PITCHFORDASSOCIATES
arboriculture + environmental consulting

TREE SAVE PLAN
4509 FOXHALL CRESCENTS DRIVE, NW
WASHINGTON, D C.
October 27, 2014

I Pre-construction treatments.

A. Project arborist The construction contractor shall designate a project arborist to monitor the various aspects of this plan including root pruning, fencing installation, soil moisture monitoring and periodic site visits. Arborist shall be certified by the International Society of Arboriculture (ISA), and have a minimum of 5 (five) years of tree protection experience A portfolio of this work may be required

B Root pruning Root pruning shall be conducted along the limits of disturbance (LOD), and with a tool designed for this purpose Acceptable tools include a rock saw, vibratory plow, or high-pressure pneumatic air gun (air spade) Roots must be cut cleanly with a sharp pruning tool if an air spade is used. All cut roots must be backfilled within 48 hours All root pruning shall be performed, or monitored by, an arborist certified by the ISA

C Tree protection fencing: Tree protection fencing shall consist of one of the following two options: Super silt fence (SSF), where installed along the LOD, is acceptable as tree protection fencing. Signs must be installed that clearly delineate the area behind the fence as tree protection. This area is off limits to stockpiled material, vehicles or any construction personnel without consent of the project arborist. Spacing shall be every 30' along the fence line

In areas along the LOD where SSF is not installed, tree protection fencing shall be a 14-guage, galvanized, welded wire fence. This fence shall be a minimum of 4' tall, and set on metal posts, 8' long and driven 2' into the ground. Maximum spacing of posts shall be 10 feet Strips of orange flagging shall be adhered to the top of the fence at a minimum spacing of 3 feet Signage must be attached that delineates the area behind as tree protection area. Signage spacing is at a minimum of 30' apart.

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CASE NO. 18708
EXHIBIT NO. 63

D. Removals: Remove the following trees following the root pruning treatment Trees #'s 1-12, 16, 17 & 18. Trees, or tree parts, shall not be dropped into the tree save area No debris from the removal operation shall be stockpiled in the tree save area. Remaining stumps may be pulled from the ground with heavy machinery once the root pruning operation has been conducted In no case, should stumps be pulled from the ground before root pruning has occurred

E. Removal of English ivy from tree trunks English ivy that has grown up the main trunk shall be severed at breast height. Impacted trees include #'s 13, 22 and 23. A window of at least 12" shall be created between the ivy roots and cut vines The tree

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bark must not be breached during this treatment

II. Construction period treatments:

A. Supplemental irrigation: All protected trees may receive supplemental irrigation during any week during the growing season (March – September) when less than 1" of natural rainfall occurs. Irrigation shall be supplied by a system of drip irrigation or deep root injection. No overhead sprinklers shall be used. The project arborist will conduct soil moisture monitoring, and may recommend irrigation.

B. Insect control. Onyx insecticide (bifenthrin), or an approved equal, may be applied in the first weeks of April and July to all protected trees, and at the direction of the project arborist

C Crown cleaning Prune all major deadwood from preservation candidates as it occurs The preferred timing for this operation is the dormant season (November – February)

D Critical root zone protection systems. In areas where temporary storage of materials is necessary within the tree save area, a system of root protection matting must be established At a minimum, this system shall consist of a Triplaner geonet and with at least 2-4" of a mulch material added on top. The project arborist shall approve this system At no time shall chemicals that could be harmful to the trees be stored, or mixed within the CRZ

III. Post-construction period (Five years from completion of construction activity).

A Insect control: In the spring of each year, Merit 2F may be applies as a soil injection, or an approved equal. Merit is produced by Bayer Environmental Science, Research Triangle Park, NC, 27709.

Additionally, selected trees may be sprayed with 'Onyx' insecticide (bifenthrin), per product label (or an approved equal) Application shall be made at the direction of the project arborist Onyx is formulated by FMC Corporation, 1-800-230-1093

B Supplemental irrigation. All protected trees may receive supplemental irrigation, as needed, during any week during the growing season (March – September) when less than 1" of natural rainfall occurs. Irrigation shall be supplied by a system of drip irrigation or deep root injection. No overhead sprinklers shall be used. The project arborist shall conduct soil moisture monitoring, and watering shall be at their direction

C. Crown cleaning: Prune all major deadwood from preservation candidates as necessary. The preferred timing for this operation is the dormant season (November – February)

D. Critical root zone limitations: Limitations shall be set on the following activities within the CRZ – landscape plantings, installation of irrigation and/or lighting lines, and

any other activity that may harm roots by digging or trenching within the CRZ and root plate area The project arborist shall approve all activities within the CRZ as described in this section.

E Removals No protected tree may be removed unless it is deemed by project arborist to be dead, dying or hazardous. All removals must be done in a manner that will not harm other trees to remain in the tree save area.

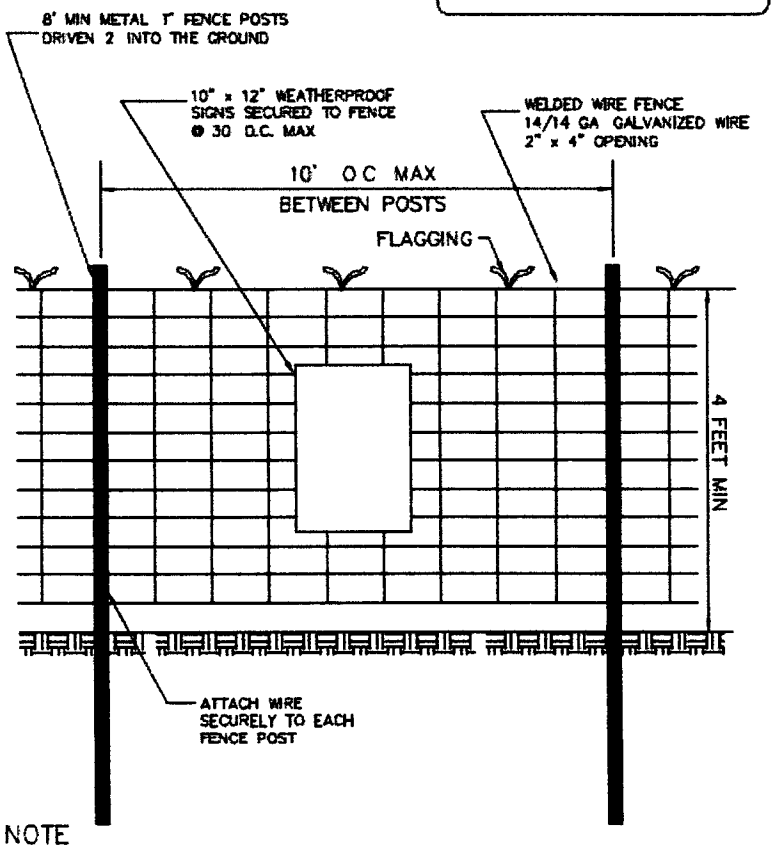
Sincerely,

Keith C Pitchford
ISA Certified Arborist, MA-0178
ISA Certified Tree Risk Assessor, #922
MD Licensed Tree Expert, #589
MD Licensed Forester, #675

TREE PROTECTION FENCING

WELDED WIRE FENCE

SYMBOL ——TPD1——



NOTE

1 PRACTICE MAY BE COMBINED WITH SEDIMENT CONTROL FENCING
2 LOCATION AND LIMITS OF FENCING SHALL BE COORDINATED IN FIELD WITH ARBORIST
3 BOUNDARIES OF PROTECTION AREAS SHOULD BE STAKED AND FLAGGED PRIOR TO INSTALLING PROTECTIVE DEVICE.
4 ROOT DAMAGE SHOULD BE AVOIDED WHEN INSTALLING DEVICE.
5 PROTECTIVE SIGNAGE IS REQUIRED
6 FENCING SHOULD BE MAINTAINED THROUGHOUT CONSTRUCTION

TEMPORARY TREE PROTECTION SIGNAGE

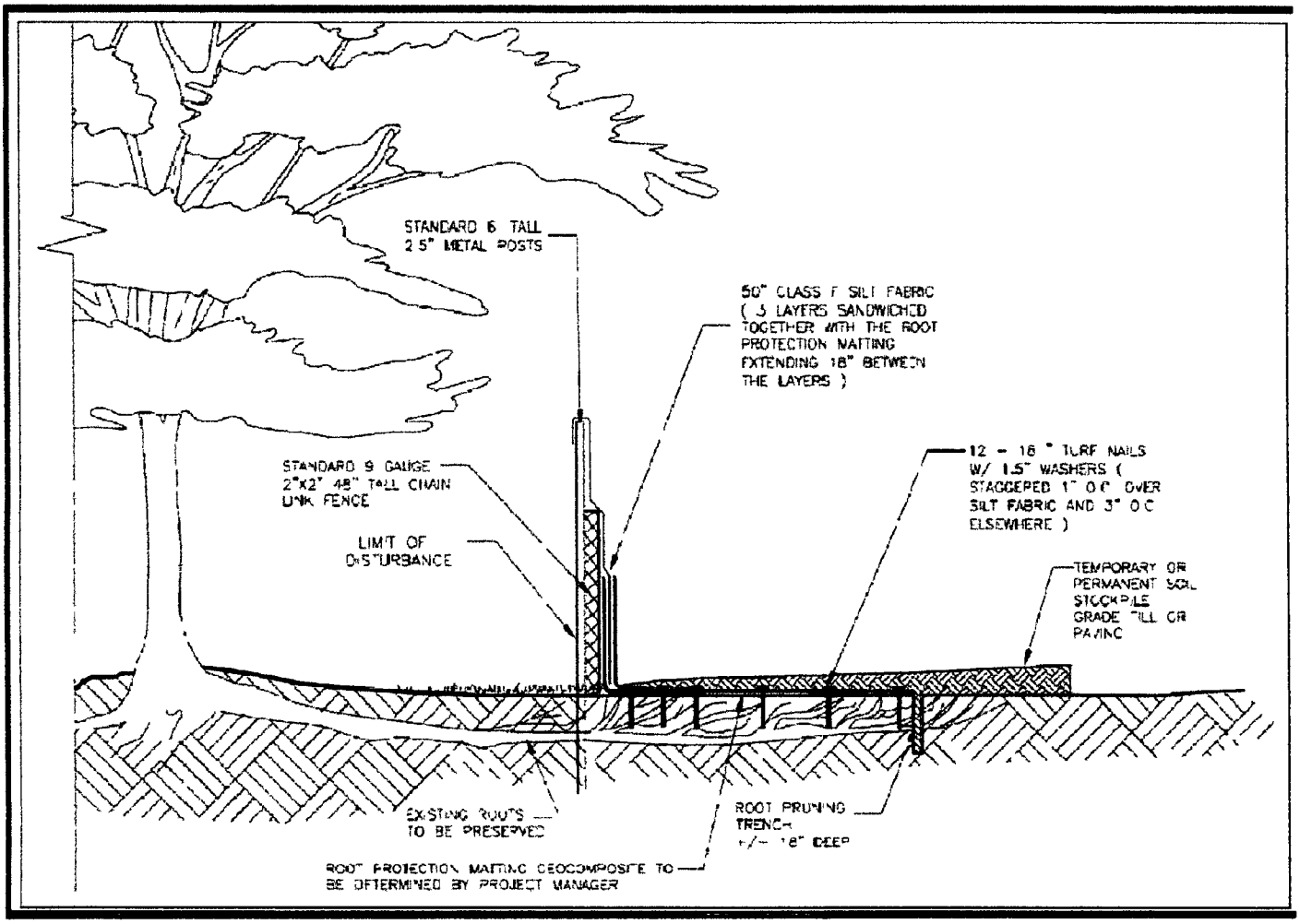
NOTE

1 ATTACHMENT OF SIGNS SECURELY TO THE WELDED WIRE TREE PROTECTION FENCING IN LOCATIONS AS SHOWN ON THE PLAN OR 30' O C MAXIMUM

2 SIGNS SHOULD BE PROPERLY MAINTAINED

3 ATTACHEMENT OF SIGNS TO TREE IS PROHIBITED

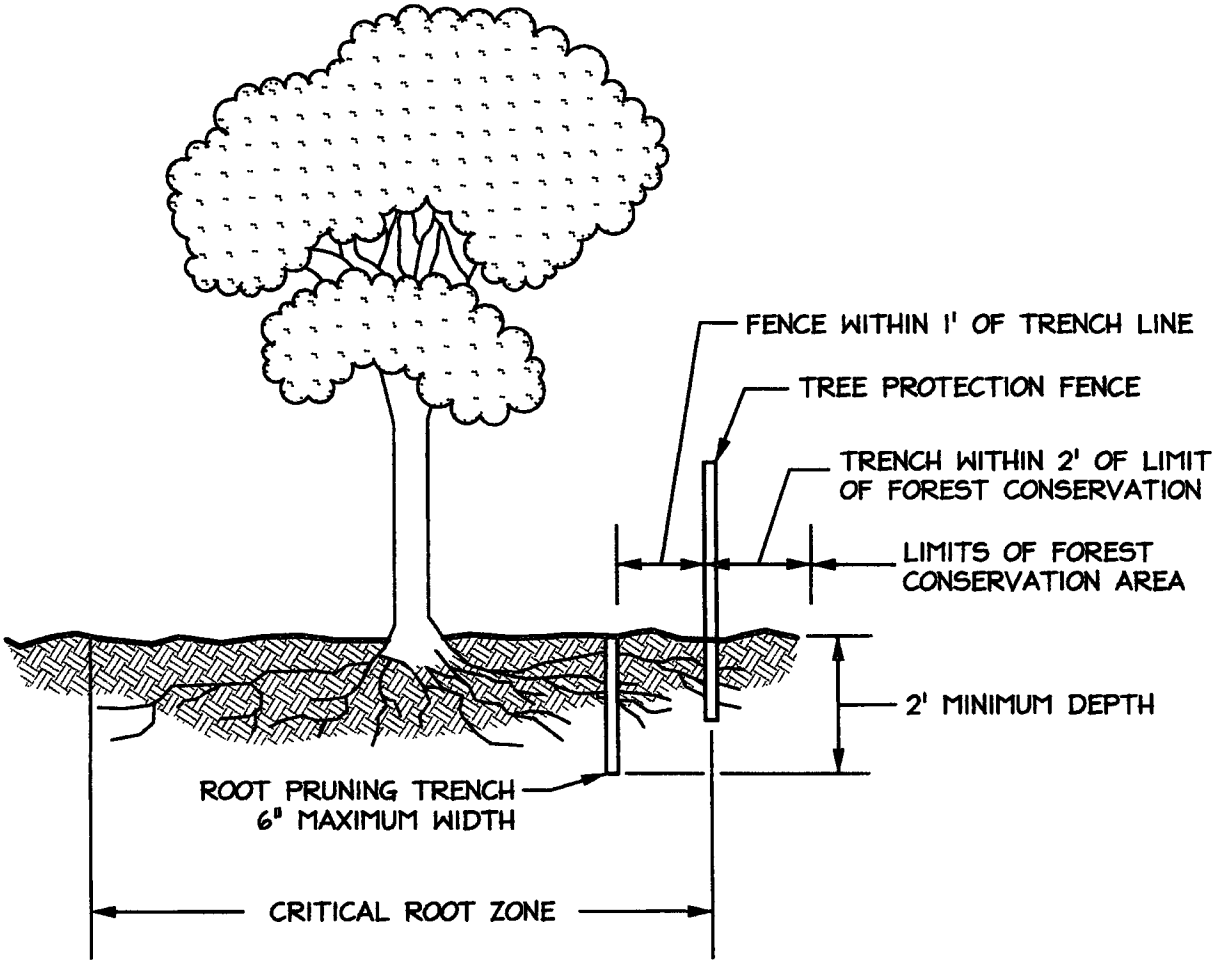
4 SIGNS SHALL BE A MINIMUM OF 10" X 12"



TRENCHLESS SUPER SILT FENCE

N.T.S

DETAIL – ROOT PRUNING



NOTES:

1. Retention Areas to be established as part of the forest conservation plan review process.
2. Boundaries of Retention Areas to be staked, flagged and/or fenced prior to trenching.
3 Exact location of trench should be identified
4 Trench should be immediately backfilled with soil removed or organic soil
5 Roots should be cleanly cut using vibratory knife or other acceptable equipment

Source Adapted from Steve Clark & Associates/ACRT, Inc and Forest Conservation Manual, 1991

NO SCALE