

BONIFANT TREE SERVICE, INC.

16800 OAK HILL ROAD
SILVER SPRING, MARYLAND 20905
(301) 942-7890 • (202) 862-7890
FAX (301) 476-9498

March, 19, 2015

Mr. Richard deStwolinski
Executive Director, Facilities Management Office
Archdiocese of Washington, Vatican Embassy
3339 Massachusetts Ave. NW
Washington DC 20008

Dear Mr. deStwolinski:

I have reviewed the site plans and visited the property located at 3339 Massachusetts Avenue, NW, Washington, DC 20008 for the purpose of providing a tree protection plan, prior to the new fence installation. After doing so, my recommendations are as follows:

- The new fence should be installed close to inside edge of sidewalk to minimize the impact on the trees.
- The placement of the new fence should be adjusted as needed to avoid removing trees or excessive pruning of lower branches of trees.
- Recommend using a Bobcat with tracks to minimize soil compaction that will happen while the Bobcat moves through the property to drill the 12" wide holes for the fence posts
- No equipment should be driven (with the exception of the Bobcat), parked, or stored within the canopy of the trees while the fence post holes are being drilled.
- The trenches to install electric power to the gates should be adjusted around the trees to minimize root damage to the trees.

I would be very happy to discuss the plan further if you have any questions.

Sincerely,



Jon S. Cholwek
ISA Certified Arborist MA-4310A
MD Tree Expert License #1102

BOARD OF ZONING ADJUSTMENT
District of Columbia

CASE NO. 19013

EXHIBIT NO. 12

Board of Zoning Adjustment
District of Columbia
CASE NO.19013
EXHIBIT NO.12

1. NO TITLE REPORT HAS BEEN FURNISHED.
2. BOUNDARY INFORMATION IS BASED ON AN ACTUAL FIELD RUN SURVEY PREPARED BY THIS FIRM.

FROM THE D.C. SURVEYOR'S OFFICE FROM RECORDED PLATS
THE VERTICAL DATUM HAS BEEN TAKEN FROM USGS MAPS.

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TREE PROTECTION FENCE (APPROX. LOCATION)

APPROXIMATE EXTENT OF ASPHALT PAVEMENT REMOVAL AND REPLACEMENT

REMOVE CURB AND ASPHALT AND—
REGRADE SO GATES MAY OPEN LEV
REPAVE AND REPLACE CURB
DO NOT DISTURB CONCRETE APRON

1. THE NEW ROOT FENCE SHOULD BE INSTALLED CLOSE TO THE INSIDE EDGE OF THE SIDEWALK TO MINIMIZE THE IMPACT ON THE TREES.
2. USE SMALL DIVERSION EQUIPMENT (E.G. BORCAT) WITH TRACTORS TO MINIMIZE SOIL COMPACTION. NO EQUIPMENT SHALL BE DRIVEN, PARKED OR STORED WITHIN THE CANOPIES OF THE TREES.
3. THE PLACEMENT OF THE NEW FENCE SHOULD BE ADJUSTED AS NEEDED TO AVOID REMOVING TREES OR EXCESSIVE PRUNING OF LOWER BRANCHES OF TREES.
4. THE ROOT FENCE SHALL BE BUILT AROUND THE LARGE LINDEN TREE AT THE CORNER OF MASS. AVE. AND 34TH STREET WITH A 4" MINIMUM SPACING OF 1" FROM THE TREE. TRANSMITTED SHEET PILE DRIVING SHALL BE USED TO INSTALL THE FENCE.
5. THE USE OF VIBRATORY HAMMERS SHALL BE AVOIDED. SHEET PILE SHALL BE PRUNED BACK BY A PROFESSIONAL TREE PRUNER TO CLEAR THE AREA FOR THE NEW FENCE.
6. AN ARBORIST SHALL BE ON SITE DURING THE FENCE LAYOUT TO MINIMIZE THE IMPACT OF THE TREES.

CONTRACTOR TO LOCATE FENCE—
AND FENCE POSTS SO AS NOT
TO DISTURB THE TRUNK OF THE
TREE AND TO HAVE THE LEAST
IMPACT TO THE ROOT SYSTEM

FOR LOCATION OF UTILITIES CALL 1-800-257-7777
OR LOG ON TO [HTTP://WWW.MISSUTILITY.NET/ATCS/](http://WWW.MISSUTILITY.NET/ATCS/)
48 HOURS IN ADVANCE OF ANY
WORK IN THIS VICINITY

GRAPHIC SCALE



VICINITY MAP

CIVIL ENGINEER

CMS.....
CMS ASSOCIATES L

925 Ellis Lane
Billicott City, Maryland 21043
Tel. (410) 988-2436
Contact: Geoffrey L. Cinlera, PE
www.cms-engineering.net

**VATICAN EMBASSY
TREE PROTECTION PLAN**

SQUARE 2122
LOTS 6, 16, 17, 20, 21, 28 AND 804

WASHINGTON, DISTRICT OF COLUMBIA

1200 1"=20'
 DATE 3/27/91
 1 OF 1
 13-000

DETAIL - ROOT PRUNING

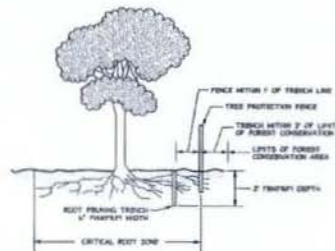
FORCE ACTION 1 OF TRIMMING LINE
 TREE PROTECTION FENCE
 TRIMMING ACTION 2 OF 1/2 OF FOREST CONSERVATION AREA
 LISTS OF FOREST CONSERVATION AREA
 2 TRIMMING DEPTH
 ROOT PRUNING TRIMMING 1/2 FOREST WIDTH
 CRITICAL ROOT ZONE

NOTES:

1. Retention Areas to be established on part of the forest conservation plan review process.
2. Boundaries of Retention Areas to be marked, marked within forest prior to trimming.
3. Exact location of branch evenly be identified.
4. Trunks should be immediately identified with soil removed or agents soil.
5. Roads should be clearly not using vibratory tools or other acceptable equipment.

Source: Adapted from: Forest (1975) & Henderson (1975), p. 10
 2nd Forest Conservation Plan, 1980

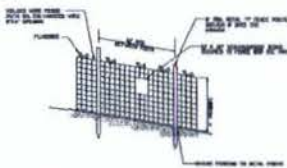
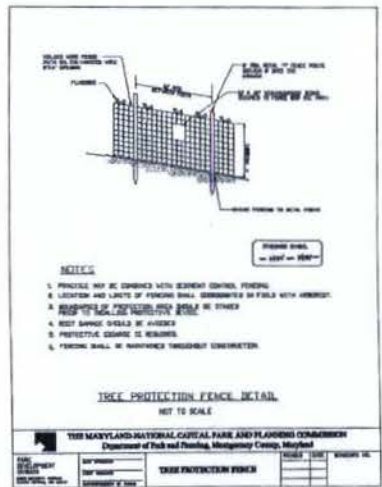
NO SCALE



- Retention Areas to be established as part of the forest conservation plan review process.
- Boundaries of Retention Areas to be staked, flagged and/or fenced prior to logging.
- Exact location of trench should be identified.
- Trench should be immediately backfilled with soil removed or organic soil.
- Risks should be clearly not using ordinary tools or other acceptable equipment.

Source: Adapted from Stone 1998, p. 444 (reprinted with permission).

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DISCUSSION

- [illegible]

TREE PROTECTION FENCE DETAIL

NOT TO SCALE

THE MARYLAND NATIONAL CAPITAL PARK AND PLANNING COMMISSION
Department of Park and Planning, Montgomery County, Maryland

Department of Park and Planning, Montgomery County, Maryland

FBI DEPARTMENT OF JUSTICE DIVISION OF INVESTIGATION WASHINGTON, D.C. 20535	NAME _____ ADDRESS _____ CITY _____ STATE _____ ZIP _____	YOUR PROTECTION FUND	NAME _____ ADDRESS _____ CITY _____ STATE _____ ZIP _____	NAME _____ ADDRESS _____ CITY _____ STATE _____ ZIP _____
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CIVIL ENGINEER

Category

STAT

MS ASSOCIATES LLC

925 Ellis Lane
Baltimore City, Maryland 21043

Tel. (410) 988-2436

contact: Geoffrey L. Cinierra, PhD
www.cmi-engineering.net

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TREE PROTECTION PLAN**

SQUARE 2122
LOTS 6, 16, 17, 20, 21, 28 AND 804

WASHINGTON DISTRICT OF COLUMBIA

100%

2.04 / AS NOTED

2/27/15

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