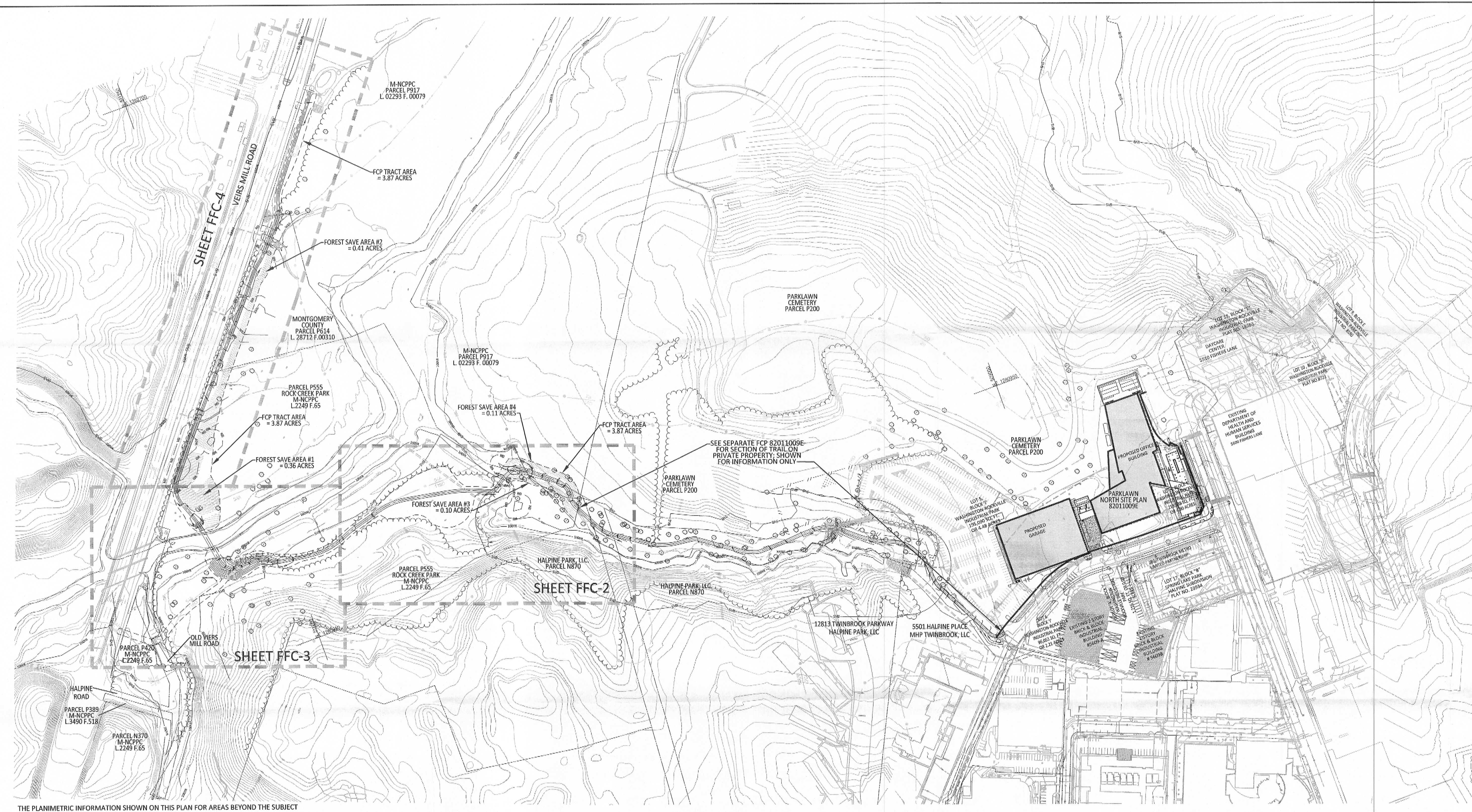


GENERAL FCP NOTES

- THE SUBJECT PROPERTY FOR THIS FCP COMPRISES PORTIONS OF ROCK CREEK PARK PARCELS P555, P917, P614 AND P420 AS DETAILED BELOW:
- SEE SEPARATE FCP #20110096 FOR THE SECTION OF TRAIL WHICH IS LOCATED ON PRIVATE PROPERTY.
- THE HORIZONTAL DATUM IS BASED ON THE FOLLOWING NGS CONTROL STATIONS (NAD83):
 #20228 - WSC SURVEY DISK IN A CONCRETE MONUMENT FOUND ALONG GREAT FALLS ROAD, 0.6 MILES FROM INTERSECTION WITH WEST MONTGOMERY AVENUE. NORTH 53433.35 EAST 326890.04
 #20113 - WSC SURVEY DISK IN A CONCRETE MONUMENT FOUND AT THE PARKING AREA AT THE ROCKVILLE CIVIC CENTER ON EDMONSTON DRIVE. NORTH 504116.74 EAST 3282308.09
- THE VERTICAL DATUM IS BASED ON THE FOLLOWING W.S.S.C. BENCHMARKS (NGVD29):
 BM #1828 - BRASS DISK FOUND IN TOP OF CONCRETE CURB AT THE N.W. CORNER OF SHOPPINGCENTER, SOUTH SIDE OF MONTROSE ROAD. ELEV. = 398.46
 BM #2920 - STAMPED USCG65 BRASS DISK FOUND ON S.E. SIDE OF CSX RAILROAD TRACK IN FACE OF S.E. PILLAR, 400' N.W. OF FRANKLIN ROAD. ELEV. = 395.87
- THE TOPOGRAPHIC DATA SHOWN HEREON IS BASED ON MARYLAND STATE PLANE, NAD 83/93, HORIZONTAL DATUM AND NATIONAL GEODETIC VERTICAL DATUM OF 1929, AND IS A COMPILATION OF FIELD LOCATIONS PERFORMED BY VIA INC. IN AUGUST OF 2011 AND PARK AND PLANNING GIS TOPOGRAPHIC MAPS. THE BOUNDARY AND RIGHT OF WAY LINES SHOWN HEREON ARE BASED ON MARYLAND STATE PLANE, NAD 83/93, COORDINATES ESTABLISHED ON THE CONSTRUCTION CENTERLINE AS SHOWN ON STATE OF MARYLAND, STATE HIGHWAY ADMINISTRATION, STATE ROAD COMMISSION PLAT NOS. 20023, 20274, 20025, AND 20026. NO FIELD RESEARCH WAS PERFORMED BY VIA INC. TO VERIFY THE BOUNDARY AND RIGHT OF WAY LINES SHOWN HEREON.
- THE SUBJECT PROPERTY IS LOCATED IN ZONE "X" (AREA OF 0.2% ANNUAL CHANCE OF FLOOD) AS SHOWN ON FLOOD INSURANCE RATE MAP (FIRM) COMMUNITY PLANS NO. 24033C0300, FOR MONTGOMERY COUNTY, MARYLAND, DATED SEPTEMBER 29, 2006.
- THE SUBJECT PROPERTY IS LOCATED IN THE ROCK CREEK WATERSHED, A USE CLASS I-P STREAM.
- THE SUBJECT PROPERTY IS NOT WITHIN AN SPA OR PMA. THERE ARE WATERS OF THE UNITED STATES, WETLANDS, 100 YEAR FLOOD PLAINS AND THEIR ASSOCIATED BUFFERS LOCATED ON THE SUBJECT PROPERTY AS SHOWN ON THIS PLAN. WETLANDS AND WATERS OF THE U.S. WERE DELINEATED BY BRIAN BARTELL, RLA AND PYLE ASHRAUF OF ECOTONE, INC. DURING FIELD WORK CONDUCTED ON AUGUST 11, 2011. A DETERMINATION HAS BEEN MADE THAT THERE ARE NO FEDERAL OR STATE RECORDS OF ANY RARE, THREATENED OR ENDANGERED SPECIES WITHIN THE BOUNDARIES OF THE SUBJECT PROPERTY AS DELINEATED.
- THE SUBJECT PROPERTY IS NOT IDENTIFIED IN THE MONTGOMERY COUNTY LOCATION ATLAS AND INDEX OF HISTORIC SITES. THE SITE IS ADJACENT TO THE WILKINS ESTATE, LISTED IN THE ATLAS AS #001000A.
- THIS SITE IS SUBJECT TO NRI 420120500 APPROVED 4/8/2014.
- THERE ARE 2.30 ACRES OF FOREST WITHIN FCP TRACT AREA.
- SEE THE SIGNIFICANT AND SPECIMEN TREE LISTS ON SHEET FFC-5 FOR INFORMATION REGARDING THE SIGNIFICANT TREES ON PARKLAND.
- SEE THE SIGNIFICANT AND SPECIMEN TREE LISTS ON SHEET FFC-5 FOR INFORMATION REGARDING THE SPECIMEN TREES ON PARKLAND.
- THERE ARE NO CHAMPION TREES OR TREES 75% OF THE STATE CHAMPION WITHIN THE SUBJECT PROPERTY.
- A TREE VARIANCE REQUEST IS BEING SUBMITTED WITH THIS FCP TO IMPACT THE CRITICAL ROOT ZONE OF TEN (10) SPECIMEN TREES, OF WHICH TWO (2) ARE PROPOSED FOR REMOVAL AND EIGHT (8) ARE PROPOSED TO BE PRESERVED.
- THERE ARE SIX SOIL TYPES WITHIN THE SUBJECT PROPERTY AS SHOWN ON THE PLAN AND DETAILED IN THE SOIL TABLE ON THIS SHEET.
- THE UNDERGROUND UTILITIES SHOWN HEREON WERE COMPILED FROM RECORDS RESEARCH AND SURFACE INSPECTION. THEIR LOCATION IS APPROXIMATE AND DOES NOT REPRESENT AN UNDERGROUND FIELD SURVEY.
- 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. ATTENDEES AT THE PRE-CONSTRUCTION MEETING TO INCLUDE: THE DEVELOPER'S REPRESENTATIVE, THE CONSTRUCTION SUPERINTENDENT, M-NCPPC DEPT. OF PARKS ARBORIST HARBERT WHYTE (301-483-5419), M-NCPPC FOREST CONSERVATION INSPECTOR, DAVID WIGGLESWORTH (301-495-4581), AND THE DPS SEDIMENT CONTROL INSPECTOR. THE CONTRACTOR SHALL GIVE 48 HOURS ADVANCE NOTICE TO THE PRE-CONSTRUCTION MEETING ATTENDEES.
- THE CONTRACTOR SHALL TAKE EXTREME CAUTION NOT TO DISTURB THE EXISTING VEGETATION OUTSIDE THE LIMITS OF DISTURBANCE. SOIL STABILIZATION SHALL CONFORM TO THE "1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL".
- CLEARING AND GRUBBING SHALL OCCUR ONLY WITHIN THE LIMITS OF DISTURBANCE AS NOTED ON THE PLANS. GRADING SHALL BE ACCOMPLISHED IN SUCH A MANNER TO ENSURE POSITIVE DRAINAGE DURING CONSTRUCTION. OUTSIDE OF FORESTED AREAS, ABOVE THE UPPER OPEN MEADOW AREAS, THE CONTRACTOR SHALL TOPSOIL, SEED, AND MULCH ALL DISTURBED AREAS UNLESS OTHERWISE NOTED ON THE PLANS. WITHIN FORESTED AREAS, THE CONTRACTOR SHALL TOPSOIL AND MULCH ALL DISTURBED AREAS UNLESS OTHERWISE NOTED ON THE PLANS. MULCH SHALL NOT CONTAIN INVASIVE PLANTS OR SEEDS.
- NO EXCAVATED MATERIAL SHALL BE STOCKPILED WITHIN THE 100-YEAR FLOODPLAIN, WETLANDS, WETLAND BUFFERS, OR CRITICAL ROOT ZONES OF SIGNIFICANT OR SPECIMEN TREES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING ALL NECESSARY ARRANGEMENTS TO STORE ANY EXCAVATED MATERIAL AT A LOCATION OUTSIDE OF THE 100-YEAR FLOODPLAIN, WETLANDS, WETLAND BUFFERS AND CRITICAL ROOT ZONES OF SIGNIFICANT AND SPECIMEN TREES.
- SEEDING IN THE WETLANDS AND WETLAND BUFFERS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF "BEST MANAGEMENT PRACTICES FOR WORKING IN NON-TIDAL WETLANDS, WETLAND BUFFERS AND WATERWAYS."
- CONTRACTOR SHALL LIMIT THE AREA IN WHICH WORK IS PERFORMED TO THE LIMIT OF DISTURBANCE AS SHOWN ON THE SEDIMENT AND EROSION CONTROL PLAN WHICH IS THE SAME LIMIT OF DISTURBANCE SHOWN ON THIS PLAN.
- AS SHOWN ON THIS PLAN, NINE TREES ALONG VIERS MILL ROAD, WHICH ARE IMPACTED BY THE PROPOSED TRAIL, ARE TO BE FIELD RELOCATED 5' FROM THE PROPOSED TRAIL UNDER THE SUPERVISION OF THE M-NCPPC DEPT. OF PARKS ARBORIST. SEE SHEET FFC-4.
- IF THERE IS ANY DISCREPANCY OR INFORMATION FOUND ON THESE PLANS, EXISTING OR PROPOSED, OR DEVIATION FROM THESE PLANS OR SPECIFIC REQUIREMENTS, THE CONTRACTOR IS RESPONSIBLE TO NOTIFY AND CONTACT THE LANDSCAPE ARCHITECT AS SOON AS THE DISCREPANCY OR DEVIATION IS NOTED. FAILURE TO DO SO COULD RESULT IN THE CONTRACTOR BEARING THE BURDEN, FINANCIAL OR OTHERWISE, WHICH RESULTS FROM REMOVAL, RECONSTRUCTION, OR REPLACEMENT OF ALL NECESSARY TREES DUE TO THE DISCREPANCY.
- A PARK PERMIT IS REQUIRED FOR ANY AND ALL WORK ON M-NCPPC PARK PROPERTY.
- ROOT PRUNING IS SHOWN IN AREAS OF CUT AND AREAS WHERE THE TRAIL IS AT GRADE. IT IS LOCATED AT THE LOD BUT IS SHOWN OFF-SET FOR LEGIBILITY. THE FINAL LOCATION OF ALL ROOT PRUNING WILL BE DETERMINED IN THE FIELD BY THE M-NCPPC DEPARTMENT OF PARKS ARBORIST AND THE FOREST INSPECTOR.
- ARMORED TREE PROTECTION WILL BE REQUIRED FOR ALL TREES TO REMAIN WITHIN 5' OF THE LOD, OR PER THE DEPARTMENT OF PARKS ARBORIST. SEE DETAIL SHEET FFC-6.
- TREE PROTECTION FENCING WITH SIGNAGE IS LOCATED AT THE TRAIL LOD BUT IS SHOWN OFF-SET FOR LEGIBILITY. THE FINAL LOCATION OF ANY TREE PROTECTION FENCING IS TO BE DETERMINED IN THE FIELD BY THE DEPARTMENT OF PARKS ARBORIST, DPS SEC INSPECTOR AND THE M-NCPPC FOREST INSPECTOR.



THE PLANIMETRIC INFORMATION SHOWN ON THIS PLAN FOR AREAS BEYOND THE SUBJECT PROPERTY IS BASED IN PART ON COPYRIGHTED GIS DATA FROM M-NCPPC, AND MAY NOT BE COPIED OR REPRODUCED WITHOUT EXPRESS WRITTEN PERMISSION FROM M-NCPPC.

SOILS TABLE

SYMBOL	SOIL	CHARACTERISTICS					K FACTOR
		PRIME AGRICULTURE	ERODIBLE	SERPENTINE	HYDRIC GROUP		
41B	ELSNBORO SILT LOAM 3-8% SLOPES	YES*	SLIGHT	NO	B	0.37	
53A	CODORUS SILT LOAM 0-3% SLOPES OCCASIONALLY FLOODED	NO	SLIGHT	NO	C	0.49	
54A	HATBORO SILT LOAM 0-3% SLOPES FREQUENTLY FLOODED WHEATON-URBAN LAND COMPLEX 0-8% SLOPES	NO	SLIGHT	NO	D	0.49	
66UB	BLOCKTOWN CHANNERY SILT LOAM 15-25% SLOPES VERY ROCKY	NO	MODERATE	NO	C/D	0.24	
116D	BLOCKTOWN CHANNERY SILT LOAM 25-45% SLOPES VERY ROCKY	NO	SEVERE	NO	C/D	0.24	

* (Urban or built-up areas of the prime agricultural soils are not considered prime farmland per the Soil Survey of Montgomery County, Maryland Page 140, Table 5)

FCP ENVIRONMENTAL SUMMARY TABLE

ACREAGE OF TRACT	TRAIL LOD ON PARKLAND
ACREAGE OF TRACT REMAINING IN AGRICULTURAL USE	0.00
ACREAGE OF ROAD & UTILITY ROWS WHICH WILL NOT BE IMPROVED AS PART OF DEVELOPMENT APPLICATION	0.00
ACREAGE OF STREAM VALLEY BUFFER	2.46
ACREAGE OF TOTAL EXISTING FOREST	2.30
ACREAGE OF TOTAL FOREST RETENTION	0.98
ACREAGE OF TOTAL FOREST CLEARED	1.32
LAND USE CATEGORY & CONSERVATION & AFFORESTATION THRESHOLDS SEC. 22A-12(a) FOREST CONS. LAW	MPD: 15% / 15% Retained: 0.07 Cleared: 0.12 Planted: 0.00
ACREAGE OF FOREST RETAINED, CLEARED & PLANTED WITHIN WETLANDS	Retained: 0.77 Cleared: 0.85 Planted: 0.00
ACREAGE OF FOREST RETAINED, CLEARED & PLANTED WITHIN STREAM BUFFERS	Retained: 0.83 Cleared: 1.14 Planted: 0.00
ACREAGE OF FOREST RETAINED, CLEARED & PLANTED WITHIN PRIORITY AREAS	Retained: 0.98 Cleared: 1.32 Planted: 0.00
LINEAR FEET AND AVERAGE WIDTH STREAM BUFFER PROVIDED	Linear Feet: 1326' Average Width: 150'

FCP WORKSHEET

NET TRACT AREA:

A. Total tract area: 3.87
 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 = 3.87

LAND USE CATEGORY: (from Trees Technical Manual)
 Input the number "1" under the appropriate land use, limit to only one

AREA	MDR	IDA	HDR	MPD	CIA
0	0	0	0	0	1

G. Afforestation Threshold: 15% x F = 0.58
 H. Conservation Threshold: 15% x F = 0.58

EXISTING FOREST COVER:

I. Existing forest cover = 2.30

J. Area of forest above afforestation threshold = 1.72
 K. Area of forest above conservation threshold = 1.72

BREAK EVEN POINT:

L. Forest retention above threshold with no mitigation = 0.92
 M. Clearing permitted without mitigation = 1.38

PROPOSED FOREST CLEARING:

N. Total area of forest to be cleared = 1.32
 O. Total area of forest to be retained = 0.98

PLANTING REQUIREMENTS:

P. Reforestation for clearing above conservation threshold = 0.33
 Q. Reforestation for clearing below conservation threshold = 0.00
 R. Credit for retention above conservation threshold = 0.40
 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

FOREST PRESERVED

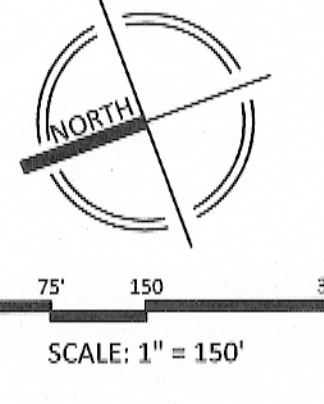
AREA	FOREST PRESERVED (ACRES)	PRIORITY AREAS (ACRES)			
		WETLANDS	FLOODPLAIN	STREAM BUFFER	STEEP SLOPES
Area #1	0.36	0.02	0.36	0.36	0.00
Area #2	0.41	0.05	0.41	0.41	0.00
Area #3	0.10	0.00	0.00	0.03	0.00
Area #4	0.11	0.002	0.00	0.03	0.00
TOTAL	0.98	0.072	0.77	0.83	0.00

FOREST IMPACT

AREA	FOREST IMPACT (ACRES)	PRIORITY AREAS (ACRES)			
		WETLANDS	FLOODPLAIN	STREAM BUFFER	STEEP SLOPES
Forested LOD	1.32	0.12	0.85	1.14	0.00

LEGEND

PROPERTY LINES EX. 10' CONTOUR EX. 2' CONTOUR	PROPOSED 10' CONTOUR	PROPOSED 2' CONTOUR	10' WIDE HIKER-BIKER TRAIL	EXISTING FOREST	WETLANDS
WB	WUS	SVB	100 YR	BRL	WET
WETLAND BUFFER	WATERS OF THE US	STREAM VALLEY BUFFER	100 YR FLOODPLAIN	CATEGORY I FOREST CONSERVATION EASEMENT	
			25' FLOODPLAIN BRL	FOREST LINE	
			SOILS	EXISTING NRI TREES	



FOR LOCATION OF UTILITIES CALL 8-1-1 or 1-800-257-7777 OR LOG ON TO www.call811.com or http://www.missutility.net 48 HOURS IN ADVANCE OF ANY WORK IN THIS VICINITY

THE MARYLAND-NATIONAL CAPITAL PARK AND PLANNING COMMISSION
 Final Forest Conservation Plan
APPROVAL
 Plan No. SC2014021
 Signature: [Signature] 10/31/14
 Date

SHEET INDEX

FFC-1	COMPOSITE FINAL FOREST CONSERVATION PLAN
FFC-2	DETAILED FINAL FOREST CONSERVATION PLAN
FFC-3	DETAILED FINAL FOREST CONSERVATION PLAN
FFC-4	DETAILED FINAL FOREST CONSERVATION PLAN
FFC-5	NOTES, TABLES AND SCHEDULES
FFC-6	DETAILS

DEVELOPER'S CERTIFICATE
 THE UNDERSIGNED AGREES TO EXECUTE ALL THE FEATURES OF THE APPROVED FINAL FOREST CONSERVATION PLAN NO. SC2014021 INCLUDING FINANCIAL BONDING, FOREST PLANTING, MAINTENANCE, AND ALL OTHER APPLICABLE AGREEMENTS.

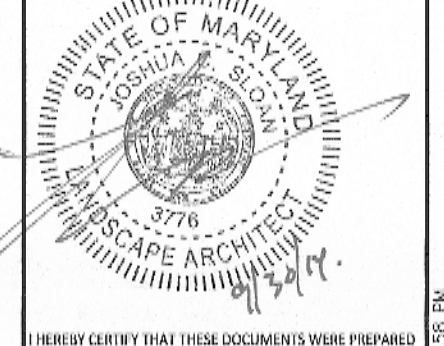
DEVELOPER'S NAME: MARYLAND-NATIONAL CAPITAL PARK & PLANNING COMMISSION
 CONTACT PERSON OR OWNER: WILLIAM PATTON, Marian Flanagan
 ADDRESS: 9500 BRUNETT AVENUE, SILVER SPRING, MARYLAND 20901
 PHONE: (301) 495-3987
 SIGNATURE: [Signature] 10/31/14
 DATE

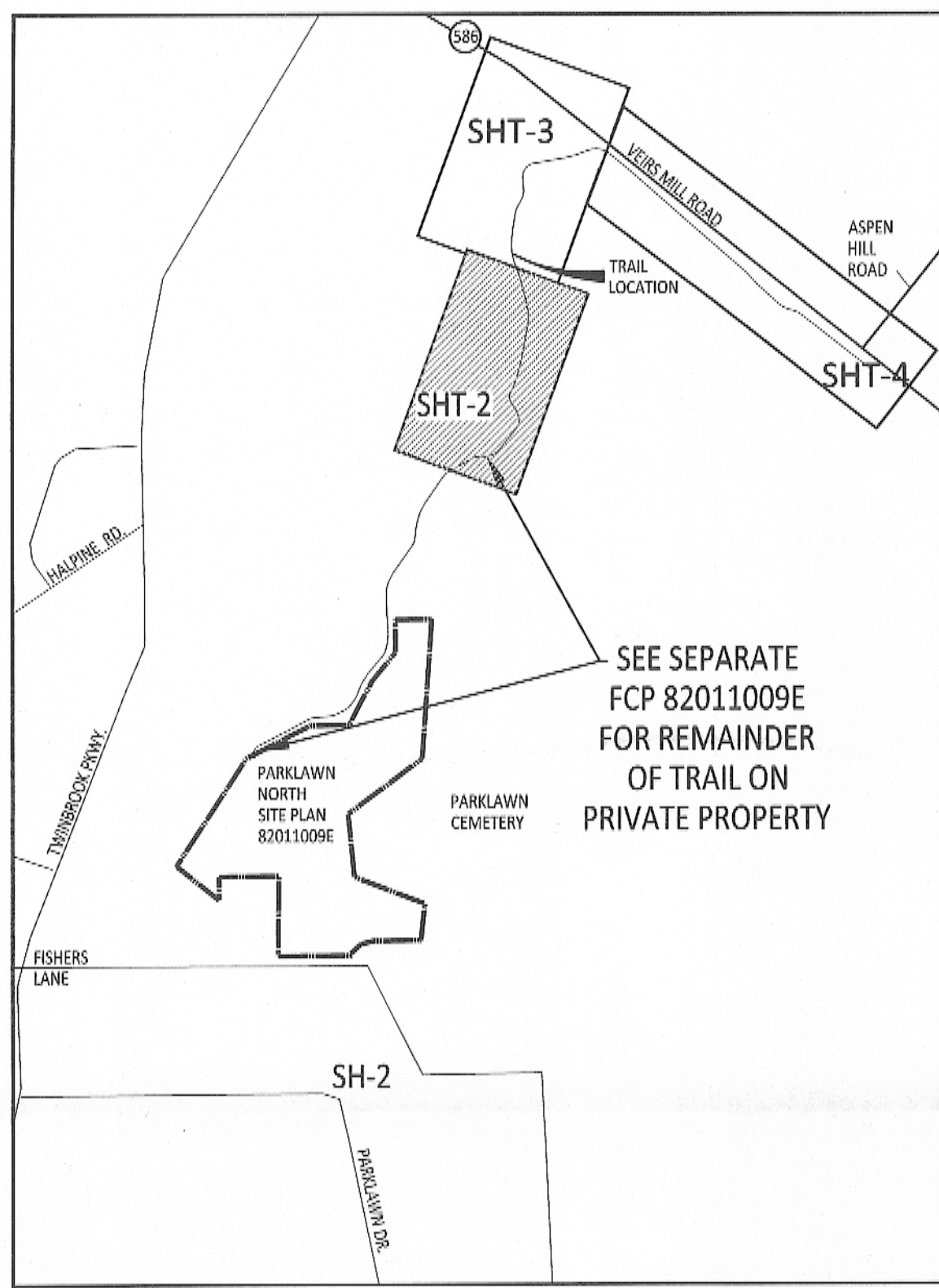
RECEIVED M-NCPPC
 OCT 16 2014
 MONTGOMERY COUNTY PLANNING DEPARTMENT

**COMPOSITE
 PARKLAND TRAIL
 FINAL FOREST CONSERVATION PLAN
 SC2014021**

WSSC MAP 216NW05 TAX MAP HR121

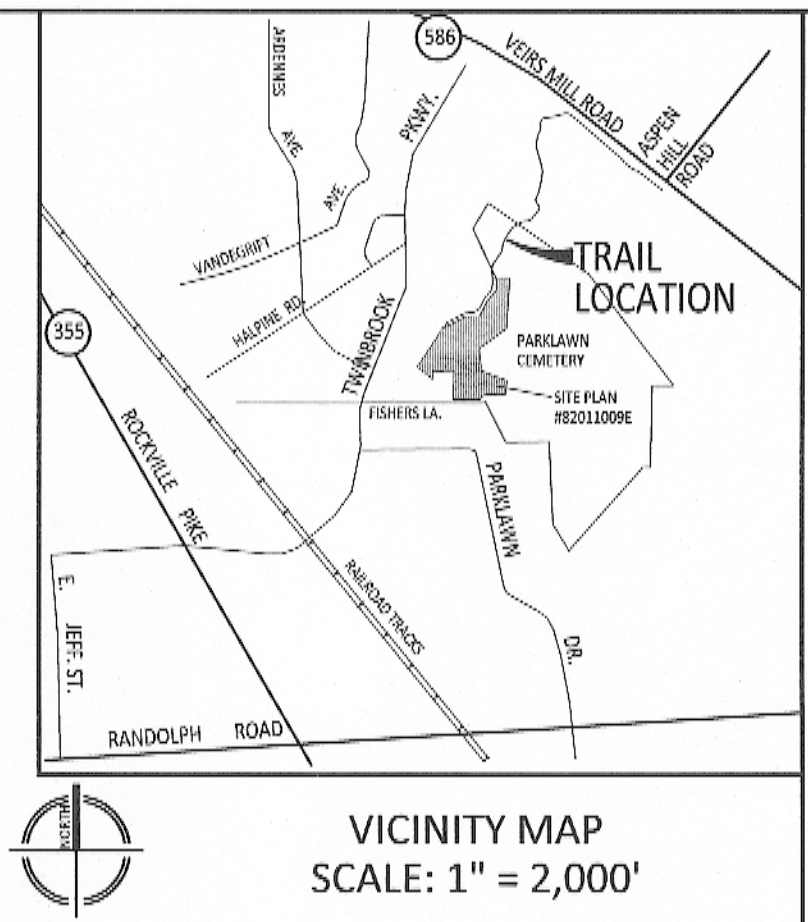
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REVISED PER REVIEWER'S COMMENTS	07/11/14
INITIAL SUBMISSION	05/07/2014
DATE:	JANUARY, 2014
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SHEET NO.	FFC-1



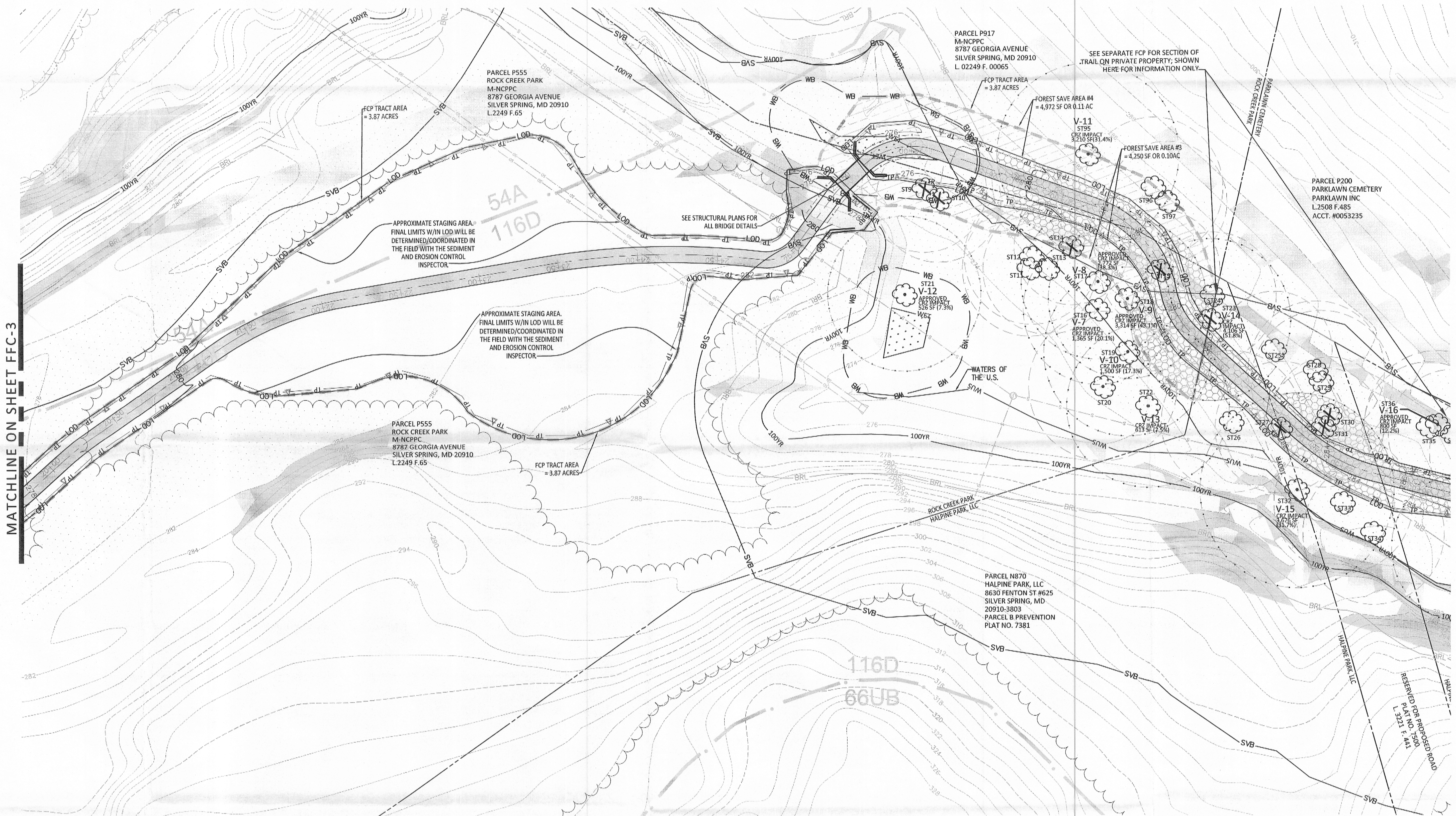


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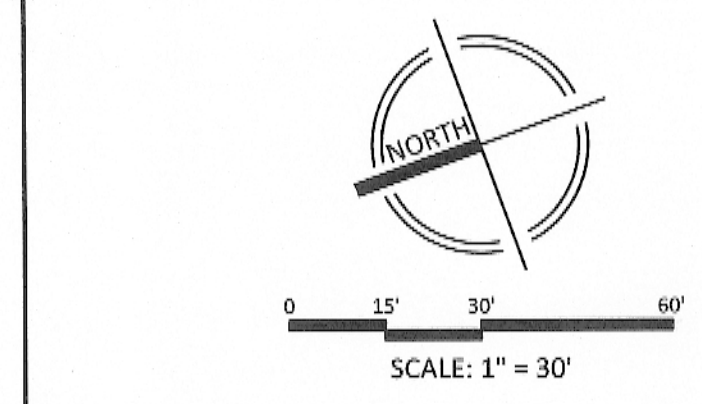
SEE SEPARATE FCP 82011009E FOR REMAINDER OF TRAIL ON PRIVATE PROPERTY



VICINITY MAP
SCALE: 1" = 2,000'



MATCHLINE ON SHEET FCC-3



FOR LOCATION OF UTILITIES CALL 8-1-1 OR 1-800-257-7777 OR LOG ON TO www.call811.com OR http://www.misutility.net 48 HOURS IN ADVANCE OF ANY WORK IN THIS VICINITY

LEGEND

<p>PROPERTY LINES</p> <p>EX. 10' CONTOUR</p> <p>EX. 2' CONTOUR</p> <p>PROPOSED 10' CONTOUR</p> <p>PROPOSED 2' CONTOUR</p> <p>PROPOSED SPLIT RAIL FENCE</p> <p>EXISTING STORM DRAIN</p> <p>EXISTING SANITARY SEWER WITH STRUCTURE</p> <p>10' WIDE HIKER-BIKER TRAIL</p> <p>SOILS</p> <p>54A</p> <p>116D</p> <p>EXISTING FOREST LINE</p> <p>LIMITS OF DISTURBANCE</p>	<p>TP</p> <p>TP/RP</p> <p>SF</p> <p>FL-1B</p> <p>WET</p> <p>WEP</p> <p>WB</p> <p>WUS</p> <p>SVB</p> <p>100 YR</p> <p>BRL</p>	<p>CONSTRUCTION TREE PROTECTION FENCING W/SIGNAGE AT LIMITS OF DISTURBANCE</p> <p>ROOT PRUNING TRENCH & CONSTRUCTION TREE PROTECTION FENCING W/SIGNAGE AT LIMITS OF DISTURBANCE</p> <p>SILT FENCE (SEE SEC PLAN FOR DETAILS)</p> <p>FILTER LOGS (SEE SEC PLAN FOR DETAILS)</p> <p>WETLANDS</p> <p>EXISTING FOREST</p> <p>FOREST PRESERVATION</p> <p>WETLAND BUFFER</p> <p>WATERS OF THE US</p> <p>STREAM VALLEY BUFFER</p> <p>100 YR FLOODPLAIN</p> <p>25' FLOODPLAIN BRL</p>	<p>EXISTING TREE <24" DBH</p> <p>EXISTING SIGNIFICANT TREE >24" TO <30" DBH PER NRI 420120500 TO REMAIN (CRZ SHOWN ONLY IF IMPACTED BY LOD)</p> <p>EXISTING SIGNIFICANT TREE >24" TO <30" DBH PER NRI 420120500 TO BE REMOVED (CRZ SHOWN ONLY IF IMPACTED BY LOD)</p> <p>EXISTING SPECIMEN TREE ≥30" DBH PER NRI 420120500 FOR WHICH A VARIANCE REQUEST IS BEING SUBMITTED WITH THIS PLAN TO IMPACT THE CRITICAL ROOT ZONE. (CRZ SHOWN ONLY IF IMPACTED BY LOD)</p> <p>SPECIMEN TREE PER NRI 420120500 W/VARIANCE CRZ IMPACT AREA SHOWN</p> <p>SPECIMEN TREE PER NRI42012050A TO BE REMOVED</p>
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THE MARYLAND-NATIONAL CAPITAL PARK AND PLANNING COMMISSION
Final Forest Conservation Plan
APPROVAL
Plan No. SC2014021
Signature: *Allen Frey* 10/31/14
Date

RECEIVED
M-NCPPC
OCT 16 2014
MONTGOMERY COUNTY PLANNING DEPARTMENT

DEVELOPER'S CERTIFICATE
THE UNDERSIGNED AGREES TO EXECUTE ALL THE FEATURES OF THE APPROVED FINAL FOREST CONSERVATION PLAN NO. SC2014021, INCLUDING FINANCIAL BONDING, FOREST PLANTING, MAINTENANCE, AND ALL OTHER APPLICABLE AGREEMENTS.

DEVELOPER'S NAME: MARYLAND-NATIONAL CAPITAL PARK & PLANNING COMMISSION
CONTACT PERSON OR OWNER: WILLIAM PATTON
ADDRESS: 9500 BRUNNET AVENUE, SILVER SPRING, MARYLAND 20901
PHONE: (301) 495-3587
SIGNATURE: *M. S. C.* 10/14/14

REVISED PER REVIEWER'S COMMENTS 09/22/14
REVISED PER REVIEWER'S COMMENTS 07/11/14
INITIAL SUBMISSION 05/07/2014
DATE: JANUARY, 2014
DES. DWN.
IS NRP
SCALE: 1"=30'
PROJECT/FILE NO. 6442N
SHEET NO. FCC-2

FINAL FOREST CONSERVATION PLAN
PARKLAWN NORTH PARKLAND TRAIL
M-NCPPC FCP # SC2014021

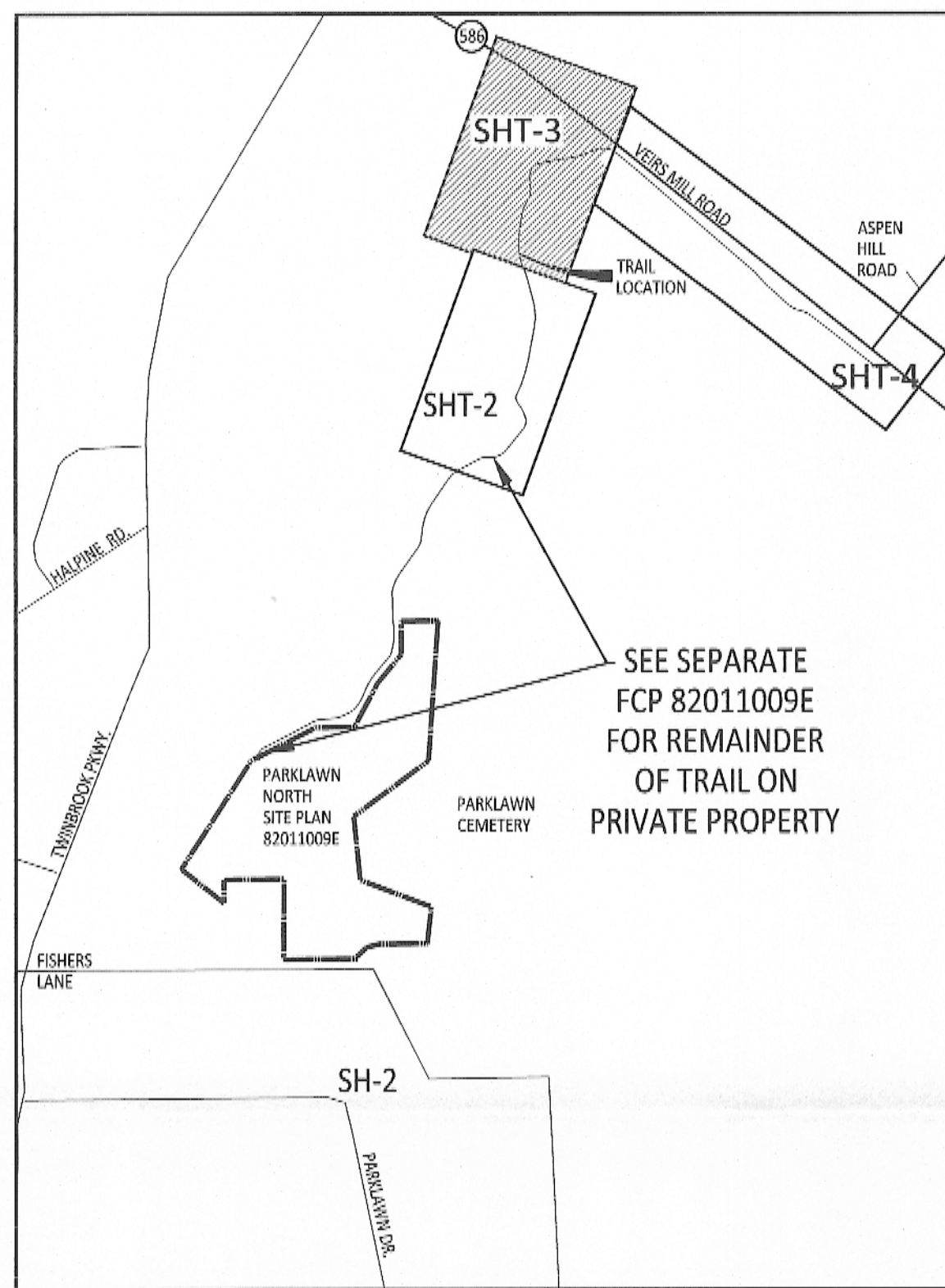
VKA
ENGINEERS PLANNERS LANDSCAPE ARCHITECTS SURVEYORS MEPS SERVICES
1000 WOODBRIDGE DRIVE
20251 CENTURY ROUTE ROAD, SUITE 400 GERMANTOWN, MD 20874
(301) 916-4100 FAX (301) 916-2362
GERMANTOWN, MD

**PARKLAWN NORTH TRAIL
PARCELS P420 & P555**
ROCK CREEK PARK
ROCKVILLE, MARYLAND
ELECTION DISTRICT 4
MONTGOMERY COUNTY, MARYLAND

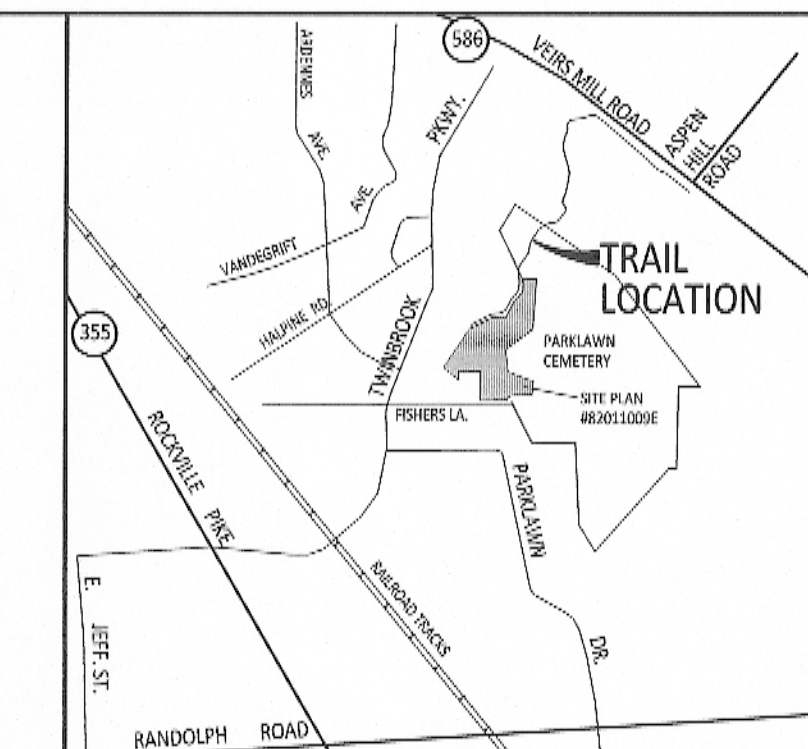
**DETAILED
PARKLAND TRAIL
FINAL FOREST CONSERVATION PLAN
SC2014021**
WSSC MAP 216NW05 TAX MAP HR121

STATE OF MARYLAND
PLANNING DEPARTMENT
MONTGOMERY COUNTY
PLANNING DEPARTMENT

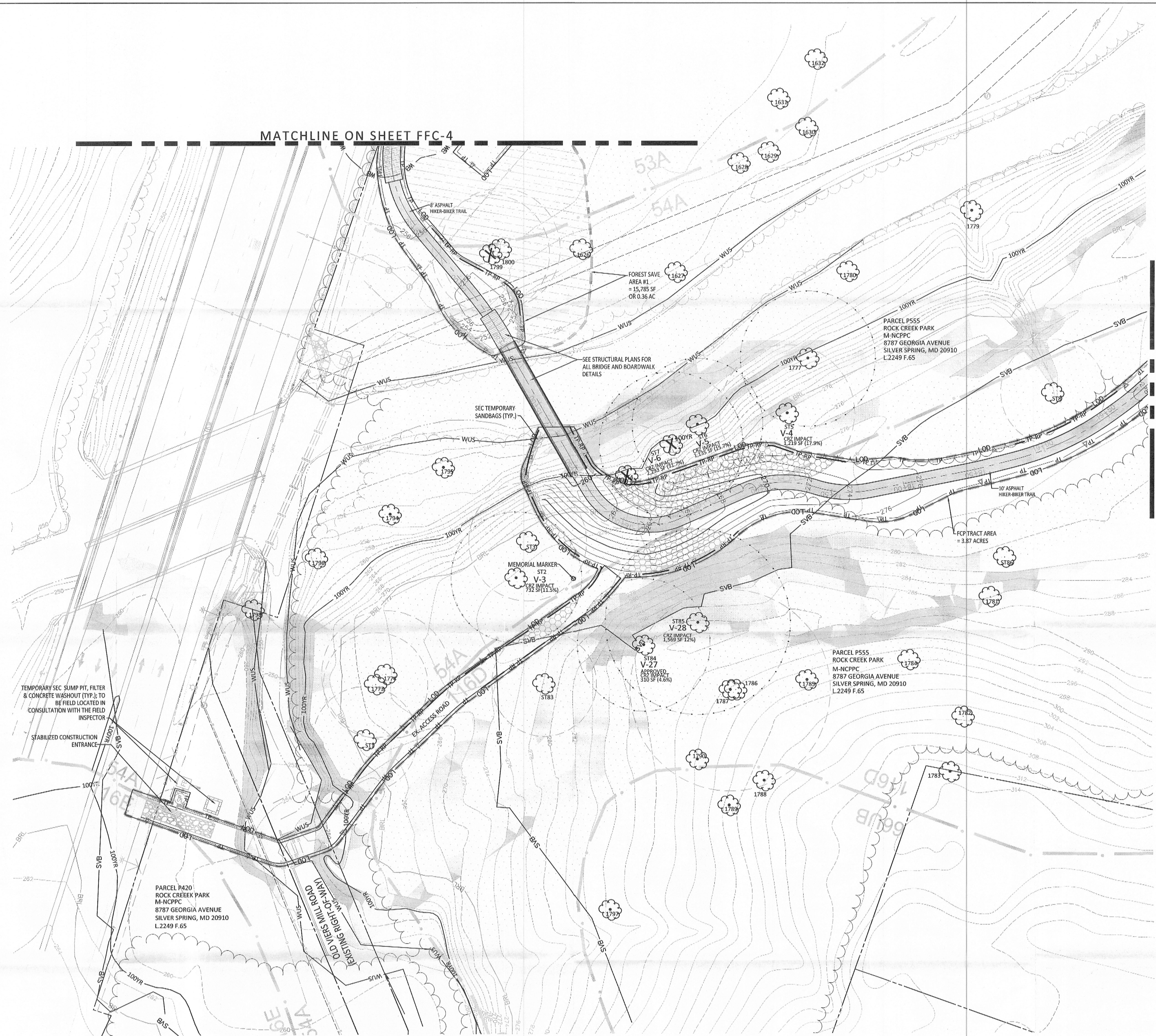
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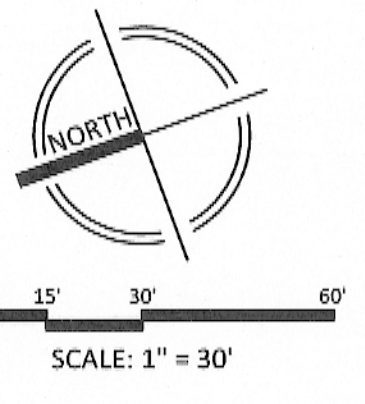


VICINITY MAP
SCALE: 1" = 2,000'



LEGEND

---	PROPERTY LINES	TP	CONSTRUCTION TREE PROTECTION FENCING W/SIGNAGE AT LIMITS OF DISTURBANCE	○	EXISTING TREE <24" DBH
- - -	EX. 10' CONTOUR	TP/RP	ROOT PRUNING TRENCH & CONSTRUCTION TREE PROTECTION FENCING W/SIGNAGE AT LIMITS OF DISTURBANCE	○	EXISTING SIGNIFICANT TREE >24" TO <30" DBH PER NRI 420120500 TO REMAIN (CRZ SHOWN ONLY IF IMPACTED BY LOD)
- - -	EX. 2' CONTOUR	FL-18	SILT FENCE (SEE SEC PLAN FOR DETAILS)	○	EXISTING SIGNIFICANT TREE >24" TO <30" DBH PER NRI 420120500 TO BE REMOVED (CRZ SHOWN ONLY IF IMPACTED BY LOD)
- - -	PROPOSED 10' CONTOUR	WET	WETLANDS	○	EXISTING SPECIMEN TREE >30" DBH PER NRI 420120500 FOR WHICH A VARIANCE REQUEST IS BEING SUBMITTED WITH THIS PLAN TO IMPACT THE CRITICAL ROOT ZONE (CRZ SHOWN ONLY IF IMPACTED BY LOD)
- - -	PROPOSED 2' CONTOUR	WET	EXISTING FOREST	○	SPECIMEN TREE PER NRI 420120500 W/VARIANCE CRZ IMPACT AREA SHOWN
- - -	PROPOSED SPLIT RAIL FENCE	WET	FOREST PRESERVATION	○	EXISTING TREE PER NRI 420120500A TO BE REMOVED
- - -	EXISTING STORM DRAIN	WET	WETLAND BUFFER	○	
- - -	EXISTING SANITARY SEWER WITH STRUCTURE	WET	WATERS OF THE US	○	
- - -	10' WIDE HIKER-BIKER TRAIL	WET	STREAM VALLEY BUFFER	○	
- - -	STEEP SLOPES 15%-25%	WET	100 YR FLOODPLAIN	○	
- - -	STEEP SLOPES 25% AND ABOVE	WET	25' FLOODPLAIN BRL	○	
- - -	SOILS	WET		○	
- - -	EXISTING FOREST LINE	WET		○	
- - -	LIMITS OF DISTURBANCE	WET		○	

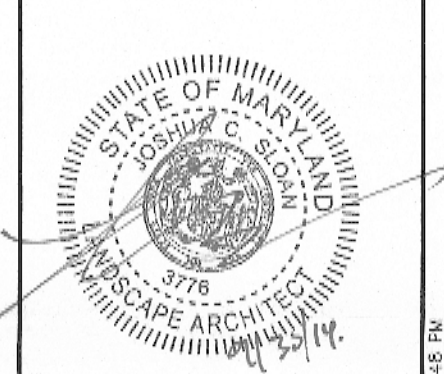


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VIA
INCORPORATED
ENGINEERS/PLANNERS/LANDSCAPE ARCHITECTS/SURVEYORS/MBPS SERVICES
20251 CENTURY BOULEVARD SUITE 400 BETHESDA, MD 20874
1801 316-1000 FAX 301-916-2662
GERRYSTOWN, MD MEGA, VA

PARKLAWN NORTH TRAIL
PARCELS P420 & P555
ROCK CREEK PARK
ROCKVILLE, MARYLAND
ELECTION DISTRICT 4
MONTGOMERY COUNTY, MARYLAND

DETAILED PARKLAND TRAIL
FINAL FOREST CONSERVATION PLAN
SC2014021
WSSC MAP 216NW05 TAX MAP HR.121



I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND THAT I AM A LICENSED REGISTERED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
NAME: FORAN SIOUX, P.E.
LICENSE NUMBER: 172
EXPIRATION DATE: MAY 31, 2015

VIKA REVISIONS

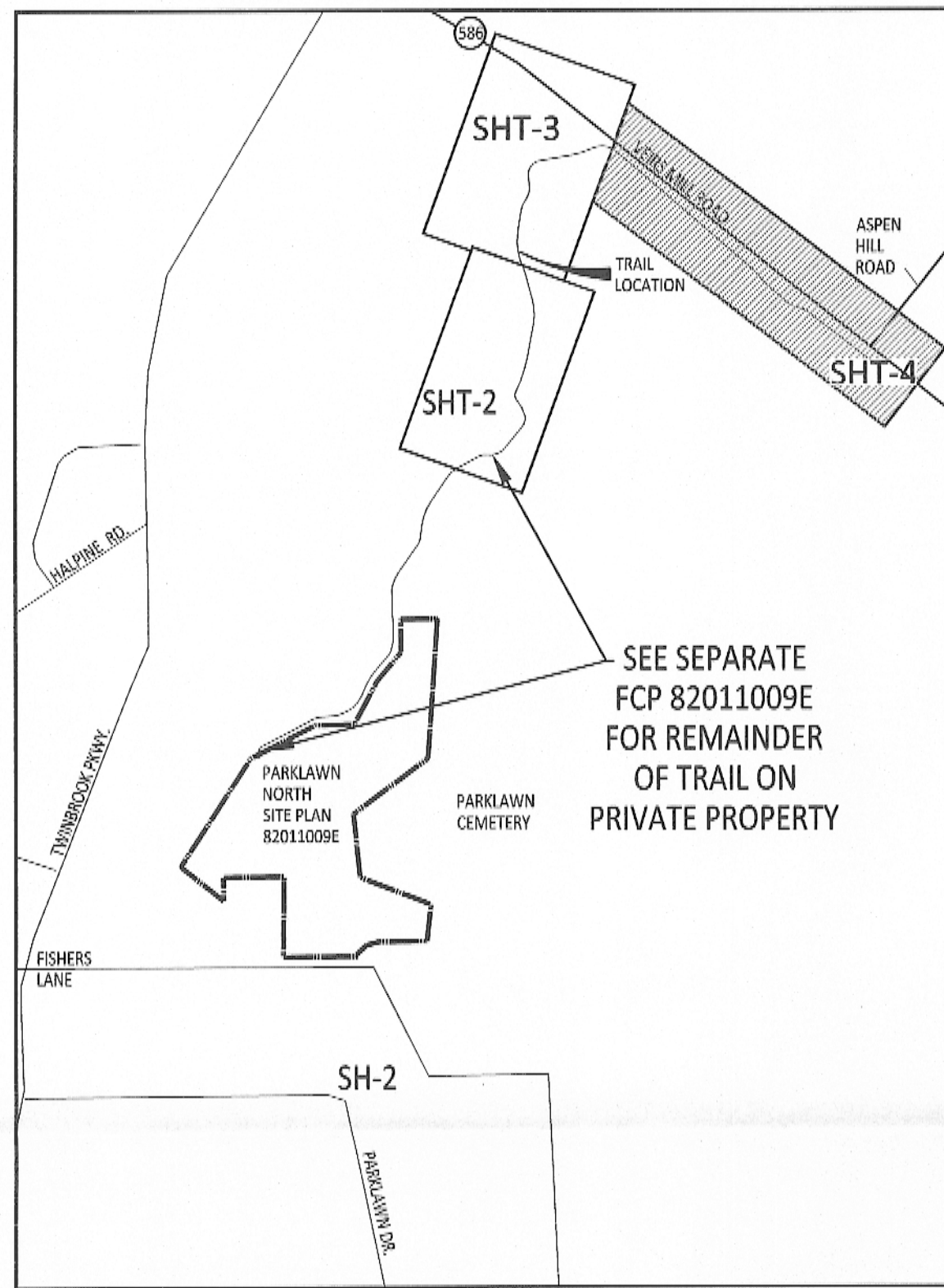
RECEIVED
M-NCPPC
OCT 16 2014
MONTGOMERY COUNTY
PLANNING DEPARTMENT

DEVELOPER'S CERTIFICATE
THE UNDERSIGNED AGREES TO EXECUTE ALL THE FEATURES OF THE APPROVED FINAL FOREST CONSERVATION PLAN NO. SC2014021 INCLUDING FINANCIAL BONDING, FOREST PLANTING, MAINTENANCE, AND ALL OTHER APPLICABLE AGREEMENTS.
DEVELOPER'S NAME: MARYLAND NATIONAL CAPITAL PARK & PLANNING COMMISSION
CONTACT PERSON OR OWNER: William Patton Marian Eisassa
ADDRESS: 9500 BRUNETT AVENUE, SILVER SPRING, MARYLAND 20901
PHONE: (301) 495-3587
SIGNATURE: [Signature] 10/14/14

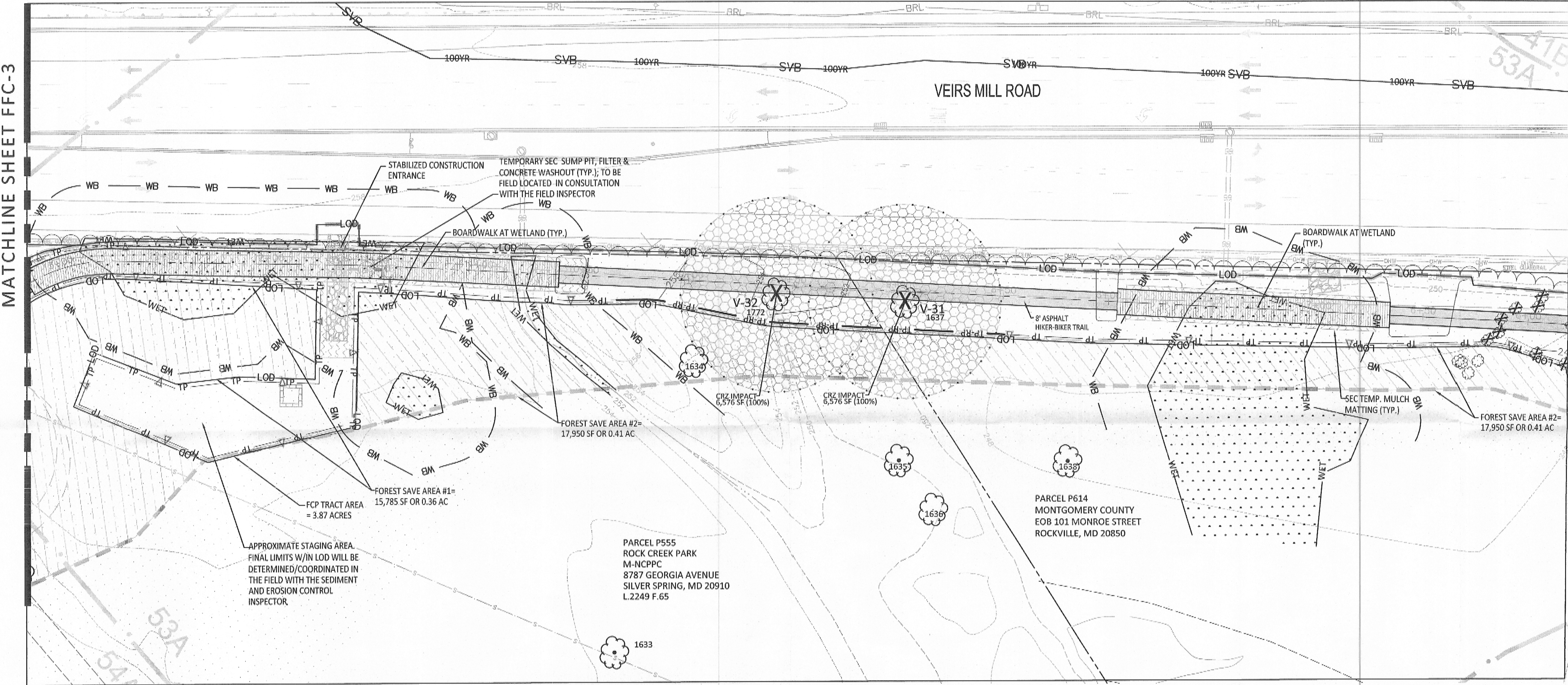
THE MARYLAND-NATIONAL CAPITAL PARK AND PLANNING COMMISSION
Final Forest Conservation Plan
APPROVAL
Plan No. SC2014021
[Signature] 10/31/14
Date

FINAL FOREST CONSERVATION PLAN
PARKLAWN NORTH PARKLAND TRAIL
M-NCPPC FCP # SC2014021

REVISIONS PER PERKS' COMMENTS	09/22/14
REVISIONS PER REVIEWER'S COMMENTS	07/11/14
INITIAL SUBMISSION	05/07/2014
DATE:	JANUARY, 2014
DES.	DWN.
JS	NRP
SCALE:	1"=30'
PROJECT/FILE NO.	6442N
SHEET NO.	FFC-3

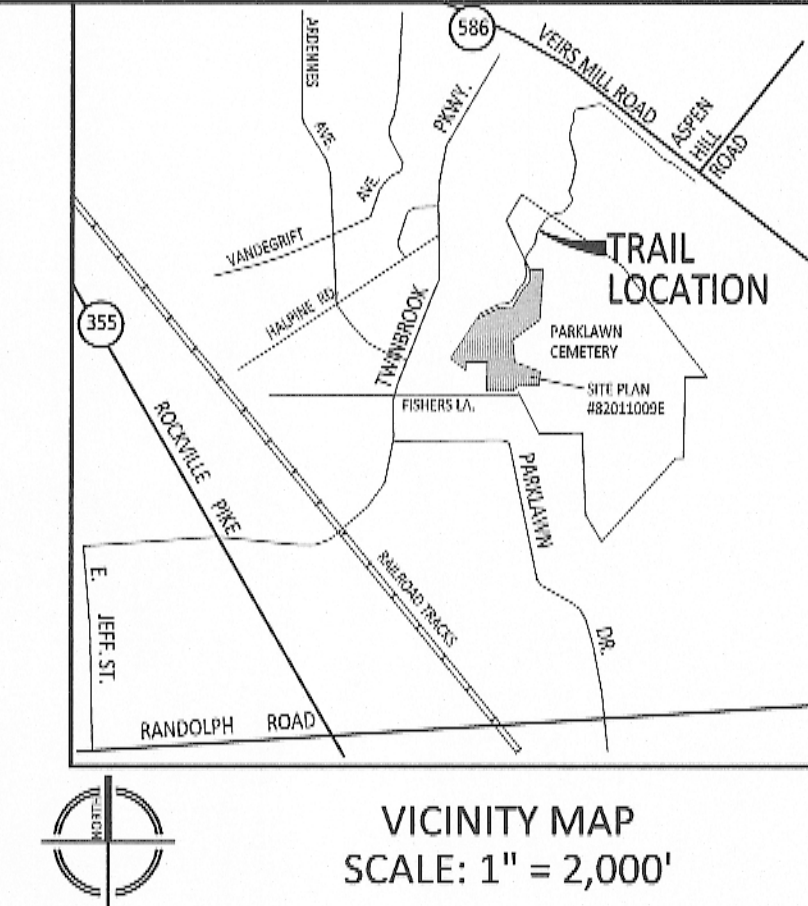


SHEET KEY

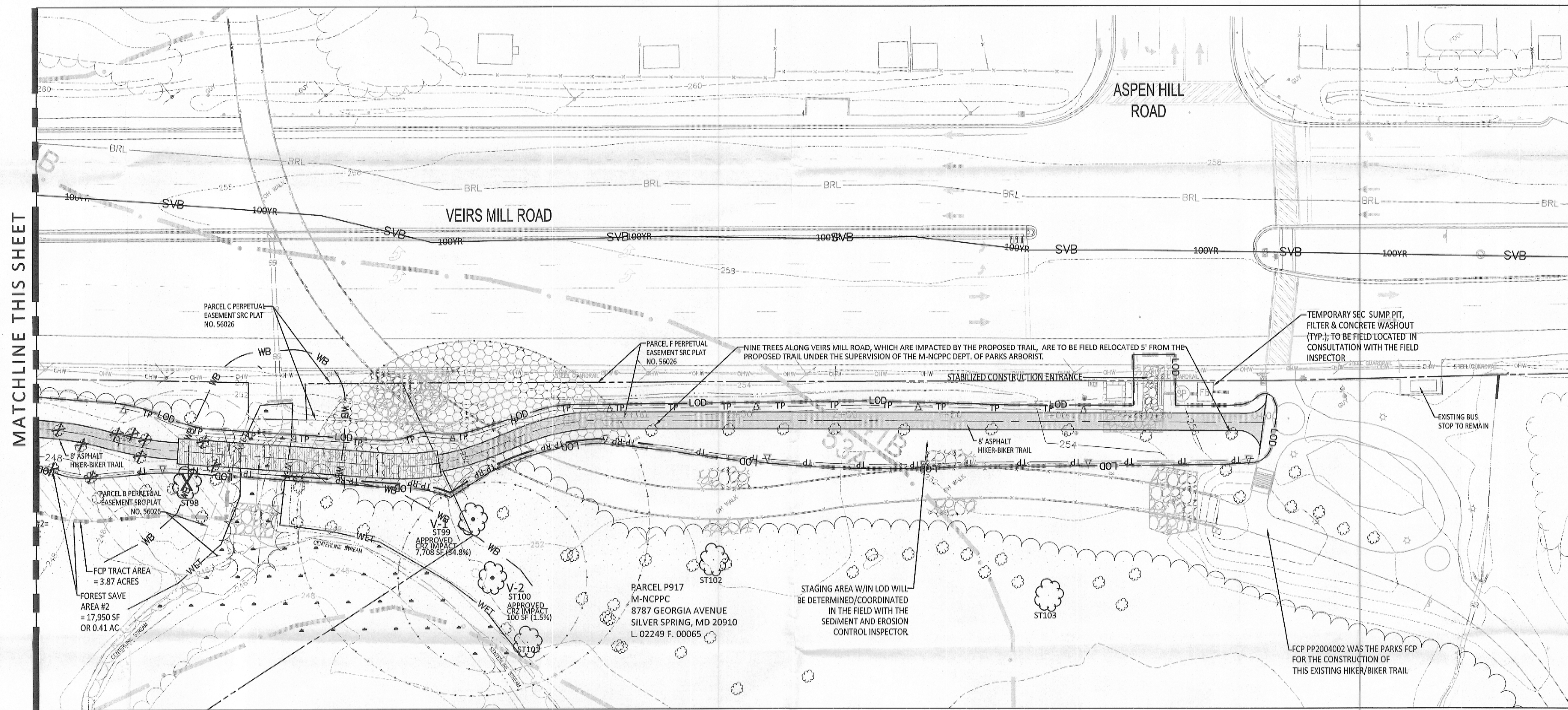


MATCHLINE SHEET FFC-3

MATCHLINE THIS SHEET



VICINITY MAP
SCALE: 1" = 2,000'

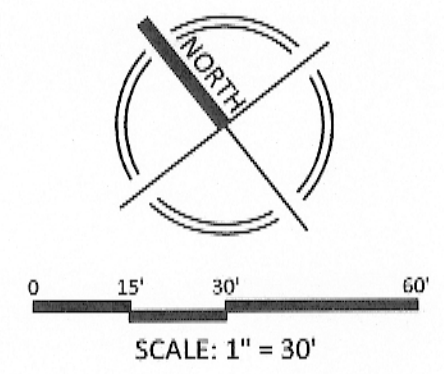


MATCHLINE THIS SHEET

MATCHLINE THIS SHEET

LEGEND

	PROPERTY LINES		CONSTRUCTION TREE PROTECTION FENCING W/SIGNAGE AT LIMITS OF DISTURBANCE		EXISTING TREE <24" DBH
	EX. 10' CONTOUR		ROOT PRUNING TRENCH & CONSTRUCTION TREE PROTECTION FENCING W/SIGNAGE AT LIMITS OF DISTURBANCE		EXISTING SIGNIFICANT TREE >24" TO <30" DBH PER NRI 420120500 TO REMAIN (CRZ SHOWN ONLY IF IMPACTED BY LOD)
	EX. 2' CONTOUR		ROOT PRUNING TRENCH & CONSTRUCTION TREE PROTECTION FENCING W/SIGNAGE AT LIMITS OF DISTURBANCE		EXISTING SIGNIFICANT TREE >24" TO <30" DBH PER NRI 420120500 TO BE REMOVED (CRZ SHOWN ONLY IF IMPACTED BY LOD)
	PROPOSED 10' CONTOUR		SILT FENCE (SEE SEC PLAN FOR DETAILS)		EXISTING SPECIMEN TREE >30" DBH PER NRI 420120500 FOR WHICH A VARIANCE REQUEST IS BEING SUBMITTED WITH THIS PLAN TO IMPACT THE CRITICAL ROOT ZONE. (CRZ SHOWN ONLY IF IMPACTED BY LOD)
	PROPOSED SPLIT RAIL FENCE		FILTER LOG (SEE SEC PLAN FOR DETAILS)		SPECIMEN TREE PER NRI 420120500 W/VARIANCE CRZ IMPACT AREA SHOWN TO BE REMOVED
	EXISTING STORM DRAIN		WETLANDS		
	EXISTING SANITARY SEWER WITH STRUCTURE		EXISTING FOREST		
	10' WIDE HIKER-BIKER TRAIL		FOREST PRESERVATION		
	STEEP SLOPES 15%-25%		WETLAND BUFFER		
	STEEP SLOPES 25% AND ABOVE		WATERS OF THE US		
	SOILS		STREAM VALLEY BUFFER		
	EXISTING FOREST LINE		100 YR FLOODPLAIN		
	LIMITS OF DISTURBANCE		25' FLOODPLAIN BRL		



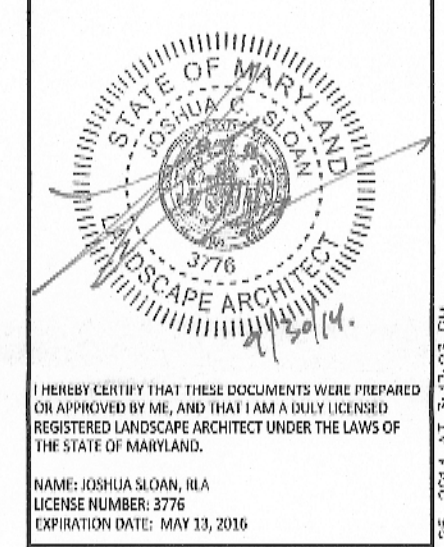
FOR LOCATION OF UTILITIES CALL 8-1-1 or 1-800-257-7777 OR LOG ON TO www.call811.com or http://www.mnccpp.com 48 HOURS IN ADVANCE OF ANY WORK IN THIS VICINITY

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ENGINEERS ■ PLANNERS ■ LANDSCAPE ARCHITECTS ■ SURVEYORS ■ GPS SERVICES

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PARKLAND TRAIL
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VIKA REVISIONS

NO.	DATE	DESCRIPTION

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DEVELOPER'S NAME: MARYLAND NATIONAL CAPITAL PARK & PLANNING COMMISSION
PRINTED COMPANY NAME

CONTACT PERSON OR OWNER: WILLIAM BAXTON *Marian Elsas*
PRINTED NAME

ADDRESS: 9500 BRUNETT AVENUE, SILVER SPRING, MARYLAND 20901

PHONE: (301) 495-3987

SIGNATURE: *M. S. C.* 10/11/14

THE MARYLAND-NATIONAL CAPITAL PARK AND PLANNING COMMISSION
Final Forest Conservation Plan
APPROVAL
Plan No. SC2014021
Signature *William Baxton* 10/11/14
Date

REVISOR PER PARKS COMMENTS 09/22/14
REVISOR PER REVIEWER'S COMMENTS 07/11/14
INITIAL SUBMISSION 05/07/2014
DATE: JANUARY, 2014
DES. JS DWN
SCALE: 1" = 30'
PROJECT/FILE NO. 6442N
SHEET NO. FFC-4

FINAL FOREST CONSERVATION PLAN
PARKLAWN NORTH PARKLAND TRAIL
M-NCPPC FCP # SC2014021

THE UNDERSIGNED CERTIFIES THAT THIS DOCUMENT AND ALL INFORMATION CONTAINED HEREIN WERE PREPARED OR APPROVED BY ME AND THAT I AM A duly LICENSED AND REGISTERED LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
Name: WILLIAM BAXTON, R.L.S.
License Number: 8776
Expiration Date: 10/31/2016
V: 10/01/2014 10:54:32 AM

FINAL FOREST CONSERVATION NOTES

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 OCCURS TREE PROTECTION AND TREE CARE MEASURES. THE DEVELOPER'S REPRESENTATIVE, CONSTRUCTION SUPERINTENDENT, A CERTIFIED ARBORIST OR MARSHLAND-LICENSED TREE EXPERT THAT WILL IMPLEMENT THE TREE PROTECTION MEASURES, FOREST CONSERVATION INSPECTOR, DEPARTMENT OF PERMITTING SERVICES (DPS) SEDIMENT CONTROL INSPECTOR AND DPS SITE PLAN 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
 - FERTILIZATION
 - VERTICAL MULCHING
 - ROOT AERATION MATING
 MEASURES NOT SPECIFIED ON THE FOREST CONSERVATION PLAN MAY BE REQUIRED AS DETERMINED BY THE FOREST CONSERVATION INSPECTOR IN COORDINATION WITH THE ARBORIST.
 - A MARSHLAND-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 CONVERT THE STRESS REDUCTIONS 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 OR, 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)
 - SUPER SALT FENCE WITH WIRE STRUNG BETWEEN SUPPORT POLES (MINIMUM 4 FEET HIGH WITH HIGH VISIBILITY FLAGGING. 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 LONG-TERM PROTECTION MEASURES TO BE INSTALLED.
- DURING CONSTRUCTION
- PERIODIC INSPECTIONS BY THE FOREST CONSERVATION INSPECTOR WILL OCCUR DURING THE CONSTRUCTION PROJECT. CORRECTIONS AND REPAIRS TO ALL TREE PROTECTION DEVICES, AS DETERMINED BY THE FOREST CONSERVATION INSPECTOR, MUST BE MADE WITHIN THE TREE FRAME ESTABLISHED BY THE INSPECTOR.
- POST-CONSTRUCTION
- AFTER CONSTRUCTION IS COMPLETED, AN INSPECTION SHALL BE REQUESTED. CORRECTIVE MEASURES MAY 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. REMOVAL OF TREE PROTECTION DEVICES THAT ALSO OPERATE FOR EROSION AND SEDIMENT CONTROL MUST BE COORDINATED WITH BOTH THE DEPARTMENT OF PERMITTING SERVICES AND THE FOREST CONSERVATION INSPECTOR. NO ADDITIONAL GRADING, SODDING, OR BURIAL MAY TAKE PLACE AFTER THE TREE PROTECTION FENCING IS REMOVED.

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 BEGINS
- AFTER COMPLETION OF ALL CONSTRUCTION ACTIVITIES, BUT BEFORE REMOVAL OF TREE PROTECTION FENCING, TO DETERMINE THE LEVEL OF COMPLIANCE WITH THE PROVISIONS OF THE FOREST CONSERVATION PLAN.

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 OF THE MAINTENANCE PERIOD.
- AT THE END OF THE MAINTENANCE PERIOD TO DETERMINE THE LEVEL OF COMPLIANCE WITH THE PROVISIONS OF THE PLANTING PLAN, RELEASE OF THE PERFORMANCE BOND.

PLANTING NARRATIVE

1. PRE-PLANTING CONSIDERATIONS

A. IN AREAS WITH SUBSTANTIAL GROWTH OF INVASIVE GROUND COVER SPECIES, MEASURES SHALL BE TAKEN TO REMOVE AND CONTROL INVASIVES. THE INFESTED AREAS SHOULD BE MOWED PRIOR TO COMMENCEMENT OF PLANTING. NECESSARY WEED CONTROL MEASURES SHOULD BE DETERMINED DURING THE PRE-PLANTING INSPECTION, INCLUDING, BUT NOT LIMITED TO, MULCHING, PERIODIC MOWING AROUND THE REFORESTATION PLANTINGS, AND FABRIC COVERINGS. THE USE OF CHEMICAL WEED CONTROL SHALL BE LIMITED TO EXTREME CASES AND ONLY WITH PRIOR WRITTEN APPROVAL BY MDCPS STAFF. WHERE PERIODIC MOWING WILL OCCUR AS A WEED CONTROL MEASURE, THE TYPICAL TREE PLANTING DISTRIBUTION PATTERN SHOULD BE MODIFIED SO AS TO ALLOW ACCESS BY MOWING EQUIPMENT WITHOUT DAMAGE TO PLANTINGS.

B. A SOILS ANALYSIS WILL BE CONDUCTED PRIOR TO COMMENCEMENT OF REFORESTATION. ON LAND WHERE EXTENSIVE AGRICULTURAL USE HAS OCCURRED IN THE PAST, TEST PITS WILL BE DUG IN AREAS OF UNDISTURBED SOIL TO DETERMINE IF A FRAGIPAN LAYER IS PRESENT. IF FRAGIPAN IS PRESENT, IT SHOULD BE PIERCED BY AUGURING AND PLANTING HOLES SHOULD BE DUG TO TWICE THE NORMAL DIAMETER FOR THE MATERIAL PLANTED.

C. SOILS SHOULD BE TREATED BY INCORPORATING NATURAL MULCH WITHIN THE TOP 12 INCHES, OR AMENDMENTS AS DETERMINED BY THE SOILS ANALYSIS. NATURAL AMENDMENTS, SUCH AS ORGANIC MULCH OR LEAF-MULCH COMPOST ARE REFERRED.

D. IF FILL MATERIAL IS USED AT THE PLANTING SITE, IT SHOULD BE CLEAN FILL WITH 12 INCHES OF NATIVE SOIL. STOCKPILING OF NATIVE TOP SOILS MUST BE DONE IN SUCH A WAY THAT THE HEIGHT OF THE PILE DOES NOT DAMAGE THE SEED BANK.

2. PLANT AMENDMENT MATERIALS STORAGE

IT IS RECOMMENDED THAT PLANTING OCCUR WITHIN 24 HOURS OF DELIVERY TO THE SITE. PLANT MATERIALS WHICH ARE LEFT UNPLANTED FOR MORE THAN 24 HOURS SHOULD BE PROTECTED FROM DIRECT SUN AND WEATHER AND KEPT MOIST. NURSERY STOCK SHOULD NOT BE LEFT UNPLANTED FOR MORE THAN TWO (2) WEEKS.

3. ON-SITE INSPECTION

PRIOR TO PLANTING, PLANTING STOCK SHOULD BE INSPECTED. PLANTS NOT CONFORMING TO STANDARD NURSERYMAN SPECIFICATIONS FOR SIZE, FORM, VIGOR, ROOTS, TRUNK WOUNDS, INSECTS, AND DISEASE SHOULD BE REPLACED.

4. PLANTING SPECIFICATIONS

A. CONTAINER GROWN STOCK: SUCCESSFUL PLANTING OF CONTAINER GROWN STOCK REQUIRES CAREFUL SITE PREPARATION AND INSPECTION OF THE PLANT MATERIAL ROOT SYSTEM. CAUTION IS RECOMMENDED WHEN SELECTING PLANTS GROWN IN A SOIL MEDIUM DIFFERING FROM THAT OF THE PLANTING SITE. THE PLANT SHOULD BE REMOVED FROM THE CONTAINER AND THE ROOTS GENTLY LOOSED FROM THE SOILS. IF THE ROOTS ENIRCLE THE ROOT BALL, SUBSTITUTION IS STRONGLY RECOMMENDED. J-SHAPED OR KINKED ROOT SYSTEMS SHOULD ALSO BE NOTED, AND SUBSTITUTED IF NECESSARY. ROOTS MAY NOT BE TRIMMED ON-SITE DUE TO THE INCREASED CHANCES OF SOIL BORNE DISEASES. THE PLANTING FIELD SHOULD BE PREPARED AS SPECIFIED. NATIVE STOCKPILED SOILS SHOULD BE USED TO BACKFILL PLANTING FIELD. RAKE SOILS EVENLY OVER THE PLANTING FIELD AND COVER WITH 2 TO 4 INCHES OF MULCH.

B. BALLED AND BURLAPPED TREES: BALLED AND BURLAPPED TREES MUST BE HANDLED WITH CARE WHILE PLANTING. TREES SHOULD NOT BE PICKED UP BY THE TRUNK OR DRIPPED. AS BOTH PRACTICES WILL TEND TO SEPARATE THE TRUNK FROM THE ROOT BALL. PRIOR TO PLANTING, ROOT BALLS SHOULD BE KEPT MOIST.

C. PLANTING FIELDS SHOULD BE CREATED EQUAL TO 2.5 TIMES THE DIAMETER OF THE ROOT BALL. USE WATERING TO SETTLE SOIL BACKFILLED AROUND TREES. STOCKPILED NATIVE TOP SOILS, IF AVAILABLE, SHOULD BE USED TO BACKFILL THE PLANTING FIELD. AMENDMENTS ARE NOT RECOMMENDED IN THE PLANTING FIELD. AS STUDIES HAVE SHOWN THAT ROOTS WILL BE ENCOURAGED TO STAY WITHIN THE AMENDED SOILS. SOILS SHOULD BE RAKED EVENLY OVER THE PLANTING FIELD AND COVERED WITH 2 TO 4 INCHES OF MULCH.

D. STAKING OF TREES IS NOT RECOMMENDED EXCEPT IN AREAS OF HIGH WINDS. MOVEMENT IS NECESSARY TO STRENGTHEN THE TRUNK OF THE PLANTED TREE. IF STAKES ARE USED, THEY SHOULD BE REMOVED AFTER THE FIRST GROWING SEASON. WRAPPING IS ALSO NOT RECOMMENDED DUE TO THE INCREASED OPPORTUNITIES FOR INSECT INFESTATION AND DISEASE.

5. POST-PLANTING CONSIDERATIONS

A. SOIL STABILIZATION: FOR AREAS OF LARGE-SCALE DISTURBANCE, SOILS MUST BE STABILIZED USING A NON-TURF-BUILDING GROUND COVER OR ENGINEERING FABRIC.

B. PROTECTIVE DEVICES: TO PREVENT DAMAGE OF PLANTED AREAS, ALL REFORESTATION AND AFFORESTATION SITES MUST BE POSTED WITH APPROPRIATE SIGNS AND FENCED. CONSTRUCTION EQUIPMENT SHALL BE PROHIBITED IN THESE AREAS. SEE FINAL FOREST CONSERVATION NOTES 5-7 ABOVE.

AFFORESTATION/ REFORESTATION MANAGEMENT PLAN

YEAR 1: AREA IS PLANTED ACCORDING TO PRE-APPROVED PLAN
SURVIVAL CHECK 3 TIMES (MARCH-APRIL), (JULY-AUGUST), (OCTOBER-NOVEMBER)
WATERING AS NEEDED
CONTROL OF UNDESIRABLE VEGETATION AS NEEDED

YEAR 2: REINFORCEMENT PLANTING IF NEEDED
SURVIVAL CHECK ONCE ANNUALLY (MAY-SEPTEMBER)

FERTILIZATION OR WATERING DURING YEAR 1 WILL BE DONE ON AN AS NEEDED BASIS. CONDITION CHECK SHEETS SHOULD BE PROVIDED TO THE CLIENT AFTER EACH VISIT. A SURVIVAL RATE OF 75% IS REQUIRED AFTER 2 (TWO) YEARS. IF ADEQUATE NATURAL REGENERATION HAS OCCURRED, IT MAY BE INCLUDED IN THE FINAL SURVIVAL TALLY. SPECIAL RETURN OPERATIONS OR RECOMMENDATIONS WILL BE CONDUCTED ON AN AS NEEDED BASIS. PERMETER FENCING AND SIGNAGE WILL BE REMOVED AFTER YEAR 2 BASED ON THE DATE PLANTED.

NRI TREE TABLES PER NRI #420120500

NOTE: A VARIANCE REQUEST TO IMPACT THE CRITICAL ROOT ZONES OF TEN OF THE VARIANCE TREES AS IDENTIFIED BELOW HAS BEEN SUBMITTED WITH THIS PLAN. TWO OF THE SPECIMEN TREES ARE PROPOSED FOR REMOVAL AND THE REMAINING EIGHT TREES ARE PROPOSED FOR PRESERVATION.

DISPOSITION	VARIANCE TREE	No.	COMMON NAME	SCIENTIFIC NAME	DBH*	VIGOR**	NOTES	NEW VARIANCE REQUEST SUBMITTED WITH THIS		
								CRZ AREA (SF)	CRZ IMPACT AREA (SF)	CRZ % IMPACT
SAVE	V-3	ST-1	TULIP POPLAR	Liriodendron tulipifera	24"	Fair	DOUBLE @ 7'			
SAVE	V-3	ST-2	EASTERN COTTONWOOD	Populus deltoides	30"	Good	APPROVED VARIANCE TO IMPACT 6.3% OF CRZ	6,362	732	11.5%
SAVE		ST-3	RED MAPLE	Acer rubrum	27"	Poor	MOSTLY DEAD			
SAVE		ST-4	EASTERN COTTONWOOD	Populus deltoides	24"	Good				
SAVE	V-4	ST-5	TULIP POPLAR	Liriodendron tulipifera	31"	Good	APPROVED VARIANCE TO IMPACT 6.4% OF CRZ	6,792	1,219	17.9%
SAVE	V-5	ST-6	EASTERN COTTONWOOD	Populus deltoides	32"	Good	APPROVED VARIANCE TO IMPACT 5.7% OF CRZ	7,238	1,135	15.7%
SAVE	V-6	ST-7	EASTERN COTTONWOOD	Populus deltoides	32"	Good	APPROVED VARIANCE TO IMPACT 9.8% OF CRZ	7,238	2,293	31.7%
SAVE		ST-8	AMERICAN SYCAMORE	Platanus occidentalis	24"	Good				
REMOVE***		ST-9	TULIP POPLAR	Liriodendron tulipifera	26"	Good				
REMOVE***		ST-10	TULIP POPLAR	Liriodendron tulipifera	26"	Good				
SAVE		ST-11	TULIP POPLAR	Liriodendron tulipifera	28"	Good				
SAVE		ST-12	TULIP POPLAR	Liriodendron tulipifera	28"	Good				
SAVE		ST-13	TULIP POPLAR	Liriodendron tulipifera	27"	Good				
SAVE		ST-14	TULIP POPLAR	Liriodendron tulipifera	24"	Good				
SAVE		ST-15	TULIP POPLAR	Quercus rubra	25"	Good				
SAVE	V-7	ST-16	TULIP POPLAR	Liriodendron tulipifera	31"	Good	APPROVED VARIANCE REQUEST UNCHANGED			
SAVE	V-8	ST-17	TULIP POPLAR	Liriodendron tulipifera	32"	Good	APPROVED VARIANCE REQUEST UNCHANGED			
SAVE	V-9	ST-18	TULIP POPLAR	Liriodendron tulipifera	33"	Good	APPROVED VARIANCE REQUEST UNCHANGED			
SAVE	V-10	ST-19	TULIP POPLAR	Liriodendron tulipifera	35"	Good	APPROVED VARIANCE TO IMPACT 15.9 % OF CRZ	8,659	1,500	17.3%
SAVE	V-12	ST-21	EASTERN COTTONWOOD	Populus deltoides	32"	Good	TAG # 2989; APPROVED VARIANCE REQUEST UNCHANGED			
SAVE	V-13	ST-22	TULIP POPLAR	Liriodendron tulipifera	34"	Good	APPROVED VARIANCE TO IMPACT 1.8 % OF CRZ	8,171	613	7.5%
SAVE		ST-24	TULIP POPLAR	Liriodendron tulipifera	26.5"	Good	DOUBLE (5')			
SAVE		ST-83	TULIP POPLAR	Liriodendron tulipifera	24"	Good	SOME WINDS			
SAVE	V-27	ST-84	AMERICAN BEECH	Fagus grandifolia	30.5"	Good	CARVINGS; APPROVED VARIANCE REQUEST UNCHANGED			
SAVE	V-28	ST-85	AMERICAN BEECH	Fagus grandifolia	42.5"	Good	CARVINGS; APPROVED VARIANCE TO IMPACT 7 % OF CRZ	13,069	1,569	12.0%
SAVE		ST-86	BLACK LOCUST	Robinia pseudoacacia	27"	Fair	1/7 OF DOUBLE MANY WINDS			
REMOVE***		ST-91	WHITE ASH	Fraxinus americana	24"	Good	MULTI-STEM			
SAVE	V-31	ST-95	TULIP POPLAR	Liriodendron tulipifera	38"	Good	OLD TAG #502; APPROVED VARIANCE TO IMPACT 20.5 % OF CRZ	10,207	3,210	31.4%
SAVE		ST-96	TULIP POPLAR	Liriodendron tulipifera	29"	Good	OLD TAG #503			
SAVE		ST-97	TULIP POPLAR	Liriodendron tulipifera	25"	Good	1/2 OF DOUBLE-OLD TAG #504			
SAVE		ST-98	BLACK WALNUT	Juglans nigra	29"	Good				
SAVE	V-1	ST-99	WHITE OAK	Quercus alba	56"	Good	SOME RECENT LIMB PRUNING; APPROVED VARIANCE REQUEST UNCHANGED			
SAVE	V-2	ST-100	BITTERNUT HICKORY	Carya cordiformis	30"	Poor	TRUNK BROKEN @ 20'; BROKEN SUCKERS; APPROVED VARIANCE REQUEST UNCHANGED			
SAVE		ST-101	BLACK WALNUT	Juglans nigra	26"	Good/Fair	BARBED WIRE IN TRUNK; DEAD LIMBS			
SAVE		ST-102	TULIP POPLAR	Liriodendron tulipifera	27.5"	Good	DOUBLE @ 4.5'; GRAPE VINE IN CANOPY			
SAVE		ST-103	AMERICAN SYCAMORE	Platanus occidentalis	27.5"	Good				

AMENDED NRI #420120500- ADDITIONAL TREES

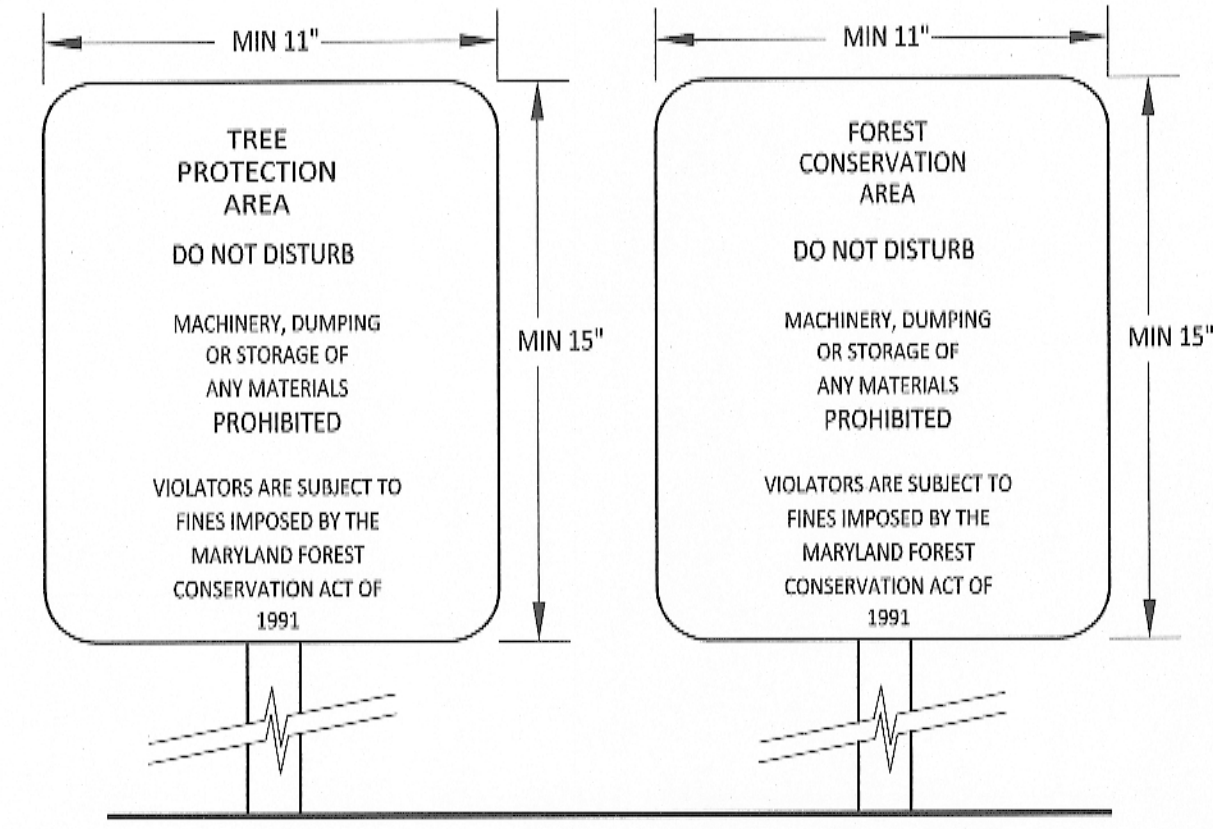
DISPOSITION	VARIANCE TREE	No.	COMMON NAME	SCIENTIFIC NAME	DBH*	VIGOR**	NOTES	VARIANCE REQUEST SUBMITTED WITH THIS PLAN		
								CRZ AREA (SF)	CRZ IMPACT AREA (SF)	CRZ % IMPACT
REMOVE***	YES	1772	Eastern Cottonwood	Populus deltoides	30.5	good		6,576	6,576	100.0%
SAVE	NO	1773	Eastern Cottonwood	Populus deltoides	24	good				
SAVE	NO	1774	Eastern Cottonwood	Populus deltoides	29.5	fair	broken leader			
SAVE	NO	1777	Tulip Poplar	Liriodendron tulipifera	31	good				
SAVE	NO	1779	American Sycamore	Platanus occidentalis	50	fair	broken branches			
SAVE	NO	1780	Black Walnut	Juglans nigra	26.5	good				
SAVE	NO	1781	Tulip Poplar	Liriodendron tulipifera	25	good				
SAVE	NO	1782	Northern Red Oak	Quercus rubra	35	fair	broken branches			
SAVE	NO	1783	White Oak	Quercus alba	34.5	good				
SAVE	NO	1784	Tulip Poplar	Liriodendron tulipifera	24	good				
SAVE	NO	1785	Mockernut Hickory	Carya alba	32	good				
SAVE	NO	1786	Tulip Poplar	Liriodendron tulipifera	28	good				
SAVE	NO	1787	Tulip Poplar	Liriodendron tulipifera	46	fair	double at 6', broken leader			
SAVE	NO	1788	White Oak	Quercus alba	36.5	fair	crack in trunk, leaning			
SAVE	NO	1789	Tulip Poplar	Liriodendron tulipifera	32	good				
SAVE	NO	1790	Northern Red Oak	Quercus rubra	36	fair	some dead branches			
SAVE	NO	1794	Tulip Poplar	Liriodendron tulipifera	35	good				
SAVE	NO	1795	Black Walnut	Juglans nigra	31.5	good				
SAVE	NO	1796	Tulip Poplar	Liriodendron tulipifera	27	good				
SAVE	NO	1797	Tulip Poplar	Liriodendron tulipifera	40	fair	double at 5', broken leader			
SAVE	NO	1798	American Sycamore	Platanus occidentalis	29	good	double at 4'			
REMOVE***	NO	1799	American Sycamore	Platanus occidentalis	27	good				
SAVE	NO	1800	American Sycamore	Platanus occidentalis	27.5	good				
SAVE	NO	1826	American Sycamore	Platanus occidentalis	29.5	good				
SAVE	NO	1827	Box Elder	Acer negundo	25	good				
SAVE	NO	1828	American Sycamore	Platanus occidentalis	25	good				
SAVE	NO	1829	American Sycamore	Platanus occidentalis	27.5	good	half of a double			
SAVE	NO	1830	American Sycamore	Platanus occidentalis	28	good				
SAVE	NO	1831	American Sycamore	Platanus occidentalis	24	fair	many poison ivy vines			
SAVE	NO	1832	Tulip Poplar	Liriodendron tulipifera	27	good				
SAVE	NO	1833	Eastern Cottonwood	Populus deltoides	32.5	good				
SAVE	NO	1834	Eastern Cottonwood	Populus deltoides	28	fair	broken branches			
SAVE	NO	1835	American Sycamore	Platanus occidentalis	30	good				
SAVE	NO	1836	American Sycamore	Platanus occidentalis	28	good				
REMOVE***	YES	1837	Tulip Poplar	Liriodendron tulipifera	30.5	fair	heavily pruned	6,576	6,576	100.0%
SAVE	NO	1838	Black Walnut	Juglans nigra	30	good				

* Diameter at breast height
** Estimate of general tree health
Black indicates trees that are significant (24" - 30" DBH)
BOLD indicates trees that are specimens (greater than 30" DBH)
*** Tree proposed for removal per approved Parklawn North FCP's #20110030 & #20110034
**** Tree proposed for removal with current Parklawn North FCP #20110038



VICINITY MAP
SCALE: 1" = 2,000'

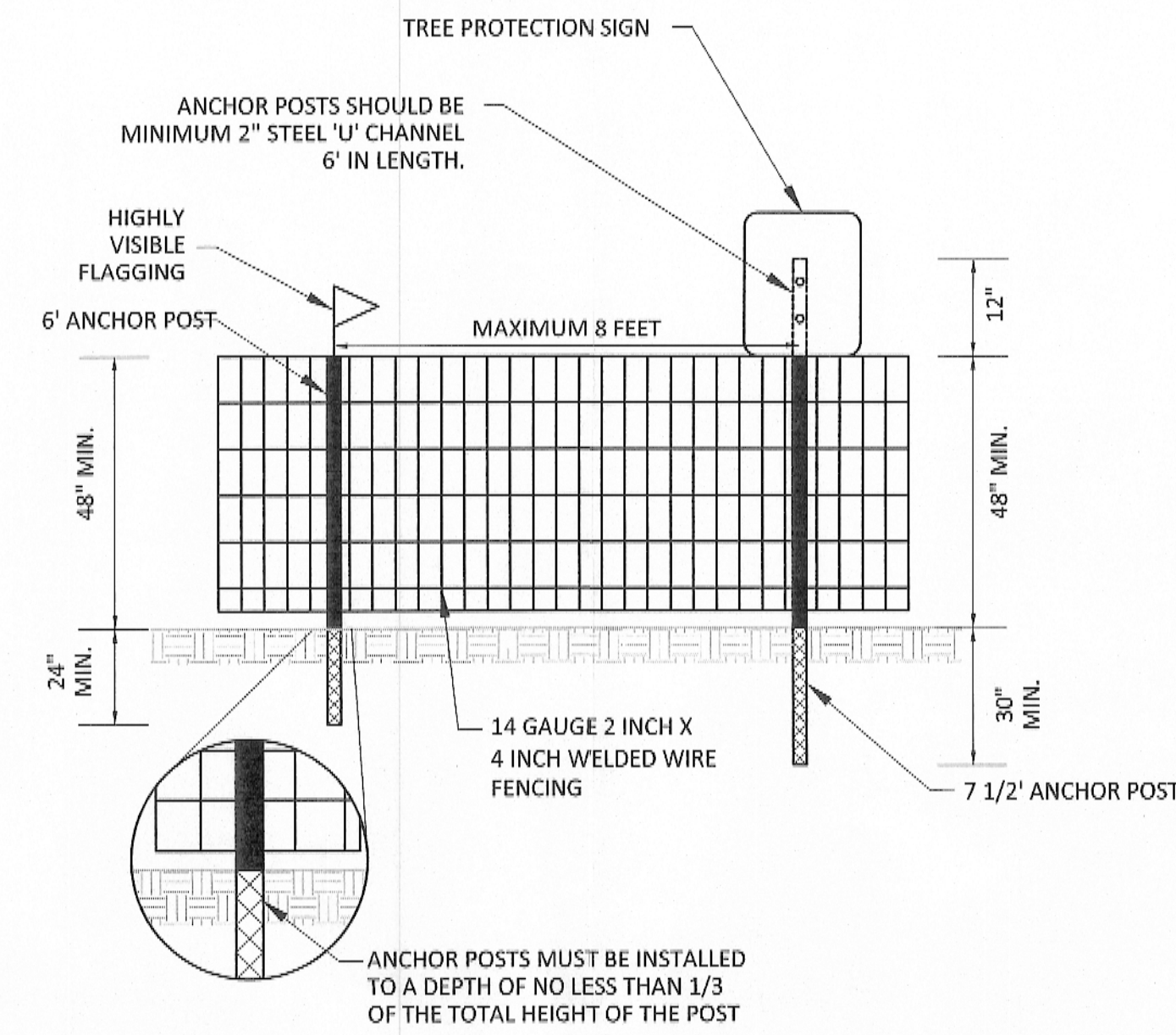
VIA
INCORPORATED
2025 CENTURY AVENUE
SUITE 100
ROCKVILLE, MD 20878
TEL:



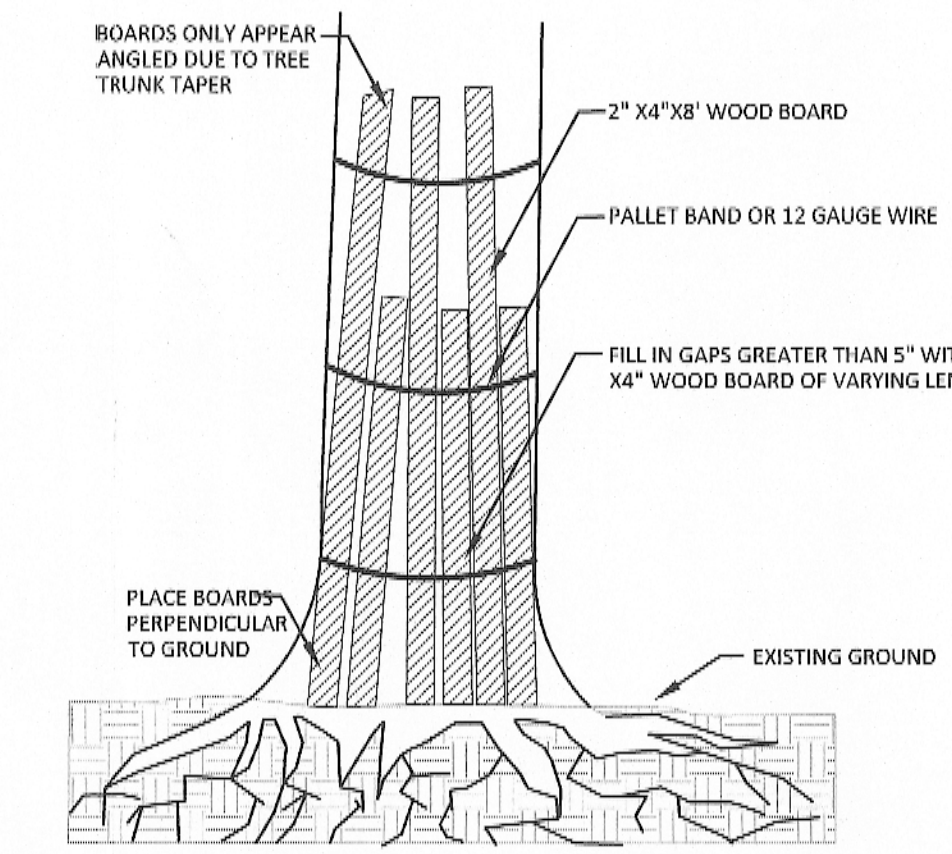
- NOTES:
1. BOTTOM OF SIGNS TO BE HIGHER THAN TOP OF TREE PROTECTION FENCE.
 2. SIGNS TO BE PLACED APPROXIMATELY 50' APART. CONDITIONS ON SITE AFFECTING VISIBILITY MAY WARRANT PLACING SIGNS CLOSER OR FARTHER APART.
 3. ATTACHMENT OF SIGNS TO TREES IS PROHIBITED.

SOURCE: ADAPTED FROM FOREST CONSERVATION MANUAL 1991
 SOURCE: STATE FOREST CONSERVATION TECHNICAL MANUAL

FIGURE D-4



- NOTES:
1. THE BOUNDARIES OF THE LIMITS OF DISTURBANCE SHOULD BE STAKED AND FLAGGED PRIOR TO ERECTING THE PROTECTIVE DEVICE.
 2. AVOID DAMAGE TO CRITICAL ROOT ZONES OF TREES. ANCHOR POSTS SHOULD BE PLACED TO AVOID SEVERING OR DAMAGING LARGE TREE ROOTS.
 3. FENCING MATERIAL SHOULD BE FASTENED SECURELY TO THE ANCHOR POSTS WITH FENCE WIRE.
 4. FENCE SIGNS, AND THEREFORE, THE TALLER 7 1/2" POSTS, MUST BE PLACED A MINIMUM OF 50' APART AND AT FENCE CORNERS. CONDITIONS ON SITE AFFECTING VISIBILITY MAY WARRANT PLACING SIGNS CLOSER OR FURTHER APART. ATTACHING SIGNS TO TREES IS PROHIBITED.
 5. DEVICE SHOULD BE MAINTAINED THROUGHOUT CONSTRUCTION.

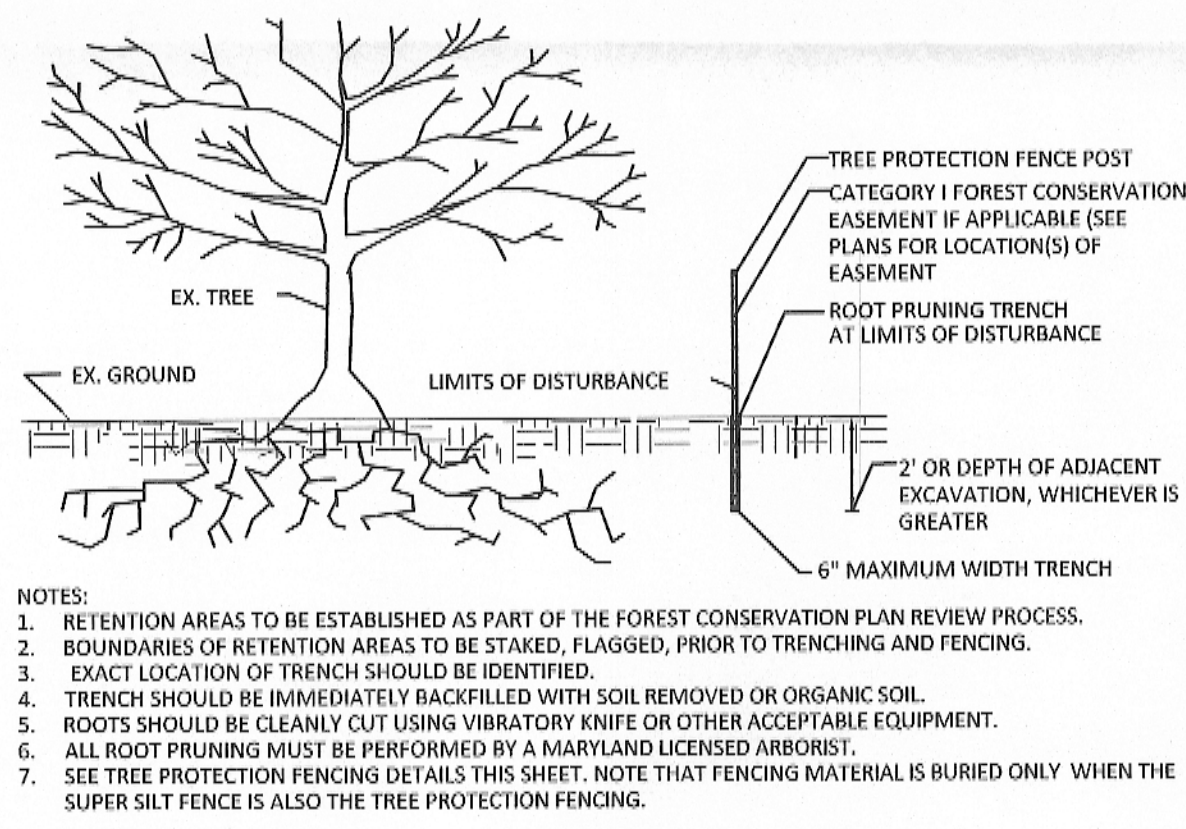


- NOTES:
1. CONSTRUCT MIN. 8" HIGH ARMOR OF 2 X 4'S AROUND BASE OF TREE, TAKING CARE NOT TO DAMAGE TREE TRUNK OR ROOTS.
 2. ARMORING IS ONLY NEEDED ON THE SIDE OF TREES FACING THE CONSTRUCTION ACTIVITY.
 3. ARMOR TO REST ON SURFACE OF GROUND TO ENSURE NO DAMAGE TO TREE ROOTS.
 4. PIECES OF USED OR SCRAPPED CARPET SHALL BE WRAPPED AROUND TRUNK AND BETWEEN BOARDS AND TRUNK FOR ADDITIONAL PROTECTION. FINAL MATERIAL USED FOR THIS PURPOSE SHALL BE APPROVED BY THE PARK ARBOREST AND/OR SENIOR URBAN FORESTER.
 5. MAINTAIN ARMOR AND CARPET PADDING THROUGHOUT SITE CONSTRUCTION.
 6. MONITOR YEARLY FOR TRUNK GIRDLING.
 7. REMOVE TRUNK ARMOR AFTER TREE PROTECTION FENCE HAS BEEN REMOVED.

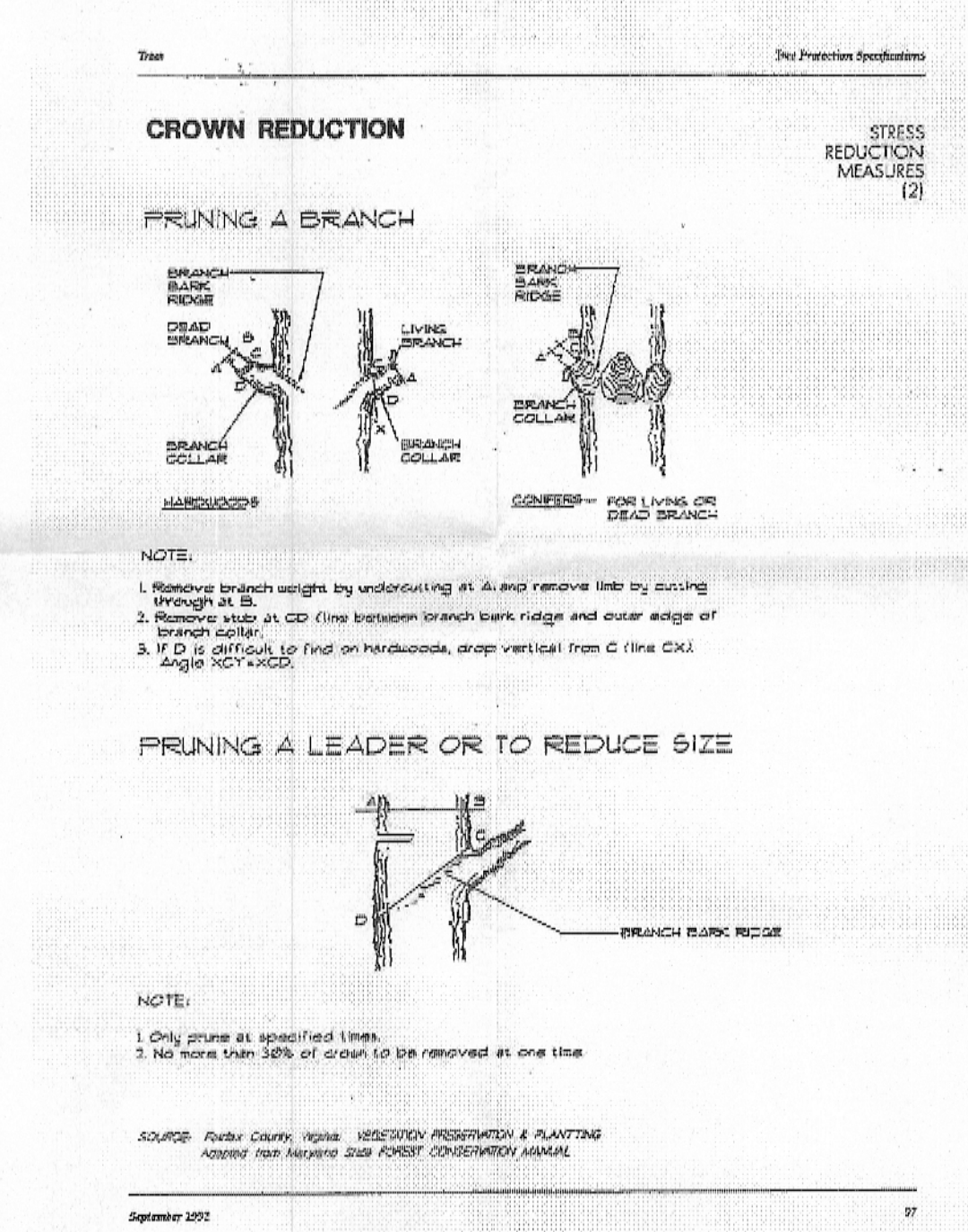
1 TREE PROTECTION CONSTRUCTION/REFORESTATION SIGNS
 NOT TO SCALE

2 WELDED WIRE TREE PROTECTION FENCE
 NOT TO SCALE

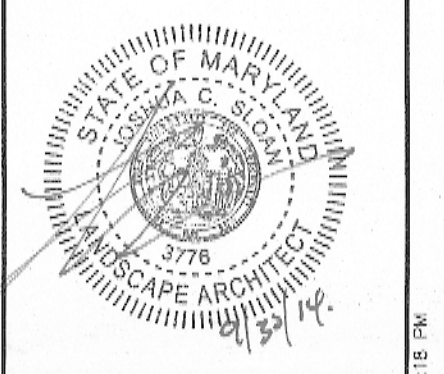
3 TREE ARMORING DETAIL
 NOT TO SCALE



4 ROOT PRUNING DETAIL
 NOT TO SCALE



5 TREE PRUNING DETAIL
 NOT TO SCALE



FOR THE STATE OF MARYLAND
 I, WILLIAM PAYNE, LANDSCAPE ARCHITECT, DO HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED REGISTERED LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
 NAME: WILLIAM PAYNE, P.L.L.C.
 LICENSE NUMBER: 15179
 EXPIRATION DATE: MAY 31, 2014

VIA REVISIONS

RECEIVED
 M-NCPPC
 OCT 16 2014
 MONTGOMERY COUNTY
 PLANNING DEPARTMENT

THE MARYLAND-NATIONAL CAPITAL
 PARK AND PLANNING COMMISSION
 Final Forest Conservation Plan
 APPROVAL
 Plan No. SC2014021
 Signature: [Signature] Date: 10/31/14

DEVELOPER'S CERTIFICATE	
THE UNDERSIGNED AGREES TO EXECUTE ALL THE FEATURES OF THE APPROVED FINAL FOREST CONSERVATION PLAN NO. SC2014021 INCLUDING FINANCIAL BONDING, FOREST PLANTING, MAINTENANCE, AND ALL OTHER APPLICABLE AGREEMENTS.	
DEVELOPER'S NAME: MARYLAND-NATIONAL CAPITAL PARK & PLANNING COMMISSION	
PRINTED COMPANY NAME	
CONTACT PERSON OR OWNER: WILLIAM PAYNE / Marian Elsober	
PRINTED NAME	
ADDRESS: 9500 BRUNETT AVENUE, SILVER SPRING, MARYLAND 20901	
PHONE: (301) 495-3587	
SIGNATURE: [Signature] 10/31/14	
FINAL FOREST CONSERVATION PLAN PARKLAWN NORTH PARKLAND TRAIL M-NCPPC FCP # SC2014021	
REVISED PER PARKS' COMMENTS 09/22/14	REVISED PER REVIEWER'S COMMENTS 07/11/14
REVISED PER REVIEWER'S COMMENTS 05/07/2014	DATE: JANUARY, 2014
DES. IS	DWN. NRP
SCALE: 1"=30'	
PROJECT/FILE NO. 6442N	SHEET NO. FFC-6

FOR LOCATION OF UTILITIES CALL
 8-1-1 or 1-800-257-7777 OR LOG ON TO
 www.call811.com or http://www.msautility.net
 48 HOURS IN ADVANCE OF ANY
 WORK IN THIS VICINITY
 The excavator must notify all public utility companies with underground facilities in the area of proposed excavation and have those facilities located by the utility companies prior to commencing excavation.