

LEGEND

- 14" RED OAK EXISTING TREE <24" DBH
- 26" RED OAK EXISTING SIGNIFICANT TREE ≥24" AND <30" DBH WITH TAG NUMBER AND CRZ
- 32" RED OAK EXISTING SPECIMEN TREE ≥30" DBH WITH TAG NUMBER AND CRZ
- FOREST TREELINE
- SCRUB AREA/NON-FOREST CANOPY
- SOIL BOUNDARY
- LIMITS OF SURVEY
- PROPERTY BOUNDARY

MISS UTILITY

- 14" RED OAK EXISTING TREE <24" DBH TO BE REMOVED
- 26" RED OAK EXISTING SIGNIFICANT TREE ≥24" AND <30" DBH WITH TAG NUMBER AND CRZ TO BE REMOVED
- 32" RED OAK EXISTING SPECIMEN TREE ≥30" DBH WITH TAG NUMBER AND CRZ TO BE REMOVED
- FOREST CLEARING AREA
- COMBINED ROOT PRUNE TRENCH/TREE PROTECTION FENCE (TEMPORARY)
- TREE PROTECTION FENCE (TEMPORARY)
- TEMPORARY TREE PROTECTION SIGNAGE (APPROX. 50' O.C.)

MISS UTILITY

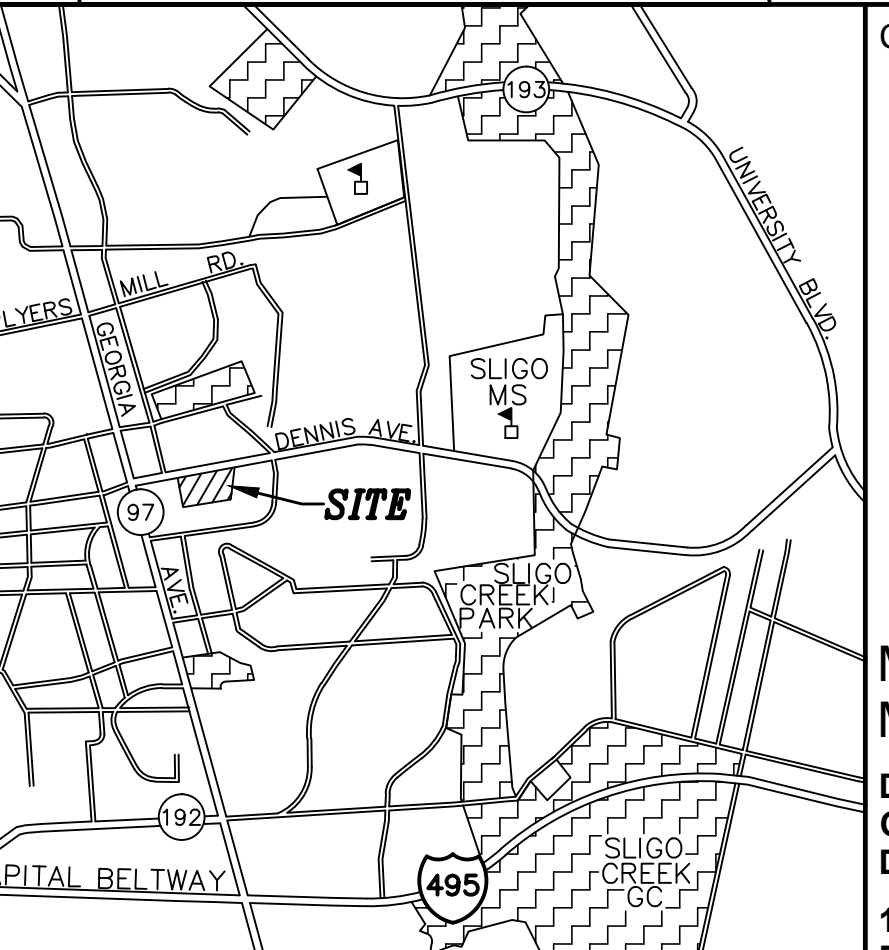
CALL "MISS UTILITY" AT 1-800-257-7777, 48 HOURS PRIOR TO THE START OF WORK. THE EXCAVATOR MUST NOTIFY ALL PUBLIC UTILITY COMPANIES WITH UNDERGROUND FACILITIES IN THE AREA OF PROPOSED EXCAVATION AND HAVE THOSE FACILITIES LOCATED BY THE UTILITY COMPANIES PRIOR TO COMMENCING EXCAVATION. BEFORE EXCAVATION THE CONTRACTOR IS RESPONSIBLE FOR CALLING TICKET CHECK AT 1-866-821-4226 TO VERIFY THAT ALL UTILITIES HAVE BEEN MARKED. 48 HOURS AFTER CALLING MISS UTILITY, THE EXCAVATOR IS RESPONSIBLE FOR COMPLIANCE WITH REQUIREMENTS OF CHAPTER 36A OF THE MONTGOMERY COUNTY CODE.

GENERAL FCP NOTES:

- ROOT PRUNE TRENCH IS NOT TO IMPACT UTILITIES.
- NO CLEARING IS TO TAKE PLACE OUTSIDE OF THE LIMITS OF DISTURBANCE.
- AREAS SHOWN TO BE CLEARED OUTSIDE OF THE LIMITS OF DISTURBANCE ARE FOR CALCULATIONS ONLY.

OWNER/APPLICANT

MONTGOMERY COUNTY
DEPARTMENT OF GENERAL SERVICES
101 MONROE STREET, 11TH FLOOR
ROCKVILLE, MARYLAND 20850
ATTN: KASSAHUN SEYOUNI
TEL: 240.777.6114 FAX: 240.777.6003



MONTGOMERY COUNTY MARYLAND

DEPARTMENT OF GENERAL SERVICES
OFFICE OF PLANNING & DEVELOPMENT
101 MONROE STREET
ROCKVILLE, MARYLAND 20850

PROJECT:
DENNIS AVENUE HEALTH CENTER
2000 DENNIS AVENUE, SILVER SPRING, MD

GRIMM + PARKER ARCHITECTS

11720 BELTSVILLE DRIVE, SUITE 600
CALVERTON, MARYLAND 20705
T: 301-595-1000 F: 301-595-0089
www.grimmandparker.com

WILMOT SANZ ARCHITECTURE PLANNING

18310 MONTGOMERY VILLAGE AVENUE
GAITHERSBURG, MARYLAND 20879
T: 301-590-2900 F: 301-590-8150
www.wilmot.com

CONSULTANT:

ADTEK
CIVIL, STRUCTURAL, SPECIALTY ENGINEERING & LANDSCAPE ARCHITECTURE
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Frederick, Maryland 21701
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REGISTRATION:

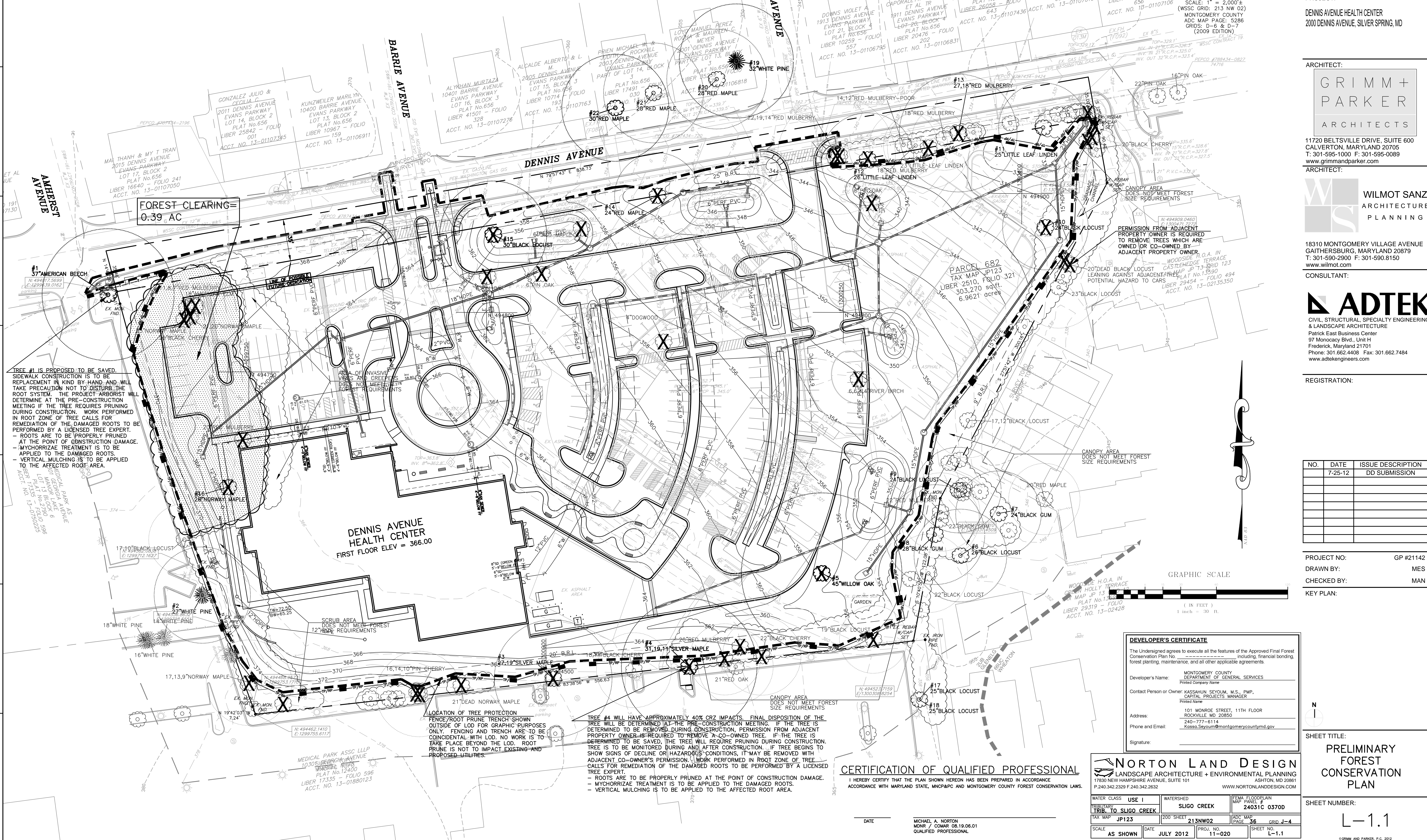
NO.	DATE	ISSUE DESCRIPTION
	7-25-12	DD SUBMISSION

PROJECT NO: GP #21142
DRAWN BY: MES
CHECKED BY: MAN
KEY PLAN:

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SHEET TITLE:
PRELIMINARY FOREST CONSERVATION PLAN

SHEET NUMBER:
L-1.1



TREE #1 IS PROPOSED TO BE SAVED. SIDEWALK CONSTRUCTION IS TO BE REPLACEMENT IN KIND BY HAND AND WILL TAKE PRECAUTION NOT TO DISTURB THE ROOT SYSTEM. THE PROJECT ARBORIST WILL DETERMINE AT THE PRE-CONSTRUCTION MEETING IF THE TREE REQUIRES PRUNING DURING CONSTRUCTION. WORK PERFORMED IN ROOT ZONE OF TREE CALLS FOR REMEDIATION OF THE DAMAGED ROOTS TO BE PERFORMED BY A LICENSED TREE EXPERT. - ROOTS ARE TO BE PROPERLY PRUNED AT THE POINT OF CONSTRUCTION DAMAGE. - MYCORRHIZAE TREATMENT IS TO BE APPLIED TO THE DAMAGED ROOTS. - VERTICAL MULCHING IS TO BE APPLIED TO THE AFFECTED ROOT AREA.

CERTIFICATION OF QUALIFIED PROFESSIONAL

I HEREBY CERTIFY THAT THE PLAN SHOWN HEREON HAS BEEN PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF MARYLAND STATE, MNC&P AND MONTGOMERY COUNTY FOREST CONSERVATION LAWS.

MICHAEL A. NORTON
MONR / COMAR 08.19.06.01
QUALIFIED PROFESSIONAL

DEVELOPER'S CERTIFICATE

The Undersigned agrees to execute all the features of the Approved Final Forest Conservation Plan No. _____ including, financial bonding, forest planning, maintenance, and all other applicable agreements.

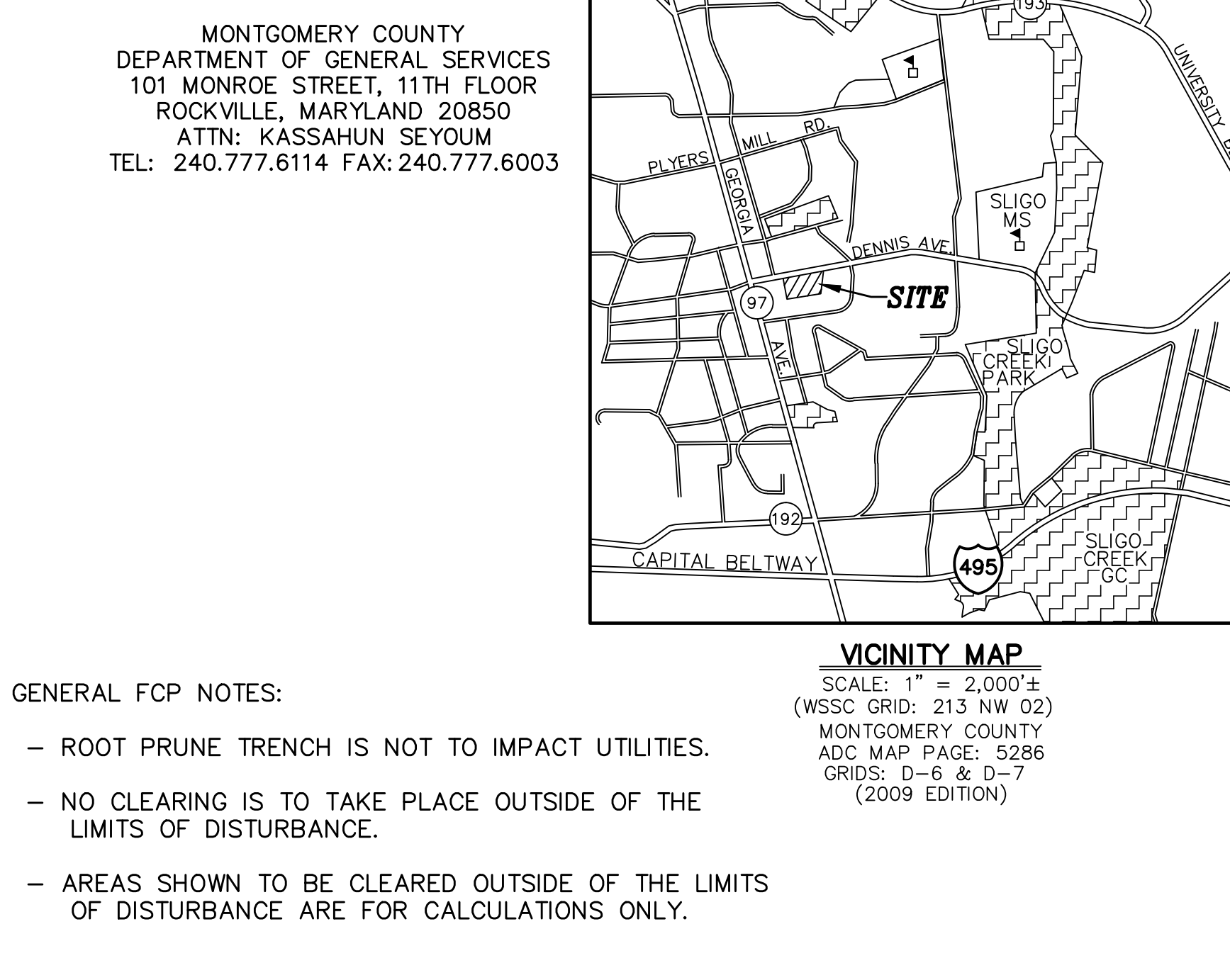
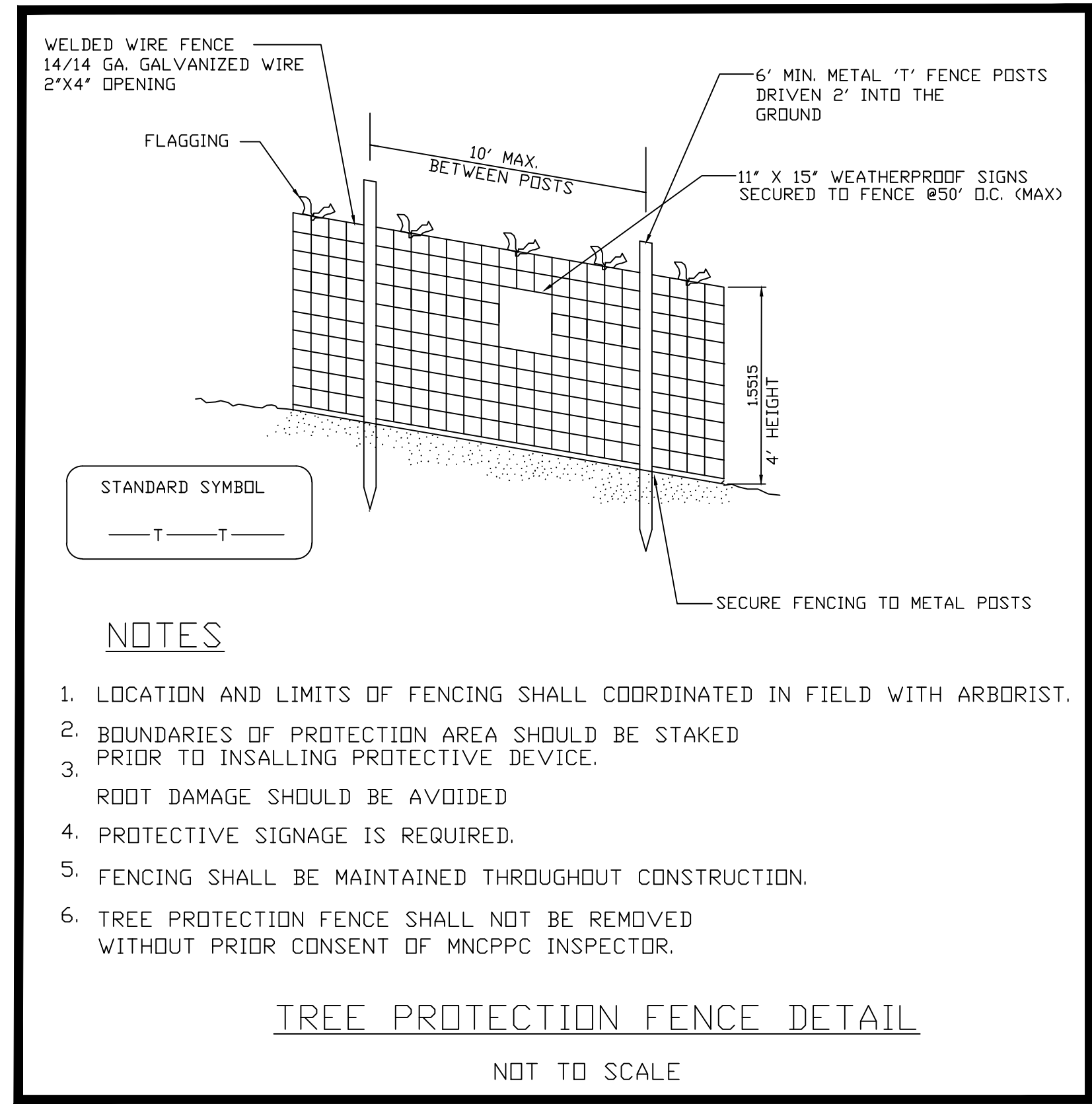
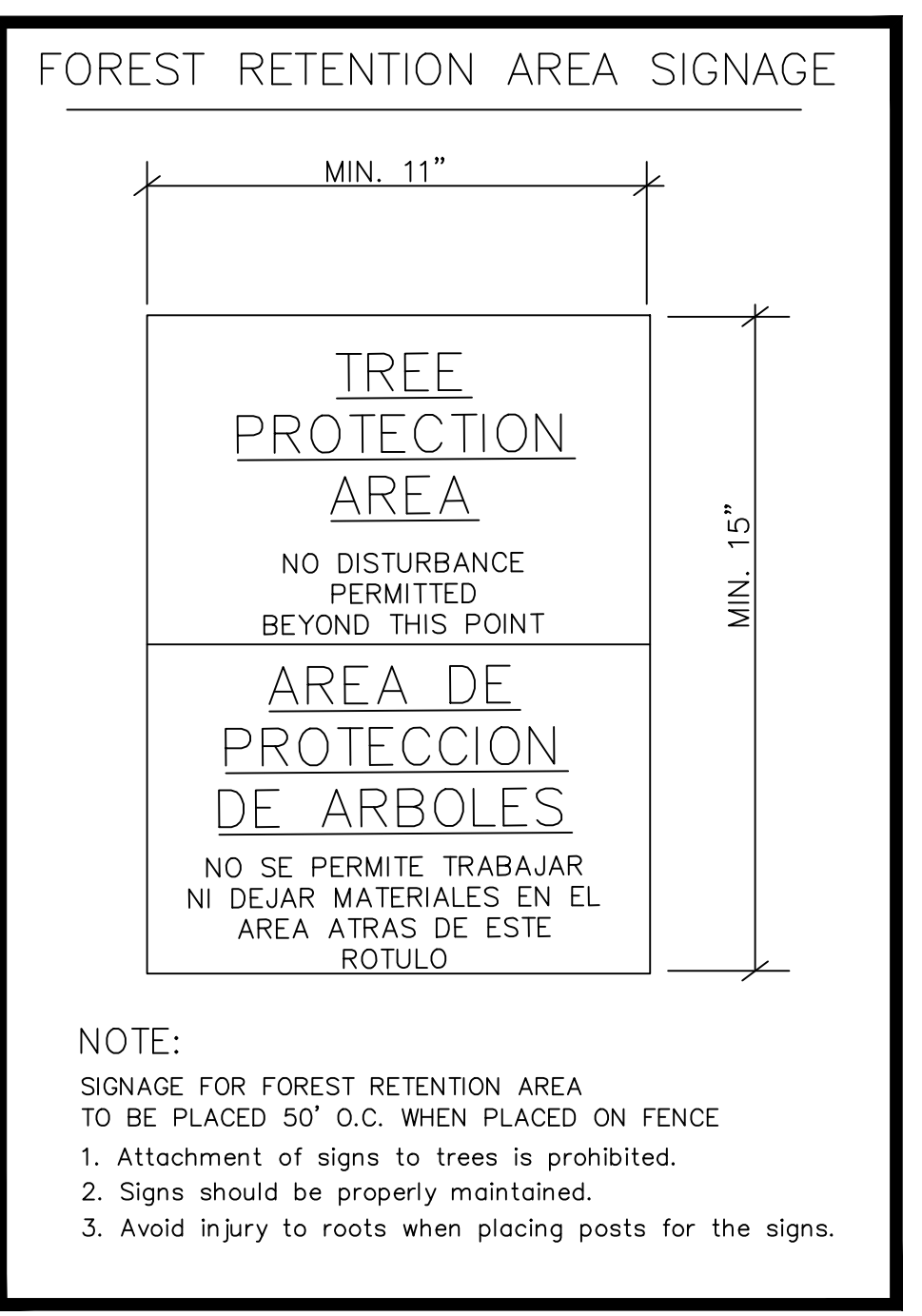
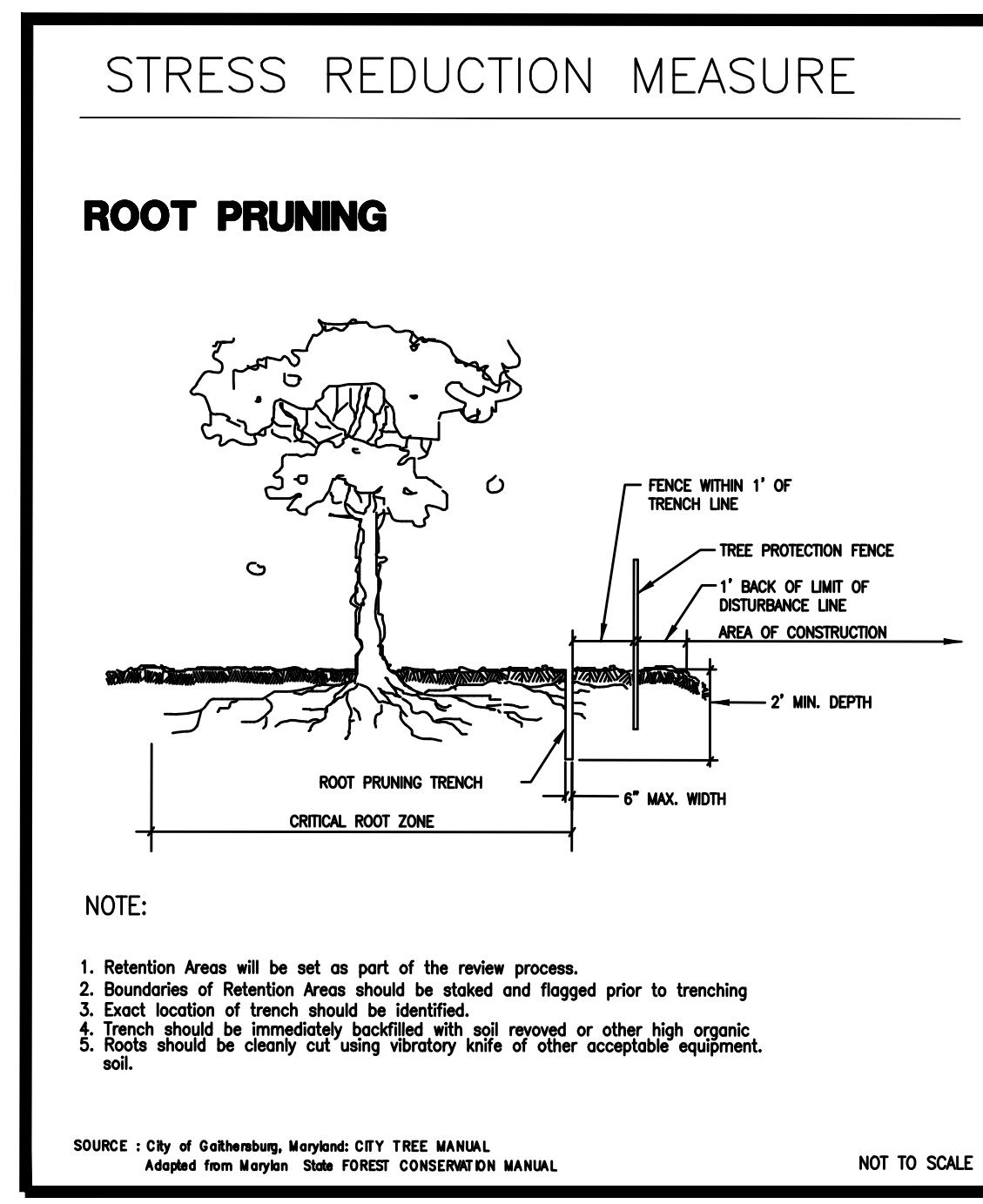
Developer's Name: MONTGOMERY COUNTY DEPARTMENT OF GENERAL SERVICES
Contact Person or Owner: KASSAHUN SEYOUNI, M.S., F.M.P., CAPITAL PROJECTS MANAGER
Address: 101 MONROE STREET, 11TH FLOOR, ROCKVILLE, MD 20850
Phone and Email: 240-777-6114, Kassa.seyouni@montgomerycountymd.gov

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17830 NEW HAMPSHIRE AVENUE, SUITE 101
ASHTON, MD 20861
P.240.342.2329 F.240.342.2632 WWW.NORTONLANDDESIGN.COM

WATER CLASS	USE 1	WATERSHED	SLIGO CREEK	FEMA FLOODPLAIN MAP PANEL #	24031C 0370D
TAX MAP	JP123	ZONING	213NW02	ACC. MAP	36 GRID J-4
SCALE	AS SHOWN	DATE	JULY 2012	PROJ. NO.	11-020
				SHEET NO.	L-1.1

FOREST CONSERVATION WORKSHEET DENNIS AVENUE HEALTH CENTER 5-Aug-02. NET TRACT AREA: 6.97. LAND USE CATEGORY: ARA 0, MDR 0, IDA 1, HDR 0, MPD 0, CIA 0. EXISTING FOREST COVER: 0.39. BREAK EVEN POINT: 0.00. PROPOSED FOREST CLEARING: 0.39. PLANTING REQUIREMENTS: 0.00. * 6.96 ACRES PROPERTY AREA. ** 1.44 ACRES AFFORESTATION/REFORESTATION PROPOSED OFFSITE.

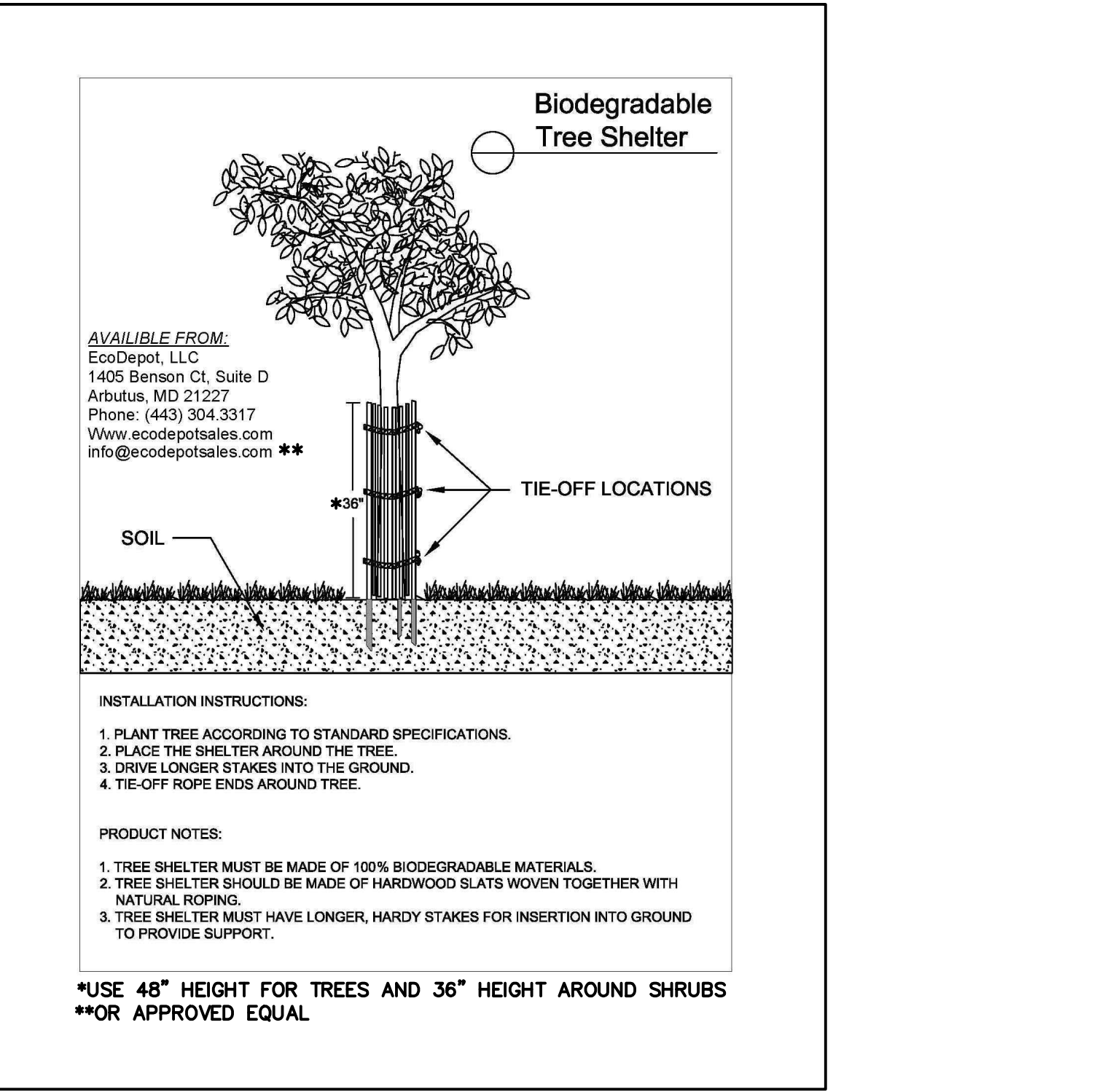
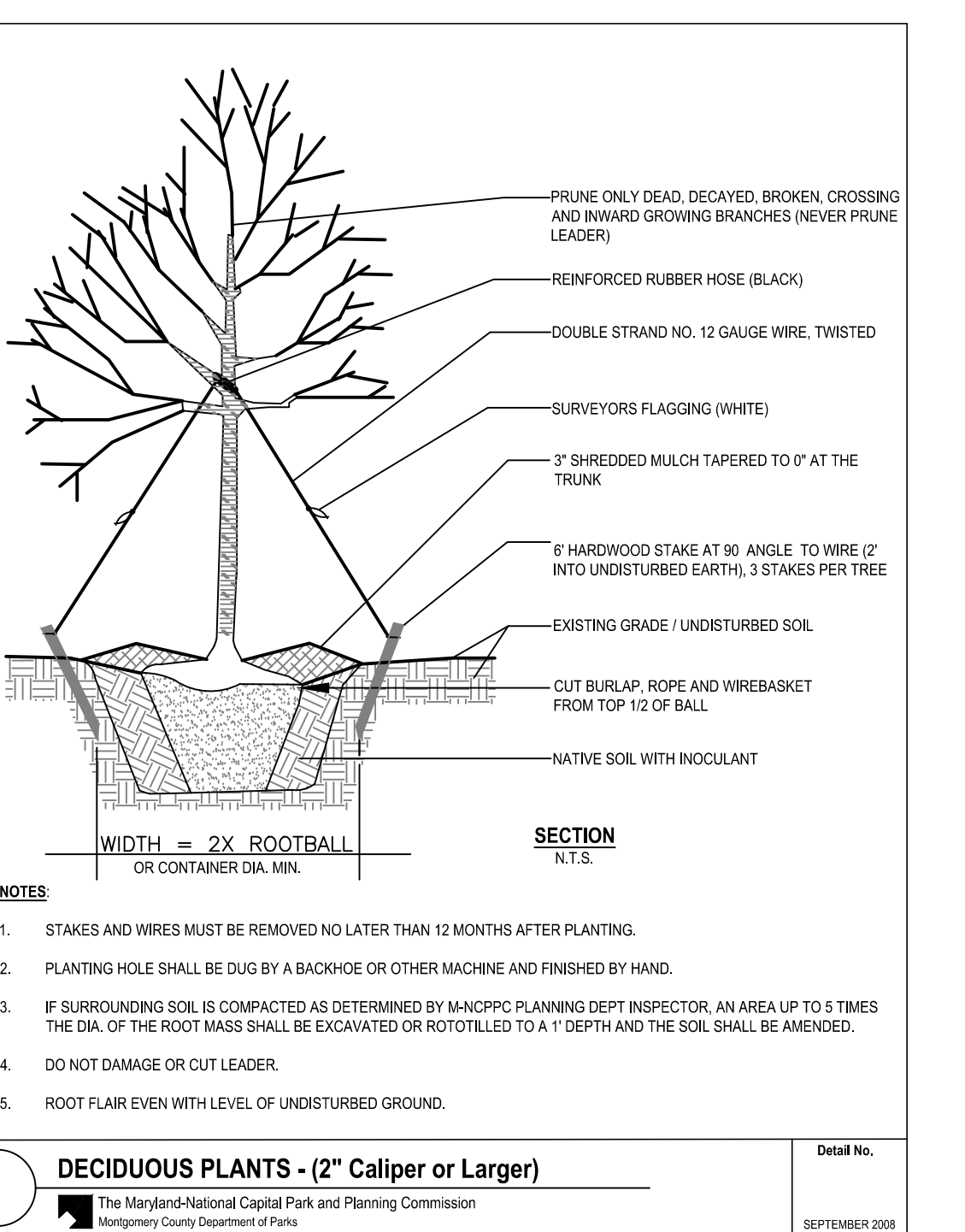
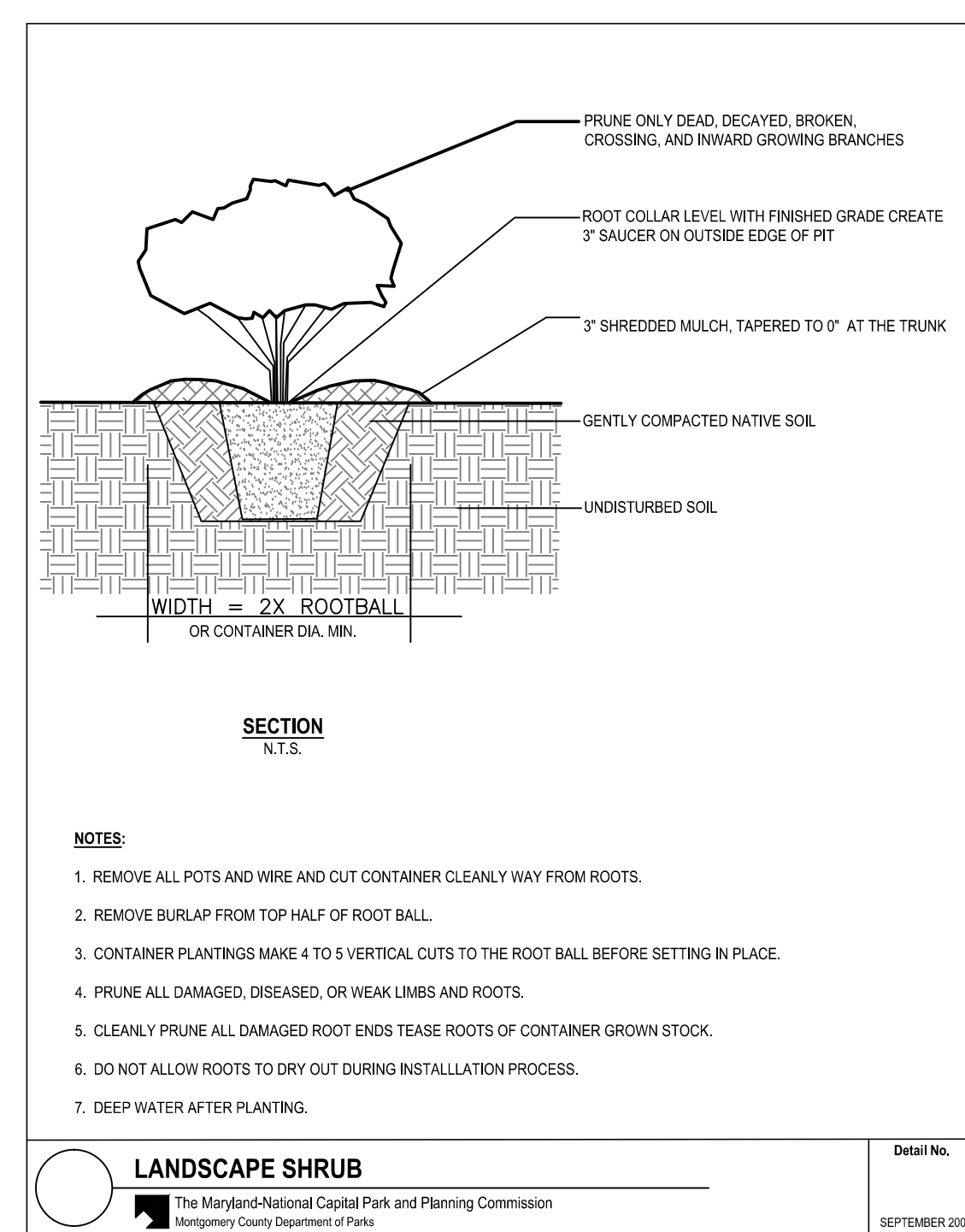
Sequence of Events for Property Owners Required to Comply with Forest Conservation and/or Tree-Save Plans. Pre-Construction: 1. An on-site pre-construction meeting is required after the limits of disturbance have been staked and flagged... 2. No clearing or grading shall begin before stress-reduction measures have been implemented... 3. A Maryland-licensed tree expert or an International Society of Arboriculture-certified arborist must perform all stress reduction measures... 4. Temporary tree protection devices shall be installed per the Forest Conservation Plan/Tree Save Plan... 5. Temporary protection devices shall be maintained and installed by the contractor for the duration of construction project... 6. Forest retention area signs shall be installed as required by the forest conservation inspector... 7. Long-term protection devices will be installed per the Forest Conservation Plan/Tree Save Plan and attached details... 8. Periodic inspections by the forest conservation inspector will occur during the construction project... 9. After construction is completed, an inspection shall be requested. Corrective measures may include: a. Removal and replacement of dead and dying trees... 10. After inspection and completion of corrective measures have been undertaken, all temporary protection devices shall be removed from the site.



GENERAL FCP NOTES: - ROOT PRUNE TRENCH IS NOT TO IMPACT UTILITIES. - NO CLEARING IS TO TAKE PLACE OUTSIDE OF THE LIMITS OF DISTURBANCE. - AREAS SHOWN TO BE CLEARED OUTSIDE OF THE LIMITS OF DISTURBANCE ARE FOR CALCULATIONS ONLY. SITE PLANTING GENERAL NOTES: 1. DRAWINGS ARE FOR TREE CONSERVATION AND REFORESTATION PURPOSES ONLY. AS-BUILT CONDITIONS MAY VARY. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND UTILITY LOCATIONS SHOWN AND DESCRIBED ON THE DRAWINGS, AND SHALL INFORM NORTON LAND DESIGN, TEL NO. 301-216-9650 OF ANY DISCREPANCIES OR POTENTIAL PROBLEMS PRIOR TO COMMENCING WORK. 2. IN REFORESTATION AREAS ALL BRANCHED DECIDUOUS TREES SHALL BE PLANTED WITH RANDOM SPACING 20.9' ON CENTER. SHRUBS AND CONTAINER GROWTH EVERGREENS NOT IN PLANTING BEDS SHALL BE PLANTED IN RANDOM SPACING 33.0' ON CENTER. 3. DO NOT PLANT TREES OR SHRUBS WITHIN 3'-0" OF THE CENTERLINE OF SWALES OR DITCHES. 4. "MISS UTILITY" (1-800-257-7777) MUST BE CONTACTED A MINIMUM OF 48 HOURS PRIOR TO PROCEEDING WITH ANY EXCAVATION FOR PLANT MATERIAL INSTALLATION. 5. NO PLANT MATERIAL SHALL BE PLANTED DIRECTLY IN FRONT OF ROADWAY SIGN SIGHT LINES. 6. PLANT MATERIALS AND PLANTING MEASURES SHALL CONFORM WITH THE "LANDSCAPE SPECIFICATION GUIDELINES FOR THE BALTIMORE-WASHINGTON METROPOLITAN AREAS", LATEST EDITION. 7. ALL PLANTS SHALL BE WATERED FOR A TWO YEAR PERIOD AS REQUIRED. THE CONTRACTOR SHALL PROVIDE SUFFICIENT MANPOWER AND EQUIPMENT TO COMPLETE THE WATERING AS REQUIRED. 8. THE FOLLOWING LIST OF PLANTS SHALL BE PLANTED ONLY DURING THE SPRING PLANTING SEASON: ACER RUBRUM AND QUERCUS SPP. (ALL OAK SPECIES). 9. ALL EXISTING TRASH AND IMPERVIOUS AREAS SHOWN ON THE PLAN TO BE REMOVED MUST BE REMOVED AND ANY DISTURBED SOIL MUST BE STABILIZED AND SEEDED. IT MAY BE NECESSARY TO SCARIFY AND/OR AERATE THE SOIL. 10. PLANTS SHALL BE INSPECTED BY THE CONTRACTOR AND ANY MATERIAL THAT IS EITHER DAMAGED OR WHICH HAS ROOT BALL COMPACTION, J-ROOTED OR KINKED ROOT SYSTEMS WILL BE REPLACED. NO PLANTS WILL BE STORED ON SITE. PLANTS WILL BE PLANTED IMMEDIATELY ONCE RECEIVED FROM THE NURSERY. 11. STOCK WILL BE PLANTED IN RANDOM ORDER TO REFLECT NATURAL GROWTH OF THE FOREST. 12. PLANTING FIELD SHOULD BE 2X ROOT BALL DIAMETER. NATIVE SOIL MATERIAL WILL BE USED TO BACKFILL PLANT SITE AND AREA WILL BE PACKED TO REMOVE AIR POCKETS. RAKE SOIL EVENLY OVER THE PLANTING FIELD AND COVER HOLE WITH THREE INCHES OF MULCH. WATER TO SETTLE SOIL AND PROVIDE MOISTURE AS NEEDED. 13. DEER PROTECTION MEASURES TO BE PROVIDED FOR ALL PLANTED TREES. SPECIFIC MEASURES TO BE DETERMINED AS PART OF THE PRE-PLANTING MEETING.

SITE TABULATIONS: ACREAGE OF TRACT: 6.97. ACREAGE OF TRACT REMAINING IN AGRICULTURE: 0. ACREAGE OF ROAD AND UTILITY R/W WHICH WILL NOT BE IMPROVED AS PART OF DEV. APPLICATION: 0.39. ACREAGE OF EX. FOREST: 0. ACREAGE OF TOTAL FOREST RETENTION: 0.00. ACREAGE OF TOTAL FOREST CLEARED: 0.39. LAND USE CATEGORY: IDA. AFFORESTATION THRESHOLD: 1.05. CONSERVATION THRESHOLD: 1.39. ACREAGE OF FOREST RETAINED, CLEARED, AND PLANTED WITHIN WETLANDS: 0.00/0.00/0.00. ACREAGE OF FOREST RETAINED, CLEARED, AND PLANTED WITHIN 100-YEAR FLOODPLAIN: 0.00/0.00/0.00. ACREAGE OF FOREST RETAINED, CLEARED, AND PLANTED WITHIN STREAM BUFFERS: 0.00/0.00/0.00. ACREAGE OF FOREST RETAINED, CLEARED, AND PLANTED WITH PRIORITY AREAS: 0.00/0.00/0.00. LINEAR EXTENT & AVERAGE WIDTH OF STREAM BUFFER: 0'/0'. TOTAL DBH INCHES OF SPECIMEN TREES REMOVED: 136. X 0.25 = REQUIRED CALIPER INCHES MITIGATION: 34. TOTAL CALIPER INCHES OF SPECIMEN TREE MITIGATION PROPOSED: 36.

PLANTING SCHEDULE. Table with columns: TASKS, MONTHS (JAN-DEC). Tasks include: TRANSPLANT OF 2" DBH OR GREATER, PLANTING SEEDLINGS, WHIPS, MINIMUM MONITORING, FERTILIZER (IF NEEDED), WATER, PRUNING. Key: * ACTIVITIES DURING THESE MONTHS ARE DEPENDENT UPON GROUND CONDITIONS. GREATLY RECOMMENDED, RECOMMENDED WITH ADDITIONAL CARE, RECOMMENDED.



PROPOSED SPECIMEN TREE MITIGATION PLANT SCHEDULE. Table with columns: KEY, BOTANICAL NAME, COMMON NAME, SIZE, FORM, SPACING, QUANTITY. Rows include: TBD, TBD, TBD, 3\"/>

Significant/Specimen Tree Summary 24\"/>

Condition Scoring System. Table with columns: Condition, Score. Rows include: No Apparent Problems (Excellent), Minor Problems (Good), Major Problems (Fair), Extreme Problems (Poor).

MISS UTILITY. 1. REMOVE ALL POTS AND WIRE AND CUT CONTAINER CLEANLY WAY FROM ROOTS. 2. REMOVE BURLAP FROM TOP HALF OF ROOT BALL. 3. CONTAINER PLANTINGS MAKE 4 TO 5 VERTICAL CUTS TO THE ROOT BALL BEFORE SETTING IN PLACE. 4. PRUNE ALL DAMAGED, DISEASED, OR WEAK LIMBS AND ROOTS. 5. CLEANLY PRUNE ALL DAMAGED ROOT ENDS TEARS ROOTS OF CONTAINER GROWN STOCK. 6. DO NOT ALLOW ROOTS TO DRY OUT DURING INSTALLATION PROCESS. 7. DEEP WATER AFTER PLANTING.

CERTIFICATION OF QUALIFIED PROFESSIONAL. I HEREBY CERTIFY THAT THE PLAN SHOWN HEREON HAS BEEN PREPARED IN ACCORDANCE ACCORDING WITH MARYLAND STATE, MNC&PC AND MONTGOMERY COUNTY FOREST CONSERVATION LAWS. MICHAEL A. NORTON, MONTGOMERY COUNTY DEPARTMENT OF GENERAL SERVICES, QUALIFIED PROFESSIONAL.

DEVELOPER'S CERTIFICATE. The Undersigned agrees to execute all the features of the Approved Final Forest Conservation Plan No. _____ including, financial bonding, forest planning, maintenance, and all other applicable agreements. Developer's Name: MONTGOMERY COUNTY DEPARTMENT OF GENERAL SERVICES. Contact Person or Owner: KASSAHUN SEYOUM, M.S., F.M.P., CAPITAL PROJECTS MANAGER. Address: 101 MONROE STREET, 11TH FLOOR, ROCKVILLE, MD 20850. Phone and Email: 240-777-6114, kassahun.seyoum@montgomerycountymd.gov.

NORTON LAND DESIGN. LANDSCAPE ARCHITECTURE + ENVIRONMENTAL PLANNING. 17830 NEW HAMPSHIRE AVENUE, SUITE 101, ASHTON, MD 20861. P: 240.342.2329 F: 240.342.2632 WWW.NORTONLANDDESIGN.COM. WATER CLASS: USE 1. WATERSHED: SLIGO CREEK. FEMA FLOODPLAIN MAP PANEL # 24031C 0370D. TRIBUTARY: SLIGO CREEK. TAX MAP: JP123. ZOO SHEET: 213NW02. ADC MAP: 36. GRID: J-4. SCALE: AS SHOWN. DATE: JULY 2012. PROJ. NO.: 11-020. SHEET NO.: L-1.2.

MONTGOMERY COUNTY MARYLAND. DEPARTMENT OF GENERAL SERVICES OFFICE OF PLANNING & DEVELOPMENT. 101 MONROE STREET, ROCKVILLE, MARYLAND 20850. CLIENT: DENNIS AVENUE HEALTH CENTER, 2000 DENNIS AVENUE, SILVER SPRING, MD.

GRIMM + PARKER ARCHITECTS. 11720 BELTSVILLE DRIVE, SUITE 600, CALVERTON, MARYLAND 20705. T: 301-595-1000 F: 301-595-0089 www.grimmandparker.com. ARCHITECT: WILMOT SANZ ARCHITECTURE PLANNING. 18310 MONTGOMERY VILLAGE AVENUE, GAITHERSBURG, MARYLAND 20879. T: 301-590-2900 F: 301-590-8150 www.wilmot.com. CONSULTANT:

ADTEK. CIVIL, STRUCTURAL, SPECIALTY ENGINEERING & LANDSCAPE ARCHITECTURE. Patrick East Business Center, 97 Monocacy Blvd., Unit H, Frederick, Maryland 21701. Phone: 301.662.4408 Fax: 301.662.7484 www.adtekengeers.com.

REGISTRATION. Table with columns: NO., DATE, ISSUE DESCRIPTION. Row 1: 7-25-12, DD SUBMISSION.

PROJECT NO: GP #21142. DRAWN BY: MES. CHECKED BY: MAN. KEY PLAN:

PRELIMINARY FOREST CONSERVATION PLAN. SHEET TITLE: SHEET NUMBER: L-1.2. SHEET NO.: L-1.2. © GRIMM AND PARKER, P.C. 2012. Original Drawing is 30\"/>