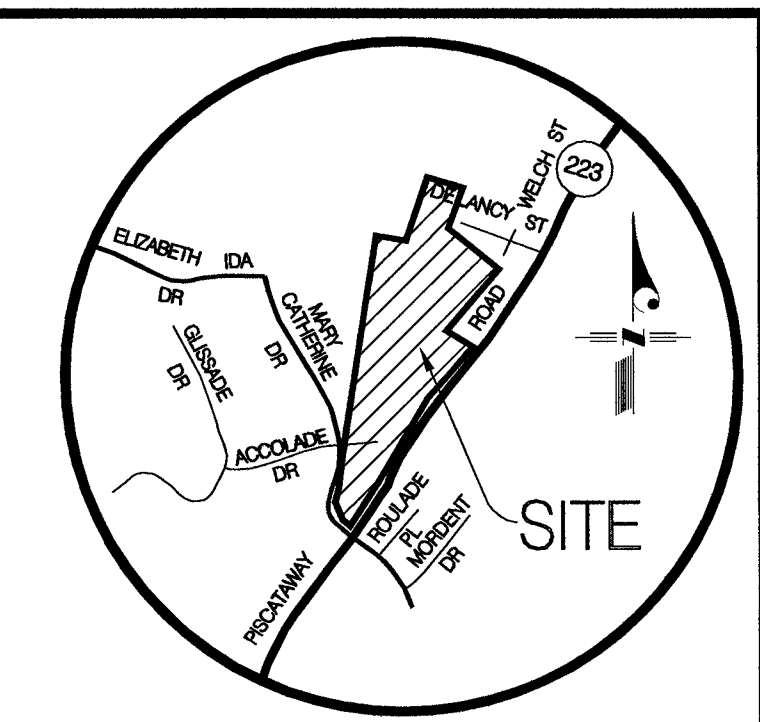
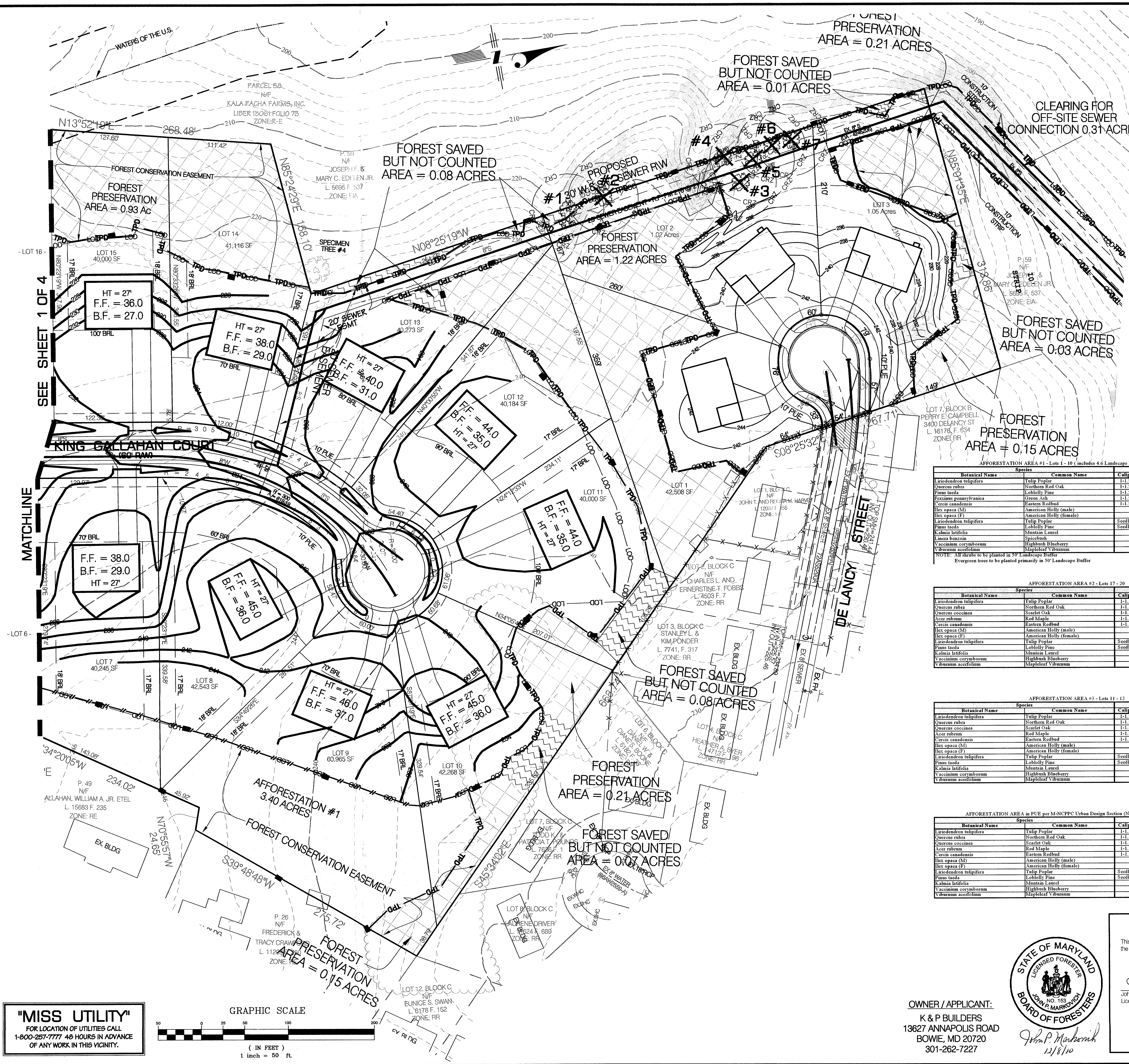
NO.	DATE	DESCRIPTION

JOB NO. W-603  
SCALE 1" = 50'  
DRAWN BY MARTIN  
CHECKED BY CSD  
DATE November, 2010

TYPE 2 TREE CONSERVATION PLAN  
LOTS 1 - 6, 16 - 20 & PARCEL "B"  
KING GALLAHAN SUBDIVISION  
PISCATAWAY (5th) ELECTION DISTRICT  
PRINCE GEORGE'S COUNTY, MARYLAND

SHEET 1 of 3





VICINITY MAP  
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W.S.S.C. GRID: 214 SE 3 & 215 SE 3  
TAX MAP: 124, B-4  
6.3 MILES TO ALLENTOWN RD CO. 32 FIRE DEPT.  
3.7 MILES TO MD NATL CAPITAL PARK AND  
PLANNING COMMISSION POLICE

SPECIMEN TREE TABLE

I.D. #	SPECIES	DBH (in)	CONDITION	COMMENTS	DISPOSITION
1	Red Oak (Quercus falcata)	39	Fair	V-fork	Remove
2	Yellow Poplar (Liquidambar tulipifera)	38	Poor	Decay, hollow	Remove
3	Yellow Poplar (Liquidambar tulipifera)	39	Fair	Branching	Remove
4	Yellow Poplar (Liquidambar tulipifera)	37	Fair	Branching	Remove
5	Yellow Poplar (Liquidambar tulipifera)	46	Fair	V-fork, branching	Remove
6	Beech (Fagus grandifolia)	37	Fair	Decay	Remove
7	Yellow Poplar (Liquidambar tulipifera)	39	Fair	Branching	Remove

\*\*Specimen trees on this site are being removed in accordance with TCP/66/04 as approved on 2/18/2009.

LEGEND

- LIMITS OF DISTURBANCE  
EX 02' CONTOUR  
EX 10' CONTOUR  
EX TREELINE  
EX WATER  
EX SEWER  
EX STREAM  
EX WETLAND  
CONSERVATION ESMT.  
25' WETLAND BUFFER  
50' STREAM BUFFER  
15% TO 25% SLOPES IN  
HIGHLY ERODIBLE SLOPES  
25% SLOPES  
TREE PRESERVATION  
TREE SAVE NOT COUNTED  
AFFORESTATION  
LANDSCAPE BUFFER PLANTINGS  
(not counted as VC)  
SPLIT RAIL FENCE  
TPD - Tree Protection Device  
TREE PROTECTION SIGN  
SPECIMEN TREE

AFFORESTATION AREA #1 - Lots 1 - 10 (includes 4.6 Landscape Buffer requirements)

Botanical Name	Species	Common Name	Caliper	Height	Credits/Unit	Type	Quantity	Reforestation Credits
Liriodendron tulipifera	Tulip Poplar	Tulip Poplar	1-1.5"	3	B&B	3	100	300
Quercus rubra	Northern Red Oak	Northern Red Oak	1-1.5"	3	B&B	3	100	300
Pinus taeda	Loblolly Pine	Loblolly Pine	1-1.5"	3	B&B	3	200	600
Fraxinus pennsylvanica	Green Ash	Green Ash	1-1.5"	3	B&B	3	45	135
Cercis canadensis	Eastern Redbud	Eastern Redbud	1-1.5"	3	B&B	3	40	120
Ilex opaca (M)	American Holly (male)	American Holly (male)	6-8"	6	B&B	20	120	120
Ilex opaca (F)	American Holly (female)	American Holly (female)	6-8"	6	B&B	45	270	270
Liriodendron tulipifera	Tulip Poplar	Tulip Poplar	Seedling	1	Bare Root	700	700	700
Pinus taeda	Loblolly Pine	Loblolly Pine	Seedling	1	Bare Root	500	500	500
Kalmia latifolia	Mountain Laurel	Mountain Laurel	1.5-2"	1	Container	150	150	150
Spiraea alba	Spicebush	Spicebush	1.5-2"	1	Container	90	90	90
Vaccinium corymbosum	Highbush Blueberry	Highbush Blueberry	1.5-2"	1	Container	80	80	80
Viburnum acerifolium	Mapleleaf Viburnum	Mapleleaf Viburnum	1.5-2"	1	Container	80	80	80
Total Reforestation Units Provided								3,540
Total Reforestation Units Required								3,400
Excess/Shortage								140

AFFORESTATION AREA #2 - Lots 11 - 20

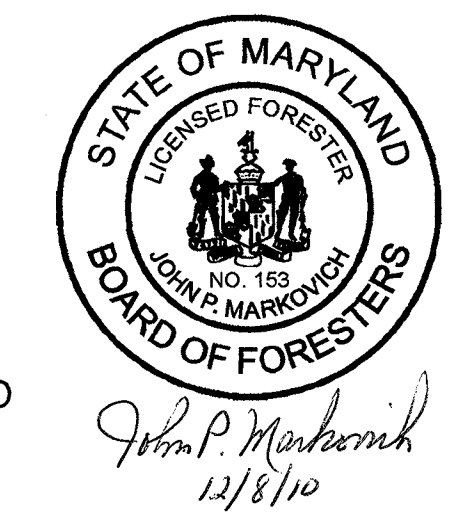
Botanical Name	Species	Common Name	Caliper	Height	Credits/Unit	Type	Quantity	Reforestation Credits
Liriodendron tulipifera	Tulip Poplar	Tulip Poplar	1-1.5"	3	B&B	3	100	300
Quercus rubra	Northern Red Oak	Northern Red Oak	1-1.5"	3	B&B	3	100	300
Quercus coccinea	Scarlet Oak	Scarlet Oak	1-1.5"	3	B&B	18	54	54
Acer rubrum	Red Maple	Red Maple	1-1.5"	3	B&B	15	45	45
Cercis canadensis	Eastern Redbud	Eastern Redbud	1-1.5"	3	B&B	15	45	45
Ilex opaca (M)	American Holly (male)	American Holly (male)	6-8"	6	B&B	4	24	24
Ilex opaca (F)	American Holly (female)	American Holly (female)	6-8"	6	B&B	8	48	48
Liriodendron tulipifera	Tulip Poplar	Tulip Poplar	Seedling	1	Bare Root	150	150	150
Pinus taeda	Loblolly Pine	Loblolly Pine	Seedling	1	Bare Root	150	150	150
Kalmia latifolia	Mountain Laurel	Mountain Laurel	1.5-2"	1	Container	26	26	26
Vaccinium corymbosum	Highbush Blueberry	Highbush Blueberry	1.5-2"	1	Container	18	18	18
Viburnum acerifolium	Mapleleaf Viburnum	Mapleleaf Viburnum	1.5-2"	1	Container	22	22	22
Total Reforestation Units Provided								1,010
Total Reforestation Units Required								810
Excess/Shortage								200

AFFORESTATION AREA #3 - Lots 21 - 30

Botanical Name	Species	Common Name	Caliper	Height	Credits/Unit	Type	Quantity	Reforestation Credits
Liriodendron tulipifera	Tulip Poplar	Tulip Poplar	1-1.5"	3	B&B	5	15	15
Quercus rubra	Northern Red Oak	Northern Red Oak	1-1.5"	3	B&B	3	9	9
Quercus coccinea	Scarlet Oak	Scarlet Oak	1-1.5"	3	B&B	3	9	9
Acer rubrum	Red Maple	Red Maple	1-1.5"	3	B&B	3	9	9
Cercis canadensis	Eastern Redbud	Eastern Redbud	1-1.5"	3	B&B	2	6	6
Ilex opaca (M)	American Holly (male)	American Holly (male)	6-8"	6	B&B	1	6	6
Ilex opaca (F)	American Holly (female)	American Holly (female)	6-8"	6	B&B	2	12	12
Liriodendron tulipifera	Tulip Poplar	Tulip Poplar	Seedling	1	Bare Root	15	15	15
Pinus taeda	Loblolly Pine	Loblolly Pine	Seedling	1	Bare Root	18	18	18
Kalmia latifolia	Mountain Laurel	Mountain Laurel	1.5-2"	1	Container	8	8	8
Vaccinium corymbosum	Highbush Blueberry	Highbush Blueberry	1.5-2"	1	Container	9	9	9
Viburnum acerifolium	Mapleleaf Viburnum	Mapleleaf Viburnum	1.5-2"	1	Container	8	8	8
Total Reforestation Units Provided								130
Total Reforestation Units Required								130
Excess/Shortage								0

AFFORESTATION AREA #4 in PUE per M-NCPPC Urban Design Section (Not Woodland Conservation)

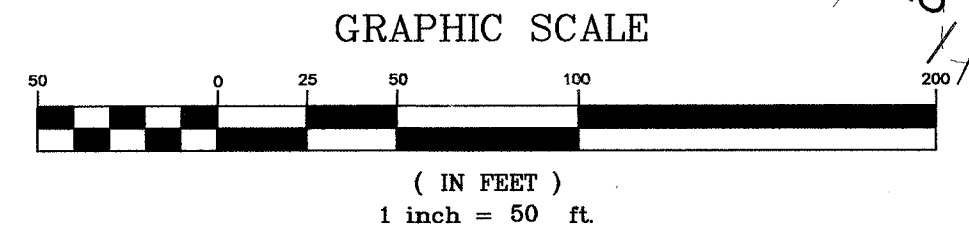
Botanical Name	Species	Common Name	Caliper	Height	Credits/Unit	Type	Quantity	Reforestation Credits
Liriodendron tulipifera	Tulip Poplar	Tulip Poplar	1-1.5"	3	B&B	10	30	30
Quercus rubra	Northern Red Oak	Northern Red Oak	1-1.5"	3	B&B	10	30	30
Quercus coccinea	Scarlet Oak	Scarlet Oak	1-1.5"	3	B&B	10	30	30
Acer rubrum	Red Maple	Red Maple	1-1.5"	3	B&B	10	30	30
Cercis canadensis	Eastern Redbud	Eastern Redbud	1-1.5"	3	B&B	5	15	15
Ilex opaca (M)	American Holly (male)	American Holly (male)	6-8"	6	B&B	5	15	15
Ilex opaca (F)	American Holly (female)	American Holly (female)	6-8"	6	B&B	5	15	15
Liriodendron tulipifera	Tulip Poplar	Tulip Poplar	Seedling	1	Bare Root	35	35	35
Pinus taeda	Loblolly Pine	Loblolly Pine	Seedling	1	Bare Root	35	35	35
Kalmia latifolia	Mountain Laurel	Mountain Laurel	1.5-2"	1	Container	9	9	9
Vaccinium corymbosum	Highbush Blueberry	Highbush Blueberry	1.5-2"	1	Container	9	9	9
Viburnum acerifolium	Mapleleaf Viburnum	Mapleleaf Viburnum	1.5-2"	1	Container	9	9	9
Total Reforestation Units Provided								280
Total Reforestation Units Required								280
Excess/Shortage								0



QUALIFIED PROFESSIONAL CERTIFICATION  
This plan complies with the current requirements of Subtitle 25 and the Woodland and Wildlife Conservation Technical Manual  
John P. Markovich  
John P. Markovich  
12/18/10  
Date

M-NCPPC  
Prince George's County Planning Department  
Environmental Planning Section  
APPROVAL  
Type 2 Tree Conservation Plan  
TCP/1 - 144 - 05  
Approved by  
J.L. Stasz  
Date  
9-25-06  
1-28-11

"MISS UTILITY"  
FOR LOCATION OF UTILITIES CALL  
1-800-257-7777 48 HOURS IN ADVANCE  
OF ANY WORK IN THIS VICINITY.



OWNER / APPLICANT:  
K & P BUILDERS  
13627 ANNAPOLIS ROAD  
BOWIE, MD 20720  
301-262-7227

ENGINEERS  
LAND PLANNERS  
LAND SURVEYORS  
RDA  
14603 MAIN STREET - UPPER MARLBOROUGH, MD 20772  
(301) 945-8500 (301) 945-8500

REVISIONS

NO.	DESCRIPTION
1	
2	
3	
4	
5	

JOB NO. W-603  
SCALE 1" = 50'  
DRAWN BY: MARTIN  
CHECKED BY: CSJ  
DATE: November, 2010

TYPE 2 TREE CONSERVATION PLAN  
LOTS 7 - 15 & OUTLOT "A"  
KING GALLAHAN SUBDIVISION  
PISCATAWAY (5th) ELECTION DISTRICT  
PRINCE GEORGE'S COUNTY, MARYLAND

SHEET 2 of 3



# GENERAL NOTES

- This plan is submitted to fulfill the woodland conservation requirements for a grading permit. If this grading permit expires, the this TCP2 also expires and is no longer valid.
- Cutting or clearing of woodland not in conformance with this plan or without the express 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 conduct 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 R-E.
- The property is adjacent to Piscataway Road which is a designated historic roadway.
- The property is adjacent to Piscataway Road which is classified as an arterial roadway.
- This plan is grandfathered under Prince Georges County Code Section 25-119(g), per CB-27-2010.

## 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 TPF 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 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.
- 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 permittee 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 permittee, 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 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.
- 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 A300 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 the action 7777 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 35 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.
- Tree protection fencing (TPFs) is not required for all or portions of this plan because an undisturbed 100-foot buffer of open land for a 50-foot forested buffer is being maintained between the limit of disturbance (LOD) and the woodland preservation areas. If the LOD changes and the change impacts these buffers, the county inspector shall be contacted to evaluate the change to determine if a revision to the tree conservation plan is necessary or if installation of TPFs will be required.
- 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.

## 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.
- For each lot for which afforestation is proposed, the afforestation and associated fencing shall be installed prior to the issuance of the building permit for that lot. A certification prepared by a qualified professional may be used to provide verification that the afforestation has been completed. It must include, at a minimum, photos of the afforestation areas and the associated fencing for each lot with labels on the photos identifying the locations and a plan showing the location where the photos were taken.
- Seeding planting is to occur from November through May only. No planting shall be done while ground is frozen. Planting with larger caliper stock or containerized stock may be done at any time, subject to a detailed maintenance schedule being provided.
- If planting cannot occur due to site or weather 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 clearing and grading of the site. Failure to install and maintain temporary or permanent tree protective fencing is a violation of this TCP2.
- 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. Results of annual survival checks 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 \$9.00 per square foot penalty unless the county inspector approves a written extension.

## NOTES ON PROTECTION OF REFORESTATION AND AFFORESTATION AREAS BY OWNERS

- 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.

# PLANTING SPECIFICATION NOTES

- Quantity: (See Plant Schedule)
- Type: (See Plant Schedule)
- Plant Quality Standards: The plants selected shall be healthy and sturdy representatives 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 or April, when the soil is moist, but may be planted from March through November. No plant should then be done while ground is frozen. Planting shall occur within one growing season of the issuance of grading/building permits and/or reaching the final grades and stabilization of planting areas.
- Seeding 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 should 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 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 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 shredded hardwood mulch (as noted) to each planting site (see detail shown on this plan).
- Groundcover 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: Information concerning source of trees will be provided to M-NCPPC once known.

## FOUR YEAR MANAGEMENT PLAN FOR REFORESTATION/AFFORESTATION AREAS

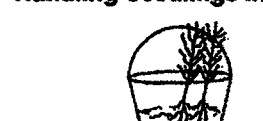
- Field-check the Re- or Afforestation area according to the following schedule:
- Year 1: Site Preparation and Tree Planting  
Survival check once annually (September-November), see note below  
Watering (2x/month)  
Control of undesirable vegetation as needed (1x in June and 1x in September, min.)
- Year 2-3: Reinforcement Planting as needed (See note below)  
Survival check once annually (September-November)  
Control of undesirable vegetation if needed (1x in May and 1x in August, min.)
- Year 4: Reinforcement planting as needed. (See note below)  
Survival check (September-November)
- Survival Check: Check planted stock against plant list (or as-planted list) 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.
- Rinforcement 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.
- 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.

## NOTE FOR OFF-SITE WOODLAND CONSERVATION

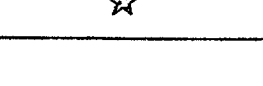
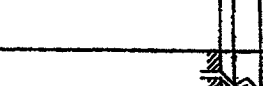
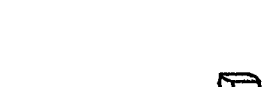
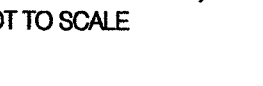
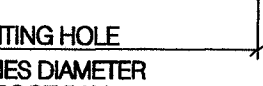
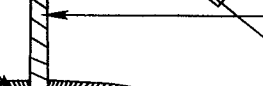
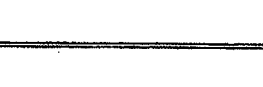
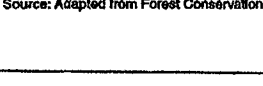
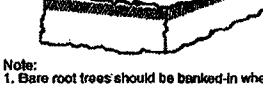
## NOTES ON RETAINED TREES AND WOODLAND

- If the original developer or builder no longer has an interest in the property and the current owner desires to remove a hazardous tree or portion thereof, the 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 Georges 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 owner 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 plants 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.

## Handling Seedlings in the Field



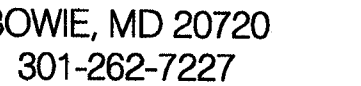
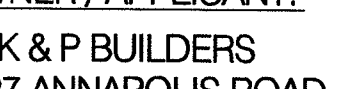
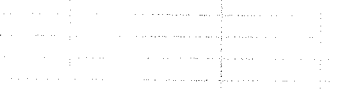
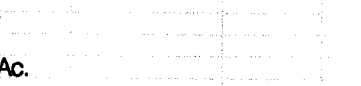
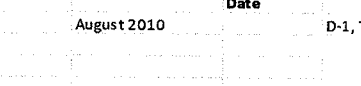
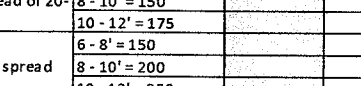
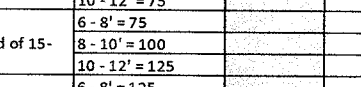
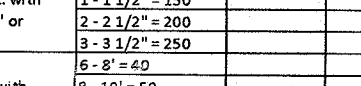
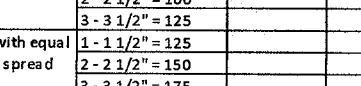
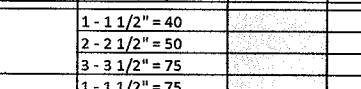
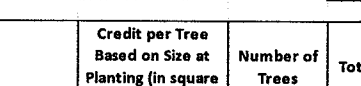
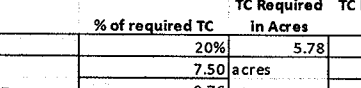
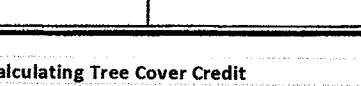
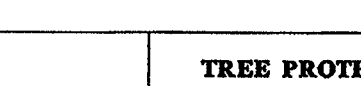
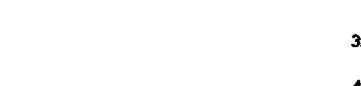
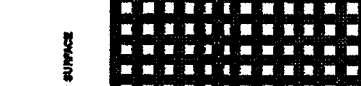
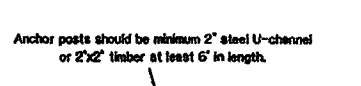
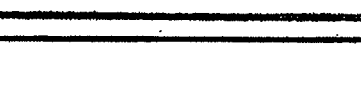
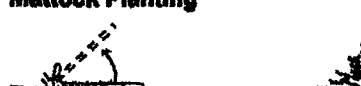
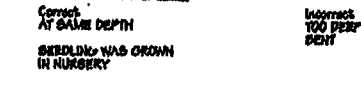
## Seedlings and Whips



## Seedling and Whip Planting



## Correct and incorrect Planting Depth



## Planting With Dibble Bar

