

LEGEND

- INDIVIDUAL TREE <24"
- 30"+ DBH TREE REQ. VARIANCE
- ⊕ SIGNIFICANT TREE 24" and Greater
- ⊕ SPECIMEN TREE 30" and Greater
- ⊕ COUNTY CHAMPION TREES
- ⊕ (CRZ) CRITICAL ROOT ZONE
- TREE TO BE REMOVED
- EX. TREE STAND
- ▨ EX. FOREST BASED ON APPROVED NRI/FSD 4-94149
- ▨ FOREST WITHIN DETAILED STUDY AREA
- ▨ EX. FLOODPLAIN
- ▨ FLOODPLAIN BRL
- ▨ STREAM BUFFER
- ▨ LAKE OR STREAM LINE
- ▨ WETLAND BUFFER
- ▨ LIMITS OF DETAIL STUDY AREA
- ▨ LIMITS OF DISTURBANCE
- ▨ FS FILTER SOCK
- ▨ TPF TREE PROTECTION FENCE
- ▨ RP ROOT PRUNING
- ▨ FOREST TO BE CLEARED
- ▨ PLAZA/PAVER
- ▨ ASPHALT SURFACE
- ▨ PERMEABLE SURFACE
- ▨ PROPOSED SIDEWALK
- ▨ ENHANCED FILTER AREAS
- ▨ PROPOSED WALK PER FCP#95001
- ▨ 420 EXISTING CONTOURS
- ▨ 420 PROPOSED CONTOURS

SEE SHEET 3 FOR TREES TO BE PROTECTED TABLE

SHEET INDEX
FCP
 1. Plan View Within Study Area
 2. Site General View
 3. Details

THE MARYLAND-NATIONAL CAPITAL PARK AND PLANNING COMMISSION
FOREST CONSERVATION PLAN
 SUBMITTED FOR PLANNING BOARD APPROVAL

Plan No. PP1935001
 Signature _____ Date 6/1/2011

Arborist Tree Save Recommendation Note:
 For all significant trees with CRZ of 1/3 or more impacted by the proposed LOD located on this plan that are not called for removal will be saved using tree protection planning for trunk protection, above grade paving practice (see sheet 3 for detail) to protect and minimize root disturbance, and root pruning practice only if necessary. In addition, use filter sock in lieu of silt fence for sediment control practice. Contractor to include matting for root protection for all trees along the southern edge of LOD.

TREE MITIGATION PLANTING NOTE:
 A minimum of eighteen (18) 2" caliper native canopy trees must be included in the final forest conservation planting plan to mitigate for impacts to existing specimen trees.

Provide Root Pruning in CRZ's along southern LOD as shown
 Limits of Detailed Study Area

LANDSCAPE ARCHITECT CERTIFICATE:
 I hereby certify that this plan is prepared in accordance with Montgomery County Forest Conservation Regulations.
 James M. Felchuk, RLA
 Registered Landscape Architect
 MD #3241
 3/0/2011 Date

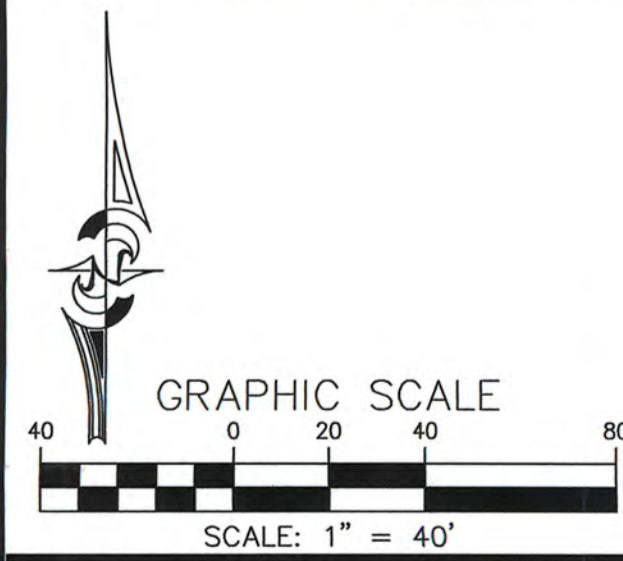


CPJ Associates
CPJ Environmental Services Division
 STREAM RESTORATION - STORMWATER MANAGEMENT INSPECTION
 910 CLOPPER ROAD SUITE 25N GAITHERSBURG MARYLAND 20878
 Phone: (301) 208-9573 E-mail: env@cpja.com Fax: (301) 926-4551
 SILVER SPRING, MD FREDERICK, MD FAIRFAX, VA

ARBORIST CERTIFICATE
 I certify that I have reviewed the project and concur with the proposed tree save plan.
 Colter Burkes
 Certification # MA-4406A
 Date 3/16/11

MONTGOMERY COUNTY DEPT OF PERMITTING SERVICES APPROVED FOR:		
Stormwater Management:	Sediment Control Technical Requirements	Administrative Requirements:
Reviewed _____ Date _____	Reviewed _____ Date _____	Reviewed _____ Date _____
Approved _____ Date _____	Approved _____ Date _____	Approved _____ Date _____

NOTE: MCDPS APPROVAL DOES NOT NEGATE THE NEED OF A MCDPS ACCESS PERMIT.
 MCDPS APPROVAL OF THIS PLAN WILL EXPIRE ONE YEAR FROM THE DATE OF APPROVAL IF THE PROJECT HAS NOT STARTED UNLESS THE PERMIT HAS BEEN EXTENDED.



design	review and approval
Charles P. Johnson - JMF landscape architect 03-2011 date	park development division date
NA architect date	central maintenance date
engineer date	region date
Charles P. Johnson - HT drawn by 03-2011 date	natural resources date

review and approval
superintendent of parks date
park police date
_____ date
_____ date
_____ date

review and approval
_____ date
_____ date
_____ date
_____ date

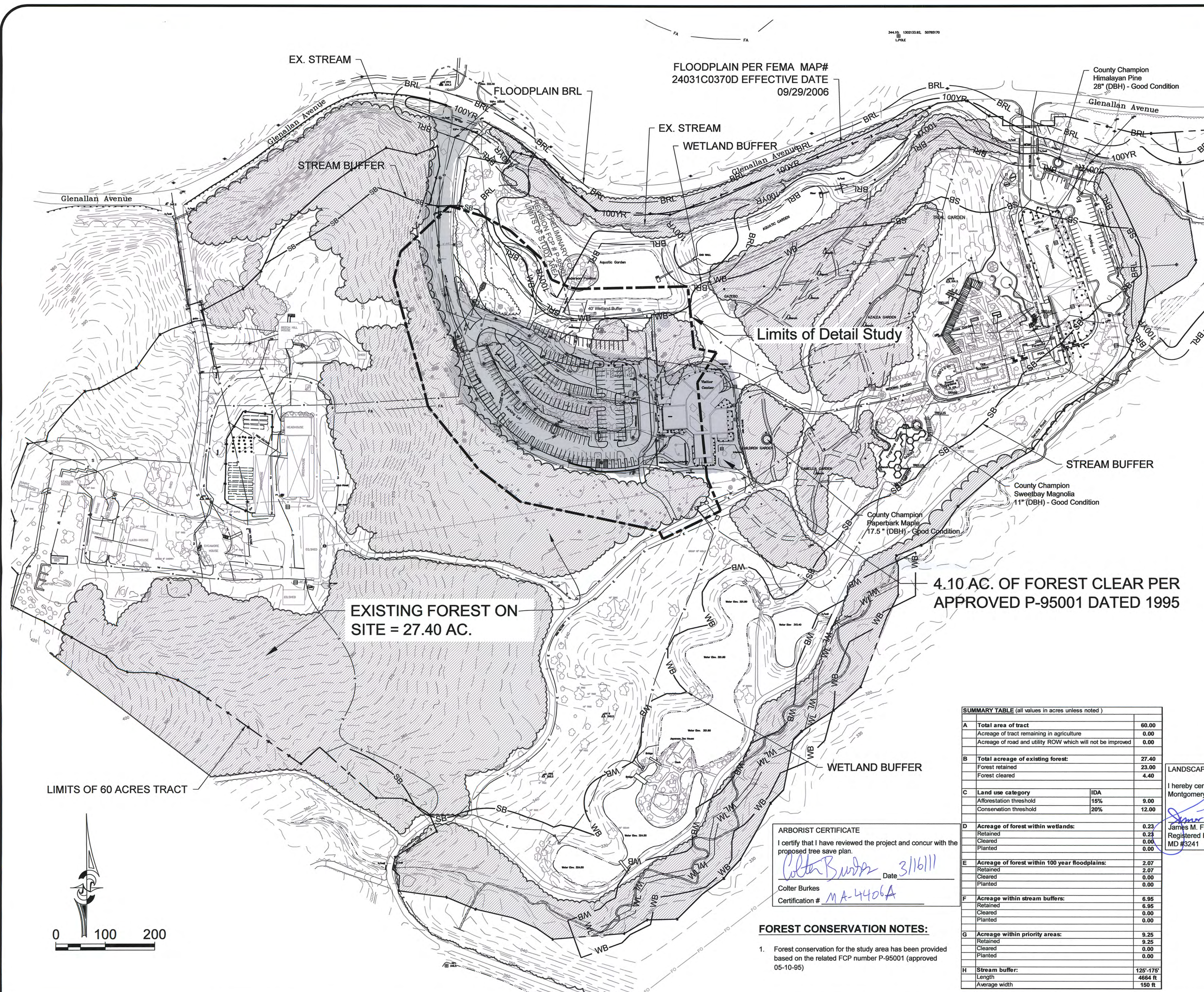
The Maryland-National Capital Park and Planning Commission
 9500 Brunett Avenue
 Silver Spring, Maryland 20901
 Montgomery County Department of Parks
 (301) 495-2535

rev. no.	date	description

project
Wheaton Regional Park
Brookside Gardens
REVISED PRELIMINARY FOREST CONSERVATION PLAN #P-95001 FOR STUDY AREA
 scale: As Indicated
 Sheet 1 of 3

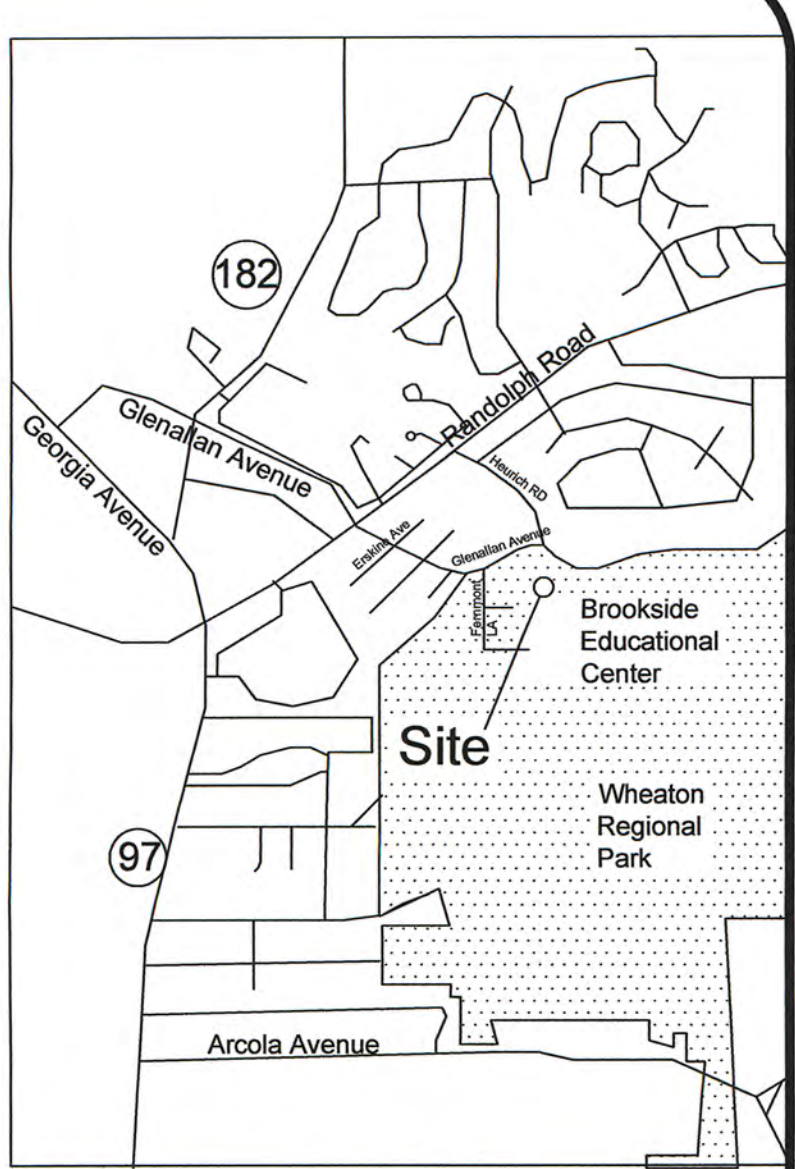
Montgomery County RECEIVED MAY 31 2011 Planning Department

Printed: May 31, 2011 8:23am User: h2a
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 Xref: 24630118.dwg
 FCP User: NEV.dwg



LEGEND

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- EX. FOREST BASED ON APPROVED NRI/FSD 4-94149
- COUNTY CHAMPION TREES
- EX. FLOODPLAIN
- FLOODPLAIN BRL
- STREAM BUFFER
- LAKE OR STREAM LINE
- WETLAND
- WETLAND BUFFER
- LIMITS OF DETAILED STUDY (See Sheet 1)
- APPROVED CLEARED FOREST PER FCP P-95001
- 420 EXISTING CONTOURS



ADC Vicinity Map
Montgomery, MD
33rd Edition Map 34 J11,
Approximate Scale: 1" = 2000'
Copyright ADC The Map People
Permitted Use Number: 20903121

**THE MARYLAND-NATIONAL CAPITAL
PARK AND PLANNING COMMISSION**

**FOREST CONSERVATION PLAN
SUBMITTED FOR PLANNING BOARD
APPROVAL**

Plan No. PP1995001

Signature _____ Date 6/1/2011

Project: Brookside Gardens Parking

Significant Trees Within The Limits of Study With DBH (P-24*)

ID	Common Name	Scientific Name	DBH (in.)	CRZ (ft.)	Condition	Remove?	Notes
21	Tulip Poplar	Liriodendron tulipifera	28	42	Fair	Yes	Dead Branches
28	Tulip Poplar	Liriodendron tulipifera	28	42	Fair	Yes	Dead Branches
45	Tulip Poplar	Liriodendron tulipifera	24	36	Fair	Yes	Dead Branches
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4.10 AC. OF FOREST CLEAR PER APPROVED P-95001 DATED 1995

EXISTING FOREST ON SITE = 27.40 AC.

SUMMARY TABLE (all values in acres unless noted)

Category	Value	
A Total area of tract	60.00	
Acreage of tract remaining in agriculture	0.00	
Acreage of road and utility ROW which will not be improved	0.00	
B Total acreage of existing forest:	27.40	
Forest retained	23.00	
Forest cleared	4.40	
C Land use category	IDA	
Afforestation threshold	15%	9.00
Conservation threshold	20%	12.00
D Acreage of forest within wetlands:	0.23	
Retained	0.23	
Cleared	0.00	
Planted	0.00	
E Acreage of forest within 100 year floodplains:	2.07	
Retained	2.07	
Cleared	0.00	
Planted	0.00	
F Acreage within stream buffers:	6.95	
Retained	6.95	
Cleared	0.00	
Planted	0.00	
G Acreage within priority areas:	9.25	
Retained	9.25	
Cleared	0.00	
Planted	0.00	
H Stream buffer:	125'-175'	
Length	4664 ft	
Average width	150 ft	

ARBORIST CERTIFICATE
I certify that I have reviewed the project and concur with the proposed tree save plan.
Colter Burkes Date 3/16/11
Colter Burkes
Certification # MA-4406A

FOREST CONSERVATION NOTES:
1. Forest conservation for the study area has been provided based on the related FCP number P-95001 (approved 05-10-95)

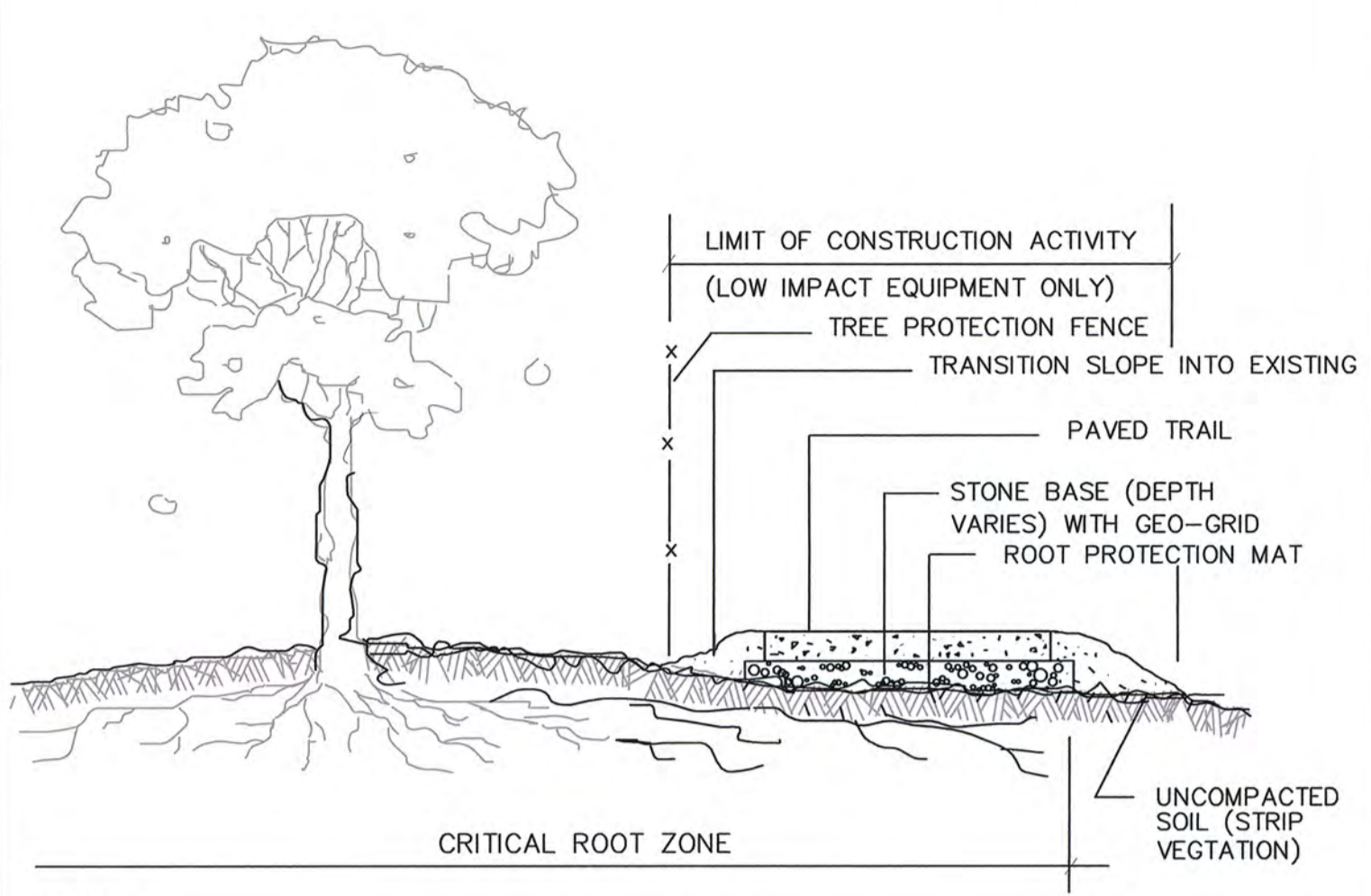
LANDSCAPE ARCHITECT CERTIFICATE:
I hereby certify that this plan is prepared in accordance with Montgomery County Forest Conservation Regulations.
James M. Felch Date 3/16/11
James M. Felch, RLA
Registered Landscape Architect
MD #3241

MONTGOMERY COUNTY DEPT OF PERMITTING SERVICES APPROVED FOR:

||
||
||

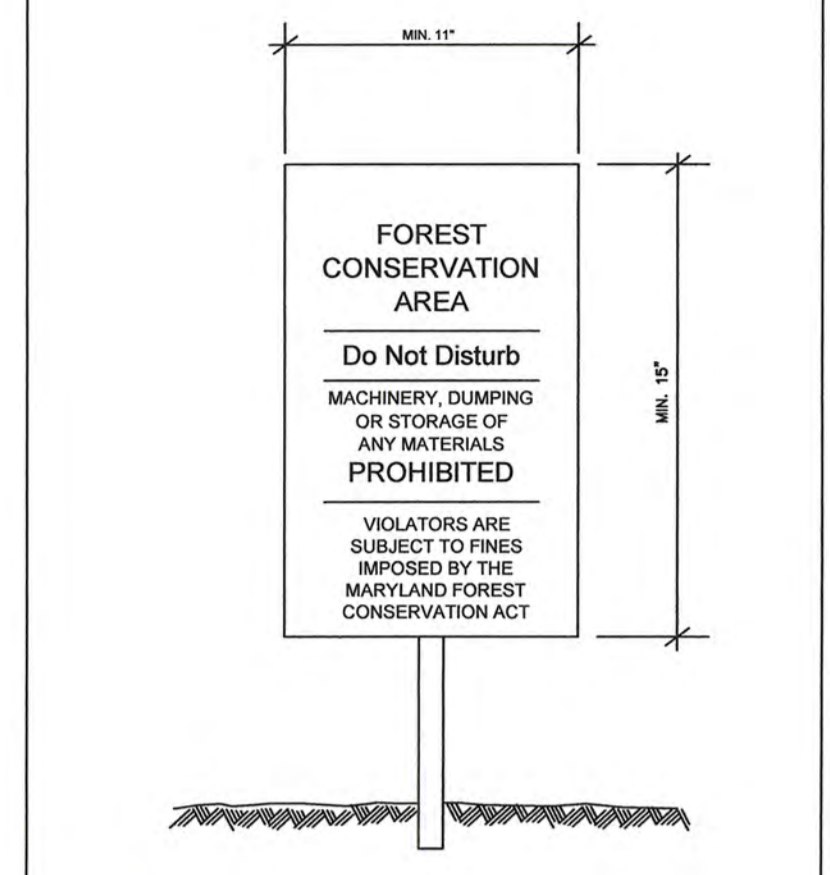
FOREST CONSERVATION WORKSHEET						
Update Brookside Gardens Visitor Entrance Gate For Visitor's Center Parking Expansion						
NET TRACT AREA: worksheet updated 9/5/2002						
A. Total tract area ...					60.00	
B. Land dedication acres (parks, county facility, etc.) ...					0.00	
C. Land dedication for roads or utilities (not being constructed by this plan) ...					0.00	
D. Area to remain in commercial agricultural production/use ...					0.00	
E. Other deductions (specify) ...					0.00	
F. Net Tract Area ...					60.00	
LAND USE CATEGORY: (from Trees Technical Manual)						
Input the number "1" under the appropriate land use, limit to only one entry.						
	ARA	MDR	IDA	HDR	MPD	CIA
	0	0	1	0	0	0
G. Afforestation Threshold ...					15%	x F = 9.00
H. Conservation Threshold ...					20%	x F = 12.00
EXISTING FOREST COVER:						
I. Existing forest cover ...						27.40
J. Area of forest above afforestation threshold ...						18.40
K. Area of forest above conservation threshold ...						15.40
BREAK EVEN POINT:						
L. Forest retention above threshold with no mitigation ...						15.08
M. Clearing permitted without mitigation ...						12.32
PROPOSED FOREST CLEARING:						
N. Total area of forest to be cleared ...					4-19	4.40
O. Total area of forest to be retained ...					23-30	23.00
PLANTING REQUIREMENTS:						
P. Reforestation for clearing above conservation threshold ...					1-03	1.10
Q. Reforestation for clearing below conservation threshold ...						0.00
R. Credit for retention above conservation threshold ...					14-30	11.00
S. Total reforestation required ...						0.00
T. Total afforestation required ...						0.00
U. Credit for landscaping (may not exceed 20% of "S") ...						0.00
V. Total reforestation and afforestation required ...						0.00
Afforestation Provided ...						0.00

SPECIAL TREE PROTECTION MEASURES ABOVE GRADE TRAIL DETAIL



- NOTES:
- Strip vegetation and limit bed preparation (2" max. depth) to protect existing roots.
 - Refer to other details for stone base and pavement thicknesses.
 - Extreme care of existing trees around roots must be used during construction. Only low-impact construction equipment (smaller machines with rubber tracks) are permitted within critical root zone to be preserved.
 - Root mat shall be an approved triplanar geonet (ASTM D4439) and geogrid shall be Tensor Geo-Grid BX-4100, or equal.
 - M-NCPPC Arborist/Inspector must approve Tree Protection Fence field layout.
 - Contractor shall retain an International Society of Arboriculture Certified Arborist to inspect and certify installation for tree preservation.

SIGNAGE



- NOTES:
- ATTACHMENT OF SIGNS TO TREES IS PROHIBITED.
 - SIGNS SHOULD BE PROPERLY MAINTAINED.
 - AVOID INJURY TO ROOTS WHEN PLACING POSTS FOR THE SIGNS.
 - NOTE: TREE PROTECTION SIGNAGE SHALL BE PLACED EVERY 50 FEET AT ALL TREE PROTECTION DEVICES.

Sequence of Events for Property Owners Required to Comply With Forest Conservation and/or Tree-Save Plans

- Pre-Construction
- An on-site pre-construction meeting is required after the limits of disturbance have been staked and flagged, but before any clearing or grading begins. The property owner should contact the Montgomery County Planning Department inspection staff before construction to verify the limits of disturbance and discuss tree protection and tree care measures. The developer's representative, construction superintendent, ISA certified arborist or Maryland-licensed tree expert that will implement the tree protection measures, forest conservation inspector, and Department of Permitting Services (DPS) sediment control inspector should attend this pre-construction meeting.
 - No clearing or grading shall begin before stress-reduction measures have been implemented. Appropriate measures may include, but are not limited to:
 - Root pruning
 - Crown reduction or pruning
 - Watering
 - Fertilizing
 - Vertical mulching
 - Root aeration matting
 - A Maryland-licensed tree expert or an International Society of Arboriculture-certified arborist must perform all stress reduction measures. Documentation of stress reduction measures must be either observed by the forest conservation inspector or sent to the inspector at 8787 Georgia Avenue, Silver Spring, MD 20910. The forest conservation inspector will determine the exact method to convey the stress reduction measures during the pre-construction meeting.
 - Temporary tree protection devices shall be installed per the Forest Conservation Plan/Tree Save Plan and prior to any construction activities. Tree protection fencing locations should be staked prior to the pre-construction meeting. The forest conservation inspector, in coordination with the DPS sediment control inspector, may make field adjustments to increase the survivability of trees and forest shown as saved on the approved plan. Temporary tree protect devices may include:
 - Chain link fence (four feet high)
 - Snow fence with wire strung between support poles (minimum 4 feet high) with high visibility flagging.
 - 14 gauge 2 inch x 4 inch welded wire fencing supported by steel T-bar posts (minimum 4 feet high) with high visibility flagging.
 - Temporary protection devices shall be maintained and installed by the contractor for the duration of construction project and must not be altered without prior approval from the forest conservation inspector. No equipment, trucks, materials, or debris may be stored within the tree protection fence areas during the entire construction project. No vehicle or equipment access to the fenced area will be permitted. Tree protection shall not be removed without prior approval of forest conservation inspector.
 - Forest retention area signs shall be installed as required by the forest conservation inspector, or as shown on the approved plan.
 - Long-term protection devices will be installed per the Forest Conservation Plan/Tree Save Plan and attached details. Installation will occur at the appropriate time during the construction project. Refer to the plan drawing for

INSPECTIONS

All field inspections must be requested by the applicant. Inspections must be conducted as follows:

Tree Save Plans and Forest Conservation Plans without Planting Requirements

- After the limits of disturbance have been staked and flagged, but before any clearing or grading begins
 - After necessary stress reduction measures have been completed and protection measures have been installed, but before any clearing and grading begin.
 - After completion of all construction activities, but before removal of tree protection fencing, to determine the level of compliance with the provision of the forest conservation.
- Additional Requirements for Plans with Planting Requirements
- Before the start of any required reforestation and afforestation planting
 - After the required reforestation and afforestation planting has been completed to verify that the planting is acceptable and prior to the start the maintenance period.
 - At the end of the maintenance period to determine the level of compliance with the provisions of the planting plan, and if appropriate, release of the performance bond.

MONTGOMERY COUNTY STANDARD TREE PROTECTION NOTES

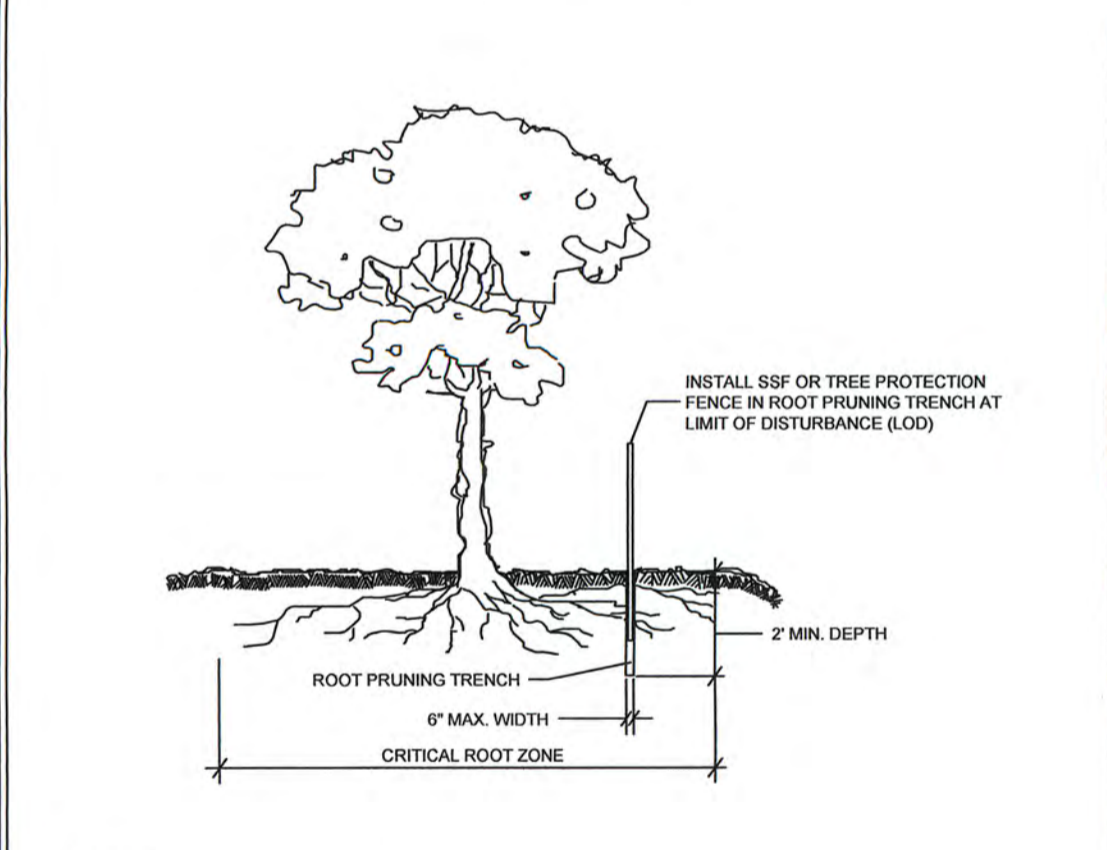
- An on-site pre-construction meeting shall be required after the limits of disturbance have been staked and flagged, but before any clearing or grading begins. The owner shall contact the Maryland National Capital Park and Planning Commission inspection staff prior to commencing construction to verify the limits of disturbance and discuss tree protection and tree care measures. The attendants at this meeting should include: developer's representative, construction superintendent, ISA certified arborist that will implement the tree protection measures, M-NCPPC inspector, and WSSC's sediment control inspector.
- No clearing or grading shall begin before stress-reduction measures have been implemented. Appropriate measures may include, but are not limited to:
 - Root pruning
 - Crown Reduction or pruning
 - Watering
 - Fertilizing
 - Vertical mulching
 - Root aeration matting
- Measures not specified on the Tree Save Plan may be required as determined by the M-NCPPC inspector in coordination with the arborist.
- A State of Maryland licensed tree expert, or an International Society of Arboriculture certified arborist must perform all stress reduction measures. Documentation of stress reduction measures must be either observed by the MNCPPC inspector or sent to the MNCPPC inspector at 8787 Georgia Avenue, Silver Spring, MD 20910. The MNCPPC inspector will determine the exact method to convey the stress reductions measures during the pre-construction meeting.
- Temporary tree protection devices shall be installed per the Forest Conservation Plan and prior to any construction activities. Tree protection fencing locations should be staked prior to the pre-construction meeting. M-NCPPC inspector, in coordination with the WSSC's sediment control inspector, may make field adjustments to increase the survivability of trees and forest shown as saved on the approved plan. Temporary tree protect devices may include:
 - Chain link fence (four feet high)
 - Snow fence (at least four feet high)
 - Super silt fence
 - 3-strand wire fence
 - Silt fence and 2-strand wire fence
 - Jersey barriers
- Temporary protection devices shall be maintained and installed by the contractor for the duration of construction project and must not be altered without prior approval from MNCPPC. No equipment, trucks, materials, or debris may be stored within the tree protection fence areas during the entire construction project. No vehicle or equipment access to the fenced area will be permitted. Tree protection shall not be removed without prior approval of MNCPPC. Tree protection devices to be coordinated with erosion and sediment control devices as indicated on the approved Erosion and Sediment Control plan approved by WSSC.
- Forest retention area signs shall be installed as required by the MNCPPC inspector, or as shown approved plan.
- Long-term protection devices will be installed per the Tree Save Plan and attached details. Installation will occur at the appropriate time during the construction project. Refer to the plan drawing for long-term protection measures to be installed.
- Periodic inspections by MNCPPC will occur during the construction project. Corrections and repairs to all tree protection devices, as determined by the MNCPPC inspector, must be made within the timeframe established by the MNCPPC inspector.
- After construction is completed, an inspection shall be requested. Corrective measures which may be required include:
 - Removal and replacement of dead and dying trees
 - Pruning of dead or declining limbs
 - Soil aeration
 - Fertilization
 - Watering
 - Wound repair
 - Clean up of retention areas
- After inspection and completion of corrective measures have been undertaken, all temporary protection devices shall be removed from the site. No additional grading, sodding, or burial may take place.

NOTE:
This is the updated forest conservation worksheet from visitor entrance gate forest conservation plan # P-95001 approved 5/10/1995 for visitor's center parking lot expansion. The values in bold are the updated numbers for this plan revision, and replace the adjacent numbers that are crossed out.

PLANTING GENERAL NOTES

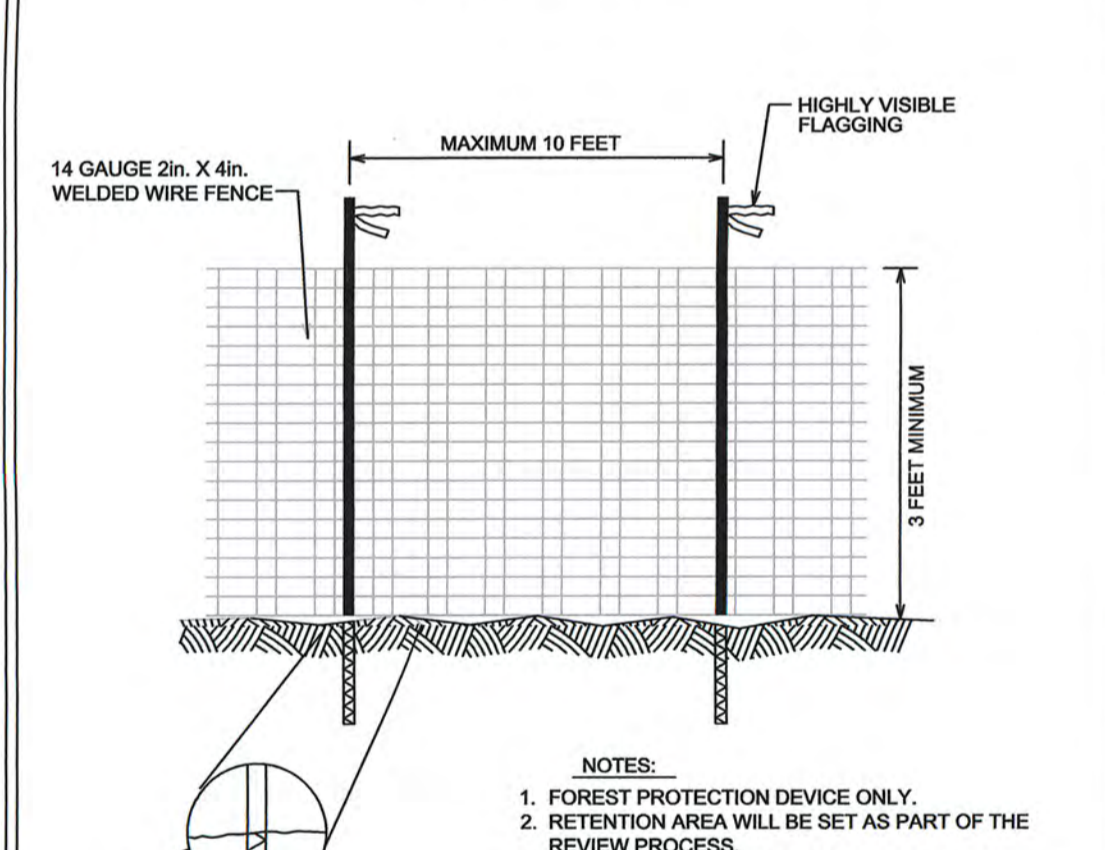
- THIS PLAN IS FOR LANDSCAPING PURPOSES ONLY, AND ANY OTHER INFORMATION SHOWN IS FOR REFERENCE ONLY. SEE SITE PLAN FOR INFORMATION ABOUT ALL LAYOUT, GRADING AND OTHER SITE IMPROVEMENTS.
- CALL MISS UTILITY AT 1-800-257-7777 TO MARK UTILITIES AT LEAST 48 HOURS BEFORE DIGGING.
- All materials and planting procedures except as otherwise noted shall conform to the latest edition of "LANDSCAPE SPECIFICATION GUIDELINES" by the Landscape Contractors Association MD-DC-VA.
- Plants shall conform to the current edition of the American Standard for Nursery Stock, (ANSI Z60.1)
- Plant names shall be those given in the latest edition of Standard Plant Names, American Committee on Horticultural Nomenclature.
- Topsoil shall meet specifications as per the 1994 MD Standards and Specifications for Soil Erosion and Sediment Control.
- The Contractor shall apply grass according to the 1994 MD Standard and Specifications for Soil Erosion and Sediment Control. Do not use Kentucky 31 tall fescue.
- The Contractor shall mulch and water all plants well on the day they are planted.
- Surface mulch layer shall consist of standard fine shredded aged hardwood mulch. The Contractor shall apply the mulch uniformly to a depth of 2 to 3 inches.
- The contractor shall stake out all planting beds and tree locations and these must be approved by the landscape architect before digging. It is the contractor's responsibility to locate and coordinate plantings with all existing utilities. If discrepancies occur because of utility locations or other existing conditions the contractor shall notify the landscape architect immediately to coordinate any necessary adjustments.
- All plant material shall be labeled by the nursery and delivered with labels in place for inspection. Substitutions in plant species or size will not be permitted except with the approval of the Landscape Architect. Pruning is not to occur until material has been planted. Contractor shall prune plant material as soon thereafter as is advisable under standard horticultural practices.
- Contractor shall submit representative soil samples from both in-situ soils and soils brought in from off-site to a state licensed testing laboratory. The Contractor shall incorporate or apply soil amendments and fertilization based upon results of the soil tests and recommendations by the test lab.
- It is of utmost importance that all plant material be set slightly higher in relation to grade than it was grown in the nursery and with good earth to root contact. Any materials or work may be rejected by the Landscape Architect if it does not meet this or any other requirement of the specifications, and rejected materials shall be removed from the site by the Contractor at Contractor's expense.
- In case of discrepancies between quantities on the plant list and the plan, the plan shall govern.
- Any planting within a forest retention area, as designated on the forest conservation plan and shown on this plan, must be done to avoid any adverse impact to the roots of existing trees. The contractors performing work on the site are responsible for protecting existing native and non-invasive plantings during construction.
- Seed or sod bare areas as directed by owner for all disturbed areas to be stabilized that are not landscaped or covered.
- For tree pruning and care methods please refer to the NATIONAL ARBORIST STANDARDS, LATEST EDITION.

ROOT PRUNING



- NOTES:
- RETENTION AREAS WILL BE SET AS PART OF THE REVIEW PROCESS.
 - BOUNDARIES OF RETENTION AREAS SHOULD BE STAKED AND FLAGGED PRIOR TO TRENCHING
 - EXACT LOCATION AND DEPTH OF TRENCH TO BE VERIFIED BY M-NCPPC ENVIRONMENTAL PLANNING INSPECTOR AT PRE-CONSTRUCTION MEETINGS.
 - ROOTS SHOULD BE CLEANLY CUT USING VIBRATORY KNIFE OR OTHER ACCEPTABLE EQUIPMENT.
 - TRENCH SHOULD BE IMMEDIATELY BACKFILLED WITH SOIL REMOVED OR OTHER HIGH ORGANIC SOIL.

TREE PROTECTION FENCING WIRE MESH



- NOTES:
- FOREST PROTECTION DEVICE ONLY.
 - RETENTION AREA WILL BE SET AS PART OF THE REVIEW PROCESS.
 - BOUNDARIES OF RETENTION AREA SHOULD BE STAKED AND FLAGGED PRIOR TO INSTALLATION OF DEVICE.
 - ROOT DAMAGE SHOULD BE AVOIDED.
 - PROTECTIVE SIGNAGE IS REQUIRED.
 - DEVICE SHOULD BE MAINTAINED THROUGHOUT CONSTRUCTION.
 - ALTERNATIVE TREE PROTECTION DEVICES: SUPER SILT FENCE, OR SNOW FENCE OR 3 STRANDS OF SMOOTH 12 GAUGE WIRE. ATTACH HIGHLY VISIBLE FLAGGING TO WIRES @ 12" O.C.

ID	Common Name	Scientific Name	DBH (in.)	CRZ (ft)	Condition	RP	DRF	CA	SP	DRW	AGP
91	Tulip Poplar	<i>Liriodendron tulipifera</i>	25	37.5	Fair/Good	X	X				X
96	Tulip Poplar	<i>Liriodendron tulipifera</i>	28	42	Fair	X	X				X
127	Tulip Poplar	<i>Liriodendron tulipifera</i>	32	48	Fair	X			X		
137a	Tulip Poplar	<i>Liriodendron tulipifera</i>	33	49.5	Fair/Good						X
138	Tulip Poplar	<i>Liriodendron tulipifera</i>	32.5	48.75	Good			X	X	X	X
139	Tulip Poplar	<i>Liriodendron tulipifera</i>	33	49.5	Good			X	X		X
140	Tulip Poplar	<i>Liriodendron tulipifera</i>	32	48	Good			X	X		X
141	Tulip Poplar	<i>Liriodendron tulipifera</i>	33	49.5	Good			X	X		X
142	Tulip Poplar	<i>Liriodendron tulipifera</i>	28	42	Good			X	X		X
143	Tulip Poplar	<i>Liriodendron tulipifera</i>	32	48	Poor				X		X
145	Tulip Poplar	<i>Liriodendron tulipifera</i>	28	42	Fair/Good	X		X			
147	Tulip Poplar	<i>Liriodendron tulipifera</i>	30	45	Fair	X	X	X			
152	Tulip Poplar	<i>Liriodendron tulipifera</i>	39	58.5	Good	X	X				
156	Tulip Poplar	<i>Liriodendron tulipifera</i>	36	54	Fair/Good	X	X				
160	Tulip Poplar	<i>Liriodendron tulipifera</i>	30	45	Fair/Good	X					X
161	Tulip Poplar	<i>Liriodendron tulipifera</i>	24	36	Fair	X	X			X	
165	Tulip Poplar	<i>Liriodendron tulipifera</i>	36	54	Fair/Good	X	X	X			X
169	Tulip Poplar	<i>Liriodendron tulipifera</i>	33	49.5	Fair/Good	X					X
179	Tulip Poplar - (Twin)	<i>Liriodendron tulipifera</i>	32	48	Good			X			X
180	Tulip Poplar	<i>Liriodendron tulipifera</i>	24	36	Good				X		X
181	Tulip Poplar	<i>Liriodendron tulipifera</i>	30	45	Good			X	X		X
186	Red Maple	<i>Acer rubra</i>	40	60	Fair			X	X		X

* Trees 96 will require root pruning along southern extent for the proposed fill and will have above grade paving along northern edge for the proposed sidewalk.
** These impacts are mitigated on the plan with above grade paving and core aeration.

Terminology:

(RP) Root pruning is to be performed inside the tree protection fence. It is to be accomplished by a vibratory plow with a serrated cutting edge or a root cutter with a 30" wheel to a depth of 24". Chain driven trenchers are not acceptable. (See Detail)

(DRF) Deep root fertilize using a hydraulic pump to inject a liquid solution of 30-10-7 arboricultural grade fertilizer and a biostimulant such as "Roots" or "Essential".

(CA) Core aeration is to be done with a handheld manual punch core aerator at 2 holes per sq ft throughout the root zone. Incorporate an organic product (Leafgro) and an inorganic product (Sand or Silt) during the aeration process.

(SP) Sanitation prune to remove all dead or dying limbs greater than one inch on a tree to improve its health and appearance. Thin crown where necessary to reduce canopy density by maximum twenty-five percent to compensate for root loss and construction stress.

(DRW) Deep root watering to occur on a weekly basis during drought periods.

(AGP) Above grade paving to minimize root disturbance and compaction (see detail this sheet).

THE MARYLAND-NATIONAL CAPITAL PARK AND PLANNING COMMISSION
FOREST CONSERVATION PLAN SUBMITTED FOR PLANNING BOARD APPROVAL

Plan No. PP1995001
Signature [Signature] Date 6/1/2011

ARBORIST CERTIFICATE

I certify that I have reviewed the project and concur with the proposed tree save plan.

[Signature] Date 3/16/11

Colter Burkes
Certification # MA-4106A

LANDSCAPE ARCHITECT CERTIFICATE:

I hereby certify that this plan is prepared in accordance with Montgomery County Forest Conservation Regulations.

[Signature] Date 3/8/2011

James M. Fetschu, RLA
Registered Landscape Architect
MD#3241

MONTGOMERY COUNTY DEPT OF PERMITTING SERVICES APPROVED FOR:

Stormwater Management:	Sediment Control Technical Requirements	Administrative Requirements:
Reviewed _____ Date _____	Reviewed _____ Date _____	Reviewed _____ Date _____
Approved _____ Date _____	Approved _____ Date _____	Approved _____ Date _____

NOTE: MCDPS APPROVAL DOES NOT NEGATE THE NEED OF A MCDPS ACCESS PERMIT.

MCDPS APPROVAL OF THIS PLAN WILL EXPIRE ONE YEAR FROM THE DATE OF APPROVAL IF THE PROJECT HAS NOT STARTED UNLESS THE PERMIT HAS BEEN EXTENDED.

design	review and approval
Charles P. Johnson - JMF landscape architect	03-2011 date
NA architect	date
engineer	date
Charles P. Johnson - HT drawn by	03-2011 date

review and approval
park development division _____ date
central maintenance _____ date
region _____ date
natural resources _____ date

review and approval
superintendent of parks _____ date
park police _____ date
_____ date
_____ date

The Maryland-National Capital Park and Planning Commission

9500 Brunett Avenue
Silver Spring, Maryland 20901
Montgomery County Department of Parks
(301) 495-2535

rev. no.	date	description

project

Wheaton Regional Park Brookside Gardens

REVISED PRELIMINARY FOREST CONSERVATION PLAN #P-5001 FOR STUDY AREA

scale: As Indicated Sheet 3 of 3