

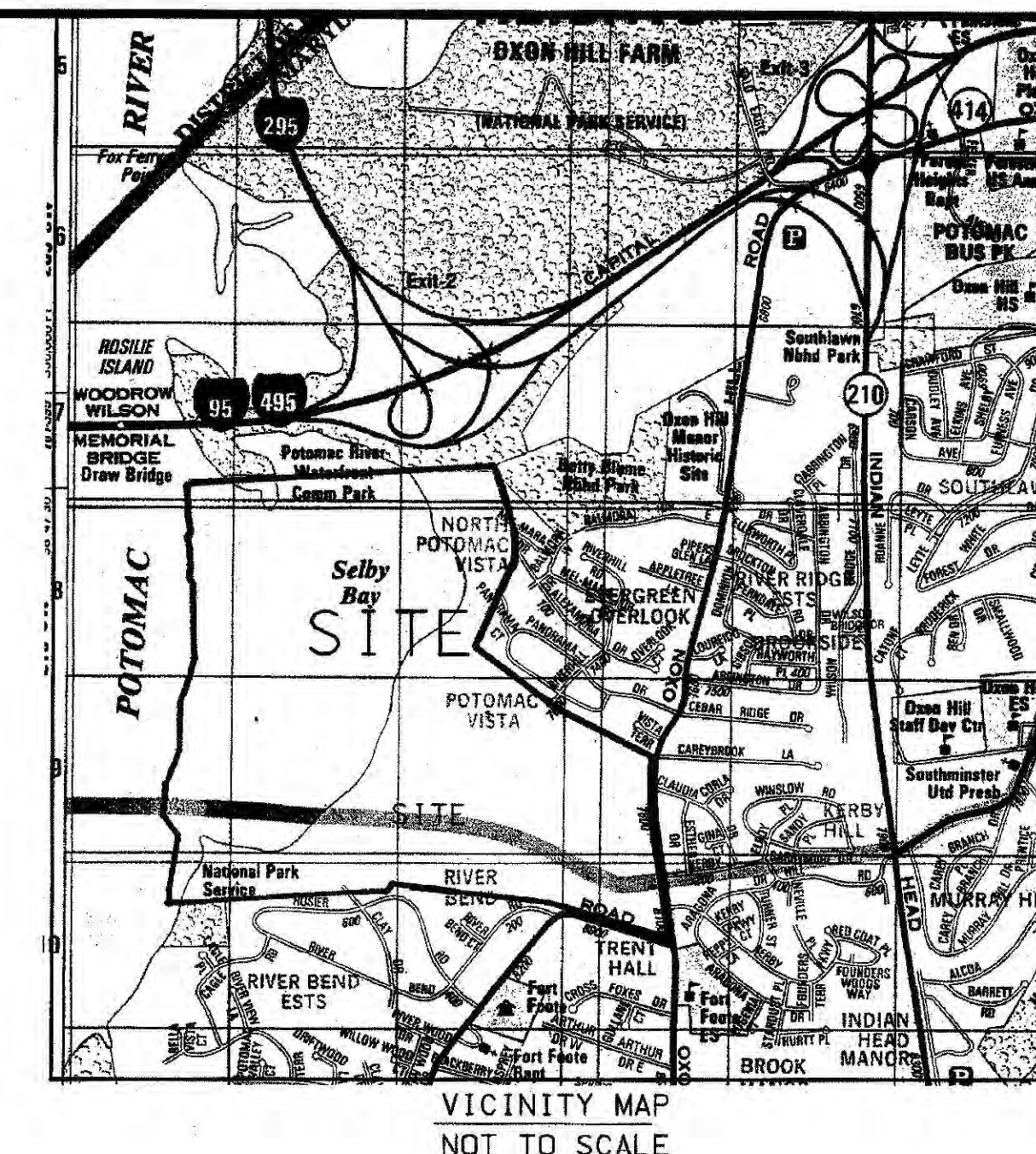
TREE CONSERVATION PLAN TYPE II

NATIONAL HARBOR

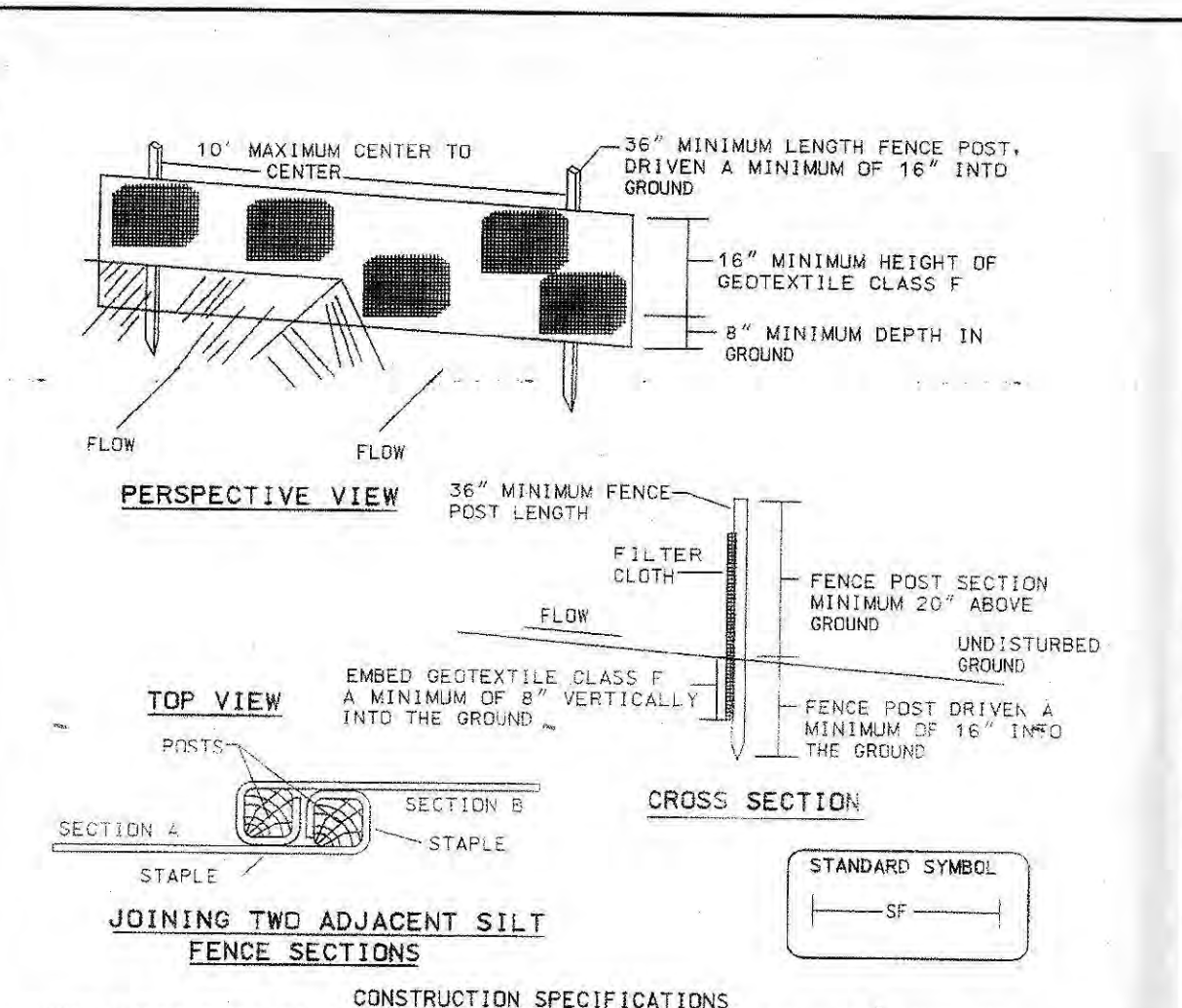
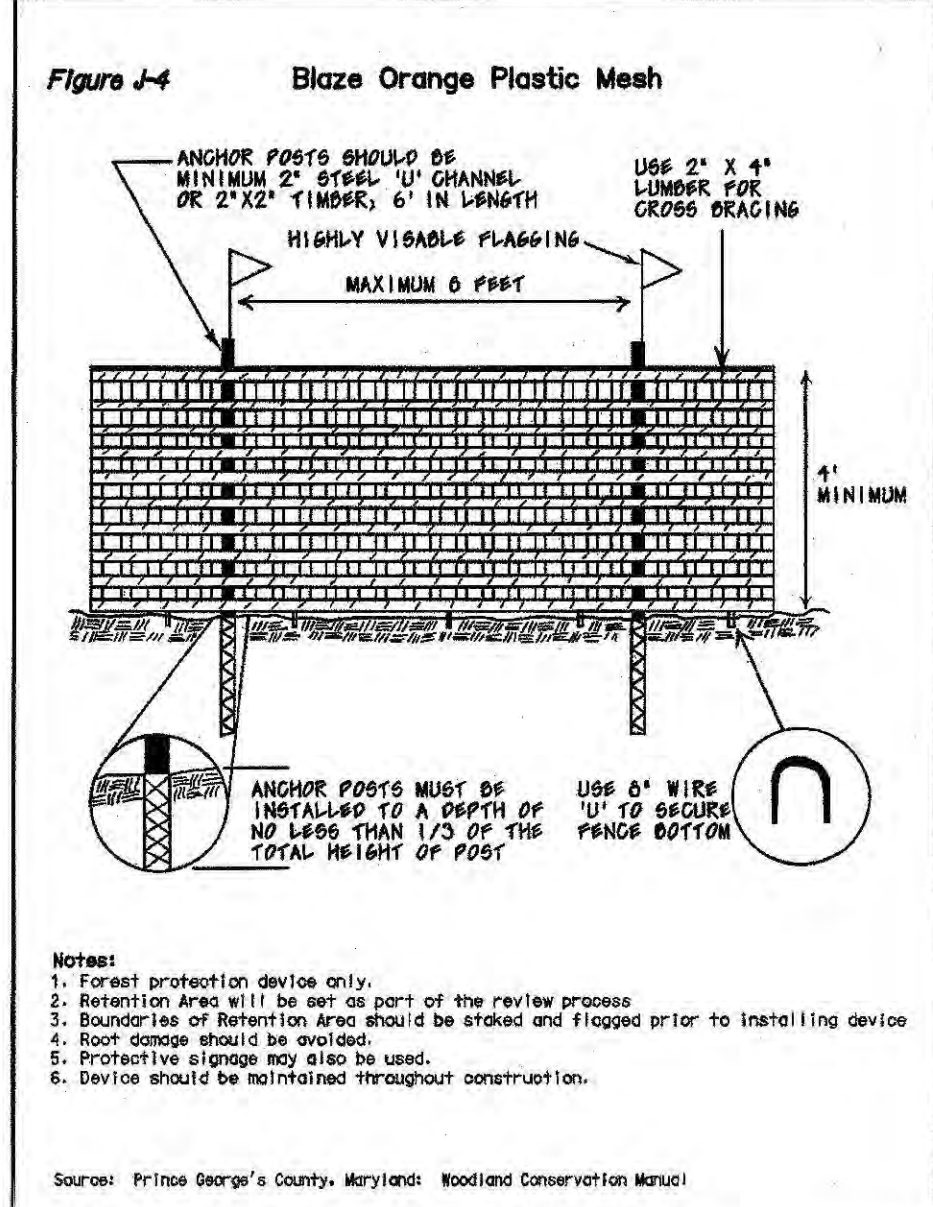
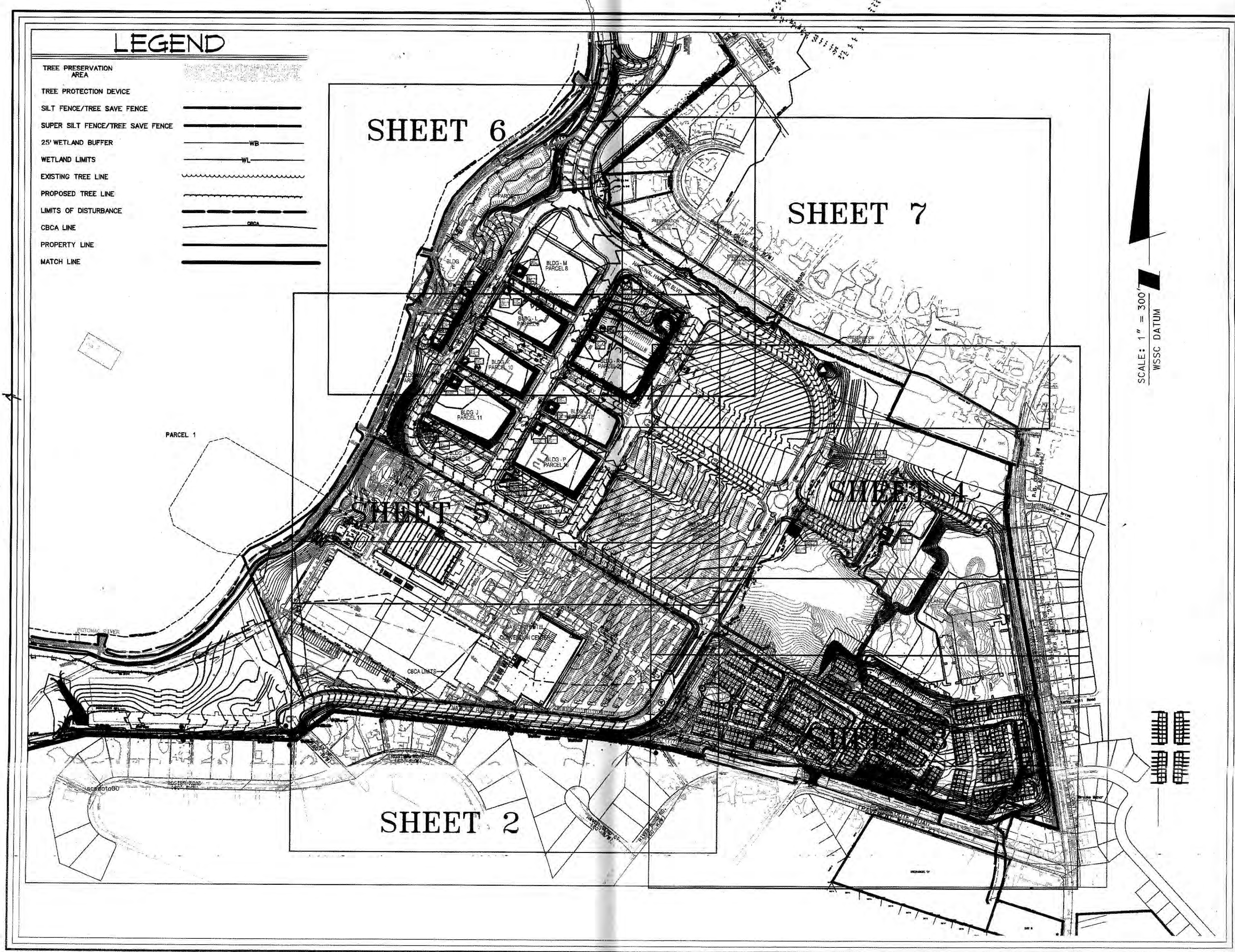
INDEX OF SHEETS

DESCRIPTION	SHEET No.
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12TH / OXON HILL ELECTION DISTRICT
PRINCE GEORGE'S COUNTY, MARYLAND



PRESERVATION AREAS	
No.	Acres
1	0.08
2	0.54
3	1.15
7	0.60
8	0.60
TOTAL	2.97



CONSTRUCTION SPECIFICATIONS	
1. FENCE POSTS SHALL BE A MINIMUM OF 36" LONG DRIVEN 16" MINIMUM INTO THE GROUND. WOOD POSTS SHALL BE 1 1/2" X 1 1/2" SQUARE (MINIMUM) CUT, OR 1 3/4" (MINIMUM) ROUND AND SHALL BE OF SOUND QUALITY HARDWOOD. STEEL POSTS WILL BE STANDARD T OR U SECTION HEAVIER NOT LESS THAN 1.00 POUND PER LINEAR FOOT.	
2. GEOTEXTILE SHALL BE FASTENED SECURELY TO EACH FENCE POST WITH WIRE TIES OR STAPLES AT TOP AND MID-SECTION AND SHALL MEET THE FOLLOWING REQUIREMENTS FOR GEOTEXTILE CLASS FF:	
TENSILE STRENGTH 50 LBS/IN (MIN.)	TEST: MSMT 509
TENSILE MODULUS 20 LBS/IN (MIN.)	TEST: MSMT 509
FLOW RATE 0.5 GAL FT / MINUTE (MAX.)	TEST: MSMT 322
FILTERING EFFICIENCY 75% (MIN.)	TEST: MSMT 322
3. WHERE ENDS OF GEOTEXTILE FABRIC COME TOGETHER, THEY SHALL BE OVERLAPPED, FOLDED AND STAPLED TO PREVENT SEDIMENT BYPASS.	
4. SILT FENCE SHALL BE INSPECTED AFTER EACH RAINFALL EVENT AND MAINTAINED WHEN BULGES OCCUR OR WHEN SEDIMENT ACCUMULATION REACHED 50% OF THE FABRIC HEIGHT.	
U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE	PAVE E - 15 - 3 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

GENERAL NOTES:

- The woodland conservation worksheet represents requirements for the area above the Chesapeake Bay Critical Area (CBCA) line as depicted on this plan (taken from CBCA Conservation Plan CP-88013 approved 12/22/88). The requirements below the CBCA line are represented on the revised CBCA plan and are not part of this document.
- Up to 5 acres of the central woodland preservation area may be cleared for the project amenities; additional to those described in Conservation Calculations, for visitor enjoyment. Should clearing take place, the TPD-II plan shall be revised to reflect the adjusted conservation requirements.
- 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 \$1.50 square foot mitigation fee.
- All appropriate bonds will be posted with the building official prior to the issuance of any permits. These bonds will be retained as a surety by the building official until all required activities have been satisfied.
- The location of all Tree Protective Devices (TPD's) shown on this plan shall be flagged or staked in the field prior to the pre-construction of initial sediment controls. No cutting or clearing of trees may begin before final approval of TPD installation.

NO.	DATE	REVISIONS	BY	DATE
11	REVISED PRESERVATION AREA 7	BOG	8/14/08	
10	REVISED PRESERVATION AREA	JMC	7/18/08	
9	UPDATED W/ UPLANDS INFRASTRUCTURE AND W/ FH/HI ROAD AND GRADES	JMC	5/8/08	
8	REV. TO SHOW EX. CONDITIONS AND ADDS REFORESTATION AREAS	BAM	9/21/07	
7	ADDED 12/2003 AERIAL TOPO/ REV. PROP. GRADES	JMC	9/23/04	
6	RELOCATED 0.49 AC TREE SAVE AREA FURTHER NORTH	PTT	8/22/02	
5	TREE LINE REDEFINED	MAM	7/12/02	
4	FENCE SYMBOL REMOVED FROM PLAN; SILT FENCE MODIFIED	RHG	8/31/01	
3	TREE LINE REDEFINED	RHG	6/11/01	
2	PRESERVATION AREA LIMITS REDEFINED	RHG	5/7/01	
1	ADRESSED CLIENT COMMENTS	MAM	4/10/00	

OWNERS	DEVELOPER/APPLICANT
National Harbor Waterfront LC (156 ACRES) Sully South LC (44 ACRES) Potomac Vista LC (20 ACRES) Summit Associates LC (3 ACRES) Maplewood Development CO. (3 ACRES)	THE PETERSON COMPANIES, L.C. 12500 Fair Lakes Circle, Suite 400 Fairfax, VA 22033 (703) 227-2000 CONTACT: Mr. Peter Hackett

APPROVAL	
APPROVED BY	DATE
JIM STASZ	28 NOV 00
REVISED 21 MAR 01	JS
REVISED 8/19/02	JS
REVISED 10/13/04	JS
REVISED 6/18/05	JS
JL Stasz	7/31/06
KIM FINCH	1/3/11
KIM FINCH	10/13/11
KIM FINCH	4/08/12
KIM FINCH	2/02/12
KIM FINCH	10/22/15

MISS UTILITY NOTE

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

EDGE MANAGEMENT NOTES FOR TREE PRESERVATION AREA

- All non-native, noxious or invasive species may be selectively cleared from tree save areas by cutting at ground level with a saw or chainsaw and then immediately applying a herbicide to the cut surface in accordance with the method approved for that registered herbicide. Below is a list of species fitting this classification:
Ginkgo Mataro
Common Reed
Lesser Catclaw
Climbing Euonymus
English Ivy
Japanese Barberry
Winged Euonymus
Bamboo
Mullein rose
Corydalis
White Mulberry
Tall Fescue (O3) Fescue
Japanese Knotweed
Porcelain Berry
Wintercreeper Japanese
Parasitica
Russian Olive
Privet
Common Buckthorn
Weeberry
Norway Maple
Empress Tree
Sericea Lespedeza
Mile-a-minute Vine
Climbing Vitis
Honeyuckle Kudzu
Vitacea
Autumn Olive
Bath Honeysuckle
European Buckthorn
Japanese Spirea
Tree of Heaven
Sweet Cherry
- In addition, the following native species may be cleared within 75 feet of an edge due to the nuisance nature of the plants when growing in the proximity of residences:
Palm Ivy
Greenbrier
Blackberry
- All dead trees within 75 feet of an edge may be selectively removed by cutting with a saw at ground level. All hazardous trees within 75 feet of an edge may be pruned by a professional arborist or a Licensed Tree Expert in order to correct the potential problem. In the event the problem cannot be corrected by pruning, the tree may be removed. A tree is considered hazardous if there is a target area such as a house, garage, parking area, play area, etc. A 50 foot tall tree that is 75 feet from an edge and 120 feet from a target is not a hazardous tree. A hazardous tree must exhibit characteristics that would lead to the failure of one or more parts of the tree which would then impact the target area.
- If tree removal reduces the stocking levels below 65 square feet of basal area per acre of the forest stand, the property owner shall replant trees in the disturbed area in order to return the stock levels to 65 square feet of basal area within five (5) years.
- Any proposed tree removals shall be field-adjusted to facilitate minimal damage to the root zones of the trees to be retained. The diameter of any proposed tree shall be approved by representatives of the N-NCPPC prior to the commencement of construction.
- Tree pruning shall be done in a manner as to be injurious to the tree. The State of Maryland requires that pruning not done by the property owner shall be done by a Professional Arborist or a Licensed Tree Expert.
- Planting the seeds in the Tree Conservation Areas in order to seed with grasses is not permitted. However, the property owner may sow with shade tolerant grasses within 30 feet of an edge. The use of Kentucky 31 fescue is not acceptable.

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Rockville, Maryland 20850
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Fax: 301-544-0997

3400 Frying Pan Road
Potsdam, Maryland 20854
Tel: 301-744-7688
Fax: 301-744-7688

7 North Market Street
Frederick, Maryland 21701
Tel: 301-695-1240
Fax: 301-695-0866

2000 E. Washington Blvd.
Baltimore, Maryland 21201
Tel: 410-528-2888
Fax: 410-528-2888

NO.	DATE	REVISIONS	BY	DATE
11	REVISED PRESERVATION AREA 7	BOG	8/14/08	
10	REVISED PRESERVATION AREA	JMC	7/18/08	
9	UPDATED W/ UPLANDS INFRASTRUCTURE AND W/ FH/HI ROAD AND GRADES	JMC	5/8/08	
8	REV. TO SHOW EX. CONDITIONS AND ADDS REFORESTATION AREAS	BAM	9/21/07	
7	ADDED 12/2003 AERIAL TOPO/ REV. PROP. GRADES	JMC	9/23/04	
6	RELOCATED 0.49 AC TREE SAVE AREA FURTHER NORTH	PTT	8/22/02	
5	TREE LINE REDEFINED	MAM	7/12/02	
4	FENCE SYMBOL REMOVED FROM PLAN; SILT FENCE MODIFIED	RHG	8/31/01	
3	TREE LINE REDEFINED	RHG	6/11/01	
2	PRESERVATION AREA LIMITS REDEFINED	RHG	5/7/01	
1	ADRESSED CLIENT COMMENTS	MAM	4/10/00	

NO.	DATE	REVISIONS	BY	DATE
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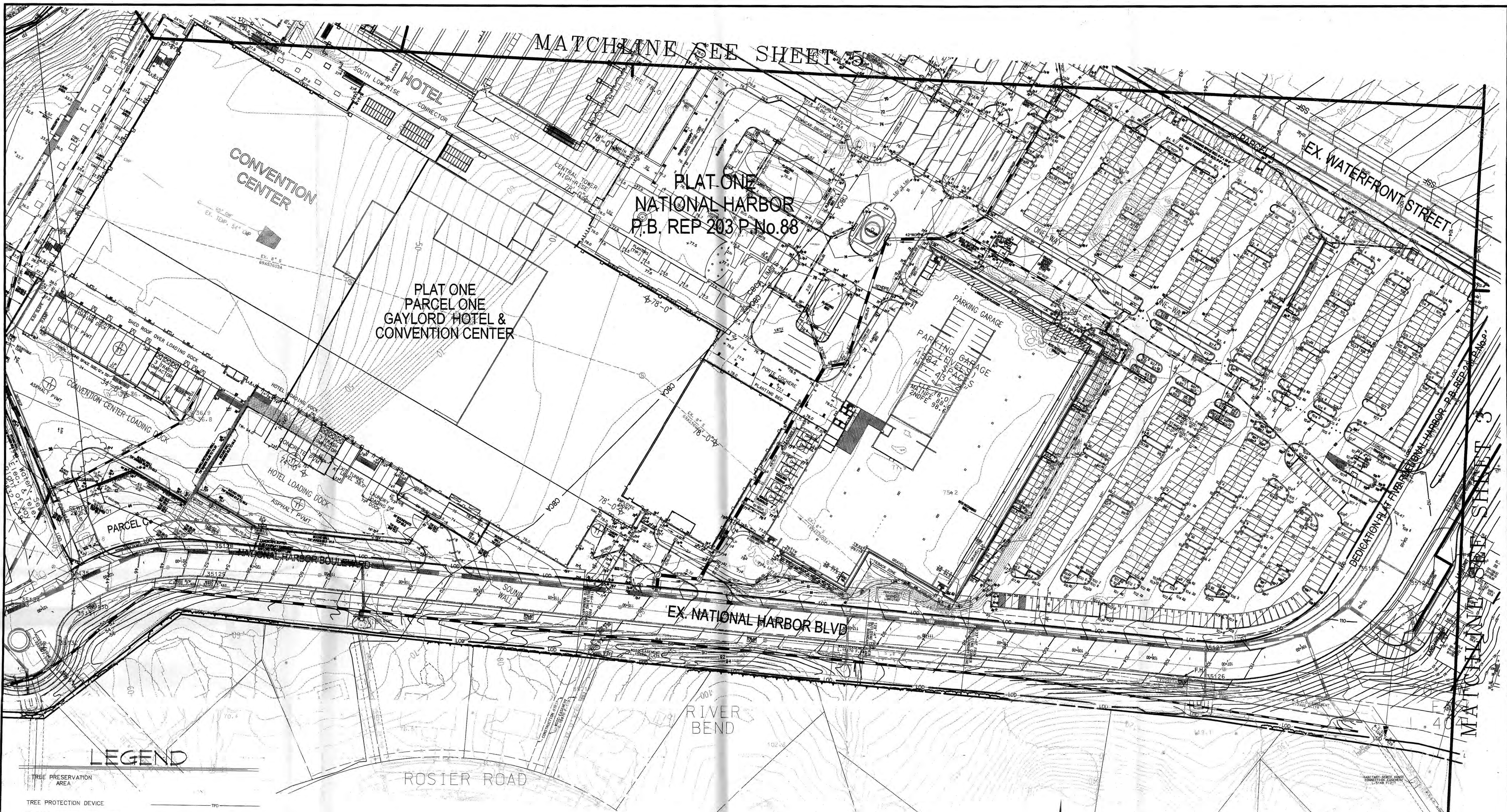
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1	ADRESSED CLIENT COMMENTS	MAM	4/10/00	

NATIONAL HARBOR

12TH / OXON HILL DISTRICT
PRINCE GEORGE'S COUNTY, MARYLAND

SHEET 1 OF 7

PROJECT NO. 1006-01



LEGEND

- TREE PRESERVATION AREA
- TREE PROTECTION DEVICE
- SILT FENCE/TREE SAVE FENCE
- SUPER SILT FENCE/TREE SAVE FENCE
- 25' WETLAND BUFFER
- WETLAND LIMITS
- EXISTING TREE LINE
- PROPOSED TREE LINE
- LIMITS OF DISTURBANCE
- CBSA LINE
- PROPERTY LINE
- MATCH LINE

APPROVAL		
TREE CONSERVATION PLAN		
APPROVED BY	DATE	
JIM STASZ	28 NOV 00	
01	REVISED 21 MAR 01	JS
02	REVISED 8/18/02	JS
03	REVISED 10/13/04	JS
04	REVISED 5/18/08	JS
05	J. Stasz	7/31/08
06	KIM FINCH	1/13/11
07	KIM FINCH	10/31/11
08	KIM FINCH	4/29/12
09	KIM FINCH	1/22/13
10	CP Finch	10/22/15

SCALE: 1" = 50'
N

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Environmental Sciences

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NO.	REVISIONS	BY	DATE
11	UPDATED WITH POTOMAC OVERLOOK GRADES	YOR	12/21/10
10	REVISED PRESERVATION AREA	JMC	7/18/08
9	UPDATED W/ UPLANDS INFRASTRUCTURE AND WF PH III ROAD AND GRADES	JMC	6/30/08
8	REV. TO SHOW EX. COND. & ADD LANDSCAPE/FORESTATION AREAS	BAM	3/20/07
7	ADDED 12/2003 AERIAL TOPO / REV. PROP. GRADES	JMC	9/20/04
6	DISTURBED WETLAND AREAS REMOVED	MAM	7/29/02
5	TREE LINE/TREE SAVE AREA REDEFINED	MAM	7/15/02
4	FENCE SYMBOL REMOVED FROM PLAN	RHG	6/31/01
3	TREE LINE REDEFINED	RHG	5/7/01
2	PRESERVATION AREA LIMITS REDEFINED	MAM	4/10/00
1	ADDRESSED CLIENT COMMENTS	MAM	

DATE	DESIGNED	CAD STANDARDS VERSION	TECHNICIAN	MAM	CHECKED	WLD
MARCH 27, 2000						

TREE
CONSERVATION PLAN
TYPE II

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

TCP II PLAN

NATIONAL HARBOR

12TH / OXON HILL DISTRICT
PRINCE GEORGE'S COUNTY, MARYLAND

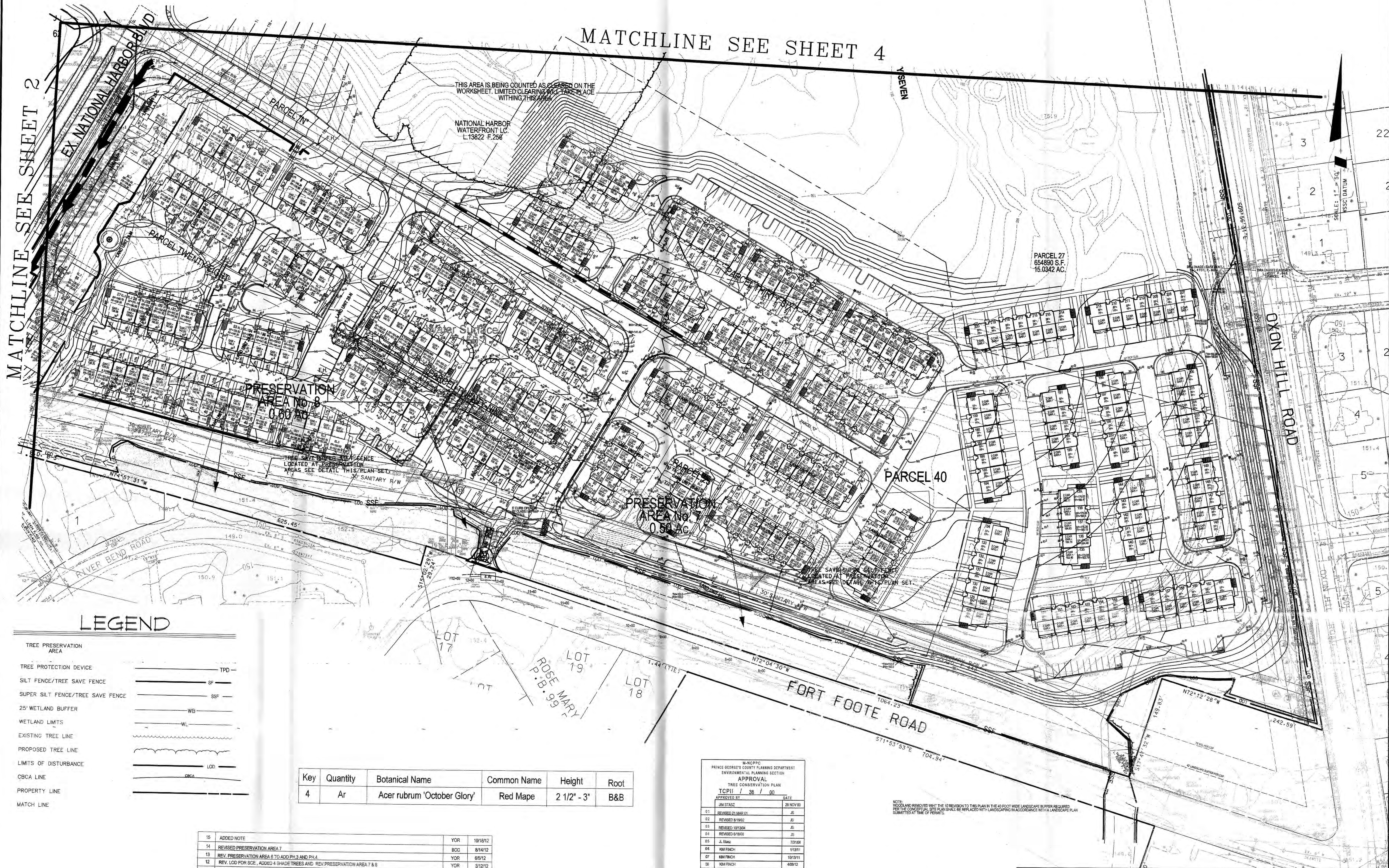
1" = 50'

SHEET 2 OF 7

PROJECT NO. 1006-01

MATCHLINE SEE SHEET 4

MATCHLINE SEE SHEET 2



LEGEND

TREE PRESERVATION AREA	
TREE PROTECTION DEVICE	TPD
SILT FENCE/TREE SAVE FENCE	SF
SUPER SILT FENCE/TREE SAVE FENCE	SSF
25' WETLAND BUFFER	WB
WETLAND LIMITS	WL
EXISTING TREE LINE	
PROPOSED TREE LINE	
LIMITS OF DISTURBANCE	LOD
CBCA LINE	CBCA
PROPERTY LINE	
MATCH LINE	

Key	Quantity	Botanical Name	Common Name	Height	Root
4	Ar	Acer rubrum 'October Glory'	Red Maple	2 1/2' - 3'	B&B

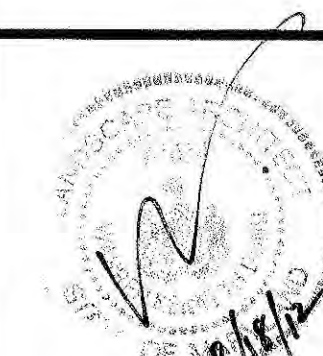
M-NCPPC PRINCE GEORGE'S COUNTY PLANNING DEPARTMENT ENVIRONMENTAL PLANNING SECTION	
APPROVAL	
TREE CONSERVATION PLAN	
APPROVED BY	DATE
JM STAGE	20 NOV 00
REVISION 1/10/01	JS
REVISION 2/10/01	JS
REVISION 3/10/01	JS
REVISION 4/10/01	JS
JL STAGE	7/31/00
KM FINCH	11/31/01
KM FINCH	12/31/01
KM FINCH	4/30/02
KM FINCH	7/22/02
KM FINCH	10/12/02

NOTE: ANY AND ALL REMOVED TREES MUST BE REPLANTED TO THIS PLAN IN THE 40 FOOT WIDE LANDSCAPE BUFFER REQUIRED FOR THE CONSTRUCTION OF THE PLAN SHALL BE REPLACED WITH LANDSCAPING IN ACCORDANCE WITH A LANDSCAPE PLAN SUBMITTED AT TIME OF PERMITS.

15	ADDED NOTE	YOR	10/18/02
14	REVISED PRESERVATION AREA 7	BCG	9/14/02
13	REV. PRESERVATION AREA 8 TO ADD PH.3 AND PH.4	YOR	6/5/02
12	REV. LOD FOR SCE, ADDED 4 SHADE TREES AND. REV. PRESERVATION AREA 7 & 8	YOR	3/12/02
11	UPDATED WITH POTOMAC OVERLOOK GRADES	YOR	12/21/00
10	REVISED PRESERVATION AREA	JMC	7/18/00
9	UPDATED W/ UPLANDS INFRASTRUCTURE AND W/ PH III ROAD AND GRADES	JMC	5/6/00
8	REV. TO SHOW EX. COND. & ADD LANDSCAPE REFORESTATION AREAS	BAM	03/20/00
7	ADDED 2003 AERIAL TOPO / REV. PROP. GRADES	JMC	9/20/04
6	DISTURBED WETLAND AREAS REMOVED	MAM	7/29/02
5	TREE LINE/TREE SAVE AREA REDEFINED	MAM	7/15/02
4	FENCE SYMBOL REMOVED FROM PLAN	RHG	8/31/01
3	TREE LINE REDEFINED	RHG	6/11/01
2	PRESERVATION AREA LIMITS REDEFINED	RHC	5/7/01
1	ADDRESSED CLIENT COMMENTS	MAM	4/10/00
NO.	REVISIONS	BY	DATE
DATE: MARCH 27, 2000	CAD STANDARDS VERSION: MICROSTATION	DESIGNED: MAM	TECHNICIAN: MAM
		WKO	CHECKED:

COPYRIGHT ADD THE MAP PEOPLE PERMITTED USE NUMBER 20111186	
MAP	GRID
TAX MAP	ZONING CATEGORY:
WESC 200 Sheet:	
SITE DATUM	
HORIZONTAL:	
VERTICAL:	

TREE CONSERVATION PLAN TYPE II



MISS UTILITY NOTE

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

TCP II PLAN

NATIONAL HARBOR

12TH / OXON HILL DISTRICT
PRINCE GEORGE'S COUNTY, MARYLAND



1" = 50'

SHEET 3 OF 7

PROJECT NO. 1006-01

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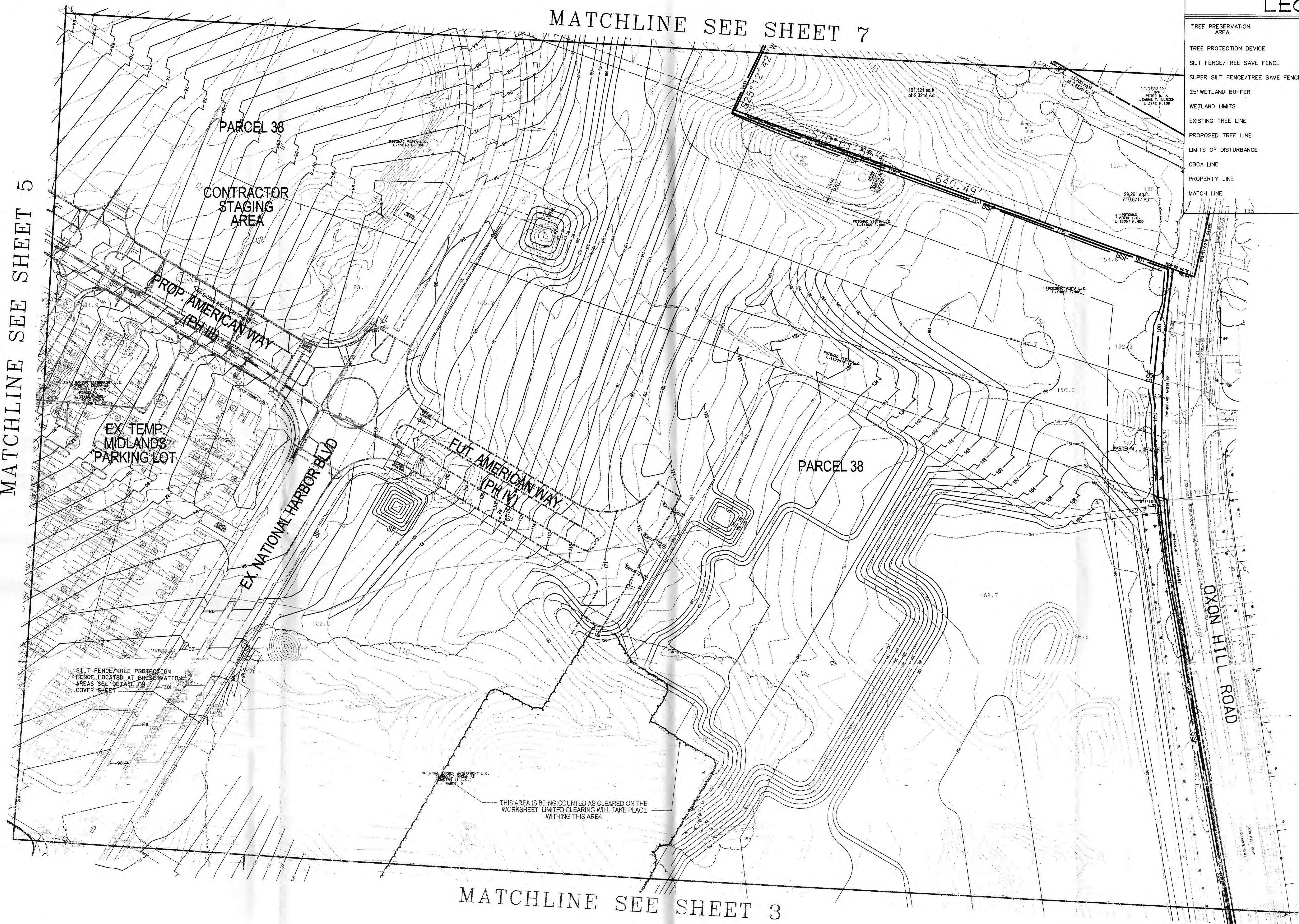
MATCHLINE SEE SHEET 5

MATCHLINE SEE SHEET 7

LEGEND

TREE PRESERVATION AREA	
TREE PROTECTION DEVICE	TPD
SILT FENCE/TREE SAVE FENCE	SF
SUPER SILT FENCE/TREE SAVE FENCE	SSF
25' WETLAND BUFFER	WB
WETLAND LIMITS	WL
EXISTING TREE LINE	
PROPOSED TREE LINE	
LIMITS OF DISTURBANCE	LOD
CBCA LINE	CBCA
PROPERTY LINE	
MATCH LINE	

SCALE: 1" = 50'
N
WSSC DATUM



MATCHLINE SEE SHEET 3

NATIONAL HARBOR PRINCE GEORGE'S COUNTY PLANNING DEPARTMENT ENVIRONMENTAL PLANNING SECTION APPROVAL TREE CONSERVATION PLAN TCP II / 38 / 00	
APPROVED BY	DATE
JIM STACY	24 NOV 00
01 REVISED 21 MAR 01	JS
02 REVISED 09/02	JS
03 REVISED 10/04	JS
04 REVISED 09/08	JS
05 JL SHAW	7/29/08
06 KIM FINCH	9/28/11
07 KIM FINCH	5/23/11
08 KIM FINCH	4/25/12
09 KIM FINCH	7/20/12
10 KIM FINCH	10/22/12

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Rockville
Lanham
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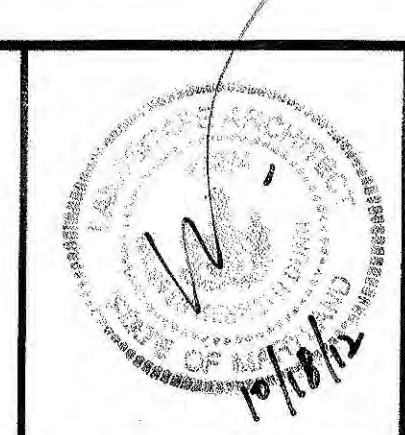
LANHAM OFFICE
4266 Forbes Boulevard
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11	REVISED PRESERVATION AREA	JMC	7/18/08
10	UPDATED W/ UPLANDS INFRASTRUCTURE AND W/ PH III ROAD AND GRADES	JMC	6/09/08
9	REV. TO SHOW EX. COND. & LANDSCAPE/FORESTATION AREAS	BAV	3/20/07
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1	ADDRESSED CLIENT COMMENTS	MAM	4/10/00
NO.	DATE	BY	DATE
DATE: MARCH 27, 2000	CAD STANDARDS VERSION:	TECHNICIAN: MAM	MICROSTATION
DESIGNED:			CHECKED: WJD

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MAP	GRID
TAX MAP	ZONING CATEGORY:
WSSC 200' Sheet	
SITE DATUM	
HORIZONTAL:	
VERTICAL:	

TREE CONSERVATION PLAN TYPE II



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TCP II PLAN

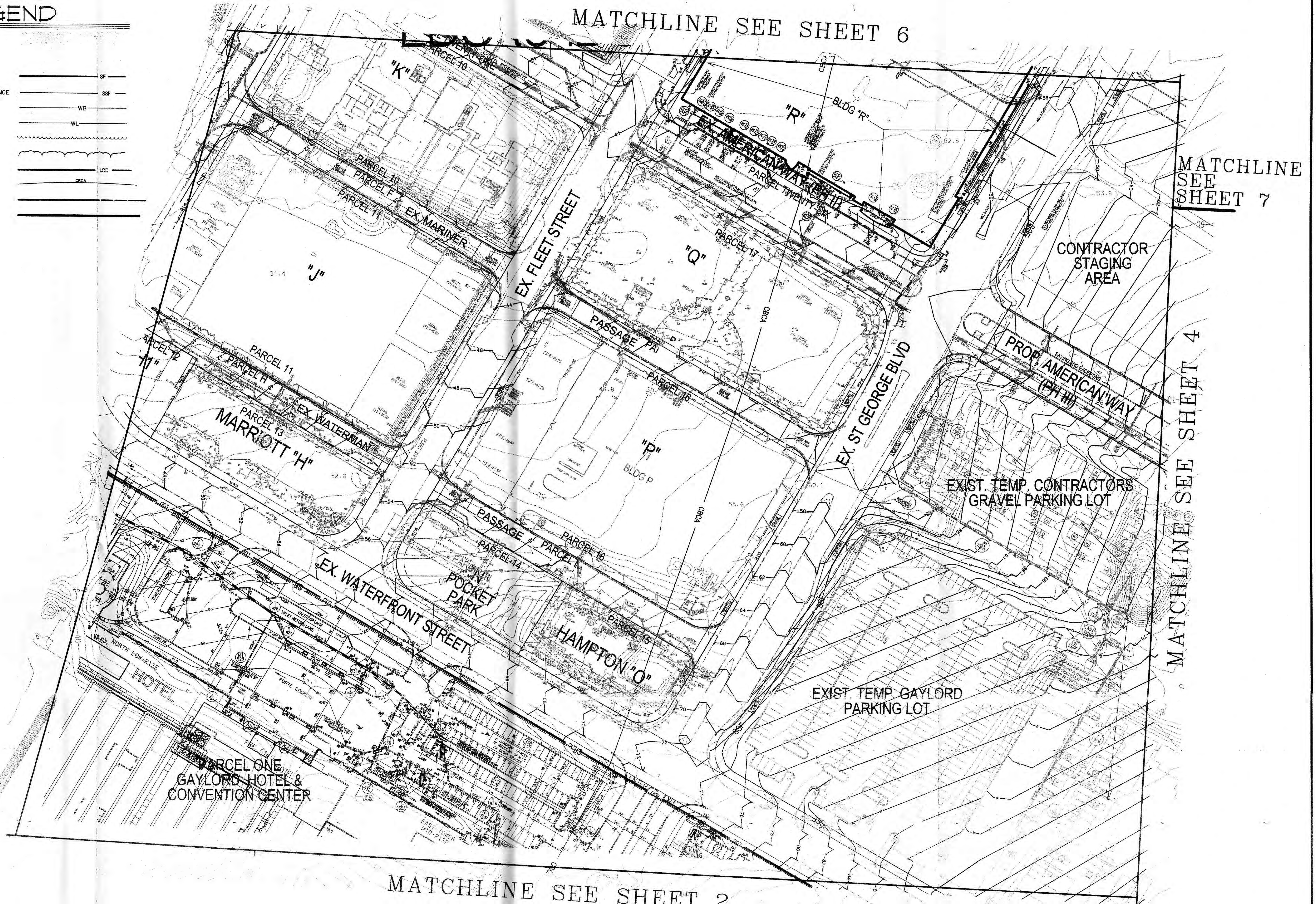
NATIONAL HARBOR
12TH / OXON HILL DISTRICT
PRINCE GEORGE'S COUNTY, MARYLAND

PROJECT NO. 1006-01

LEGEND

TREE PRESERVATION AREA	
TREE PROTECTION DEVICE	
SILT FENCE/TREE SAVE FENCE	SS
SUPER SILT FENCE/TREE SAVE FENCE	SSS
25' WETLAND BUFFER	WB
WETLAND LIMITS	WL
EXISTING TREE LINE	
PROPOSED TREE LINE	
LIMITS OF DISTURBANCE	LOD
CBCA LINE	CBCA
PROPERTY LINE	
MATCH LINE	

SCALE: 1" = 50'
NASSC DATUM

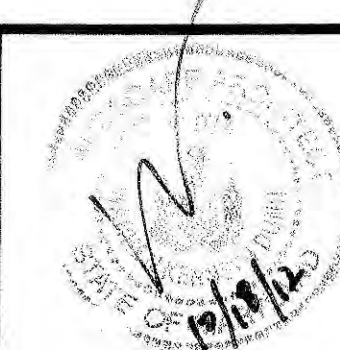


M-10000	
PRINCE GEORGE'S COUNTY PLANNING DEPARTMENT	
ENVIRONMENTAL PLANNING SECTION	
APPROVAL	
TREE CONSERVATION PLAN	
TCP II / 38 / 00	
APPROVED BY	DATE
JIM STASZ	28 NOV 00
01	REVISED 21 MAR 01
02	REVISED 01 MAR 02
03	REVISED 10/13/04
04	REVISED 01 MAR 05
05	J. Stasz
06	KIM FINCH
07	KIM FINCH
08	KIM FINCH
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100	KIM FINCH

11	ADDED BLDG. 'R' TO PARCEL 25	YOR	9/6/11
10	REVISED PRESERVATION AREA	JMC	7/18/08
9	UPDATED W/ UPLANDS INFRASTRUCTURE AND WF PH III ROAD AND GRADES	JMC	5/20/08
8	REV. TO SHOW EX. COND. & LANDSCAPE/REFORESTATION AREAS	BAM	3/22/07
7	ADDED 12/2003 TOPO / REV. PROP. GRADES	JMC	9/20/04
6	DISTURBED WETLAND AREAS REMOVED	MAM	7/29/02
5	TREE LINE/TREE SAVE AREA REDEFINED	MAM	7/15/02
4	FENCE SYMBOL REMOVED FROM PLAN	RHG	8/21/01
3	TREE LINE REDEFINED	RHG	6/11/01
2	PRESERVATION AREA LIMITS REDEFINED	RHG	5/7/01
1	ADDRESSED CLIENT COMMENTS	MAM	4/10/00
NO.	REVISIONS	BY	DATE
DESIGNED:	CAD STANDARDS VERSION:	MICROSTATION	MAN
DATE: MARCH 27, 2000	TECHNICIAN:	MAN	CHECKED: WKD

COPYRIGHT AND THE MAP PEOPLE PERMITTED USE NUMBER 2071148	
MAP	GRID
TAX MAP	ZONING CATEGORY:
WSSC 200 Sheet	
SITE DATUM	
HORIZONTAL:	
VERTICAL:	

TREE CONSERVATION PLAN TYPE II



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

TCP II PLAN

NATIONAL HARBOR

12TH / OXON HILL DISTRICT
PRINCE GEORGE'S COUNTY, MARYLAND

1" = 50'	
SHEET	5
OF	7
PROJECT NO.	1006-01

Loiederman
Softes Associates, Inc.
Rockville
Lanham
Frederick
Waldorf
Leonardtown
Chantilly
LANHAM OFFICE
4266 Forbes Boulevard
Lanham, MD 20706
t. 301.794.7555 f. 301.794.7656
www.LSAassociates.net

LEGEND

TREE PRESERVATION AREA	
TREE PROTECTION DEVICE	
SILT FENCE/TREE SAVE FENCE	SF
SUPER SILT FENCE/TREE SAVE FENCE	SSF
25' WETLAND BUFFER	WB
WETLAND LIMITS	WL
EXISTING TREE LINE	
PROPOSED TREE LINE	
LIMITS OF DISTURBANCE	LOD
CBCA LINE	CBCA
PROPERTY LINE	
MATCH LINE	
EXISTING EARTH DIKE	

SCALE: 1" = 50'
NCS DATUM



MATCHLINE SEE SHEET

MATCHLINE SEE SHEET 5

M-NCPPC PRINCE GEORGE'S COUNTY PLANNING DEPARTMENT ENVIRONMENTAL PLANNING SECTION APPROVAL TREE CONSERVATION PLAN TCP II / 36 / 00	
APPROVED BY	DATE
01 JLS/STG	28 NOV 00
02 REVISED PL MAP/01	JS
03 REVISED 01/01/01	JS
04 REVISED 01/01/01	JS
05 JLS/STG	7/21/00
06 KIM FINCH	1/13/01
07 KIM FINCH	10/13/01
08 KIM FINCH	06/01/02
09 KIM FINCH	7/21/02
10 KIM FINCH	10/21/02

9 ADDED BLDG. "S" TO PARCEL 24

YOR 9/8/11

JMC 10/7/08

JMC 10/7/08

BAM 3/20/07

JMC 5/20/04

MAM 7/15/02

RHG 6/11/01

RHG 5/7/01

MAM 4/10/00

BY DATE

NO.

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PERMITTED USE NUMBER 2071186

TAX MAP

ZONING CATEGORY:

WSBC 200' Street

SITE DATUM

HORIZONTAL:

VERTICAL:

DESIGNED:

TECHNICIAN: MAM

CHECKED: WLD

TREE
CONSERVATION PLAN
TYPE II

MISS UTILITY NOTE

INFORMATION CONCERNING EXISTING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS. THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION AND ELEVATION OF ALL EXISTING UTILITIES AND UTILITY CROSSINGS BY DIGGING TEST PITS BY HAND. WILL IN ADVANCE OF THE START OF EXCAVATION, CONTACT MISS UTILITY AT 1-800-285-7777, 48 HOURS PRIOR TO THE START OF EXCAVATION. IF CLEARANCES ARE LESS THAN SHOWN ON THIS PLAN OR TWELVE (12) INCHES, WHICHEVER IS LESS, CONTACT THE ENGINEER AND THE UTILITY COMPANY BEFORE PROCEEDING WITH CONSTRUCTION. CLEARANCES LESS THAN NOTED MAY REQUIRE REVISIONS TO THIS PLAN.

TCP II PLAN

NATIONAL HARBOR

12TH / OXON HILL DISTRICT
PRINCE GEORGE'S COUNTY, MARYLAND



1" = 50'

SHEET

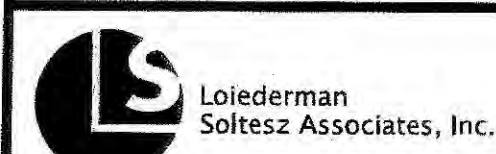
6

OF

7

PROJECT NO.

1008-01



LANHAM OFFICE

4266 Forbes Boulevard

Lanham, MD 20706

t. 301.794.7555 f. 301.794.7656

Engineering

Planning

Surveying

Environmental Sciences

www.LSAAssociates.net

SCALE: 1" = 50'
N
MSSC DATUM

MATCHLINE SEE SHEET 6

MATCHLINE SEE SHEET 5

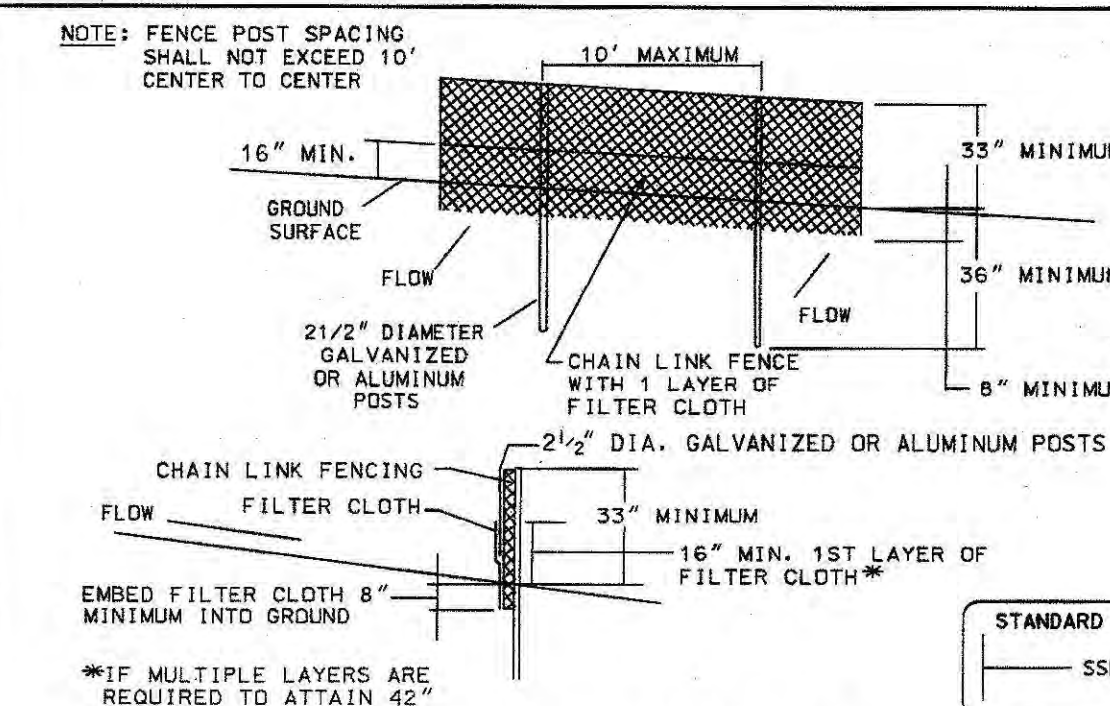
MATCHLINE SEE SHEET 4

PRESERVATION
AREA No. 2
0.54 Ac.

PRESERVATION
AREA No. 3
1.15 Ac.

CONTRACTOR
STAGING
AREA

DETAIL 33 - SUPER SILT FENCE/TREE PROTECTION DEVICE



- CONSTRUCTION SPECIFICATIONS
- Fencing shall be 42" in height and constructed in accordance with the latest Maryland State Highway Details for Chain Link Fencing. The specification for a 6' fence shall be used, substituting 42" fabric and 6' length posts.
 - Chain link fence shall be fastened securely to the fence posts with wire ties. The lower tension wire, brace and truss rods, drive anchors and post caps are not required except on the ends of the fence.
 - Filter cloth shall be fastened securely to the chain link fence with ties spaced every 24" at the top and mid section.
 - Filter cloth shall be embedded a minimum of 8" into the ground.
 - When two sections of filter cloth adjoin each other, they shall be overlapped by 6" and folded.
 - Maintenance shall be performed as needed and silt buildups removed when "bulges" develop in the silt fence, or when silt reaches 50% of fence height.
 - Filter cloth shall be fastened securely to each fence post with wire ties or staples at top and mid section and shall meet the following requirements for Geotextile Class F1:

Property	Requirement	Test Method
Tensile Strength	50 lbs/in (min.)	Test: MSMT 509
Tensile Modulus	20 lbs/in (min.)	Test: MSMT 509
Flow Rate	0.3 gal/ft ² /minute (max.)	Test: MSMT 322
Filtering Efficiency	75% (min.)	Test: MSMT 322

U.S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

PAGE
H - 26 - 3

MARYLAND DEPARTMENT OF ENVIRONMENT
WATER MANAGEMENT ADMINISTRATION

LEGEND

TREE PRESERVATION AREA	
TREE PROTECTION DEVICE	TPD
SILT FENCE/TREE SAVE FENCE	SF
SUPER SILT FENCE/TREE SAVE FENCE	SSF
25' WETLAND BUFFER	WB
WETLAND LIMITS	WL
EXISTING TREE LINE	
PROPOSED TREE LINE	
LIMITS OF DISTURBANCE	LOD
CBCA LINE	CBCA
PROPERTY LINE	
MATCH LINE	
EX. EARTH DIKE	

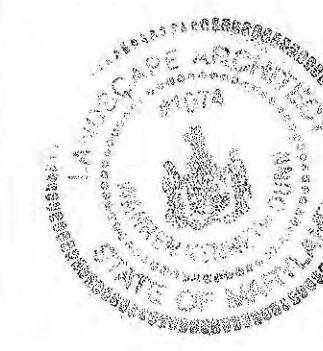
PRINCE GEORGE'S COUNTY PLANNING DEPARTMENT ENVIRONMENTAL PLANNING SECTION APPROVAL TREE CONSERVATION PLAN TCP II / 28 / 00	
APPROVED BY	DATE
JM STAS	28 NOV 00
01	REVISOR 21 MAR 01 JS
02	REVISOR BYR00 JS
03	REVISOR 10/13/04 JS
04	REVISOR 06/18/08 JS
05	J. Shaw 7/3/08
06	KIM FINCH 10/3/11
07	KIM FINCH 10/3/11
08	KIM FINCH 8/25/12
09	KIM FINCH 7/20/10
10	10/22/12

10	REVISED ON-SITE PRESERVATION AREA	JMC	07/18/08
9	UPDATED W/ UPLANDS INFRASTRUCTURE AND WF PH III ROAD AND GRADES	JMC	5/08/08
8	REV. TO SHOW EX. CONED & LANDSCAPE/REFORESTATION AREAS	BAM	3/20/07
7	ADDED 12/20/03 AERIAL TOPO & REV. PROP. GRADES	JMC	9/20/04
6	RELOCATED D. 49 AC. TREE SAVE AREA FURTHER NORTH	PTT	8/22/02
5	DISTURBED WETLAND AREAS REMOVED	MAM	7/25/02
4	TREE LINE/TREE SAVE AREA REDEFINED	MAM	7/15/02
3	FENCE SYMBOL REMOVED FROM PLAN	RHG	8/31/01
2	TREE LINE REDEFINED	RHG	6/11/01
1	PRESERVATION AREA LIMITS REDEFINED	RHG	5/7/01
0	ADDRESSED CLIENT COMMENTS	MAM	4/10/00

DATE:	MARCH 27, 2000	CAD STANDARDS VERSION:		MICROSTATION:		CHECKED:	WKO
DESIGNED:		TECHNICIAN:	MAM				

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TAX MAP	ZONING CATEGORY
WSSC 200 Sheet	
SITE DATUM	
HORIZONTAL:	
VERTICAL:	

TREE CONSERVATION PLAN TYPE II



MISS UTILITY NOTE

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TCP II PLAN

NATIONAL HARBOR

12TH / OXON HILL DISTRICT
PRINCE GEORGE'S COUNTY, MARYLAND

1" = 50'
SHEET 7
OF 7
PROJECT NO. 1008-01

Loiederman Sotess Associates, Inc.

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Lanham
Frederick
Waldorf
Leonardtown
Chantilly

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