

GENERAL NRI/FSD NOTES

CONSERVATION MANUAL

INTRODUCTION

GENERAL INFORMATION

ENVIRONMENTAL FEATURES

100 YEAR FLOODPLAIN

NONTIDAL WETLANDS

CRITICAL HABITATS

CULTURAL FEATURES

FOREST STAND INFORMATION

CURRENT STATE CHAMPION TREES.

SITE NARRATIVE AND FOREST SUMMARY

CLARK AZAR & ASSOCIATES PERFORMED A SIMPLIFIED NATURAL

THIS PROPERTY IS CURRENTLY UNZONED.
THE TOTAL TRACT AREA IS 0.68 ACRES, SITE FIELDWORK WAS PERFORMED

ON MAY 23, 2023, BY JONATHAN MALLORY, CLARK AZAR & ASSOCIATES.

THE PROPERTY TAX ACCOUNT NUMBER ASSOCIATED WITH THE PLAN IS

NON-RESIDENTIAL PROPERTY EXEMPTION FROM FOREST CONSERVATION

1' TOPOGRAPHY & FUTURE PARK LIMITS PROVIDED BY THE PURPLE LINE. THERE ARE NO PRIME AGRICULTURAL SOILS ON THE PROPERTY (SEE SOIL

THIS PROPERTY IS NOT WITHIN AN SPA OR PMA.
THIS PROPERTY QUALIFIES FOR A MODIFICATION TO EXISTING

UNDER THE PROVISION OF SECTION 22A-5(1) OF THE FOREST

9. THERE ARE NO ERODIBLE SOIL ON THE PROPERTY (SEE SOIL TABLE).

MEASURE UNLESS OTHERWISE NOTED (SEE SIGNIFICANT TREE TABLE).

RESOURCE INVENTORY FOR THE PROJECT KNOWN AS LYTTONSVILLE LOCAL PARK

THE GUIDELINES SET FORTH IN THE MDNR STATE FOREST CONSERVATION

THIS IS A PROPOSED 0.68 ACRE SITE TO BE CONVEYED TO MONTGOMERY COUNTY, MD, THE SITE IS CURRENTLY UNDER CONSTRUCTION FOR THE PURPLE

CURRENTLY, THERE IS NO VEHICULAR ACCESS EXCEPT FOR CONSTRUCTION

THE FEMA FLOOD MAP COMMUNITY-PANEL # 24031C0370D INDICATES THERE IS

NO FLOODPLAIN ON THE PROPERTY AND IS ZONE X, AREA OF MINIMAL FLOOD

ACCORDING TO THE USDA NRCS WEBSOIL SURVEY FOR MONTGOMERY COUNTY.

MOST OF THE PROPERTY IS COMPOSED OF 2UB-GLENELG-URBAN LAND

THERE WERE NO WETLANDS OBSERVED WITHIN 100' OF THE PROPOSED

THERE WERE NO STREAMS OBSERVED ON OR OFFSITE DURING THE FIELD

THE SITE SLOPES DOWN TOWARDS THE NORTHWEST. THE MAJORITY OF STEEP

THE MDNR HAS BEEN NOTIFIED OF THE PROJECT AREA AND DESCRIPTION. THERE

THE SITE DOES NOT APPEAR IN CLOSE PROXIMITY TO INDIVIDUAL HISTORIC SITES

FOUND IN MNCPPC HISTORIC PROPERTIES INTERACTIVE MAP. IT APPEARS THE

DEVELOPMENT OF THE SUBJECT SITE WILL NOT IMPACT ANY HISTORIC SITES.

ALL "MISS UTILITY" AT 1-800-257-7777, 48 HOURS PRIOR TO THE START OF WORK. THE

APPEAR TO BE NO CRITICAL WILDLIFE HABITATS FROM THE FIELD INSPECTION.

400-URBAN LAND (HYDROLOGICAL CLASS D) SOIL.

PROPERTY LINE DURING THE FIELD INVESTIGATION.

SLOPES EXIST TO THE NORTH BY THE EXISTING RAILROAD.

COPIES OF CORRESPONDENCE WILL BE PROVIDED.

THERE ARE NO FORESTS ON THE PROPOSED PROPERTY.

STREAMS AND DRAINAGEWAYS

TOPOGRAPHY AND STEEP SLOPES

TECHNICAL MANUAL AND MNCPPC TREE, APPROVED TECHNICAL MANUAL.

LINE WITH RESIDENTIAL PROPERTIES TO THE SOUTH, EAST, AND WEST.

VEHICLES. THE SITE LIES WITHIN ROCK CREEK WATERSHED, USE I.

DURING MAY 2023. THE NATURAL RESOURCE INVENTORY WAS CONDUCTED USING

11. NO RARE, THREATENED OR ENDANGERED SPECIES WERE OBSERVED ON OR OFFSITE AT THE TIME OF THE FIELD INVESTIGATION.

12. NO TREES OCCUR WITHIN THE STUDY AREA WHICH ARE RECOGNIZED AS

10. ALL TREES EQUAL TO AND GREATER THAN 24" ARE APPROXIMATELY LOCATED AND MEASURED WITH A FORESTERS DIAMETER BREAST TAPE

# EXCAVATOR MUST NOTIFY ALL PUBLIC UTILITY COMPANIES WITH UNDER GROUND FACILITIES IN THE AREA OF PROPOSED EXCAVATION AND HAVE THOSE FACILITIES LOCATED BY THE UTILITY COMPANIES PRIOR TO COMMENCING EXCAVATION. THE EXCAVATOR IS RESPONSIBLE FOR COMPLIANCE WITH REQUIREMENTS OF CHAPTER 36A OF THE MONTGOMERY COUNTY CODE. 20440 Century Blvd, Suite 220 Germantown, MD. 20874 T(301) 528-2010 www.clarkazar.com A Woman Owned Small Business

## **Sequence of Events for Properties Required to Comply With** Forest Conservation Plans, Exemptions from Submitting Forest Conservation Plans, and Tree Save Plans

The property owner is responsible for ensuring all tree protection measures are performed in accordance with the approved final forest conservation plan or tree save plan, and as modified in the field by a Planning Department Forest Conservation Inspector. The measures must meet or exceed the most recent standards published by the American National Standards Institute (ANSI A300).

#### **Pre-Construction**

- 1. An on-site pre-construction meeting is required after the limits of disturbance have been staked and flagged and before any land disturbance.
- 2. The property owner must arrange for the meeting and following people should must participate at the pre-construction meeting: the property owner or their representative, construction superintendent, International Society of Arboriculture (ISA) certified arborist/Maryland Licensed Tree Expert (representing owner) that will implement the tree protection measures, The Planning Department Forest Conservation Inspector, and Montgomery County Department of Permitting Services (DPS) Sediment Control Inspector. The purpose of this meeting is verify the limits of disturbance and discuss specific tree protection and tree care measures shown on the approved plan. No land disturbance shall begin before tree protection and stress-reduction measures have been implemented and approved by the Planning Department's Forest Conservation Inspector.
  - a. Typical tree protection devices include: . Chain link fence (four feet high)
    - ii. Super silt fence with wire strung between the support poles (minimum 4 feet high) with high visibility flagging.
    - iii. 14 gauge, 2 inch x 4 inch welded wire fencing supported by steel T-bar posts (minimum 4 feet high) with high visibility flagging.
  - b. Typical stress reduction measures may include, but are not limited to: . Root pruning with a root cutter or vibratory plow designed for that purpose. Trenchers are not allowed, unless approved by the Forest
    - Conservation Inspector ii. Crown Reduction or pruning
    - iii. Watering
    - iv. Fertilizing
    - v. Vertical mulching
  - vi. Root aeration systems

Measures not specified on the Forest Conservation Plan may be required as determined by the Forest Conservation Inspector in coordination with the property owner's arborist.

- 3. A Maryland Licensed Tree expert must perform, or directly supervise, the implementation of all stress reduction measures. Documentation of the process (including photographs) may be required by the Forest Conservation Inspector, and will be determined at the pre-construction meeting.
- 4. Temporary tree protection devices must be installed per the approved Forest Conservation Plan, Exemption Plan, or Tree Save Plan and prior to any land disturbance. 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.
- 5. Tree protection fencing must be installed and maintained by the property owner for the duration of construction project and must not be altered without prior approval from the Forest Conservation Inspector. All construction activity within protected tree and forest areas is prohibited. This includes the following activities:
  - a. Parking or driving of equipment, machinery or vehicles of any type. b. Storage of any construction materials, equipment, stockpiling, fill, debris, etc.
  - c. Dumping of any chemicals (i.e., paint thinner), mortar or concrete remainder,
  - trash, garbage, or debris of any kind.
  - d. Felling of trees into a protected area.
  - e. Trenching or grading for utilities, irrigation, drainage, etc.
- 6. Forest and tree protection signs must be installed as required by the Forest Conservation Inspector. The signs must be waterproof and wording provided in both English and Spanish.

# **During Construction**

- 7. Periodic inspections will be made by the Forest Conservation Inspector. Corrections and repairs to tree protection devices must be completed within the timeframe given by the Inspector.
- 8. The property owner must immediately notify the Forest Conservation Inspector of any damage to trees, forests, understory, ground cover, and any other undisturbed areas shown on the approved plan. Remedial actions, and the relative timeframes to restore these areas, will be determined by the Forest Conservation Inspector.

# Post-Construction

- 9. After construction is completed, but before tree protection devices have been removed, the property owner must request a final inspection with the Forest Conservation Inspector. At the final inspection, the Forest Conservation Inspector may require additional corrective measures, which may include:
  - a. Removal, and possible replacement, of dead, dying, or hazardous trees b. Pruning of dead or declining limbs
  - c. Soil aeration
  - d. Fertilization
  - e. Watering
  - f. Wound repair
  - g. Clean up of retention areas, including trash removal
- 10. After the final inspection and completion of all corrective measures the Forest Conservation Inspector will request all temporary tree and forest protection devices be removed from the site. Removal of tree protection devices that also operate for erosion and sediment control must be coordinated with both DPS and the Forest Conservation Inspector and cannot be removed without permission of the Forest Conservation Inspector. No additional grading, sodding, or burial may take place after the tree protection fencing is removed.
- 11. Long-term protection measures, including permanent signage, must be installed per the approved plan. Installation will occur at the appropriate time during the construction project. Refer to the approved plan drawing for the long-term protection measures to be installed.

#### NATURAL RESOURCE DATA TABLE

Total Area (acres)	0.68
Total Forest (acres)	0
Total Wetland (acres)	0
Total Forest in Wetlands (acres)	0
Total floodplain (acres)	0
Total Forest in Floodplains (acres)	0
Total Stream Buffers (acres)	0
Total Forest in Stream Buffers (acres)	0

#### **SOILS TABLE**

MAP UNIT	MAP UNIT NAME	HIGHLY ERODIBLE (Y/N)	HYDRIC (Y/N)	PRIME AGRICULTURAL LAND (Y/N)
400	Urban land	N	N	N
2UB	Glenelg-Urban land complex, 0 to 8 percent slopes	N	N	N

### SIGNIFICANT TREE IDENTIFICATION:

Point #:	Total DBH: (inches)	Common Name	Scientific Name:	General Condition:	Condition Notes:	
1 39.25		Silver maple	Acer saccharinum	Fair	Canopy small for tree size. Epicormic	
2	28	Eastern cottonwood	Populus deltoides	Fair	70 degree lean.	
3	31	Burford holly	rford holly Ilex cornuta 'Burfordii'		Triple.	
4	24	Burford holly	llex comuta 'Burfordii'	Good	Twin.	
5	38.75	Cherry species	Prunus species	Poor	moderate branch dieback.	
6	40.25	Callery pear	Pyrus calleryana	Fair	Small canopy due to pruning. Multistem.	
7	25	Callery pear	Pyrus calleryana	Fair	Small canopy due to pruning. Twin.	
8*	30	Black locust	Robinia pseudoacacia	Poor	Severe canopy dieback. DBH by ocular estimate.	

- 1. BOLD TYPE DENOTES SPECIMEN TREE
- 2. "\*" DENOTES DBH MEASURED BY OCULAR ESTIMATE

Condtion Scoring System		
Excellent		
Good		
Fair		
Poor		

# STANDARD TREE SAVE NOTES: ALL FIELD INSPECTIONS MUST BE REQUESTED BY THE APPLICANT. FIELD INSPECTIONS MUST BE CONDUCTED AS FOLLOWS:

- (1) after the limits of disturbance have been staked and flagged, but before any clearing or grading begins (the purpose of the meeting should be to field verify the limits of clearing specified on the approved plan, authorize necessary adjustments, and to authorize necessary stress reduction measures and installation of protection devices);
- (2) after necessary stress reduction measures have been completed and the protection measures have been installed, but before any clearing or grading begins (the purpose of the meeting should be to field verify that both measures have been done correctly and to authorize clearing and grading);
- (3) after completion of all construction activities to determine the level of compliance with the approved plan;
- (4) before the start of any required reforestation planting (the purpose of the meeting should be to determine whether necessary pre-planting measures have been completed and authorize any necessary adjustments to the planting specification);
- (5) after required reforestation and afforestation planting has been completed to verify that the planting is acceptable and to begin the required maintenance and management period;
- (6) Two years after reforestation and afforestation have been completed, to determine survival and assess necessary maintenance activities for the remaining duration of the maintenance and management period; and
- (7) At the end of the maintenance and management period to determine the level of compliance with provisions of the planting plan and, if appropriate, authorize release of any financial security.

Tree Protection Fence Detail Not to scale

SECURE FENCING TO METAL POSTS

STANDARD SYMBOL

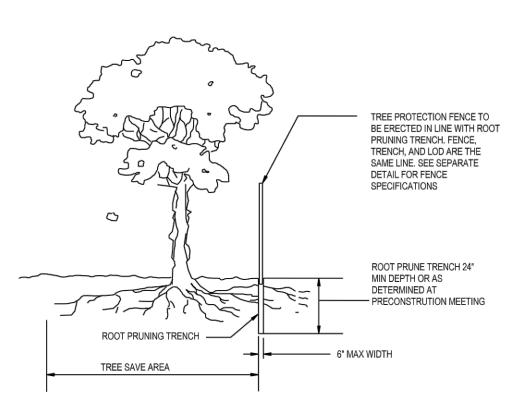
—TPF—TPF—



# **NOTES**

- Practice may be combined with sediment control
- 2. Location and limits of fencing should be
- coordinated in field with arborist.
- Boundaries of protection area should be staked prior to installing protective device.
- Root damage should be avoided.
- Protection signage is required.
- Fencing shall be maintained throughout

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NOTES:

1. RETENTION AREAS WILL BE SET AS PART OF THE REVIEW PROCESS AND PRECONSTRUCTION

2. BOUNDARIES OF RETENTION AREAS MUST BE STAKED AT THE PRECONSTRUCTION MEETING AND FLAGGED PRIOR TO TRENCHING. 3. EXACT LOCATION OF TRENCH SHALL BE DETERMINED IN THE FIELD IN COORDINATION WITH

THE FOREST CONSERVATION (FC) INPECTOR 4. TRENCH SHOULD BE IMMEDIATELY BACKFILLED WITH EXCAVATED SOIL OR OTHER ORGANIC

SOIL AS SPECIFIED PER PLAN OR BY THE FC INSPECTOR. 5. ROOTS SHALL BE CLEANLY CUT USING VIBRATORY KNIFE OR OTHER ACCEPTABLE EQUIPMENT.

6. ALL PRUNING MUST BE EXECUTED WITH LOD SHOWN ON PLANS OR AS AUTHORIZED IN WRITING BY THE FC INSPECTOR.

ROOT PRUNING DETAIL

SUBDIVISION:

LIBER/FOLIO:

PARCEL; LOT/BLOCK:

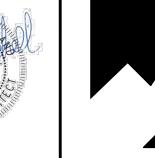


DESIGN ON MALLORY 23.07.13 DAVID MITCHE Landscape Designer Checked By: Architect Date Checked By JASON AZAR, P.E. 23.07.13 DANA CLAR Date Checked By Expiration Date <u>03/20/2024</u> MATT EDELMAN, E.I.T. 23.07.13 JASON AZAF Date | Checked By

Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional Landscape Architect under the laws of the State of Maryland.

icense No. 3126





The Maryland-National Capital Park and Planning Commission

Montgomery County Department of Parks 2425 Reedie Drive, 11<sup>th</sup> Floor Wheaton, Maryland 20902 (301) 495-2595

REVIEW AND APPROVAL		REVISIONS			Lyttonsville Ar
					2205 Kansas Avenu
		Rev. No.	Date	Description	
Project Manager	Date				
					SIMPLIFIED NRI-
Construction Manager	Date				DETAILS
Park Manager	Date	•			PLAN NO. 42024013E
					SCALE: AS SHOWN

ISSUED FOR PROCUREMENT ON

Lyttonsville Area Future Neighborhood Park 2205 Kansas Avenue, Silver Spring, Maryland 20910

SIMPLIFIED NRI-FSD/TREE SAVE PLAN NOTES AND **DETAILS** 

DWG.#

SHT.# 2 of 2