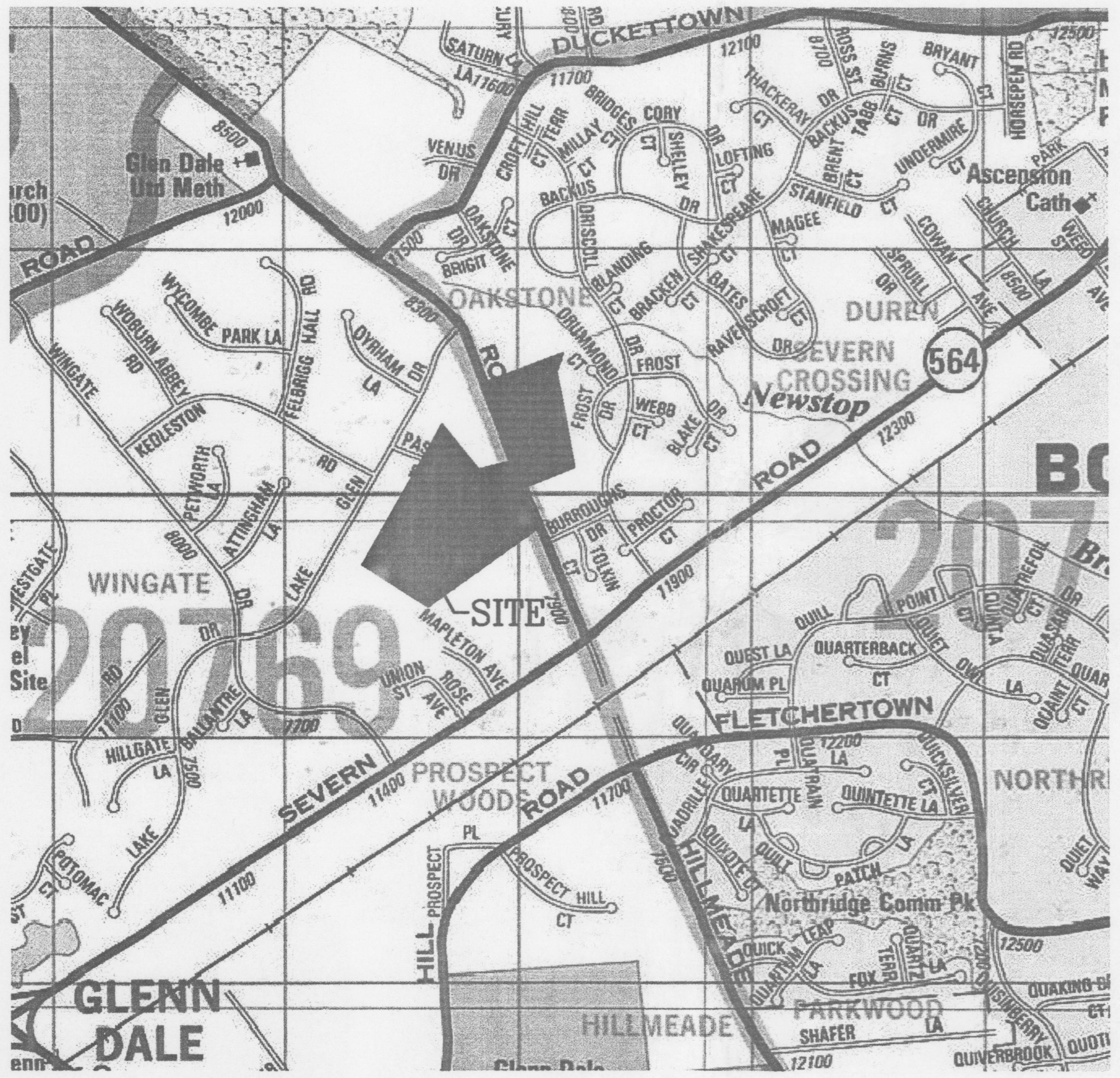
TREE CONSERVATION PLAN – TYPE II

GLENN DALE NORTH

PRINCE GEORGE'S COUNTY, MARYLAND



VICINITY MAP
SCALE: 1"= 1,000'

SHEET INDEX

1. COVER SHEET
2. OVERALL TREE CONSERVATION PLAN – TYPE II (100 SCALE)
3. TREE CONSERVATION PLAN – TYPE II (30 SCALE)
4. TREE CONSERVATION PLAN – TYPE II (30 SCALE)
5. TREE CONSERVATION PLAN – TYPE II (30 SCALE)
6. TREE CONSERVATION PLAN – TYPE II (30 SCALE)
7. TREE CONSERVATION PLAN – TYPE II (30 SCALE)
8. TREE CONSERVATION PLAN– TYPE II NOTES
9. TREE CONSERVATION PLAN– TYPE II DETAILS

APPLICANT

GLENN DALE NORTH, LLC
6862 ELM STREET
SUITE 820
MCLEAN, VA 22101
(703) 790-9400

M-NCPPC
Prince George's County Planning Department
Environmental Planning Section
APPROVAL
TREE CONSERVATION PLAN
TCPII /18 / 06 /

	Approved by	Date
	Lori Shirley	4/3/06
01		
02		
03		
04		
05		

Bowman
CONSULTING

Bowman Consulting Group, Ltd.
2121 Eisenhower Avenue
Suite 302
Alexandria, Virginia 22314

Phone: (703) 548-2188
Fax: (703) 683-5781

www.bowmanconsulting.com

COVER SHEET
GLENN DALE NORTH
BOWIE (14th) ELECTION DISTRICT PRINCE GEORGES COUNTY, MARYLAND

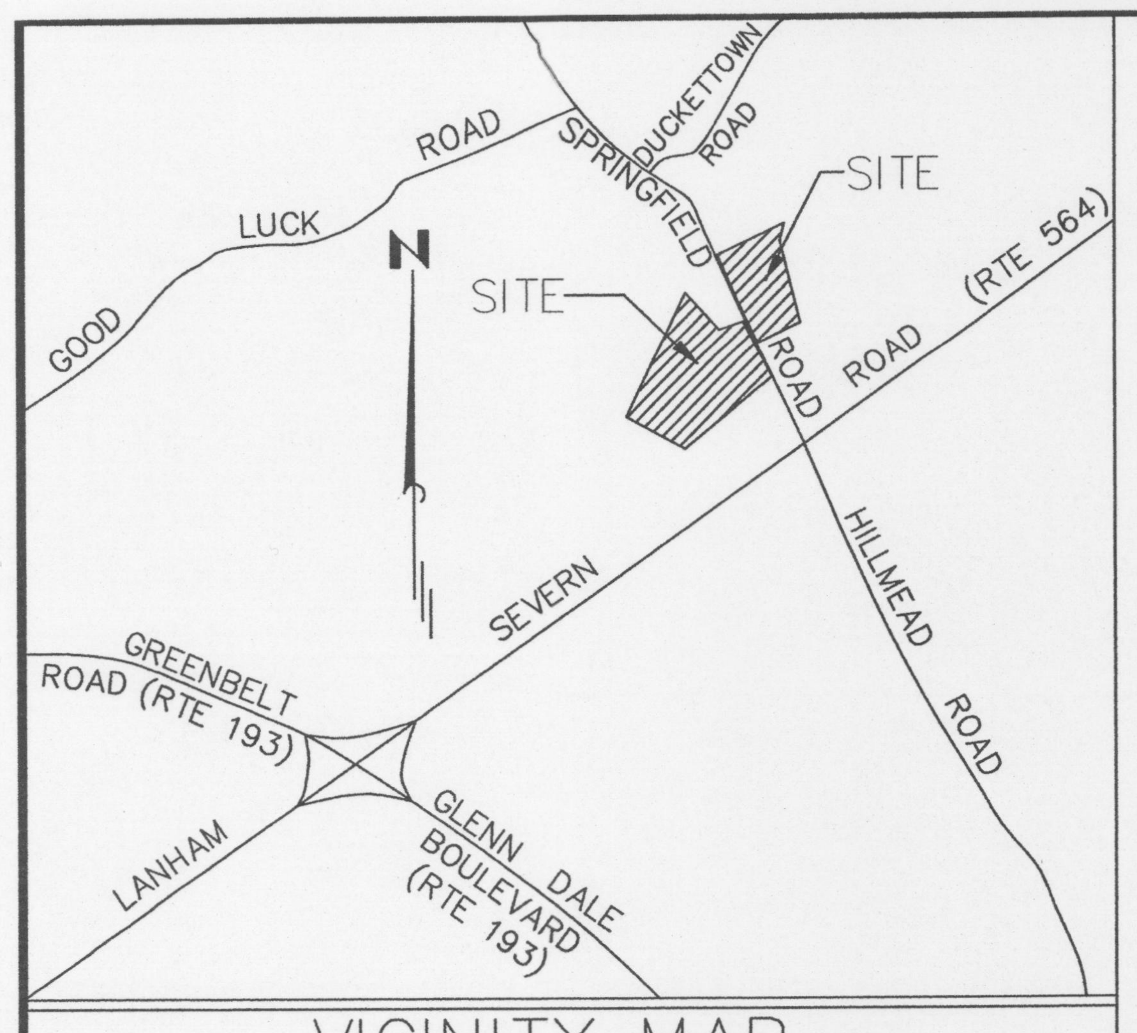
MD. NAT'L. CAP. PK. & PL. COMM
PRINCE GEORGE'S COUNTY
RECEIVED
MAR 30 2006
COUNTYWIDE PLANNING DIVISION
ENVIRONMENTAL PLANNING SECTION

GREGORY C. LONG
No. 3162
3·30·06

PLAN STATUS	
3.10.06	RESUBMISSION
	PER 3.6.06 MEMO
3.30.06	RESUBMISSION
	PER 3.27.06 MEMO
	MYLAR SIGNATURE
	SET
DATE	DESCRIPTION

GCL DESIGN	GOG DRAWN	SD CHKD
SCALE	H: AS SHOWN V:	
JOB No.	2961-01-001	
DATE :	JANUARY, 2006	
FILE No.		
SHEET	1 OF 9	

Cad file name : C:\temp\BGPlot_2248\2961-01-001-FDP-COV-TCP II.dwg



VICINITY MAP

SCALE: 1" = 2000'

GENERAL NOTES

1. PRIMARY MANAGEMENT AREA (PMA) SHOWN ON PLAN IS MAXIMUM EXTENT OF THE COMBINATION OF THE FOLLOWING ITEMS:
   - 50' STREAM BUFFER
   - WETLAND BUFFER
   - 100-YEAR FLOODPLAIN DELINEATION
   - STEEP SLOPES THAT EXTEND OUT OF THE STREAM BUFFER
2. PROPOSED UTILITIES ARE SHOWN CONCEPTUALLY AND WILL BE LOCATED WITH THE RIGHT OF WAYS OF SPRINGFIELD ROAD OR THE INTERIOR ACCESS ROADS 'A', ROAD 'B' AND ROAD 'C'.
3. ALL EXISTING UTILITIES, EASEMENTS (INCLUDING SEPTICE RESERVE AREAS) ARE SHOWN FROM BEST AVAILABLE INFORMATION.
4. SOURCE OF 100 YEAR FLOODPLAIN IS A 100-YEAR FLOODPLAIN STUDY (FPS 880093) CONDUCTED BY LOIDERMAN ASSOCIATES, INC. AND ON FILE AT THE PRINCE GEORGE'S COUNTY DEPARTMENT OF ENVIRONMENTAL RESOURCES, DIVISION OF ENVIRONMENTAL MANAGEMENT, WATERSHED PROTECTION BRANCH.

	Woodland Conservation Worksheet			
		for		
	Prince George's County			
Zone:	R-E	R-R		
Gross Tract:	25.25	11.50		
Floodplain:	0.00	0.77		
Previously Dedicated Land:	0.00	0.00		
Net Tract (NTA):	25.25	10.73	0.00	
	*Include acreage in the corresponding columns for ea			
Property Description or Subdivision Name:	GLENN DALE NORTH			
Is this site subject to the 1989 Ordinance?	N			
Reforesation Requirement Reduction Questions				
Is this one (1) single family lot? (y,n)	N			
Are there prior TCP approvals which include a combinationof this lot and/or other lots. (y,n)	N			
Is this a Mitigation Bank	N			
Break-even Point (preservation) =	12.58	acres		
Clearing permitted w/o reforestion=	16.49	acres		
Woodland Conservation Calculations:		Net Tract (acres)	Floodplain (acres)	Off-site Impacts (acres)
Existing Woodland		29.07	0.77	
Woodland Conservation Threshold (NTA) =	0.24	8.46		
Smaller of a or b		8.46		
Woodland above WCT		20.61		
Woodland cleared		16.00	0.00	0.00
Smaller of d or e		16.00		
Clearing above WCT (0.25 : 1) replacement requirement		4.00		
Clearing below WCT (2:1 replacement requirement)		0.00		
Afforestation Threshold (AFT) =	0.19	0.00		
Woodland Conservation Required		**12.46**		
Woodland Conservation Provided:		(acres)		
Woodland Preservation		13.07		
Reforestation / Replacement		0.00		
Afforestation		0.00		
Area approved for fee-in-lieu		0.00		0.00
Credits for Off-site Mitigation on another property		0.00		
Off-site Mitigation provided on this property		0.00		
Total Woodland Conservation Provided		**13.07**		
Area of woodland not cleared	13.07	acres		
Woodland retained not part of requirements:	0.00	acres		
Prepared by:				
	Signed			Date
Revised 6/1/04				

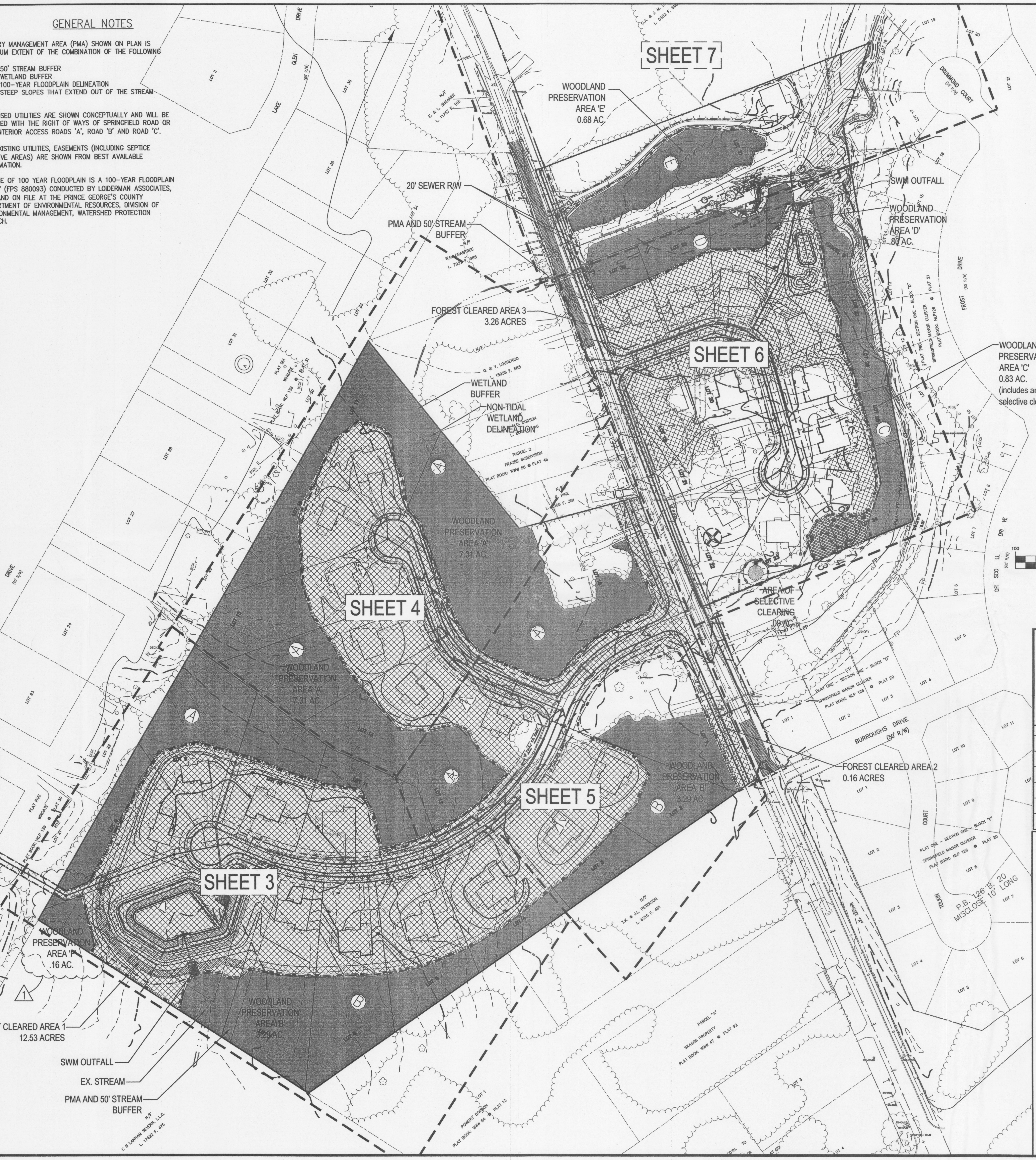
1

SPECIMEN TREE NOTE

THESE SPECIMEN TREES HAVE BEEN FIELD LOCATED BECAUSE OF THEIR STRONG VIGOR AND CLOSE PROXIMITY TO THE CURRENT PROPOSED DEVELOPMENT LAYOUT. ADDITIONAL SPECIMEN TREES EXIST ON THE PROPERTY, HOWEVER DUE TO THEIR POOR HEALTH, LOCATION AWAY FROM THE CURRENT DEVELOPMENT AREA, AND/OR LOCATION WITHIN ENVIRONMENTALLY SENSITIVE AREAS, THEY HAVE NOT BEEN FIELD LOCATED.

NUMBER	SPECIES	DBH (INCHES)	CONDITION	LOCATION METHOD	PROPOSED DISPOSITION
1	Oak sp.	36	GOOD	FIELD	REMOVE
2	Loblolly	30	GOOD	FIELD	SAVE
3	White Oak	41	GOOD	FIELD	SAVE
4	Oak sp.	43	GOOD	FIELD	SAVE
5	Oak sp.	33	GOOD	FIELD	SAVE
6	Oak sp.	35	GOOD	FIELD	SAVE
7	Oak sp.	41	GOOD	FIELD	SAVE

NOTE FOR TREES TO BE SAVED:
THE LIMIT OF DISTURBANCE SHALL BE STAKED IN FIELD PRIOR TO ANY LAND GRADING/CONSTRUCTION ACTIVITIES. ONCE APPROVED, TREE PROTECTION FENCE IN SHALL BE INSTALLED IN CONJUNCTION WITH ROOT PRUNING.


SHEET 7
SHEET 6
SHEET 5
SHEET 4
SHEET 3
WOODLAND PRESERVATION AREA 'E' 0.68 AC.
20' SEWER R/W
PMA AND 50' STREAM BUFFER
FOREST CLEARED AREA 3 3.26 ACRES
WETLAND BUFFER
NON-TIDAL WETLAND DELINEATION
SWM OUTFALL
WOODLAND PRESERVATION AREA 'D' .80 AC.
WOODLAND PRESERVATION AREA 'C' 0.83 AC. (includes area of selective clearing)
WOODLAND PRESERVATION AREA 'A' 7.31 AC
AREA OF SELECTIVE CLEARING .08 AC.
WOODLAND PRESERVATION AREA 'B' 3.29 AC
FOREST CLEARED AREA 2 0.16 ACRES
WOODLAND PRESERVATION AREA 'F' .16 AC.
FOREST CLEARED AREA 1 12.53 ACRES
SWM OUTFALL
EX. STREAM
PMA AND 50' STREAM BUFFER
BURROUGHS DRIVE (50' R/W)
GLEN LAKE DRIVE
FROST DRIVE
DRUMMOND COURT
NORTH
N
GRAPHIC SCALE
100
0
50
100
200
400
(IN FEET)
1 inch = 100 ft.

M-NCPPC
Prince George's County Planning Department
Environmental Planning Section

APPROVAL

TREE CONSERVATION PLAN
TCPII / 18 / 06 / -01

	Approved by	Date
	Original Certification by Lori Shirley	4/3/06
01	Lori Shirley	3/27/07
02		
03		
04		
05		

LEGEND

FIELD LOCATIED SPECIMEN TREE TO REMAIN	●
FIELD LOCATIED SPECIMEN TREE TO BE REMOVED	⊗
FOREST RETAINED (NON FCA)	Ⓐ
FOREST CLEARED	△1
AREA OF ROOT PRUNING REQUIRED	▬
WOODLAND PRESERVATION AREAS SELECTIVE CLEARING	▨ 1
LIMITS OF DISTURBANCE	—— LOD ——
CRITICAL ROOT ZONE	—— CRZ ——
TREE PROTECTION FENCE & TREE PROTECTION SIGNAGE (SPACED 50' O.C.)	— —
SPECIMEN TREE SIGNAGE	▣

Bowman
CONSULTING

Bowman Consulting Group, Ltd.
2121 Eisenhower Avenue
Suite 302
Alexandria, Virginia 22314

Phone: (703) 548-2188
Fax: (703) 683-5781

www.bowmanconsulting.com

© Bowman Consulting Group, Ltd.

TREE CONSERVATION PLAN - TYPE II

GLENN DALE NORTH

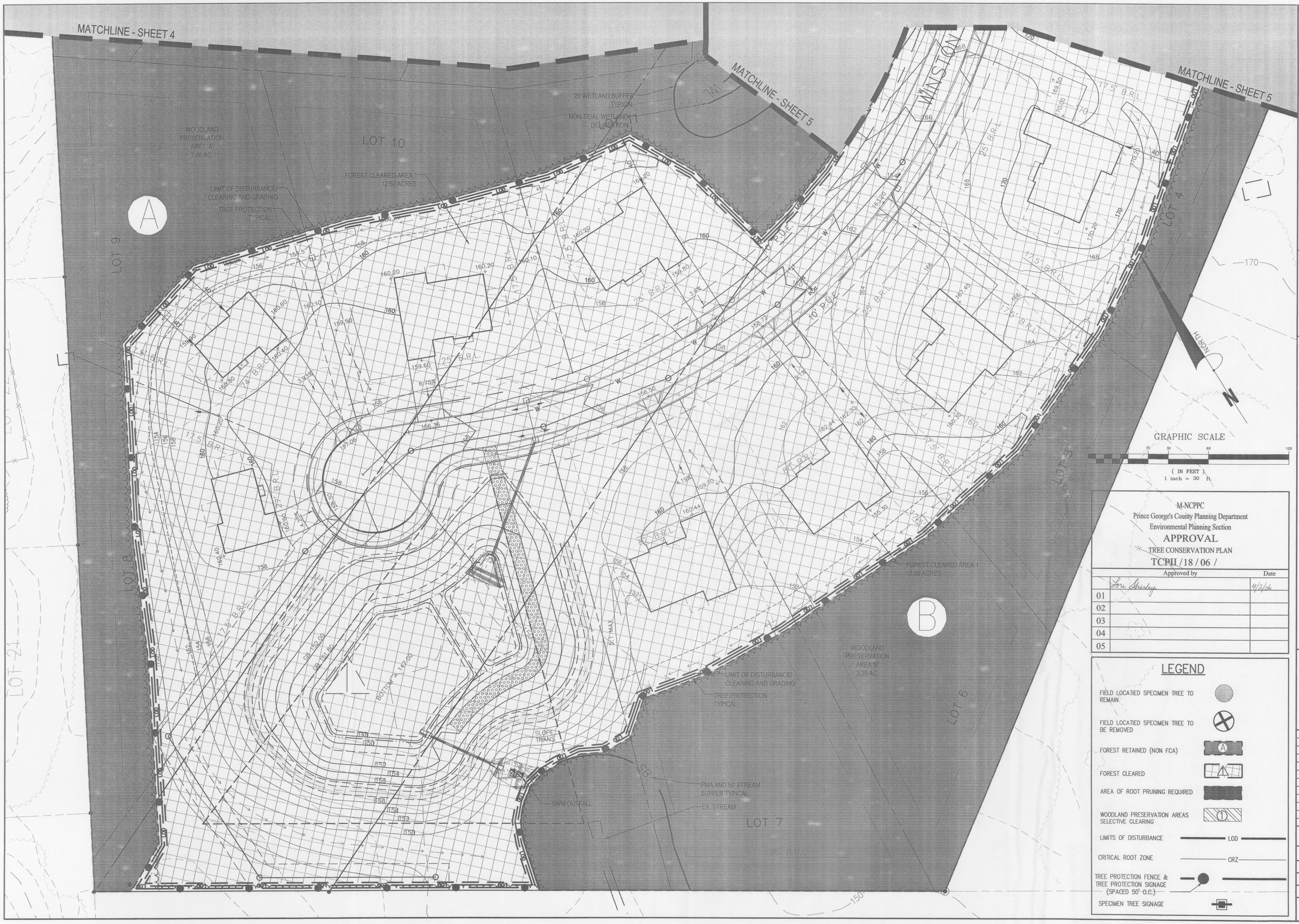
BOWIE (14th) ELECTION DISTRICT
PRINCE GEORGES COUNTY, MARYLAND

GREGORY C. LONG
No. 3162
3.9.07

PLAN STATUS	
3.10.06	RESUBMISSION
	PER 3.6.06 MEMO
3.30.06	RESUBMISSION
	PER 3.27.06 MEMO
	MYLAR SIGNATURE
	SET
3.9.07	ADDENDUM #1
	REVISION PER
	STREAM VALLEY
	RESTORATION
DATE	DESCRIPTION

GCL DESIGN	GOG DRAWN	SD CHKD
SCALE	H: 100' V:	
JOB No.	2961-01-001	
DATE :	JANUARY, 2006	
FILE No.		
SHEET	2 OF 9	

Cad file name : P:\2961 - Glendale North\2961-01-004-Eng\Engineering\Eng Plans\2961-01-004-FDP-TCP II.dwg


MATCHLINE - SHEET 4
MATCHLINE - SHEET 5
MATCHLINE - SHEET 5
WINSTON
25' WETLAND BUFFER TYPICAL
NON-TIDAL WETLAND DELINEATION
WOODLAND PRESERVATION AREA 'A' 7.46 AC.
LOT 10
LOT 11
LOT 9
LOT 8
LOT 4
LOT 5
LOT 6
LOT 7
LOT 21
A
B
FOREST CLEARED AREA 1 12.50 ACRES
LIMIT OF DISTURBANCE/ CLEARING AND GRADING
TREE PROTECTION TYPICAL
25' B.R.L.
17.5' B.R.L.
10' P.U.E.
BOTTOM = 147.00
5:1 MAX
SLOPE TRANS
SWM OUTFALL
PMA AND 50' STREAM BUFFER TYPICAL
EX. STREAM
WOODLAND PRESERVATION AREA 'B' 3.29 AC.
FOREST CLEARED AREA 1 12.50 ACRES
LIMIT OF DISTURBANCE/ CLEARING AND GRADING
TREE PROTECTION TYPICAL
LOD
NORTH
N
GRAPHIC SCALE
30
15
30
60
120
(IN FEET)
1 inch = 30 ft.

M-NCPPC
Prince George's County Planning Department
Environmental Planning Section
APPROVAL
TREE CONSERVATION PLAN
TCPII /18 / 06 /

	Approved by	Date
	Lori Shirley	4/3/06
01		
02		
03		
04		
05		

LEGEND

FIELD LOCATIED SPECIMEN TREE TO REMAIN	●
FIELD LOCATIED SPECIMEN TREE TO BE REMOVED	⊗
FOREST RETAINED (NON FCA)	Ⓐ
FOREST CLEARED	⚠
AREA OF ROOT PRUNING REQUIRED	▬
WOODLAND PRESERVATION AREAS SELECTIVE CLEARING	①
LIMITS OF DISTURBANCE	—— LOD ——
CRITICAL ROOT ZONE	—— CRZ ——
TREE PROTECTION FENCE & TREE PROTECTION SIGNAGE (SPACED 50' O.C.)	—●——
SPECIMEN TREE SIGNAGE	▣

Bowman
CONSULTING

Bowman Consulting Group, Ltd.
2121 Eisenhower Avenue
Suite 302
Alexandria, Virginia 22314

Phone: (703) 548-2188
Fax: (703) 683-5781

www.bowmanconsulting.com

TREE CONSERVATION PLAN - TYPE II

GLENN DALE NORTH

BOWIE (14th) ELECTION DISTRICT PRINCE GEORGES COUNTY, MARYLAND

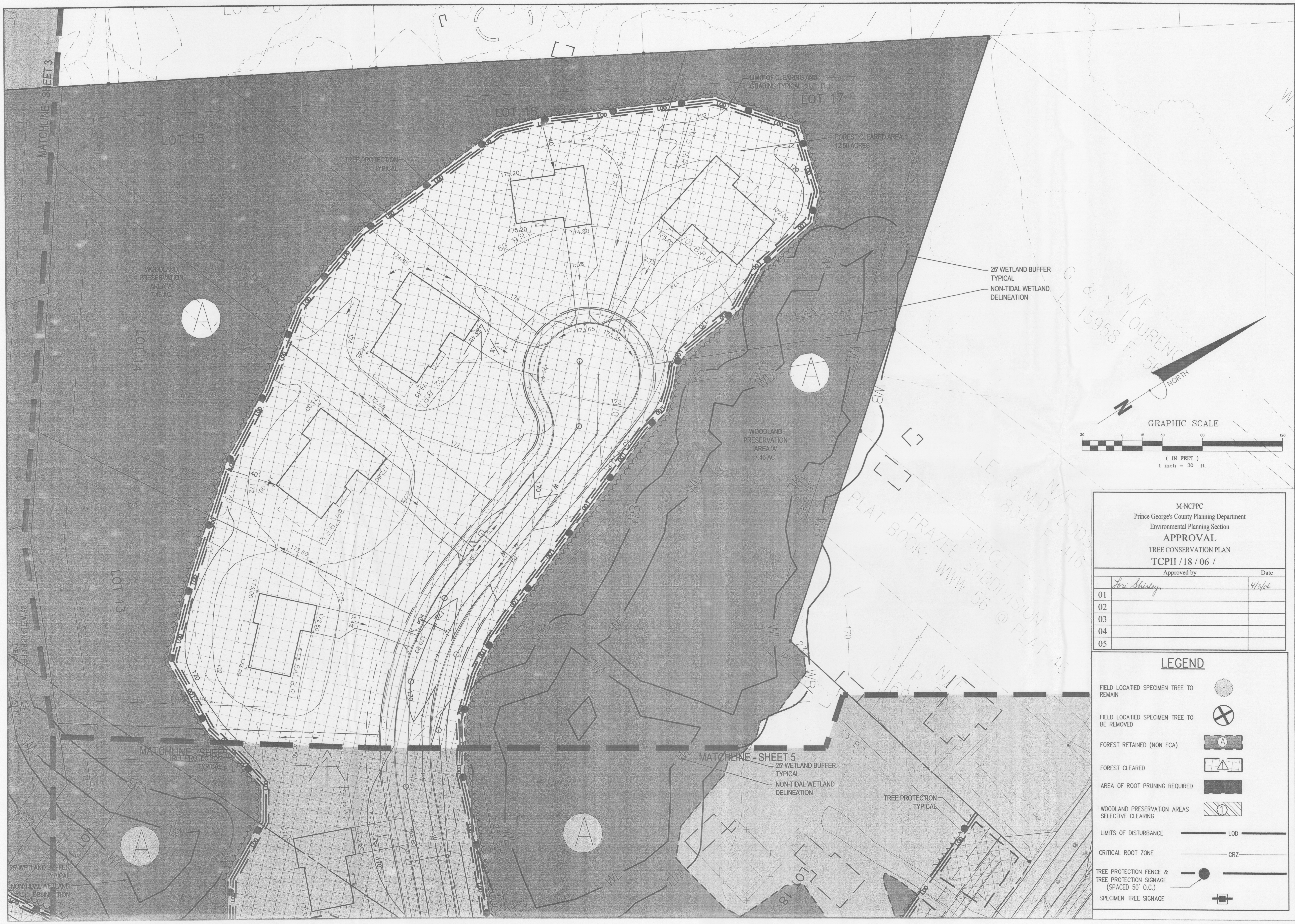
MD. NAT'L. CAP. PK. & PL. COMM.
PRINCE GEORGE'S COUNTY
RECEIVED
MAR 30 2006
COUNTYWIDE PLANNING DIVISION
ENVIRONMENTAL PLANNING SECTION

GREGORY C. LONG
No. 3162
3.30.06

PLAN STATUS	
3.10.06	RESUBMISSION
	PER 3.6.06 MEMO
3.30.06	RESUBMISSION
	PER 3.27.06 MEMO
	MYLAR SIGNATURE
	SET
DATE	DESCRIPTION

GCL DESIGN	GOG DRAWN	SD CHKD
SCALE	H: 30' V:	
JOB No.	2961-01-001	
DATE :	JANUARY, 2006	
FILE No.		
SHEET	3 OF 9	

Cad file name : C:\temp\BGPlot_2248\2961-01-001-FDP-TCP II.dwg


MATCHLINE - SHEET 3
LOT 15
LOT 16
LOT 17
LOT 14
LOT 13
LIMIT OF CLEARING AND GRADING TYPICAL
FOREST CLEARED AREA 1 12.50 ACRES
TREE PROTECTION TYPICAL
WOODLAND PRESERVATION AREA 'A' 7.46 AC.
WOODLAND PRESERVATION AREA 'A' 7.46 AC
A
25' WETLAND BUFFER TYPICAL
NON-TIDAL WETLAND DELINEATION
N/F G. & Y. LOURENCO L. 15958 F. 56
N/F LE. & M.D. DODS L. 8042 F. 416
PARCEL 2 FRAZEE SUBDIVISION PLAT BOOK: WWW 56 @ PLAT 46
MATCHLINE - SHEET 5
LOT 18
NORTH
N
GRAPHIC SCALE
30 0 15 30 60 120
(IN FEET)
1 inch = 30 ft.

M-NCPPC
Prince George's County Planning Department
Environmental Planning Section

APPROVAL

TREE CONSERVATION PLAN
TCPII /18 / 06 /

	Approved by	Date
01	Lori Shirley	4/3/06
02		
03		
04		
05		

LEGEND

FIELD LOCATIED SPECIMEN TREE TO REMAIN	✺
FIELD LOCATIED SPECIMEN TREE TO BE REMOVED	⊗
FOREST RETAINED (NON FCA)	Ⓐ
FOREST CLEARED	⚠
AREA OF ROOT PRUNING REQUIRED	■
WOODLAND PRESERVATION AREAS SELECTIVE CLEARING	①
LIMITS OF DISTURBANCE	—— LOD ——
CRITICAL ROOT ZONE	—— CRZ ——
TREE PROTECTION FENCE & TREE PROTECTION SIGNAGE (SPACED 50' O.C.)	—●——
SPECIMEN TREE SIGNAGE	▣

Bowman
C O N S U L T I N G

Bowman Consulting Group, Ltd.
2121 Eisenhower Avenue
Suite 302
Alexandria, Virginia 22314

Phone: (703) 548-2188
Fax: (703) 683-5781

www.bowmanconsulting.com

TREE CONSERVATION PLAN - TYPE II

GLENN DALE NORTH

BOWIE (14th) ELECTION DISTRICT
PRINCE GEORGES COUNTY, MARYLAND

MD. NAT'L. CAP. PK. & PL. COMM.
PRINCE GEORGE'S COUNTY
RECEIVED
MAR 30 2006
COUNTYWIDE PLANNING DIVISION
ENVIRONMENTAL PLANNING SECTION

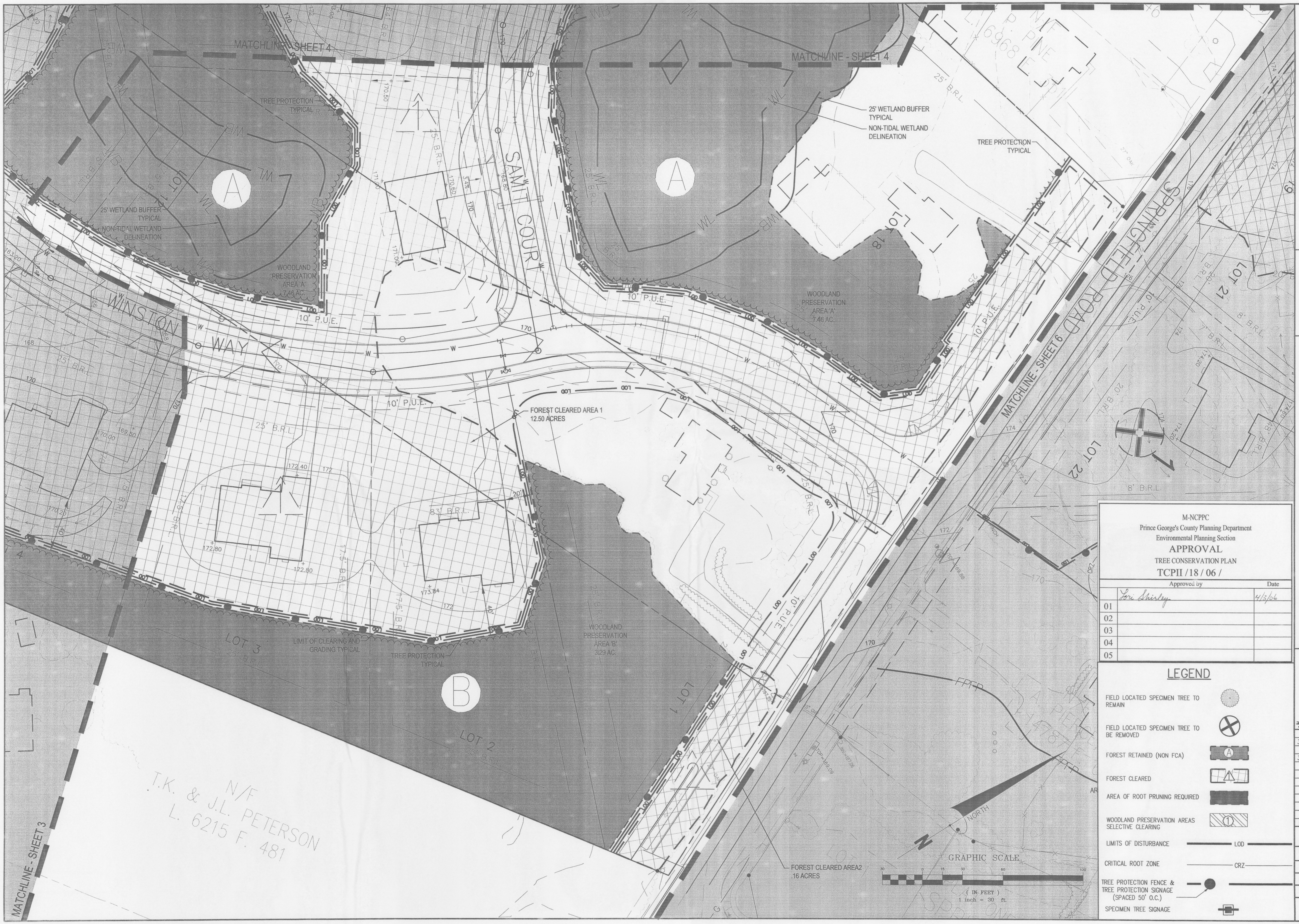
GREGORY C. LONG
No. 3162
3.30.06

PLAN STATUS	
3.10.06	RESUBMISSION
	PER 3.6.06 MEMO
3.30.06	RESUBMISSION
	PER 3.27.06 MEMO
	MYLAR SIGNATURE
	SET
DATE	DESCRIPTION

GCL DESIGN	GOG DRAWN	SD CHKD

SCALE H: 30' V:
JOB No. 2961-01-001
DATE : JANUARY, 2006
FILE No.

Cad file name : C:\temp\BGPlot_2248\2961-01-001-FDP-TCP II.dwg


MATCHLINE - SHEET 4
MATCHLINE - SHEET 4
MATCHLINE - SHEET 6
MATCHLINE - SHEET 3
TREE PROTECTION TYPICAL
25' WETLAND BUFFER TYPICAL
NON-TIDAL WETLAND DELINEATION
WOODLAND PRESERVATION AREA 'A' 7.46 AC.
A
A
B
SAMIT COURT
WINSTON WAY
SPRINGFIELD ROAD
10' P.U.E.
25' B.R.L.
LOT 18
LOT 19
LOT 21
LOT 22
LOT 1
LOT 2
LOT 3
FOREST CLEARED AREA 1 12.50 ACRES
FOREST CLEARED AREA2 .16 ACRES
LIMIT OF CLEARING AND GRADING TYPICAL
WOODLAND PRESERVATION AREA 'B' 3.29 AC.
N/F T.K. & J.L. PETERSON L. 6215 F. 481
NORTH
GRAPHIC SCALE
(IN FEET)
1 inch = 30 ft.

M-NCPPC
Prince George's County Planning Department
Environmental Planning Section

APPROVAL

TREE CONSERVATION PLAN

TCPII /18 / 06 /

	Approved by	Date
	Lori Shirley	4/3/06
01		
02		
03		
04		
05		

LEGEND

FIELD LOCATED SPECIMEN TREE TO REMAIN	✺
FIELD LOCATED SPECIMEN TREE TO BE REMOVED	⊗
FOREST RETAINED (NON FCA)	Ⓐ
FOREST CLEARED	⚠ 1
AREA OF ROOT PRUNING REQUIRED	■
WOODLAND PRESERVATION AREAS SELECTIVE CLEARING	▨ ①
LIMITS OF DISTURBANCE	—— LOD ——
CRITICAL ROOT ZONE	—— CRZ ——
TREE PROTECTION FENCE & TREE PROTECTION SIGNAGE (SPACED 50' O.C.)	—●—
SPECIMEN TREE SIGNAGE	⊡

Bowman
CONSULTING

Bowman Consulting Group, Ltd.
2121 Eisenhower Avenue
Suite 302
Alexandria, Virginia 22314

Phone: (703) 548-2188
Fax: (703) 683-5781

www.bowmanconsulting.com

TREE CONSERVATION PLAN - TYPE II

GLENN DALE NORTH

BOWIE (14th) ELECTION DISTRICT PRINCE GEORGES COUNTY, MARYLAND

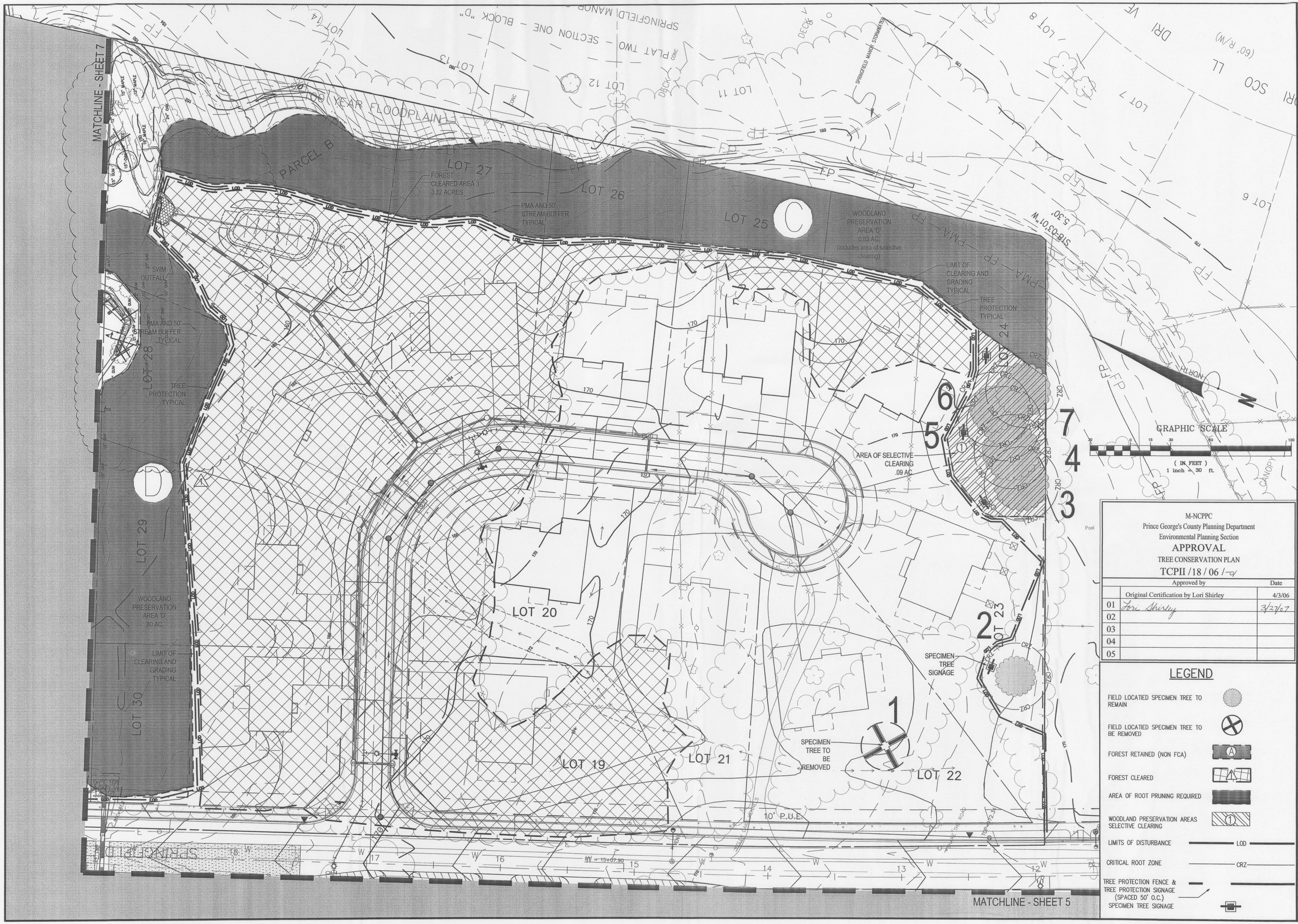
MD. NAT'L. CAP. PK. & PL. COMM.
PRINCE GEORGE'S COUNTY
RECEIVED
MAR 30 2006
COUNTYWIDE PLANNING DIVISION
ENVIRONMENTAL PLANNING SECTION

GREGORY C. LONG
No. 3162
3-30-06

PLAN STATUS	
3.10.06	RESUBMISSION
	PER 3.6.06 MEMO
3.30.06	RESUBMISSION
	PER 3.27.06 MEMO
	MYLAR SIGNATURE
	SET
DATE	DESCRIPTION

GCL DESIGN	GOG DRAWN	SD CHKD
SCALE	H: 30' V:	
JOB No.	2961-01-001	
DATE :	JANUARY, 2006	
FILE No.		
SHEET	5 OF 9	

Cad file name : C:\temp\BGPlot_2248\2961-01-001-FDP-TCP II.dwg



M-NCPPC
Prince George's County Planning Department
Environmental Planning Section

APPROVAL

TREE CONSERVATION PLAN

TCPII /18 / 06 /-01

	Approved by	Date
	Original Certification by Lori Shirley	4/3/06
01	Lori Shirley	3/27/07
02		
03		
04		
05		

LEGEND

FIELD LOCATIED SPECIMEN TREE TO REMAIN	●
FIELD LOCATIED SPECIMEN TREE TO BE REMOVED	⊗
FOREST RETAINED (NON FCA)	A
FOREST CLEARED	⚠
AREA OF ROOT PRUNING REQUIRED	■
WOODLAND PRESERVATION AREAS SELECTIVE CLEARING	①
LIMITS OF DISTURBANCE	— LOD —
CRITICAL ROOT ZONE	— CRZ —
TREE PROTECTION FENCE & TREE PROTECTION SIGNAGE (SPACED 50' O.C.)	— —
SPECIMEN TREE SIGNAGE	■

Bowman
CONSULTING

Bowman Consulting Group, Ltd.
2121 Eisenhower Avenue
Suite 302
Alexandria, Virginia 22314

Phone: (703) 548-2188
Fax: (703) 683-5781

www.bowmanconsulting.com

TREE CONSERVATION PLAN - TYPE II

GLENN DALE NORTH

BOWIE (14th) ELECTION DISTRICT
PRINCE GEORGES COUNTY, MARYLAND

GREGORY C. LONG
No. 3162
3.9.07

PLAN STATUS	
3.10.06	RESUBMISSION
	PER 3.6.06 MEMO
3.30.06	RESUBMISSION
	PER 3.27.06 MEMO
	MYLAR SIGNATURE
	SET
3.9.07	ADDENDUM #1
	REVISION PER
	STREAM VALLEY
	RESTORATION
DATE	DESCRIPTION

GCL DESIGN	GOG DRAWN	SD CHKD

SCALE H: 30' V:

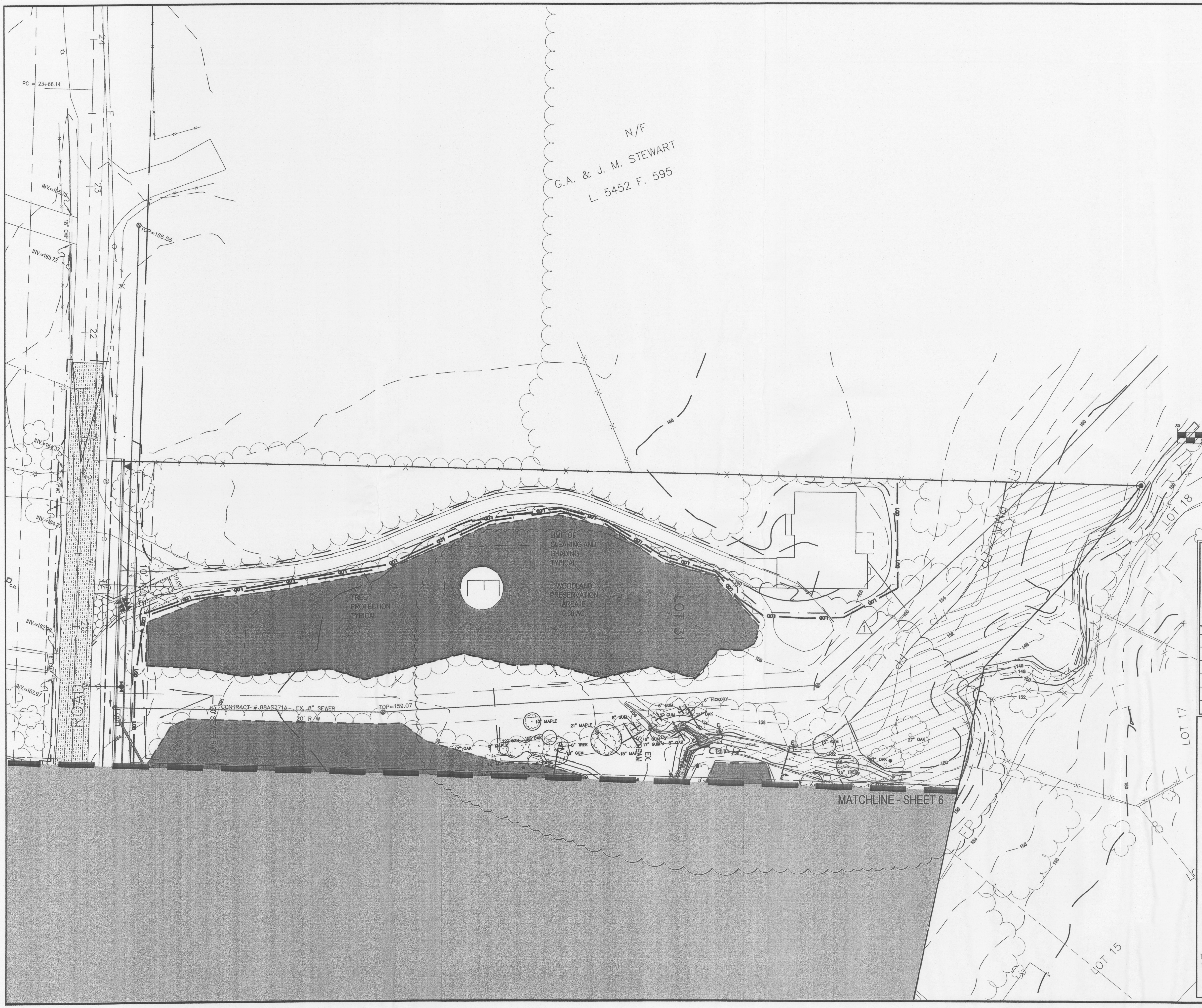
JOB No. 2961-01-001

DATE : JANUARY, 2006

FILE No.

SHEET 6 OF 9

Cad file name : P:\2961 - Glendale North\2961-01-004-Eng\Engineering\Eng Plans\2961-01-004-FDP-TCP II.dwg



M-NCPPC Prince George's County Planning Department Environmental Planning Section APPROVAL TREE CONSERVATION PLAN TCPII /18 / 06 / -01		
	Approved by	Date
	Original Certification by Lori Shirley	4/3/06
01	Lori Shirley	3/27/07
02		
03		
04		
05		

LEGEND

FIELD LOCATIED SPECIMEN TREE TO REMAIN	●
FIELD LOCATIED SPECIMEN TREE TO BE REMOVED	⊗
FOREST RETAINED (NON FCA)	Ⓐ
FOREST CLEARED	△1
AREA OF ROOT PRUNING REQUIRED	■
WOODLAND PRESERVATION AREAS SELECTIVE CLEARING	▨ ①
LIMITS OF DISTURBANCE	—— LOD ——
CRITICAL ROOT ZONE	—— CRZ ——
TREE PROTECTION FENCE & TREE PROTECTION SIGNAGE (SPACED 50' O.C.)	— ——
SPECIMEN TREE SIGNAGE	▣

Bowman
CONSULTING

Bowman Consulting Group, Ltd.
2121 Eisenhower Avenue
Suite 302
Alexandria, Virginia 22314

Phone: (703) 548-2188
Fax: (703) 683-5781

www.bowmanconsulting.com

TREE CONSERVATION PLAN - TYPE II

GLENN DALE NORTH

BOWIE (14th) ELECTION DISTRICT
PRINCE GEORGES COUNTY, MARYLAND

GREGORY C. LONG
No. 3162
3.9.07

PLAN STATUS	
3.10.06	RESUBMISSION
	PER 3.6.06 MEMO
3.30.06	RESUBMISSION
	PER 3.27.06 MEMO
	MYLAR SIGNATURE
	SET
3.9.07	ADDENDUM #1
	REVISION PER
	STREAM VALLEY
	RESTORATION
DATE	DESCRIPTION

GCL DESIGN	GOG DRAWN	SD CHKD

SCALE H: 30'
V:

JOB No. 2961-01-001

DATE : JANUARY, 2006

FILE No.

SHEET 7 OF 9

Cad file name : P:\2961 – Glendale North\2961–01–004–Eng\Engineering\Eng Plans\2961–01–004–FDP–TCP II.dwg

TREE CONSERVATION PLAN NOTES

1. CUTTING OR CLEARING OF WOODLAND NOT IN COMPLIANCE WITH THIS PLAN OR WITHOUT THE EXPRESS WRITTEN CONSENT OF THE PLANNING DIRECTOR OR DESIGNEE SHALL BE SUBJECT TO A $1.50 PER SQUARE FOOT MITIGATION FEE.

2. THE DEPARTMENT OF ENVIRONMENT RESOURCES (DER) SITE DEVELOPMENT INSPECTOR MUST BE CONTACTED AT (301) 883-5390 PRIOR TO THE START OF ANY WORK ON THE SITE, TO ADDRESS IMPLEMENTATION OF ANY WORK ON THE TREE CONSERVATION MEASURES SHOWN ON THIS PLAN.

3. PROPERTY OWNERS SHALL BE NOTIFIED BY THE DEVELOPER OR CONTRACTOR OF ANY WOODLAND CONSERVATION AREAS (TREE CONSERVATION, REFORESTATION, AFFORESTATION OR SELECTIVE CLEARING AREAS) LOCATED ON THEIR LOT OR PARCEL OF LAND AND THE ASSOCIATED FINES FOR UNAUTHORIZED DISTURBANCES TO THESE AREAS. UPON THE SALE OF THE PROPERTY, THE OWNER/DEVELOPER OR OWNER'S REPRESENTATIVE SHALL NOTIFY THE PURCHASER OF THE PROPERTY OF ANY WOODLAND CONSERVATION AREAS.

4. ALL APPROPRIATE BONDS SHALL BE POSTED WITH THE BUILDING OFFICIAL PRIOR TO THE ISSUANCE OF ANY PERMITS. THESE BONDS WILL BE RETAINED AS SURETY BY THE BUILDING OFFICIAL UNIT THAT ALL REQUIRED ACTIVITIES HAVE BEEN SATISFIED.

5. THE LOCATION OF ALL TREE PROTECTION DEVICES (TPD'S) SHOWN ON THIS PLAN SHALL BE FLAGGED OR STAKED IN THE FIELD PROPER TO THE PRE-CONSTRUCTION MEETING WITH THE SITE DEVELOPMENT INSPECTOR OF DER AND THE SEDIMENT AND EROSION CONTROL INSPECTOR FROM DER AND UPON APPROVAL OF THE FLAGGED OR STAKED TPD LOCATIONS BY THE DER SITE DEVELOPMENT INSPECTOR, INSTALLATION OF THE TPD'S MAY BEGIN. TPD INSTALLATION SHALL BE COMPLETED PRIOR TO THE INSTALLATION OF INITIAL SEDIMENT CONTROLS. NO CUTTING OR CLEARING OF TREES MAY BEGIN BEFORE FINAL APPROVAL OF TPD INSTALLATION.

6. WOODLAND CONSERVATION - TREE SAVE ARE AND/OR REFORESTATION AREAS SHALL BE POSTED AS SHOWN AT THE SAME TIME AS TREE PROTECTION DEVICE INSTALLATION AND/OR START OF REFORESTATION ACTIVITIES. THESE SIGNS SHALL REMAIN IN PLACE.

WOODLAND CONSERVATION AREA MANAGEMENT NOTES

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 DEPARTMENT OF ENVIRONMENTAL RESOURCES AS DEAD, DYING, OR HAZARDOUS MAY BE REMOVED.

1. A TREE CONSIDERED HAZARDOUS IF A CONDITION IS PRESENT WHICH LEADS A LICENSED ARBORIST OR A 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.

2. IF A HAZARDOUS CONDITION MAY BE ALLEVIATED BY CORRECTIVE PRUNING, THE LICENSED ARBORIST OR A LICENSED TREE EXPERT MAY PROCEED WITHOUT FURTHER AUTHORIZATION. THE PRUNING MUST BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE ANSI A300 PRUNING STANDARDS ("TREE, SHRUB, AND OTHER WOODY PLANT MAINTENANCE STANDARD PRACTICES").

3. CORRECTIVE MEASURES REQUIRING THE REMOVAL OF THE HAZARDOUS TREE OR PORTIONS THEREOF SHALL REQUIRE AUTHORIZATION BY THE BUILDING OR GRADING INSPECTOR IF THERE IS A VALID GRADING OR BUILDING PERMIT FOR THE SUBJECT LOTS OR PARCELS ON WHICH THE TREES ARE LOCATED. ONLY AFTER APPROVAL OF THE APPROPRIATE INSPECTOR MAY THE TREE BE CUT BY CHAIN SAW TO NEAR THE EXISTING GROUND LEVEL. THE STUMP MAY NOT BE REMOVED OR COVERED WITH SOIL, MULCH OR OTHER MATERIALS THAT WOULD INHIBIT SPROUTING.

4. 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 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.

REMOVAL OF HAZARDOUS TREES, HAZARDOUS LIMBS, NOXIOUS PLANTS, INVASIVE PLANTS OR NON-NATIVE PLANTS IN WOODLAND CONSERVATION AREAS OWNED BY INDIVIDUAL HOMEOWNERS

1. IF THE DEVELOPER OR BUILDER NO LONGER HAS AN INTEREST IN THE PROPERTY THE HOME OWNER SHALL OBTAIN A WRITTEN STATEMENT FROM THE LICENSED ARBORIST OR LICENSED TREE EXPERT IDENTIFYING THE HAZARDOUS CONDITION AND THE PROPOSED CORRECTIVE MEASURES PRIOR TO HAVING THE WORK CONDUCTED. THE TREE MAY THEN BE REMOVED BY THE ARBORIST OR TREE EXPERT. 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.

2. THE REMOVAL OF NOXIOUS, INVASIVE, AND NON-NATIVES PLANT SPECIES FROM THE WOODLAND CONSERVATION AREAS MAY BE DONE WITH THE USE OF HAND-HELD EQUIPMENT ONLY SUCH AS PRUNERS OR A CHAIN SAW. THESE PLANTS MAY BE CUT NEAR THE GROUND AND THE 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.

3. THE USE OF BROADCAST SPRAYING OF HERBICIDES IN 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.

4. THE USE OF CHAIN SAWS 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.

WOODLAND AREAS NOT COUNTED AS PART OF THE WOODLAND CONSERVATION REQUIREMENTS

1. A REVISED TREE CONSERVATION PLAN IS REQUIRED PRIOR TO CLEARING ANY WOODLAND AREA WHICH IS NOT SPECIFICALLY IDENTIFIED TO BE CLEARED ON THE MOST RECENTLY APPROVED TYPE II TREE CONSERVATION (TCP) ON FILE IN THE OFFICE OF THE M-NCPPC, ENVIRONMENTAL PLANNING SECTION LOCATED ON THE 4TH FLOOR OF THE COUNTY ADMINISTRATION BUILDING AT 14741 GOVERNOR ODEN BOWIE DRIVE, UPPER MARLBORO, MARYLAND 20772, PHONE 301-952-3650. ADDITIONAL MITIGATION WILL BE REQUIRED FOR THE CLEARING OF ALL WOODLANDS BEYOND THAT REFLECTED ON THE APPROVED PLANS. ALTHOUGH CLEARING MAY BE ALLOWED, IT MAY BE SUBJECT TO ADDITIONAL REPLACEMENT REQUIREMENTS, MITIGATION, AND FEES WHICH MUST BE REFLECTED ON TCP REVISIONS APPROVED BY THE M-NCPPC ENVIRONMENTAL PLANNING SECTION.

2. HOMEOWNERS OR PROPERTY OWNERS MAY REMOVED TREES LESS THAN TWO (2) INCHES DIAMETER, SHRUBS, AND VINES IN WOODLAND AREAS WHICH ARE SAVED BUT NOT PART OF THE WOODLAND CONSERVATION REQUIREMENTS AFTER ALL PERMITS HAVE BEEN RELEASED FOR THE SUBJECT PROPERTY. THIS AREA MAY NOT BE TILLED OR HAVE OTHER GROUND DISTURBANCES WHICH WOULD RESULT IN DAMAGE TO THE TREE ROOTS. RAKING THE LEAVES AND OVER SEEDING WITH NATIVE GRASSES, NATIVE FLOWERS OR NATIVE GROUND COVERS IS ACCEPTABLE. SEEDING WITH INVASIVE GRASSES INCLUDING ANY VARIETY OF KENTUCKY 31 FESCUE IS NOT ACCEPTABLE.

TCP II TABULATION

▭	FOREST CLEARED	△1	12.50 AC
		△2	.16 AC
		△3	3.26 AC
		TOTAL	15.92 AC
▨	WOODLAND PRESERVATION AREAS SELECTIVE CLEARING	①	0.09 AC
		TOTAL	0.09 AC
▦	FOREST RETAINED (NON FCA)	Ⓐ	7.46 AC
		Ⓑ	3.29 AC
		Ⓒ	.83 AC
		Ⓓ	1.00 AC
		Ⓔ	0.67 AC
		TOTAL	13.25 AC

NOTES:

1. THE BREAK-EVEN POINT (PRESERVATION ACRES) THAT IS REQUIRED FOR THIS SITE IS 12.61 ACRES. THE EXISTING WOODLAND LOCATED ON SITE IS 29.28 ACRES OF WHICH .09 ACRES TO BE PRESERVED WTIH SELECTIVE CLEARING AND 15.92 ACRES WILL BE CLEARED FOR DEVELOPMENT. THERE WILL BE NO REFORESTED OR AFFORESTED.

M-NCPPC
Prince George's County Planning Department
Environmental Planning Section
APPROVAL
TREE CONSERVATION PLAN
TCPII /18 / 06 /

	Approved by	Date
	Lori Shirley	4/3/06
01		
02		
03		
04		
05		

Bowman
C O N S U L T I N G

Bowman Consulting Group, Ltd.
2121 Eisenhower Avenue
Suite 302
Alexandria, Virginia 22314

Phone: (703) 548-2188
Fax: (703) 683-5781

www.bowmanconsulting.com

TREE CONSERVATION PLAN - TYPE II NOTES

GLENN DALE NORTH

BOWIE (14th) ELECTION DISTRICT PRINCE GEORGES COUNTY, MARYLAND

MD. NAT'L. CAP. PK. & PL. COMM
PRINCE GEORGE'S COUNTY
RECEIVED
MAR 30 2006
COUNTYWIDE PLANNING DIVISION
ENVIRONMENTAL PLANNING SECTION

GREGORY C. LONG
No. 3162
3.30.06

PLAN STATUS	
3.10.06	RESUBMISSION
	PER 3.6.06 MEMO
3.30.06	RESUBMISSION
	PER 3.27.06 MEMO
	MYLAR SIGNATURE
	SET
DATE	DESCRIPTION

GCL DESIGN	GOG DRAWN	SD CHKD

SCALE H: N/A
V:

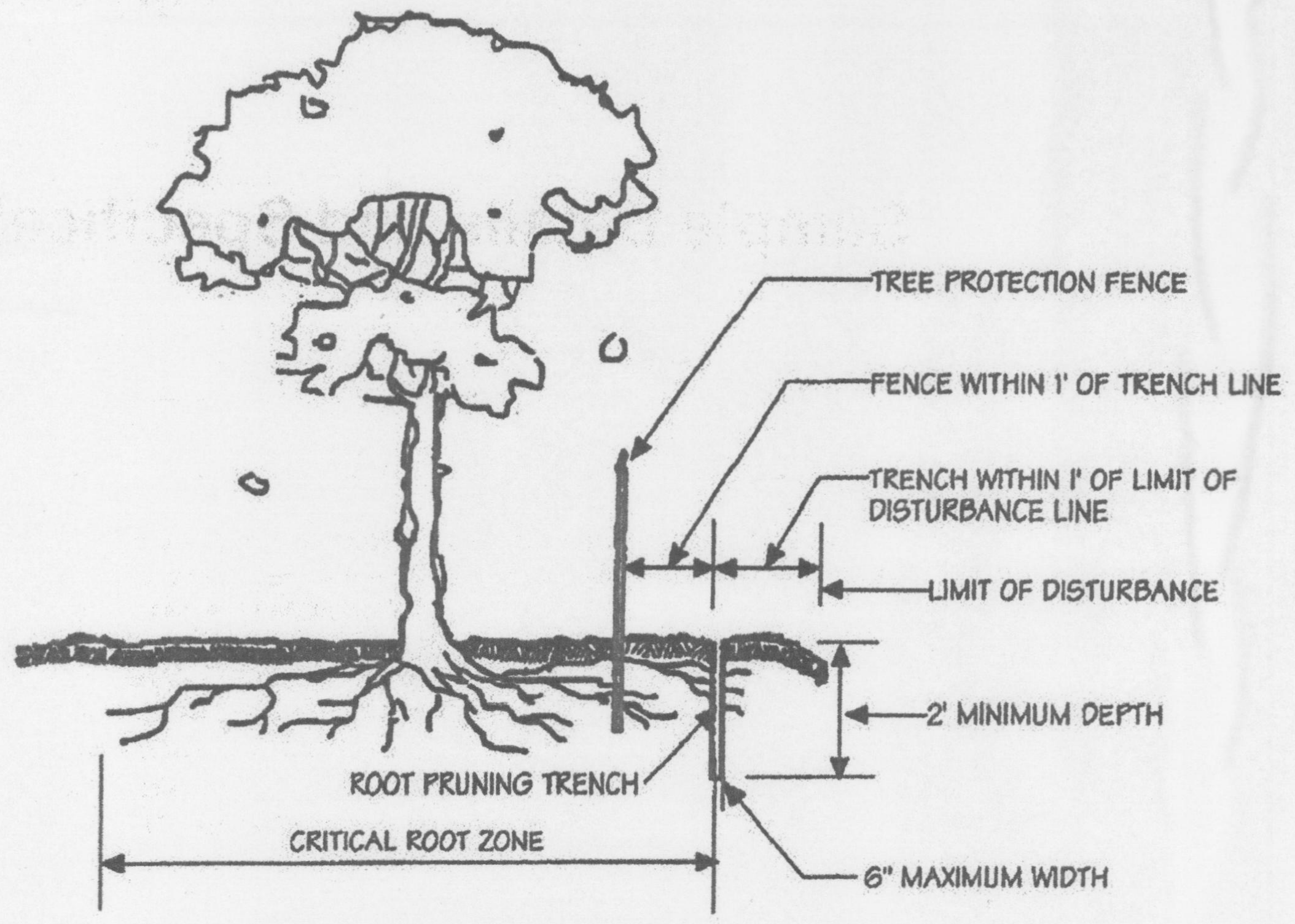
JOB No. 2961-01-001

DATE : JANUARY, 2006

FILE No.

SHEET 8 OF 9

Cad file name : C:\temp\BGPlot_2248\2961-01-001-FDP-TCP II NOTES AND DETAILS.dwg

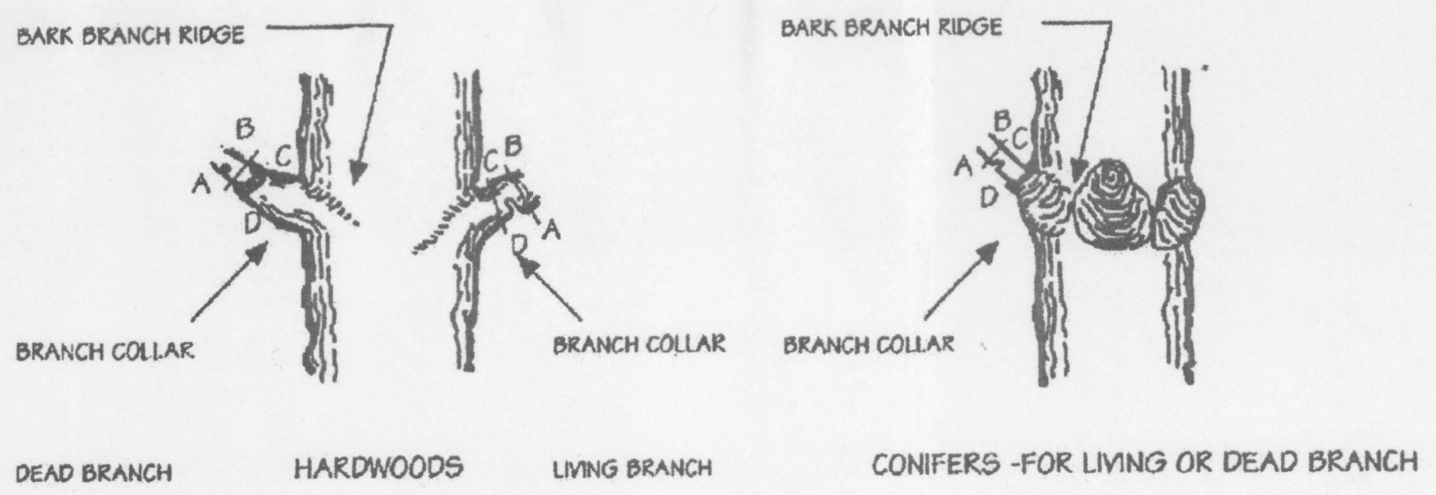


Notes:
1. Retention Areas to be established as part of the forest conservation plan review process.
2. Boundaries of Retention Areas to be staked, flagged and/or fenced prior to trenching.
3. Exact location of trench should be identified.
4. Trench should be immediately backfilled with soil removed or organic soil.
5. Roots should be cleanly cut using vibratory knife or other acceptable equipment.

1/9 ROOT PRUNING DETAIL

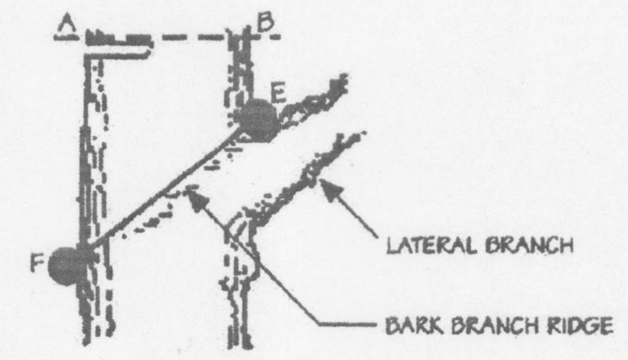
SECTION — 08-001G — NTS

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.

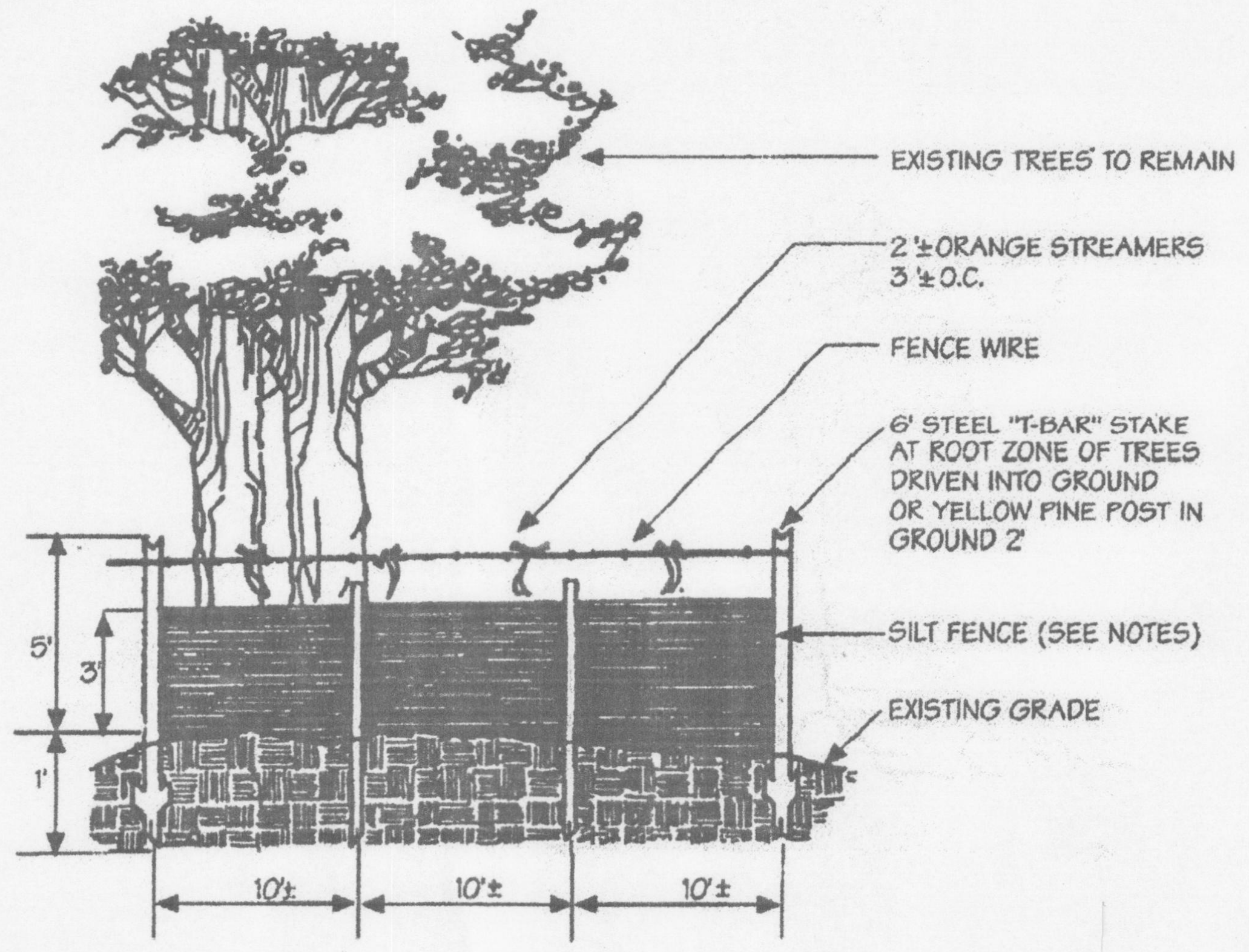
Pruning a Leader to Reduce Size



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.

3/9 TREE PRUNING DETAIL

SECTION — 08-001G — NTS

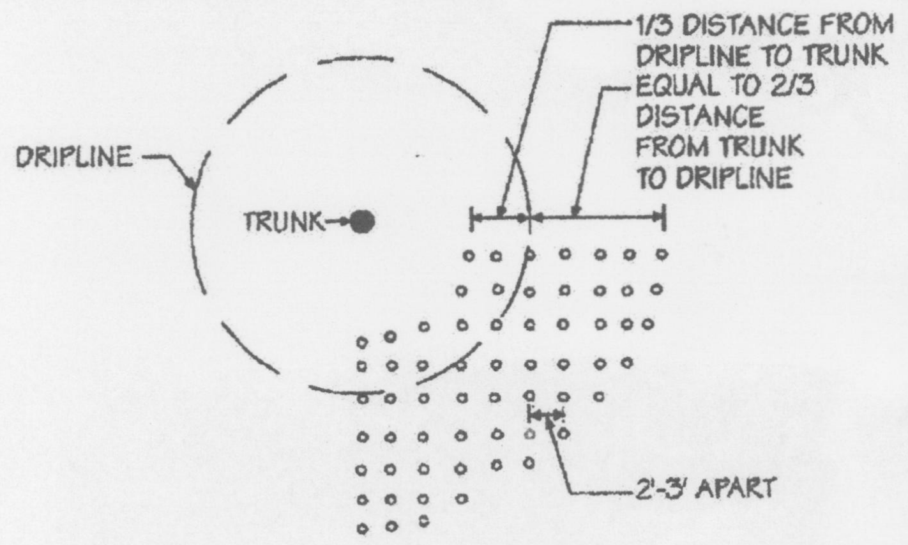

EXISTING TREES TO REMAIN
2'± ORANGE STREAMERS 3'± O.C.
FENCE WIRE
6' STEEL "T-BAR" STAKE AT ROOT ZONE OF TREES DRIVEN INTO GROUND OR YELLOW PINE POST IN GROUND 2'
SILT FENCE (SEE NOTES)
EXISTING GRADE
5'
3'
1'
10'±
10'±
10'±

NOTES:
1. LIMITS OF DISTURBANCE WILL BE SET AS PART OF THE REVIEW PROCESS FOR AN APPROVED TCP.
2. THE BOUNDARIES OF THE LIMITS OF DISTURBANCE SHOULD BE STAKED AND FLAGGED PRIOR TO ERECTING THE PROTECTIVE DEVICE.
3. ANCHOR POSTS SHOULD BE PLACED TO AVOID SEVERING OR DAMAGING LARGE TREE ROOTS.
4. FENCING MATERIAL SHOULD BE FASTENED SECURELY TO THE ANCHOR POSTS.

5/9 SILT FENCE AND TREE PROTECTION

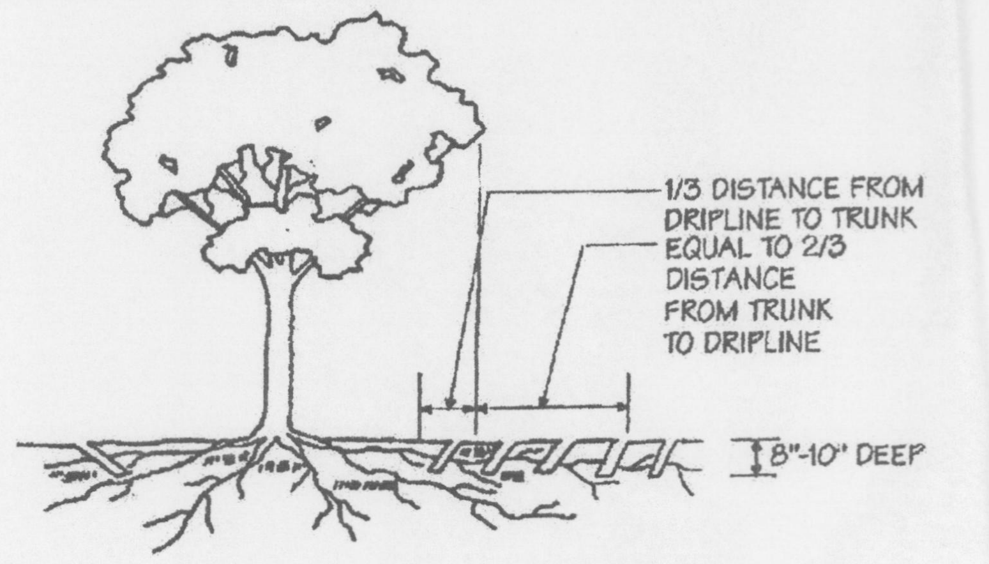
ELEVATION — 08-008G — NTS

Vertical Mulching or Fertilizing


1/3 DISTANCE FROM DRIPLINE TO TRUNK
EQUAL TO 2/3 DISTANCE FROM TRUNK TO DRIPLINE
DRIPLINE
TRUNK
2'-3' APART

Notes:
1. Auger holes 8"-10" deep, 2'-3' apart, 1"-3" wide.
2. Leave soil on ground.
3. Apply fertilizer 1/3 distance in from dripline to trunk.
4. Fertilize with 50/50 compost and pine fines.

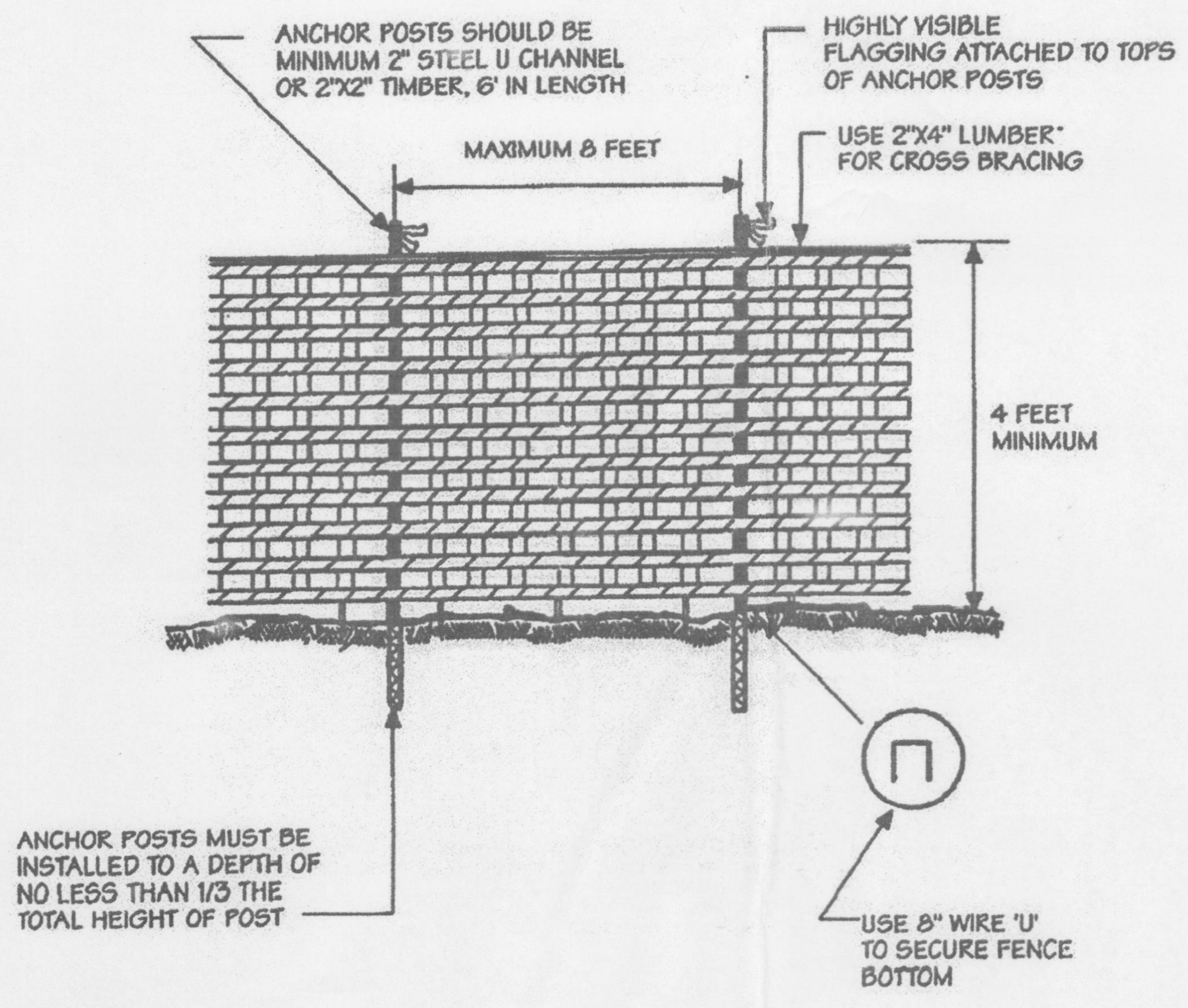
Application of Fertilizer by Injection


1/3 DISTANCE FROM DRIPLINE TO TRUNK
EQUAL TO 2/3 DISTANCE FROM TRUNK TO DRIPLINE
8"-10" DEEP

Notes:
1. Injection holes to be 8"-10" deep, 2'-3' apart.
2. Auger holes, do not poke. Leave soil on ground.
3. Apply fertilizer 1/3 distance in from dripline to trunk and extend 2/3 out from dripline.

2/9 FERTILIZER APPLICATION

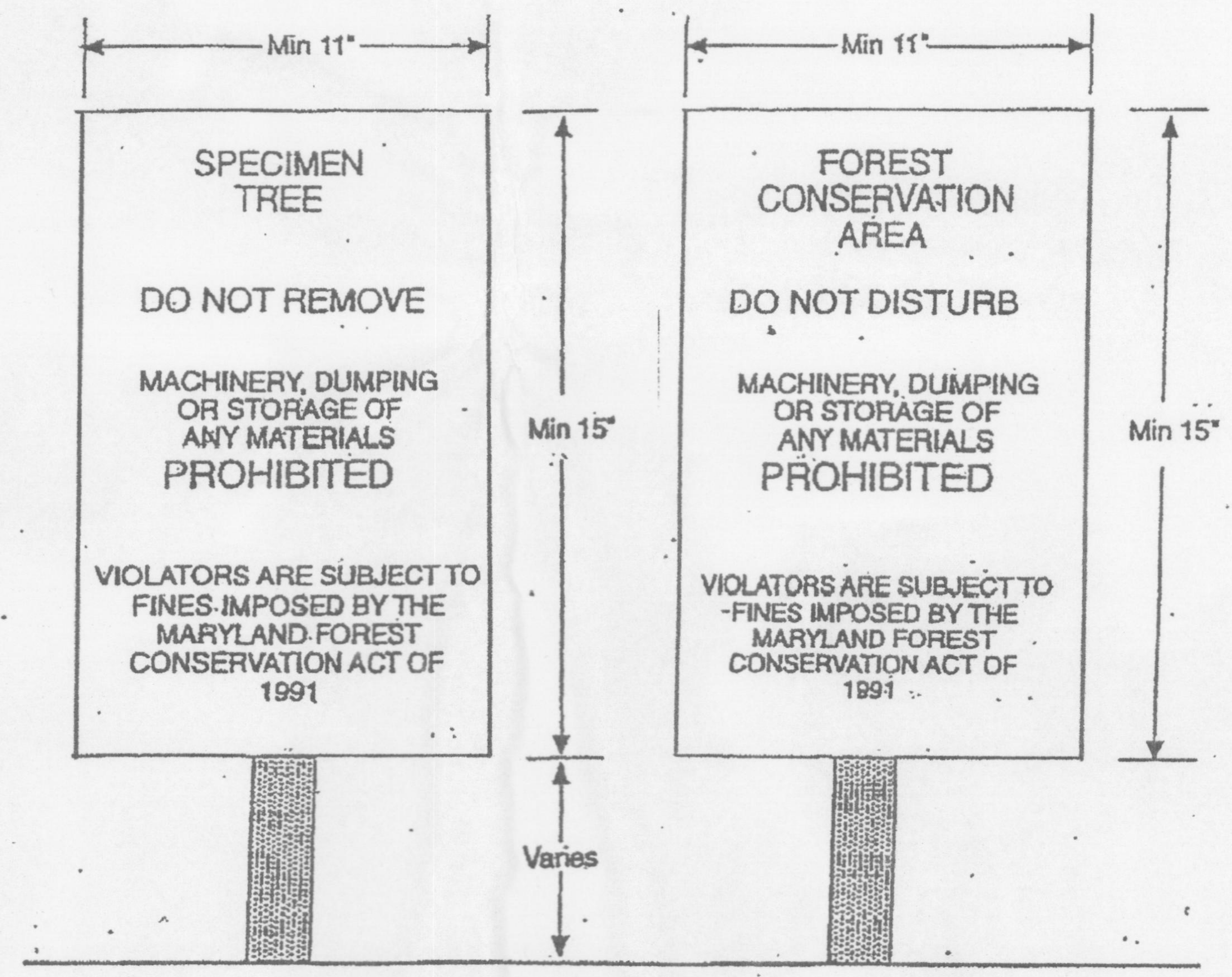
PLAN/SECTION — 08-003G


ANCHOR POSTS SHOULD BE MINIMUM 2" STEEL U CHANNEL OR 2"X2" TIMBER, 6' IN LENGTH
HIGHLY VISIBLE FLAGGING ATTACHED TO TOPS OF ANCHOR POSTS
MAXIMUM 8 FEET
USE 2"X4" LUMBER FOR CROSS BRACING
4 FEET MINIMUM
ANCHOR POSTS MUST BE INSTALLED TO A DEPTH OF NO LESS THAN 1/3 THE TOTAL HEIGHT OF POST
USE 8" WIRE 'U' TO SECURE FENCE BOTTOM

NOTES:
1. LIMITS OF DISTURBANCE WILL BE SET AS PART OF THE REVIEW PROCESS FOR AN APPROVED TCP.
2. THE BOUNDARIES OF THE LIMITS OF DISTURBANCE SHOULD BE STAKED AND FLAGGED PRIOR TO ERECTING THE PROTECTIVE DEVICE.
3. ANCHOR POSTS SHOULD BE PLACED TO AVOID SEVERING OR DAMAGING LARGE TREE ROOTS.
4. FENCING MATERIAL SHOULD BE FASTENED SECURELY TO THE ANCHOR POSTS, CROSS BRACING, AND GROUND.

4/9 WIRE TREE PROTECTION

ELEVATION — 08-006G — NTS


Min 11"
SPECIMEN TREE
DO NOT REMOVE
MACHINERY, DUMPING OR STORAGE OF ANY MATERIALS
PROHIBITED
VIOLATORS ARE SUBJECT TO FINES IMPOSED BY THE MARYLAND FOREST CONSERVATION ACT OF 1991
Min 15"
Varies
Min 11"
FOREST CONSERVATION AREA
DO NOT DISTURB
MACHINERY, DUMPING OR STORAGE OF ANY MATERIALS
PROHIBITED
VIOLATORS ARE SUBJECT TO FINES IMPOSED BY THE MARYLAND FOREST CONSERVATION ACT OF 1991
Min 15"

Notes:
1. Bottom of signs to be higher than top of tree protection fence.
2. Signs to be placed approximately 50' feet apart. Conditions on site affecting visibility may warrant placing signs closer or farther apart.
3. Attachment of signs to trees is prohibited.

6/9 CONSTRUCTION SIGNS

ELEVATION — 08-009G — NTS

M-NCPPC
Prince George's County Planning Department
Environmental Planning Section
APPROVAL
TREE CONSERVATION PLAN
TCPII /18 / 06 /

	Approved by	Date
	Lori Shirley	4/3/06
01		
02		
03		
04		
05		

Bowman
CONSULTING

Bowman Consulting Group, Ltd.
2121 Eisenhower Avenue
Suite 302
Alexandria, Virginia 22314

Phone: (703) 548-2188
Fax: (703) 683-5781

www.bowmanconsulting.com

TREE CONSERVATION PLAN- TYPE II DETAILS
GLENN DALE NORTH
BOWIE (14th) ELECTION DISTRICT
PRINCE GEORGES COUNTY, MARYLAND

MD. NAT'L. CAP. PK. & PL. COMM.
PRINCE GEORGE'S COUNTY
RECEIVED
MAR 30 2006
COUNTYWIDE PLANNING DIVISION
ENVIRONMENTAL PLANNING SECTION

GREGORY C. LONG
No. 3[illegible]62
3.30.06

PLAN STATUS	
3.10.06	RESUBMISSION
	PER 3.6.06 MEMO
3.30.06	RESUBMISSION
	PER 3.27.06 MEMO
	MYLAR SIGNATURE
	SET
DATE	DESCRIPTION

GCL DESIGN	G1061	SD CHKD

SCALE H: V: N/A
JOB No. 2961-01-001
DATE : JANUARY, 2006
FILE No.
SHEET 9 OF 9

Cad file name : C:\temp\BGPlot_2248\2961-01-001-FDP-TCP II NOTES AND DETAILS.dwg