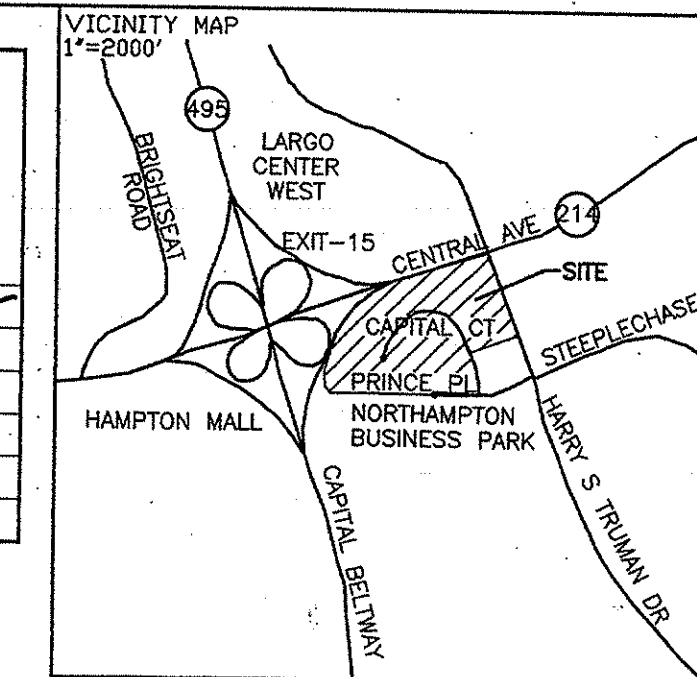




M-NCPPC
Prince George's County Planning Department
Environmental Planning Section
APPROVAL
TREE CONSERVATION PLAN
TCP-159-1-04
Approved by: *[Signature]* Date: 8/10/05

| | |
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| 01 | |
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M-NCPPC APPROVALS

PROJECT NAME: Metropolitan Baptist Church
PROJECT NUMBER: DSP-04046

For Conditions of Approval see Site Plan Cover Sheet or Approval Sheet
Revisions Listed Below Apply to This Sheet

| Approval or Revision # | Approval Date | Reviewer's Initials | Certification Date |
|------------------------|---------------|---------------------|--------------------|
| 59-05 | 5.1 | 8-10-05 | |
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ARCHITECT
DEVROUX & PURNELL
717 D STREET, NW
WASHINGTON, DC 20004

CIVIL ENGINEER
DELEN HAMPTON & ASSOCIATES
8403 SOLESMITH ROAD SUITE 600
SILVER SPRING, MD 20910

LANDSCAPE ARCHITECT
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WASHINGTON, DC 20036

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MEP ENGINEER
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1400 OLD MILL ROAD SUITE 01
UPPER MARLBOROUGH, MARYLAND

GEOTECHNICAL
THOMAS L. BROWN & ASSOCIATES
1010 NASSAUCHURCH AVE. N.W.
WASHINGTON, DC 20001

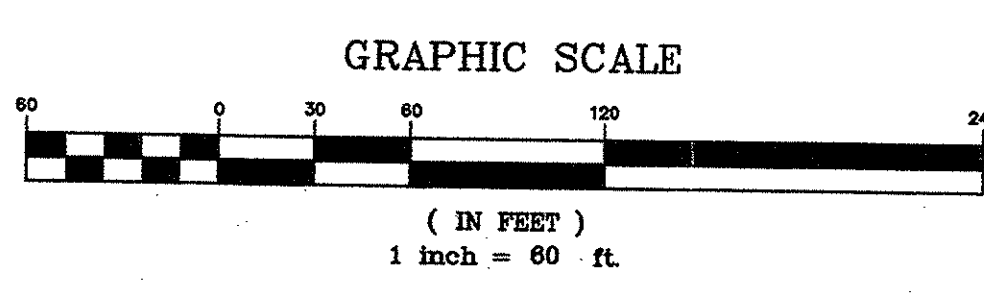
- REVISIONS:
- 3/28/05 PER MNCPPC STAFF REPORT COMMENTS DATED 2/9/05.
 - 5/20/05 PER MNCPPC STAFF REPORT COMMENTS DATED 2/9/05, & ARBORIST REPORT DATED 5/01/05.
 - 7/04/05 PER MNCPPC COMMENTS DATED 6/23/05.

LEGEND

- #1 SIGNIFICANT TREE
- #1 SPECIMEN TREE W/ CRZ
- SIGNIFICANT & SPECIMEN TREE TO BE SAVED WITH ROOT AERIATION UNDER IMPERVIOUS SURFACES
- BORE AND JACK UNDERGROUND UTILITIES WITHIN THE CRZ OF SIGNIFICANT TREES
- #4 SIGNIFICANT/SPECIMEN TREE TO BE REMOVED
- LIMITS OF DISTURBANCE
- STREAM (WATERS OF U.S. AS APPROVED BY USACE)
- WETLAND (AS APPROVED BY USACE)
- TREE PROTECTION FENCE W/ SIGNAGE
- COMBINED TREE PROTECT/ROOT PRUNE TRENCH W/SIGNAGE
- PERMANENT 2 BOARD SPLIT RAIL FENCE W/SIGNAGE 50 O.C.
- WOODLAND PRESERVATION AREA
- REFORESTATION AREA
- FOREST CLEAR AREA (ACTUAL)
- EXISTING FOREST BOUNDARY
- EXISTING CONTOUR
- PROPERTY LINE
- 100 YEAR FLOODPLAIN
- PATUXENT RIVER PRIMARY MANAGEMENT AREA (PMA)

CERTIFICATION OF QUALIFIED PROFESSIONAL APPROVED PLAN

I HEREBY CERTIFY THAT THE PLAN SHOWN HEREON HAS BEEN PREPARED IN ACCORDANCE WITH MARYLAND STATE AND PRINCE GEORGE'S COUNTY FOREST CONSERVATION LAWS, AND M-NCPPC GUIDELINES.



DATE: 8/10/05
MICHAEL A. NORTON
MDNR / COMAR 08.10.06.01
QUALIFIED PROFESSIONAL

DHA JOB #1619



ISSUE DATE . . .

ISSUE DATE . . .

ISSUE DATE . . .

ISSUE DATE . . .

NOTES

DATE . . . 08/23/04

SCALE . . . AS SHOWN

DRAWN . . . J. DAYS

CHECKED . . . S. WEI

JOB NO. . . 00107-MD

LOTS 1-15/BLOCK B
CAPITAL COURT
LARGO, MD

DRAWING TITLE
TREE CONSERVATION PLAN II

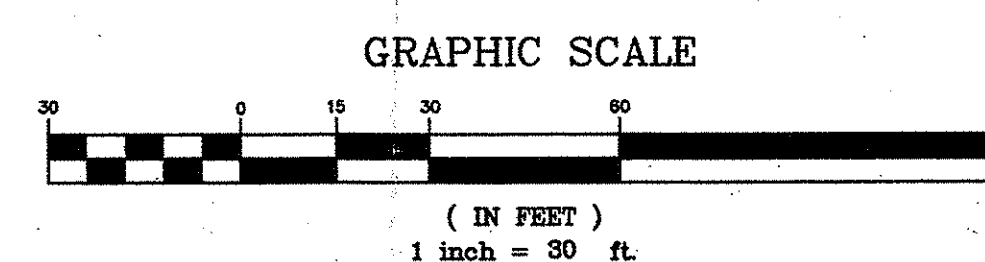
SHEET NO. 1 OF 7

DSP-04046
TCP-1

MATCHLINE SEE SHEET 2



MATCHLINE SEE SHEET 5



CERTIFICATION OF QUALIFIED PROFESSIONAL

I HEREBY CERTIFY THAT THE PLAN SHOWN HEREON HAS BEEN PREPARED IN ACCORDANCE WITH MARYLAND STATE AND PRINCE GEORGE'S COUNTY FOREST CONSERVATION LAWS, AND M-NCPPC GUIDELINES.

DATE 8/10/05

MICHAEL A. RORTON
MDNR / COMAR 08.19.06.01
QUALIFIED PROFESSIONAL

LEGEND

- SIGNIFICANT TREE
- SPECIMEN TREE W/ CRZ
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- BORE AND JACK UNDERGROUND UTILITIES WITHIN THE CRZ OF SIGNIFICANT TREES
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|---|---------|
| M-NCPPC Prince George's County Planning Department Environmental Planning Section | |
| APPROVAL TREE CONSERVATION PLAN TCPH / 159 / 04 | |
| Approved by | Date |
| K. Finch | 8/10/05 |
| 01 | |
| 02 | |
| 03 | |
| 04 | |
| 05 | |

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|--|---------------|---------------------|--------------------|
| M-NCPPC APPROVALS | | | |
| PROJECT NAME: Metropolitan Baptist Church | | | |
| PROJECT NUMBER: DSP-04046 | | | |
| For Conditions of Approval see Site Plan Cover Sheet or Approval Sheet Revisions Listed Below Apply to This Sheet | | | |
| Approval or Revision # | Approval Date | Reviewer's Initials | Certification Date |
| 1 | 8-9-05 | S.L. | 8-10-05 |
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DHA JOB #1619

ARCHITECT
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CIVIL ENGINEER
BILLY HARRISON & ASSOCIATES
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GEOTECHNICAL
THOMAS L. BROWN & ASSOCIATES
1010 MASSACHUSETTS AVE. N.W.
WASHINGTON, DC 20001

REVISIONS:
1. 3/28/05 PER MNCPPC STAFF REPORT COMMENTS DATED 2/9/05.
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3. 7/04/05 PER MNCPPC COMMENTS DATED 6/23/05.

METROPOLITAN BAPTIST CHURCH

ISSUE DATE
ISSUE DATE
ISSUE DATE
ISSUE DATE

NOTES

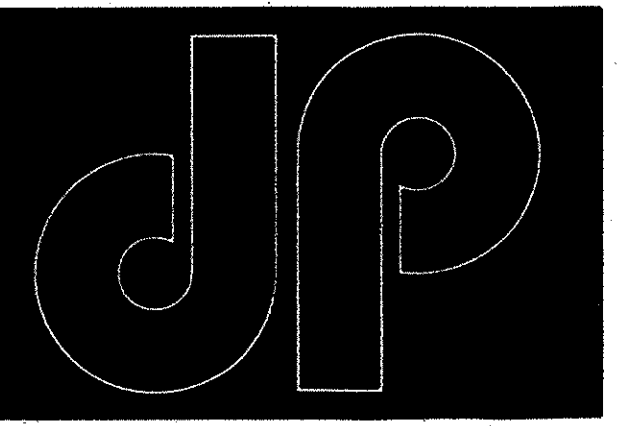
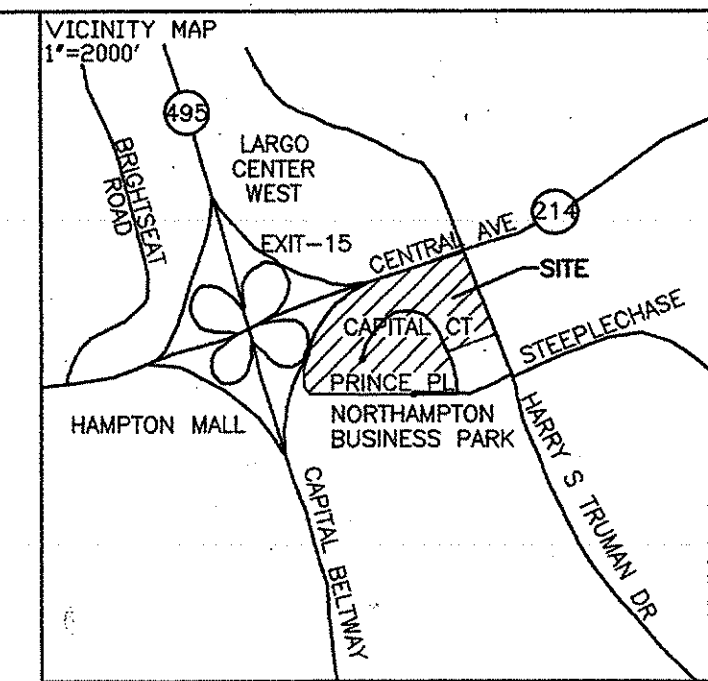
DATE 08/23/04
SCALE AS SHOWN
DRAWN J. DAYS
CHECKED B. WEI
JOB NO. 00107-MC

**LOTS 1-15/BLOCK B
CAPITAL COURT
LARGO, MD**

DRAWING TITLE
TREE CONSERVATION PLAN II

SHEET NO. 3 OF 7
**DSP-04046
TCP-3**

MATCHLINE SEE SHEET 2



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WASHINGTON, DC 20004

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SILVER SPRING, MD 20910

LANDSCAPE ARCHITECT
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1350 CONNECTICUT AVENUE, NW
WASHINGTON, DC 20036

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TADJER COHEN ENGINEERS
1109 SPRING ST. 5TH FLOOR
SILVER SPRING, MD 20910

MEP ENGINEER
BANSAL & ASSOCIATES
50 SOUTH PICKET ST.
ALEXANDRIA, VA 22304

FIRE PROTECTION
STEHLE ENGINEERING CORPORATION
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UPPER MARLBOROUGH, MARYLAND

GEOTECHNICAL
THOMAS L. BROWN & ASSOCIATES
1010 MASSACHUSETTS AVE. N.W.
WASHINGTON, DC 20001

LEGEND

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- W WETLAND (AS APPROVED BY USACE)
- T-T-T-T-T TREE PROTECTION FENCE W/ SIGNAGE
- TP/TP/TP/TP/TP COMBINED TREE PROTECT/ROOT PRUNE TRENCH W/ SIGNAGE
- P P P P P PERMANENT 2 BOARD SPLIT RAIL FENCE W/ SIGNAGE 50 O.C.
- WOODLAND PRESERVATION AREA
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- 100 YEAR FLOODPLAIN
- PATUXENT RIVER PRIMARY MANAGEMENT AREA (PMA)

MATCHLINE SEE SHEET 5

EX. SWM POND

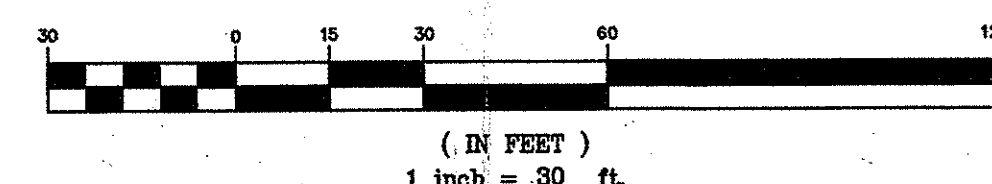
RISER
STRUCTURE

HEADWALL
W/ RIPRAP

DMH-NOT
FOUND IN
FIELD

RAVEL/DIRT ROAD

GRAPHIC SCALE



CERTIFICATION OF QUALIFIED PROFESSIONAL

I HEREBY CERTIFY THAT THE PLAN SHOWN HEREON HAS BEEN PREPARED IN ACCORDANCE WITH MARYLAND STATE AND PRINCE GEORGE'S COUNTY FOREST CONSERVATION LAWS, AND M-NCPPC GUIDELINES.

DATE

MICHAEL A. KORTON
MDNR / CORP. 08.19.06.01
QUALIFIED PROFESSIONAL

| | | | |
|--|--|--|--|
| M-NCPPC Prince George's County Planning Department Environmental Planning Section APPROVAL TREE CONSERVATION PLAN TCP# 1159104 Approved by <i>[Signature]</i> Date 8/10/05 | | | |
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| M-NCPPC APPROVALS | | | |
|--|---------------|---------------------|--------------------|
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| PROJECT NUMBER: DSP-04046 | | | |
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| | 5-9-05 | S.L. | 8-10-05 |
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DHA JOB #1619

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| DATE | 08/23/04 |
| SCALE | AS SHOWN |
| DRAWN | J. DAYS |
| CHECKED | S. WEI |
| JOB NO. | 00107-MC |

**LOTS 1-15/BLOCK B
CAPITAL COURT
LARGO, MD**

DRAWING TITLE **APPROVED
TREE PLAN
CONSERVATION
PLAN II**

SHEET NO. **4 OF 7**

**DSP-04046
TCP-4**

Removal of Hazardous Trees or Hazardous Limbs by Developers or Builders

The developer and/or builder is responsible for the complete preservation of all forested areas shown on the approved plan to remain undisturbed. Only trees or parts thereof designated by the Department of Environmental Resources as dead, dying, or hazardous may be removed.

1. A tree is considered hazardous if a condition is present which leads a Licensed Arborist or a Licensed Tree Expert to believe that the tree or a portion of the tree has a potential to fall and strike a structure, parking area, or other high use area and result in personal injury or property damage.
2. If a hazardous condition may be alleviated by corrective pruning, the Licensed Arborist or a Licensed Tree Expert may proceed without further authorization. The pruning must be done in accordance with the latest edition of the ANSI A-300 Pruning Standards ("Tree, Shrub, and Other Woody Plant Maintenance - Standard Practices").
3. Corrective measures requiring the removal of the hazardous tree or portions thereof shall require authorization by the building or grading inspector if there is a valid grading or building permit for the subject lots or parcels in which the trees are located. Only after approval of the appropriate inspector may the tree be cut by chainsaw to near the existing ground level. The stump may not be removed or covered with soil, mulch or other materials that would inhibit sprouting.
4. Debris from the tree removal or pruning that occurs within 35 feet of the woodland edge may be removed and properly disposed of by recycling, chipping or other acceptable methods. All debris that is more than 35 feet from the woodland edge shall be cut up to allow contact with the ground, thus encouraging decomposition. The smaller materials shall be placed into trash piles that will serve as wildlife habitat.

Removal of Hazardous Trees, Hazardous Limbs, Noxious Plants, Invasive Plants or Non-Native Plants in Woodland Conservation Areas Owned by Individual Homeowners

1. If the developer or builder no longer has an interest in the property the home owner shall obtain a written statement from the Licensed Arborist or Licensed Tree Expert identifying the hazardous condition and the proposed corrective measures prior to having the work conducted. The tree may then be removed by the arborist or tree expert. The stump shall be cut as close to the ground as possible and left in place. The removal or grinding of the stumps in the woodland conservation area is not permitted.
2. The removal of noxious, invasive, and non-native plant species from the woodland conservation areas may be done with the use of hand-held equipment only such as pruners or a chain saw. These plants may be cut near the ground and the material less than two inches diameter may be removed from the area and disposed of appropriately. All material from these noxious, invasive, and non-native plants greater than two (2) inches diameter shall be cut to allow contact with the ground, thus encouraging decomposition.
3. The use of broadcast spraying of herbicides is not permitted. However, the use of herbicides to discourage re-growing of invasive, noxious, or non-native plants is permitted if done as an application of the chemical directly to the cut stump immediately following cutting of plant tops. The use of any herbicide shall be done in accordance with the label instructions.

Note: The use of chainsaws is extremely dangerous and should not be conducted with poorly maintained equipment, without safety equipment, or by individuals not trained in the use of this equipment for the pruning and/or cutting of trees.

Protection of Reforestation and Afforestation Areas by Developers or Builders

1. Reforestation and afforestation areas shall be planted prior to the occupancy of the nearest building or residence. If planting cannot occur due to planting conditions, the developer or property owner shall install the fencing and signage in accordance with the approved Type II Tree Conservation Plan. Planting shall then be accomplished during the next planting season. If planting is delayed beyond the terms of the property title, to the homeowner, the developer shall obtain a signed statement from the purchaser indicating that they understand that the reforestation area is located on their property and that reforestation will occur during the next planting season. A copy of that document shall be presented to the Grading Inspector and the Environmental Planning Section.
2. Reforestation areas shall not be moved, however, the management of competing vegetation around individual trees is acceptable.

Protection of Reforestation and Afforestation Areas by Individual Homeowners

1. Reforestation fencing and signage shall remain in place in accordance with the approved Type II Tree Conservation Plan or until the trees have grown sufficiently to have crown closure.
2. Reforestation areas shall not be moved, however, the management of competing vegetation around individual trees is acceptable.

Woodland Areas NOT Counted as Part of the Woodland Conservation Requirements

1. A revised Tree Conservation Plan is required prior to clearing any woodland area which is not specifically identified to be cleared on the most recently approved Type II Tree Conservation (TCP) on file in the office of the M-NCPPC Environmental Planning Section located on the 4th floor of the County Administration Building at 14741 Governor Oden Bowie Drive, Upper Marlboro, Maryland 20772, phone 301-952-3650. Additional mitigation will be required for the clearing of all woodlands beyond that reflected on the approved plans. Although clearing may be allowed, it may be subject to additional replacement requirements, mitigation, and fees which must be reflected on TCP revisions approved by the M-NCPPC Environmental Planning Section.
2. Homeowners or property owners may remove trees less than two (2) inches diameter, shrubs, and vines in woodland areas which are saved but not part of the Woodland Conservation requirements after all permits have been released for the subject property. This area may not be tilled or have other ground disturbances which would result in damage to the tree roots. Raking the leaves and over-seeding with native grasses, native flowers or native ground covers is acceptable. Seeding with invasive grasses including any variety of Kentucky 31 fescue is not acceptable.

Required Type II Tree Conservation Plan Notes

1. Cutting or clearing of woodland not in conformance with this plan or without the expressed written consent of the Planning Director or designee shall be subject to a \$1.50 per square foot mitigation fee.
2. The Department of Environmental Resources (DER) shall be contacted prior to the start of any work on the site to address implementation of woodland conservation measures shown on this plan.
3. Property owners shall be notified by the Developer or Contractor of any Woodland Conservation Areas (Tree Save Areas, Reforestation Areas, Afforestation Areas, or Selective Clearing Areas) located on their lot or parcel of land and the associated fines for unauthorized disturbances to these areas. Upon the sale of the property the owner/developer or owners representative shall notify the purchaser of the property of any Woodland Conservation Areas.
4. All appropriate bonds shall be posted with the Building Official prior to the issuance of any permits. These bonds will be retained as surety by the Building Official until all required activities have been satisfied.
5. All required off-site mitigation shall be identified on an approved TCP/II for the off-site location and shall be recorded as an off-site easement in the land records of Prince George's County prior to issuance of any permits for the subject property.
6. The location of all Tree Protective Devices (TPDs) shown on this Plan shall be flagged or staked in the field prior to the pre-construction meeting with the Sediment and Erosion Control Inspector from DER. Upon approval of the flagged or staked TPD locations by the Inspector, installation of the TPDs may begin. TPD installation shall be completed prior to installation of Initial Sediment Controls. No cutting or clearing of trees may begin before final approval of TPD installation.
7. Woodland Conservation - Tree Save Areas and/or Reforestation Areas shall be posted as shown at the same time as Tree Protective Device installation and/or start of reforestation activities. These signs shall remain in place.
8. All tree planting for woodland replacement, reforestation or afforestation will be completed prior to Use and Occupancy Permit. Failure to establish the woodland replacement, reforestation or afforestation within the prescribed time frame will result in the forfeiture of the Reforestation Bond and/or a violation of this Plan including the associated \$1.50 per square foot penalty unless a written extension is approved by the DER Inspector.
9. Results of survival checks for all tree plantings shall be reported to the DER Inspector for the site and M-NCPPC Environmental Planning Section.

REFORESTATION PLANT SCHEDULE & SEEDLING EQUIVALENTS

| QUANTITIES AREA A | BOTANICAL NAME | COMMON NAME | SIZE | UNIT/ROOT | SPACING | FORM | SEEDLING EQUIVALENTS (624 REQ) |
|----------------------|-------------------------|--|---------|-----------|-------------------------|-------|--------------------------------------|
| 18 | ACER RUBRUM | RED MAPLE | 2" CAL. | B&B | RANDOMLY 13.20' O.C. | TREE | 72 |
| 17 | CELTIS OCCIDENTALIS | HACKBERRY | 2" CAL. | B&B | RANDOMLY 13.20' O.C. | TREE | 68 |
| 17 | FAGUS GRANDIFOLIA | AMERICAN BEECH | 2" CAL. | B&B | RANDOMLY 13.20' O.C. | TREE | 68 |
| 18 | FRAXINUS PENNSYLVANICA | GREEN ASH | 2" CAL. | B&B | RANDOMLY 13.20' O.C. | TREE | 72 |
| 6 | ILEX GLABRA | INKBERRY | 12"-18" | CONT. | RANDOMLY 38.0' O.C. | SHRUB | |
| 6 | ILEX VERTICILLATA | WINTERBERRY | 18"-24" | CONT. | RANDOMLY 38.0' O.C. | SHRUB | |
| 17 | LIRIODENDRON TULIPIFERA | TULIP POPLAR | 2" CAL. | B&B | RANDOMLY 13.20' O.C. | TREE | 68 |
| 17 | NYSSA SYLVATICA | BLACK GUM | 2" CAL. | B&B | RANDOMLY 13.20' O.C. | TREE | 68 |
| 18 | PRUNUS SEROTINA | BLACK CHERRY | 2" CAL. | B&B | RANDOMLY 13.20' O.C. | TREE | 72 |
| 17 | QUERCUS RUBRA | RED OAK | 2" CAL. | B&B | RANDOMLY 13.20' O.C. | TREE | 68 |
| 17 | QUERCUS PHELLOS | WILLOW OAK | 2" CAL. | B&B | RANDOMLY 13.20' O.C. | TREE | 68 |
| 6 | VIBURNUM ACERIFOLIUM | MAPLE LEAF VIBURNUM | 18"-24" | CONT. | RANDOMLY 38.0' O.C. | SHRUB | |
| 24 | | SYLVIA FIELD AND FOREST MIX OR ERNST UPLAND AND MEADOW MIX OR EQUIVALENT | | | 40LBS./AC | SEED | 624* |

NOTE: A MINIMUM OF 75% SURVIVAL AFTER 2 YEARS OF GROWING SEASON IS REQUIRED FOR ALL REFORESTATION AREAS SHOWN.
* EACH 2" CAL. TREE = 4 SEEDLING EQUIVALENTS TO TOTAL THE REQUIRED 624 FOR THE 0.62 ACRE REFORESTATION AREA.

Woodland Conservation Worksheet

Zone: C-0
Gross Tract: 34.99
Floodplain: 0.06
Previously Dedicated Land: 0.00
Net Tract (NTA): 34.93

Property Description or Subdivision Name: TCPII/59/04 Metropolitan Baptist Church.
Is this one (1) single family lot? (y,n) N
Are there prior TCP approvals which include a combination of this lot and/or other lots. (y,n) N
Is this a Mitigation Bank? N
Break-even Point (preservation) = 18.69 acres
Clearing permitted w/o reforestation = 18.69 acres

Woodland Conservation Calculations:
Existing Woodland: 28.86
Woodland Conservation Threshold (NTA) = 15.00%
Smaller of a or b: 5.34
Woodland above WCT: 23.52
Woodland cleared: 15.11
Smaller of d or e: 4.88
Clearing above WCT (0.25 : 1) replacement requirement: 0.00
Reforestation Threshold (ART) = 15.00%
Off-site Mitigation being provided on this property: 0.00
Woodland Conservation Required: 9.82

Woodland Conservation Provided: (acres)
Woodland Preservation: 8.01
Afforestation / Reforestation: 0.93
Area approved for fee-in-lieu: 0.00
Credits for Off-site Mitigation: on another property: 1.28
Off-site Mitigation being provided on this property: 0.00
Total Woodland Conservation Provided: 9.92

Area of woodland not cleared: 9.85 acres
Woodland retained not part of requirements: 0.84 acres

Prepared by: [Signature] Date: 8/6/05

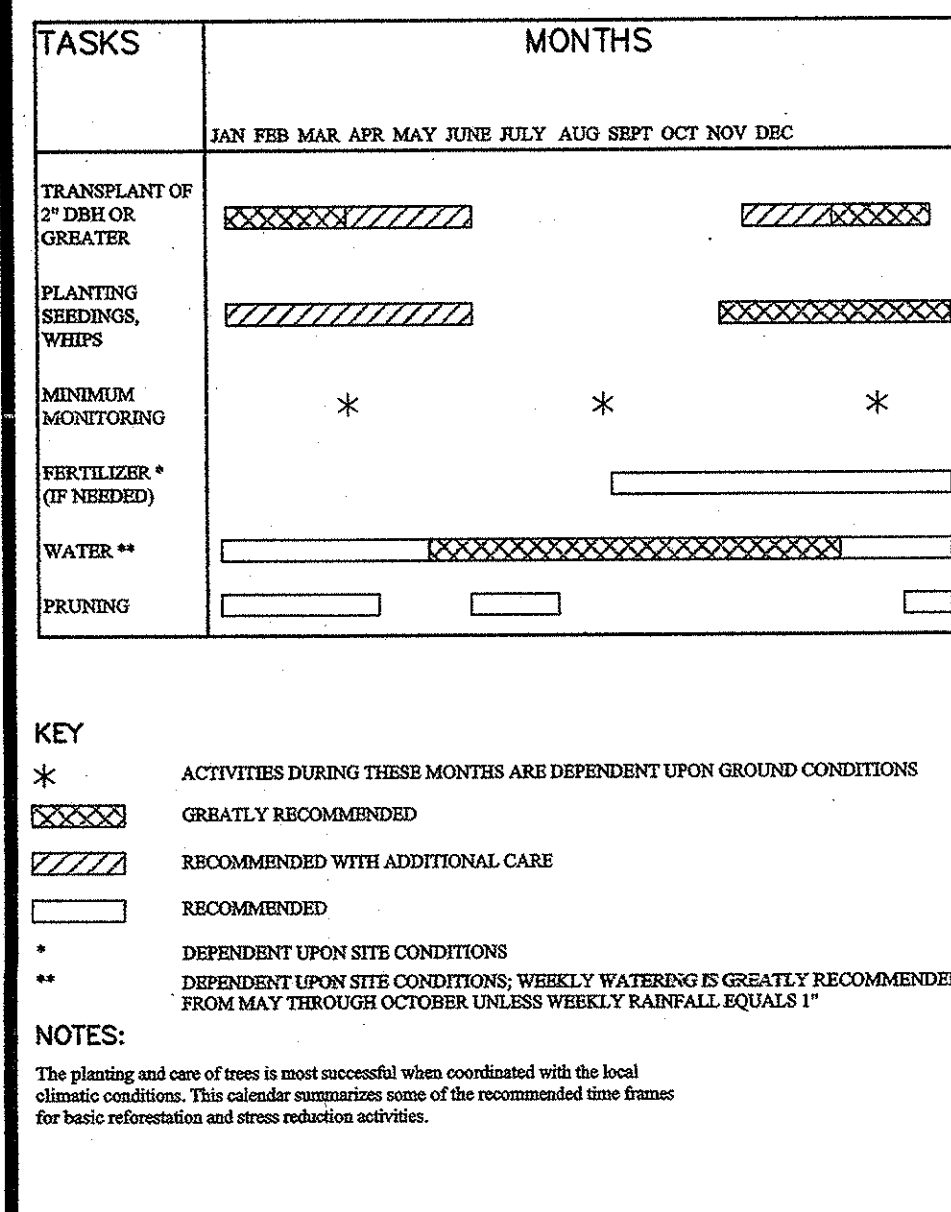
Revised 9/1/04
* THE REQUIRED OFF-SITE WOODLAND CONSERVATION MITIGATION SHALL BE PROVIDED PRIOR TO THE ISSUANCE OF GRADING PERMITS.

NOTES:

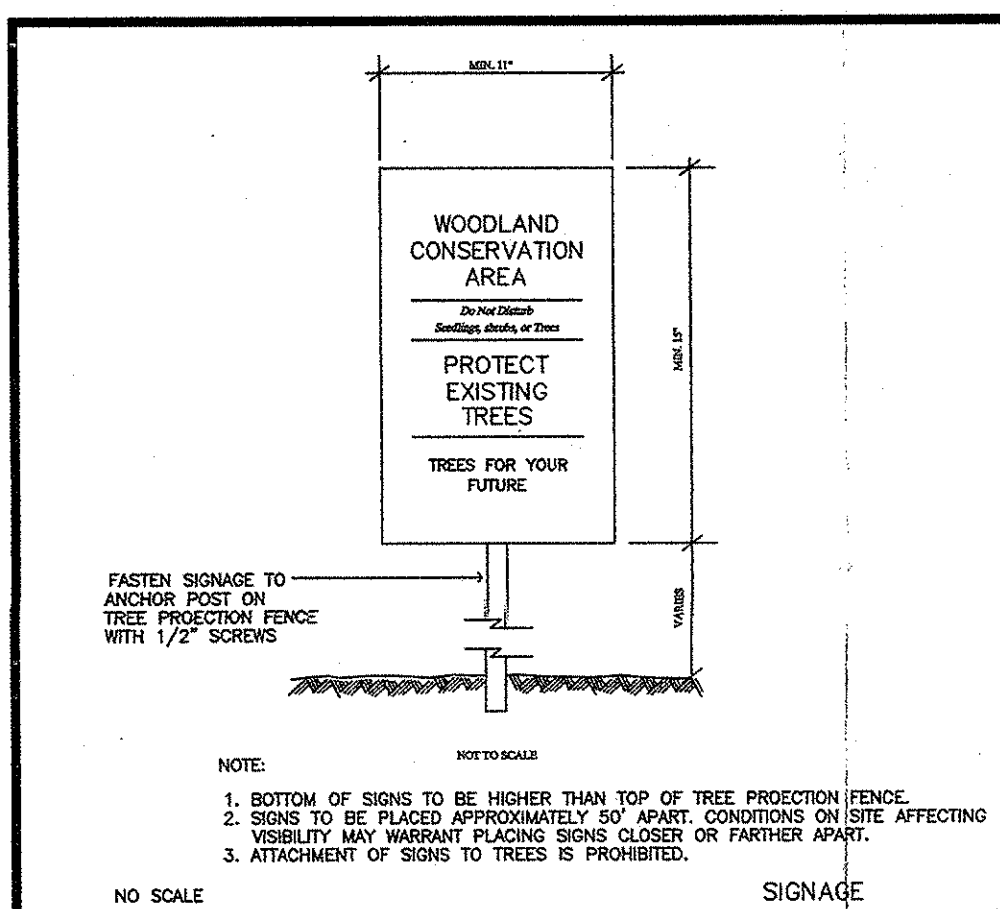
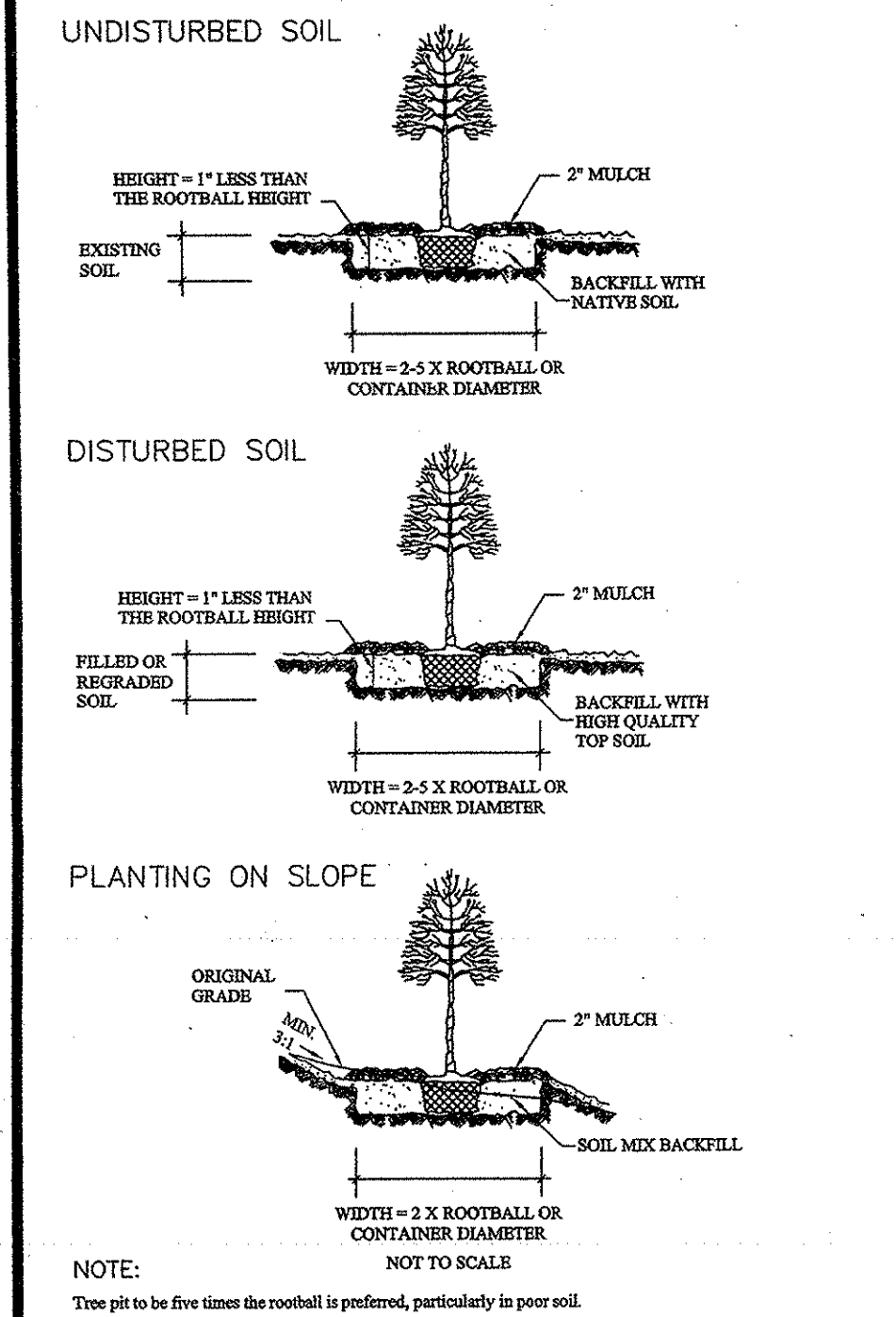
1. THERE WERE NO RARE, THREATENED OR ENDANGERED SPECIES OBSERVED ON THE SITE OR REPORTED BY THE U.S. FISH & WILDLIFE SERVICE OR MDDNR, WILDLIFE HERITAGE DIVISION.
1. THE 100'-YR FLOODPLAIN DOES ENCRONCH ON THE SITE.
1. THE 50' STREAM BUFFER FOR TRIB. TO SOUTHWEST BRANCH IS ON THE SITE.
1. A 25' WETLAND BUFFER OR 50' STREAM BUFFER IS ASSOCIATED WITH ALL DELINEATED SYSTEMS. THE ACOE AND MDE HAS AGREED WITH JURISDICTIONAL DETERMINATION AS SHOWN ON THE PLANS.

| | | |
|---------------------|-----------------------------|------------------|
| GENERAL CONDITIONS: | WATER CLASS | 1 |
| | TRIBUTARY | SOUTHWEST BRANCH |
| | WATERSHED | SOUTHWEST BRANCH |
| | FEMA FLOODPLAIN MAP PANEL # | 245208 0045 C |
| | 200 SHEET | 201NE08 |
| | TAX MAP | OV 41 |
| | ADC MAP | PAGE 19 GRID J-2 |

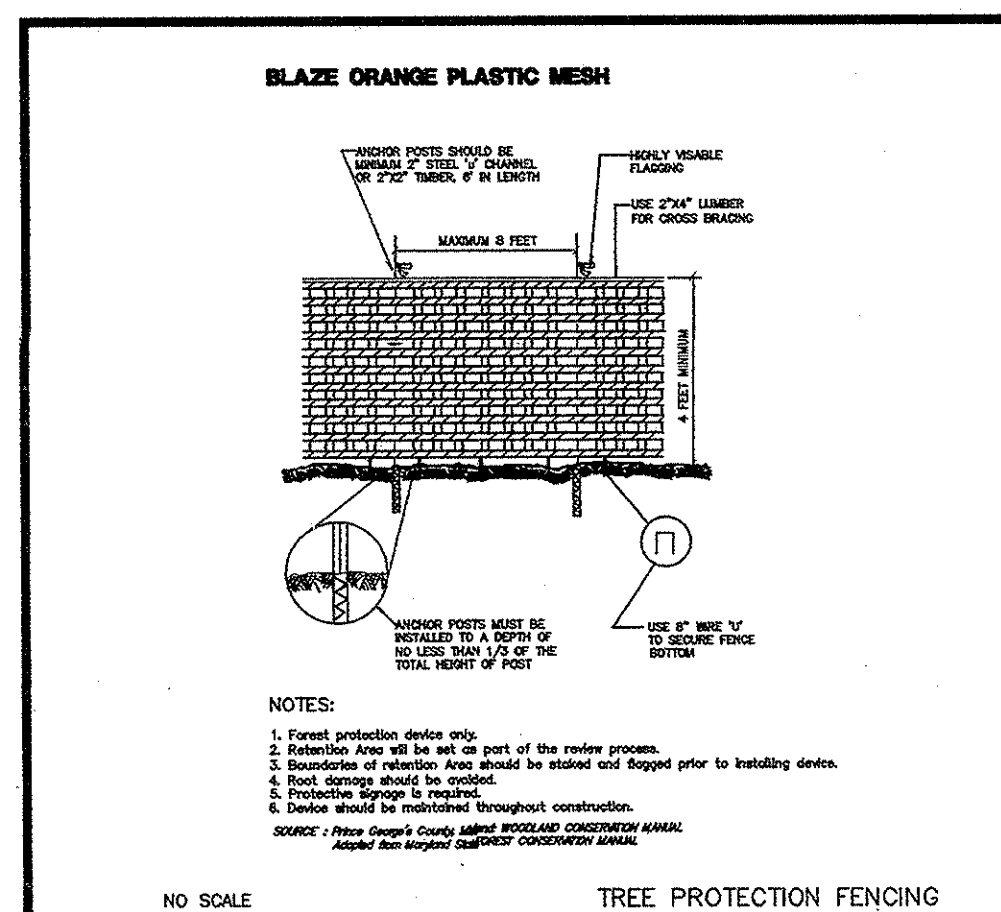
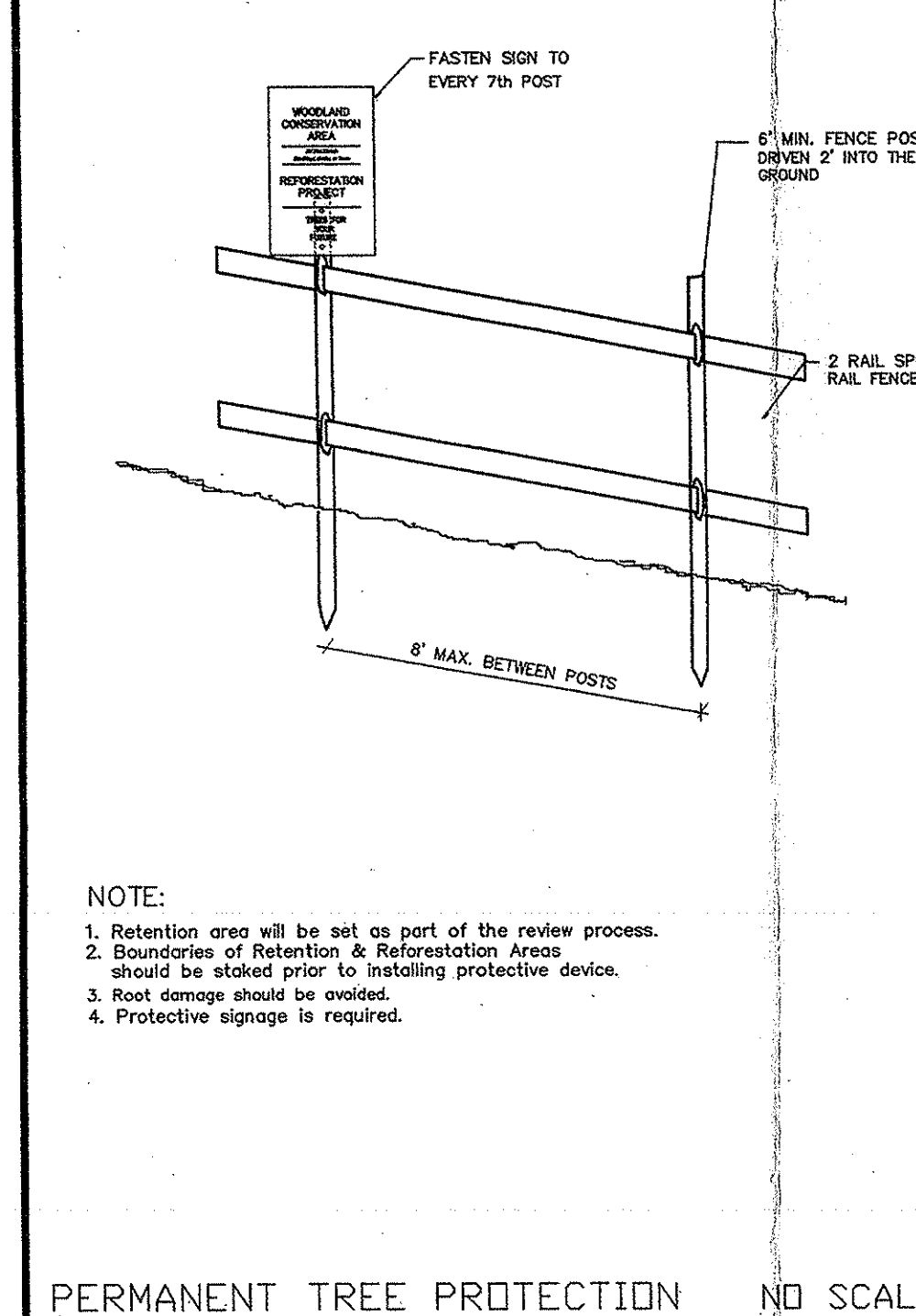
PLANTING SCHEDULE



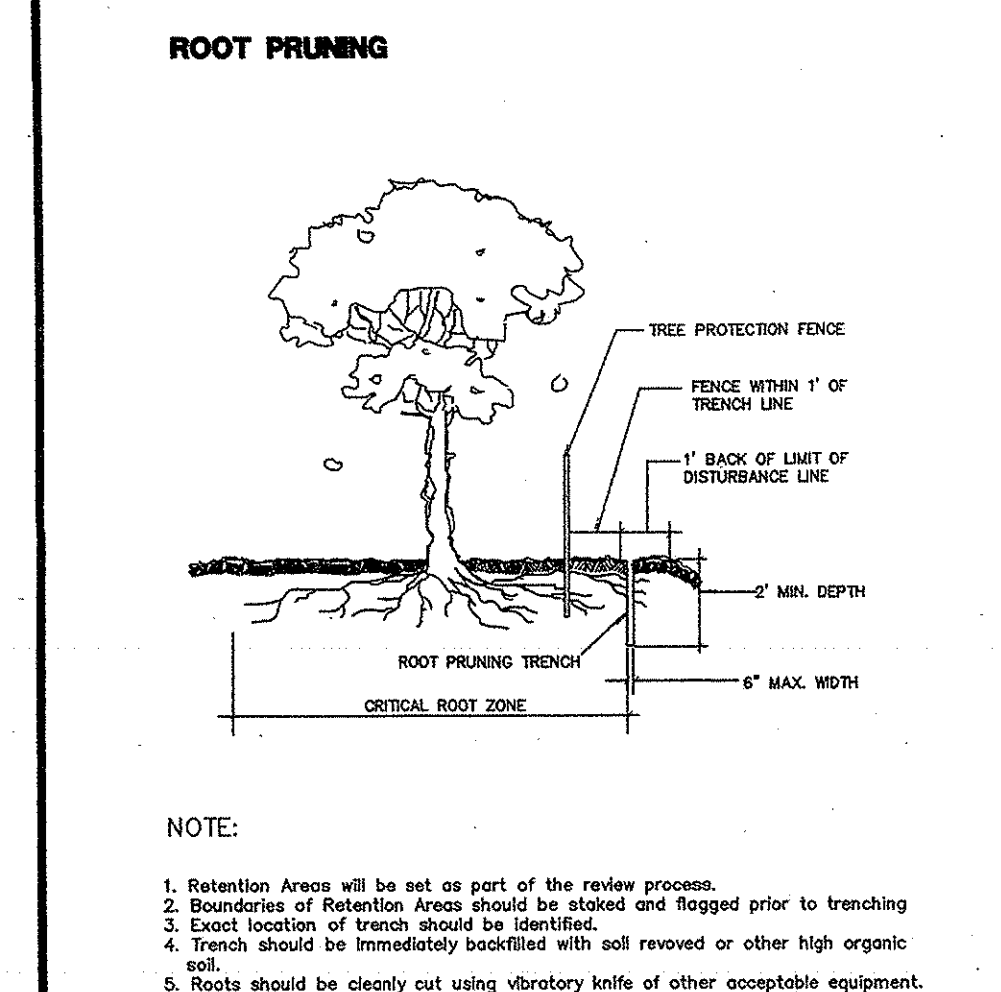
STAKED TREE SPECIFICATION



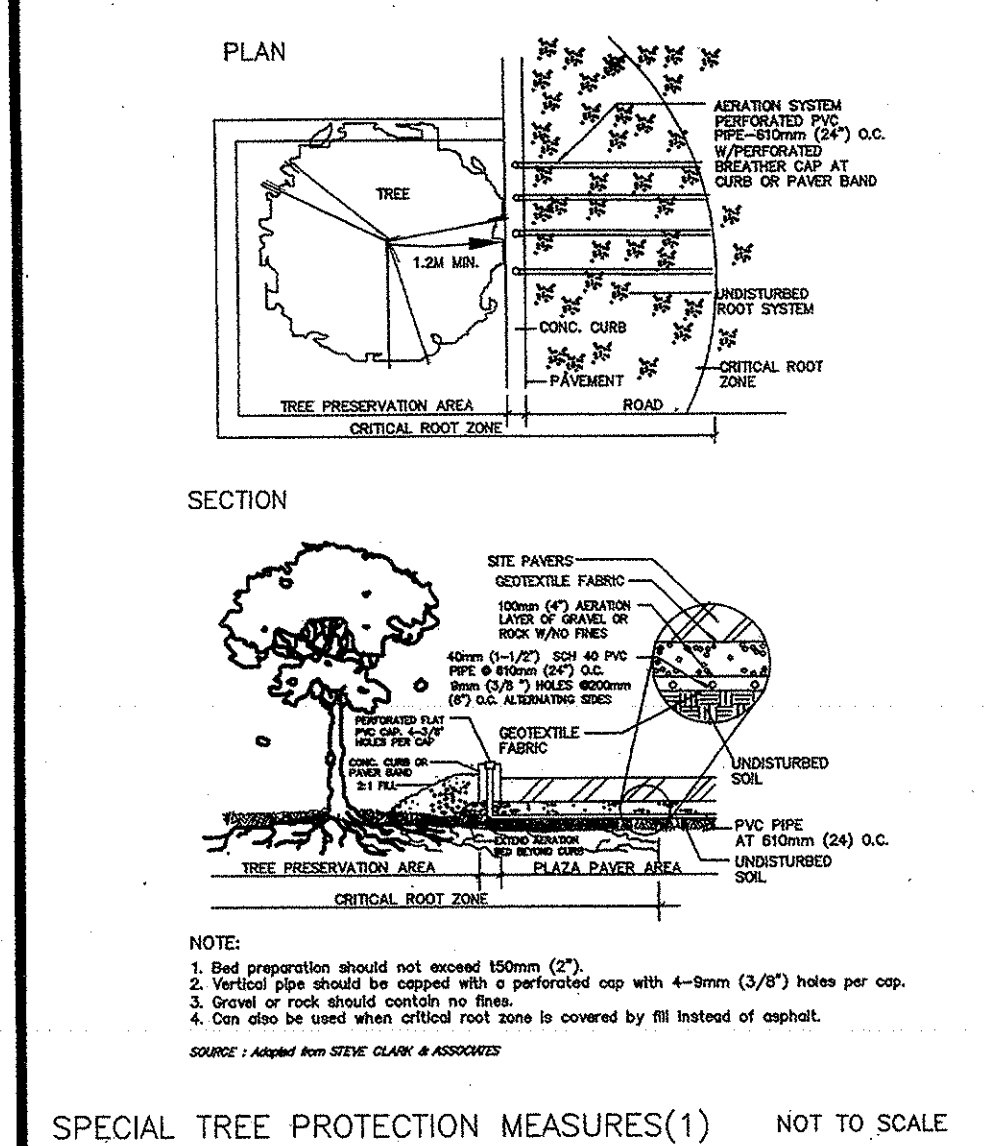
PERMANENT TWO RAIL, SPLIT RAIL FENCE



STRESS REDUCTION MEASURE



AERATION SYSTEM



| Tree # | Species | D.B.H. (inches) | Critical Root Zone (Sq. Ft.) | Tree Condition | Root Condition | Comments |
|--------|----------------|--------------------|---------------------------------|----------------|----------------|----------------|
| 1 | AMERICAN BEECH | 24 | 4072 | GOOD | GOOD | PROTECT & SAVE |
| 2 | AMERICAN BEECH | 24 | 4072 | GOOD | GOOD | PROTECT & SAVE |
| 3 | WHITE OAK | 24 | 4072 | GOOD | GOOD | PROTECT & SAVE |
| 4 | RED MAPLE | 24 | 4072 | GOOD | GOOD | PROTECT & SAVE |
| 5 | WHITE ASH | 25 | 4418 | GOOD | GOOD | PROTECT & SAVE |
| 6 | WHITE OAK | 27 | 5153 | GOOD | GOOD | TO BE REMOVED |
| 8 | RED OAK | 28 | 5542 | GOOD | GOOD | TO BE REMOVED |
| 9 | RED OAK | 28 | 5542 | GOOD | GOOD | TO BE REMOVED |
| 10 | RED OAK | 28 | 5542 | GOOD | GOOD | TO BE REMOVED |
| 11 | WHITE OAK | 28 | 4778 | GOOD | GOOD | TO BE REMOVED |
| 12 | AMERICAN BEECH | 28 | 4778 | GOOD | GOOD | TO BE REMOVED |
| 13 | RED OAK | 24 | 4072 | GOOD | GOOD | TO BE REMOVED |
| 14 | TULIP POPLAR | 24 | 4072 | GOOD | GOOD | TO BE REMOVED |
| 15 | WHITE OAK | 24 | 4072 | GOOD | GOOD | TO BE REMOVED |
| 16 | TULIP POPLAR | 24 | 4072 | GOOD | GOOD | TO BE REMOVED |
| 21 | AMERICAN BEECH | 28 | 5542 | POOR | GOOD | TO BE REMOVED |
| 22 | PIN OAK | 24 | 4072 | GOOD | GOOD | PROTECT & SAVE |
| 23 | WHITE OAK | 24 | 4072 | GOOD | GOOD | PROTECT & SAVE |
| 24 | RED MAPLE | 24 | 4072 | POOR | GOOD | PROTECT & SAVE |
| 27 | WHITE ASH | 24 | 4072 | GOOD | GOOD | PROTECT & SAVE |
| 28 | TULIP POPLAR | 27 | 5153 | GOOD | GOOD | PROTECT & SAVE |
| 29 | AMERICAN BEECH | 28 | 5542 | GOOD | GOOD | TO BE REMOVED |
| 30 | WHITE OAK | 24 | 4072 | GOOD | GOOD | TO BE REMOVED |
| 31 | CHESTNUT OAK | 27 | 5153 | GOOD | GOOD | PROTECT & SAVE |
| 32 | CHESTNUT OAK | 24 | 4072 | GOOD | GOOD | PROTECT & SAVE |
| 34 | TULIP POPLAR | 24 | 4072 | GOOD | GOOD | PROTECT & SAVE |
| 36 | BLACK CHERRY | 28 | 5542 | GOOD | GOOD | PROTECT & SAVE |
| 37 | TULIP POPLAR | 24 | 4072 | GOOD | GOOD | PROTECT & SAVE |
| 38 | AMERICAN BEECH | 27 | 5153 | GOOD | GOOD | PROTECT & SAVE |
| 39 | AMERICAN BEECH | 24 | 4072 | GOOD | GOOD | PROTECT & SAVE |
| 41 | WHITE OAK | 24 | 4072 | GOOD | GOOD | TO BE REMOVED |
| 42 | TULIP POPLAR | 28 | 4778 | POOR | POOR | TO BE REMOVED |
| 43 | AMERICAN BEECH | 28 | 4778 | FAIR | GOOD | TO BE REMOVED |
| 44 | AMERICAN BEECH | 28 | 4778 | GOOD | GOOD | TO BE REMOVED |
| 45 | RED MAPLE | 27 | 5153 | POOR | POOR | TO BE REMOVED |
| 46 | WHITE OAK | 28 | 4778 | GOOD | GOOD | PROTECT & SAVE |
| 48 | WHITE OAK | 28 | 4778 | GOOD | GOOD | PROTECT & SAVE |
| 55 | TULIP POPLAR | 14,12 | 2404 | FAIR | GOOD | PROTECT & SAVE |
| 57 | WHITE OAK | 24 | 4072 | GOOD | GOOD | TO BE REMOVED |
| 58 | WHITE OAK | 27 | 5153 | GOOD | GOOD | PROTECT & SAVE |
| 62 | TULIP POPLAR | 24 | 4072 | GOOD | GOOD | TO BE REMOVED |

Specimen Tree Summary 30" + DHB

| Tree # | Species | D.B.H. (inches) | Critical Root Zone (Sq. Ft.) | Tree Condition | Root Condition | Comments |
|--------|----------------|--------------------|---------------------------------|----------------|----------------|----------------|
| 6 | HICKORY | 30 | 8362 | POOR | GOOD | PROTECT & SAVE |
| 15 | WHITE ASH | 19,19 | 5104 | GOOD | GOOD | TO BE REMOVED |
| 16 | TULIP POPLAR | 30 | 8362 | GOOD | GOOD | PROTECT & SAVE |
| 17 | RED OAK | 21,21 | 8235 | GOOD | GOOD | PROTECT & SAVE |
| 18 | TULIP POPLAR | 18,20 | 5119 | GOOD | GOOD | TO BE REMOVED |
| 24 | TULIP POPLAR | 16,18 | 3513 | GOOD | GOOD | PROTECT & SAVE |
| 25 | RED OAK | 34 | 8171 | FAIR | FAIR | TO BE REMOVED |
| 33 | CHESTNUT OAK | 33 | 7696 | GOOD | GOOD | PROTECT & SAVE |
| 35 | RED MAPLE | 32 | 7238 | GOOD | GOOD | TO BE REMOVED |
| 40 | RED MAPLE | 30 | 6382 | POOR | GOOD | TO BE REMOVED |
| 46 | TULIP POPLAR | 20,22 | 5250 | GOOD | GOOD | TO BE REMOVED |
| 47 | TULIP POPLAR | 31 | 8793 | GOOD | GOOD | TO BE REMOVED |
| 50 | WHITE OAK | 32 | 7238 | GOOD | GOOD | PROTECT & SAVE |
| 51 | TULIP POPLAR | 18,10,12 | 3849 | POOR | GOOD | TO BE REMOVED |
| 52 | TULIP POPLAR | 16,8,8,12 | 3733 | POOR | GOOD | TO BE REMOVED |
| 53 | TULIP POPLAR | 10,14,12 | 3111 | POOR | GOOD | TO BE REMOVED |
| 54 | TULIP POPLAR | 12,12,10 | 2743 | POOR | GOOD | TO BE REMOVED |
| 56 | TULIP POPLAR | 22,22,10 | 16360 | FAIR | GOOD | PROTECT & SAVE |
| 60 | RED MAPLE | 31 | 6793 | GOOD | GOOD | TO BE REMOVED |
| 61 | WHITE OAK | 30 | 8362 | GOOD | GOOD | PROTECT & SAVE |
| 63 | AMERICAN BEECH | 30 | 8362 | GOOD | GOOD | TO BE REMOVED |

M-NCPPC
Prince George's County Planning Department
Environmental Planning Section
APPROVAL
TREE CONSERVATION PLAN
TCPII/159/04
Approved by: [Signature] Date: 8/6/05

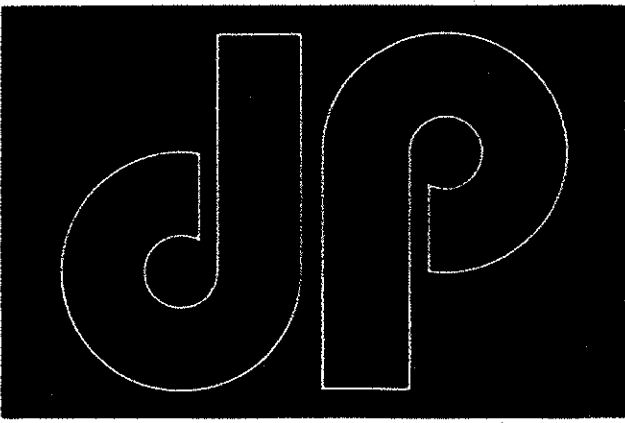
| M-NCPPC APPROVALS | | | |
|--|-----------------------------|---------------------|--------------------|
| PROJECT NAME: | Metropolitan Baptist Church | | |
| PROJECT NUMBER: | DSP-04046 | | |
| For Conditions of Approval see Site Plan Cover Sheet or Approval Sheet Revisions Listed Below Apply to This Sheet | | | |
| Approval or Revision # | Approval Date | Reviewer's Initials | Certification Date |
| 01 | | | |
| 02 | | | |
| 03 | | | |
| 04 | | | |
| 05 | | | |

CERTIFICATION OF QUALIFIED PROFESSIONAL

I HEREBY CERTIFY THAT THE PLAN SHOWN HEREON HAS BEEN PREPARED IN ACCORDANCE WITH MARYLAND STATE AND PRINCE GEORGE'S COUNTY FOREST CONSERVATION LAWS AND M-NCPPC GUIDELINES.

DATE: 8/6/05
MICHAEL A. NORTON
MDDNR / COMAR 08.15.06.01
QUALIFIED PROFESSIONAL

DHA JOB #1619



ARCHITECT
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SILVER SPRING, MD 20910

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STRUCTURAL ENGINEER
TADJER COHEN EISENBERG
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SILVER SPRING, MD 20910

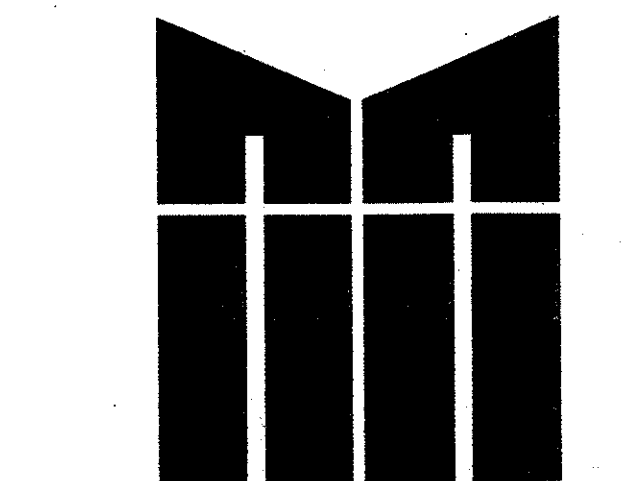
MEP ENGINEER
BANSAI & ASSOCIATES
102 SOUTH BRADDOCK AVE. N.W.
ALEXANDRIA, VA 22304

FIRE PROTECTION
STEELE ENGINEERING CORPORATION
UPPER MARLBOR, MARYLAND

GEOTECHNICAL
THOMAS L. BROWN & ASSOCIATES
1010 BRADDOCK AVE. N.W.
WASHINGTON, DC 20001

REVISIONS:

1. 3/28/05 PER MNCPPC STAFF REPORT COMMENTS DATED 2/9/05.
2. 5/20/05 PER MNCPPC STAFF REPORT COMMENTS DATED 2/9/05, & ARBORIST REPORT DATED 5/01/05.
3. 7/04/05 PER MNCPPC COMMENTS DATED 6/23/05.



METROPOLITAN BAPTIST CHURCH

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| ISSUE DATE | . |
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NOTES

| | |
|---------|----------|
| DATE | 08/23/04 |
| SCALE | AS SHOWN |
| DRAWN | J. DAYS |
| CHECKED | B. J. J. |
| JOB NO. | 00107-MB |

LOTS 1-15/BLOCK B
CAPITAL COURT
LARGO, MD

DRAWING TITLE
APPROVED
PLAN
TREE CONSERVATION PLAN II

SHEET NO. 6 OF 7
DSP-04046

METROPOLITAN BAPTIST CHURCH
General Forest Conservation Notes, Inspections, Reforestation Measures, Sequence of Construction and Management Plan

GENERAL FOREST CONSERVATION NOTES:

An on-site preconstruction meeting shall be required after the limits of disturbance have been staked and flagged, but before any clearing or grading begins. Attendees shall include the construction superintendent, tree professional, sediment control inspector, site design engineer and a representative from the Department of Environmental Review (DER). It is the contractor's responsibility to coordinate and schedule the preconstruction meeting.

No clearing or grading shall begin before stress-reduction measures have been implemented, unless otherwise permitted by the County Forester. Appropriate measures (see Tree Conservation Plan) may include:

- Root pruning
- Crown reduction and pruning
- Watering
- Fertilizing
- Vertical mulching

All stress-reduction measures must be performed by a State of Maryland licensed tree expert or International Society of Arboriculture certified arborist. Documentation of tree protection and tree stress reduction must be maintained by the contractor and be available for review by the county forester.

Temporary tree protection devices shall be installed per the Forest Conservation Plan and prior to any construction activities. Tree protection fencing locations should be staked in the field prior to the preconstruction meeting; or if installed, be prepared to make field adjustments as determined by the D.E.R. Temporary tree protection devices may include:

- Chain link fence (four feet high)
- Orange plastic mesh fence (four feet high)
- Protective signage

Temporary protection devices shall be maintained and installed by the contractor for the duration of the construction project and must not be altered without prior approval of the D.E.R. No equipment, trucks, materials, or debris may be stored within the protection fence areas during the entire construction project. No access to the fenced area will be permitted. Tree protection fencing shall not be removed without the approval of the County Forester.

Long-term protection devices (see Forest Conservation Plan) may include:

- Root aeration systems
 - Retaining walls
 - Retained sidewalks
 - Tunnels of utilities
 - Pier and panel walls
 - Split rail fence
- Long-term protection devices will be installed per the Forest Conservation Plan and attached details. Installation will occur at the appropriate time during the construction project.

Periodic inspections by the D.E.R. will occur during the construction project. Corrections and repairs to all tree protection devices, as determined by the D.E.R., must be made in a timely fashion.

Prior to installation of landscaping afforestation or reforestation projects, the contractor will request an on-site pre-planting meeting. Attendees shall include the contractor, landscaper, site design engineer and D.E.R. All details of the planting plans will be discussed.

After construction is completed, an inspection shall be requested. Corrective measures which may be required include:

- Removal and replacement of dead or dying trees
- Pruning of dead or declining limbs
- Soil aeration
- Fertilization
- Watering
- Wound repair
- Cleanup of retention areas

After inspection and completion of corrective measures have been undertaken, all temporary protection devices shall be removed from the site. No additional grading, sodding, or burial of debris may take place.

INSPECTIONS

There shall be a minimum of four inspections for forest conservation.

A. The first inspection shall occur after flagging/staking of the L.O.D. and/or stream buffers, and prior to any clearing, grading or sediment control measures. This inspection is to address the issues of the protection and sediment control. The developer and representatives from DER will meet to walk the proposed limits of disturbance and determine the final locations of sediment control devices and tree protection devices.

b. The 2nd inspection shall occur prior to planting in reforestation areas. This pre-planting inspection is to make final decisions regarding the best implementation of the planting plan, including, but not limited to, the final placement and selection of plant species, determination of the regeneration potential of existing plants to remove, and a determination of the best age planting treatment. The purchase and delivery of plant materials should not be made until after this inspection since a determination may be made in the field to alter the choice of plant material.

c. The 3rd inspection shall occur at the completion of the site reforestation planting and construction of the permanent forest protection measures. The purpose of the inspection is to determine the success and adequacy of the maintenance program and final determination will be made at this time as to whether additional planting and further maintenance measures are necessary.

d. The 4th and final inspection shall occur at the completion of the two-year maintenance program. The purpose of the inspection is to determine the success and adequacy of the maintenance program (and deer management program). A final determination will be made at this time as to whether additional plantings and a further maintenance program are necessary.

REFORESTATION MEASURES:

1. Pre-Planting Considerations

A. In areas with substantial growth of invasive undercover species, measures will be taken to remove and control invasives. The infested areas should be mown 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 coverages. The use of chemical weed controls will be limited to extreme cases and only with prior to written approval by D.E.R. Inspector. 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 planting.

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 mold compost are preferred.

D. If the planting shall occur in cut areas or if fill material is used at the planting site, it should be clean fill with 12 inches of native topsoil. 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 Material Storage

It is recommended that the 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 sunlight 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 soils medium differing from that of the planting site. The plant should be removed from the container and the roots gently loosened from the soils. If the roots encircle the root ball substitution is strongly recommended. S-shaped or knotted 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. Role 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 dropped, 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 the roots will be encouraged to stay within the amended soils. Soils should be raked evenly over the planting field and 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.

A. 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.

1. 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 planting areas, all forestation and afforestation sites must be posted with appropriate signs and fenced. Construction equipment shall be prohibited in these areas.

SEQUENCE OF CONSTRUCTION:

1. Call "Miss Utility" at 1-800-257-7777 prior to any work for the location of all existing utilities.

2. Flag limits of construction and stake out sediment control measures, new utilities, building and proposed locations for tree protection measures.

3. Arrange pre-construction meeting with the contracting officer, landscape contractor and D.E.R. to coordinate tree conservation measures procedures as identified in the inspection sequence above.

4. Prune roots and branches of existing plants as required for site work to promote plant health and provide proper shape.

5. Construct tree protection fences, install observation signs and sediment control measures.

6. Construct building, utilities and site improvements.

7. Adjust existing sediment control measures for reforestation construction as required.

8. After site construction has been completed implement site reforestation as shown on the plan and install permanent tree protection measures and install forest conservation signs.

9. After site has been stabilized and all construction has been completed, remove sediment control measures upon contracting officer and inspectors approval.

MANAGEMENT PLAN:

Post Construction

1. A final inspection by a licensed arborist will be made after final grading and reforestation has been completed and after all heavy equipment has been removed from the site.

2. The licensed Arborist will determine the areas to be vertically mulched, restoring the organic matter and maintaining the air and water penetration of the soil.

3. The licensed Arborist shall conduct class II pruning to remove all dead or damaged limbs as required to allow for proper wound closure. No crown reduction should occur unless terminal die back occurs.

4. Notify the D.E.R. Inspector for a final inspection of the trees to be saved and reforestation areas.

Additional Requirements:

1. One year after completion of construction the trees can be safely fertilized. The licensed Arborist should make the initial application and provide information to the owner on successive fertilizing.

2. Contractor shall provide 2 years of maintenance which will include watering, corrective stabilization and wildlife depredation measures as required for the reforestation and tree save areas.

3. Two years after completion of construction the licensed Arborist shall perform Class II pruning to remove any damaged, dead, interfering and objectionable limbs 0.5 inches in diameter and larger and selectively thin the canopy areas to reduce wind resistance and the possibility of storm damage.

REQUIRED SPECIAL TREATMENTS FOR EXISTING TREES TO REMAIN IN PARKING LOT AREAS

Assumptions and limiting conditions.

Survival of existing trees before, during and after construction activities is dependant on many factors, some that are within [the owner's] influence:

- Grading
- Root protection devices
- Surface drainage and water table changes
- Drainage pattern changes
- Placement of Utilities
- Access to tree save areas during construction
- Storage of materials
- Location of erosion control devices
- New installation of landscaping and hardscaping including plants, irrigation, water features, benches, lighting, etc.
- On going care of trees during and after construction (pruning, fertilization, insect and disease suppression etc.)

And others that may be outside [the owner's] influence and may damage or destroy the trees proposed to be preserved:

- Excessive ice, snow
- Lightning
- Drought
- Excessive wind,
- Excessive water,
- Vandalism,
- Fire,
- Insects infestations
- Hidden defects within the tree
- Disease

These factors and others will influence the survivability of the existing trees. How these are managed through the development processes and after will heavily influence the long term success.

REQUIRED SPECIAL TREATMENTS TO BE OVERSEEN BY A CERTIFIED ARBORIST

1. Demolition Plans

Demolition plans shall denote all trees to be preserved and removed:

- Trees removed shall not be felled, pushed or pulled into tree conservation area(s).
- No equipment, supplies, vehicles or persons shall be allowed into tree conservation areas.

2. On-Site Pre-Construction Phase

- A chain of command and of reporting shall be established
- Tree protection specifications and goals shall be communicated to the personnel implementing the plans.
- A training program should be instituted for all contractors and sub-contractors entering the site to establish an understanding of the importance of their role in ensuring the success of these conservation measures.
- Tree/Critical Root Zone protection barriers shall be installed prior to any site work (root pruning, wood chip mulch, root protection matting, chain link).
- Tree removal operations should not damage trees scheduled for retention.

3. On-site construction phase

- Implementation of the tree conservation plan should be supervised by a Project Arborist.
- Levels of compliance should be documented by a Project Arborist using on-site reporting
- In the event of damage to barriers and/or vegetation, corrective measures should be specified in reporting.
- Tree health should be monitored and any changes noted in reports.
- All tree conservation work shall be performed using a company that is a member in good standing of the Tree Care Industry Association. The company shall have an ISA Certified Arborist on staff (a member of the ISA in good standing) on site at all times while their company is performing the tree conservation work.

4. Post-Construction Phase

- Project Arborist should have contact with the person(s) responsible for the ongoing care and maintenance of trees, shrubs and vegetation affected by construction.
- Person(s) responsible for ongoing care should be brought up to speed regarding what occurred during the construction and the ongoing care necessary for the long-term tree and vegetation health.
- A budget should be developed for at least 3 years for on going care and maintenance.
- Tree, shrub and vegetative health should be monitored for three years after construction has ended.
- Long-term proactive care should be provided as recommended by the Project Arborist.

| | | | |
|---|--|---------|--|
| M-NCPPC Prince George's County Planning Department Environmental Planning Section | | | |
| APPROVAL TREE CONSERVATION PLAN | | | |
| TCPII 1/59104 | | | |
| Approved by | | Date | |
| L. E. M. W. | | 8/09/05 | |
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|--|---------------|---------------------|--------------------|
| M-NCPPC APPROVALS | | | |
| PROJECT NAME: Metropolitan Baptist Church | | | |
| PROJECT NUMBER: DSP-04046 | | | |
| For Conditions of Approval see Site Plan Cover Sheet or Approval Sheet Revisions Listed Below Apply to This Sheet | | | |
| Approval or Revision # | Approval Date | Reviewer's Initials | Certification Date |
| | 6/9/05 | S.L. | 8/10/05 |
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CERTIFICATION OF QUALIFIED PROFESSIONAL

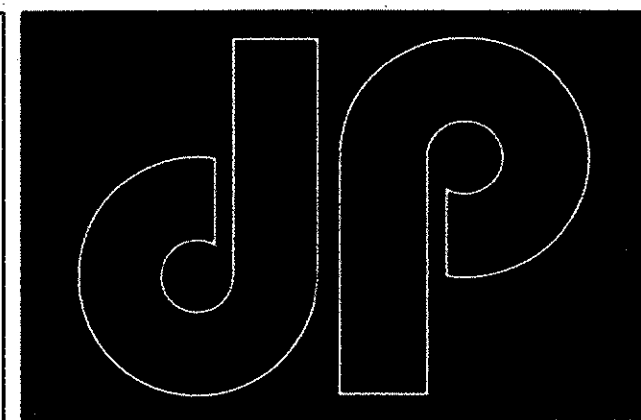
I HEREBY CERTIFY THAT THE PLAN SHOWN HEREON HAS BEEN PREPARED IN ACCORDANCE WITH MARYLAND STATE AND PRINCE GEORGE'S COUNTY FOREST CONSERVATION LAWS, AND M-NCPPC GUIDELINES.

8/1/05

DATE

MICHAEL A. NORTON
MDNR / COMAR 08.19.08.01
QUALIFIED PROFESSIONAL

DHA JOB #1619



ARCHITECT

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SILVER SPRING, MD 20910

LANDSCAPE ARCHITECT

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WASHINGTON, DC 20004

STRUCTURAL ENGINEER

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1000 SPRING STREET, SUITE 200
SILVER SPRING, MD 20910

MEP ENGINEER

BANSAL & ASSOCIATES
40 SOUTH PARKWAY
ALEXANDRIA, VA 22304

FIRE PROTECTION

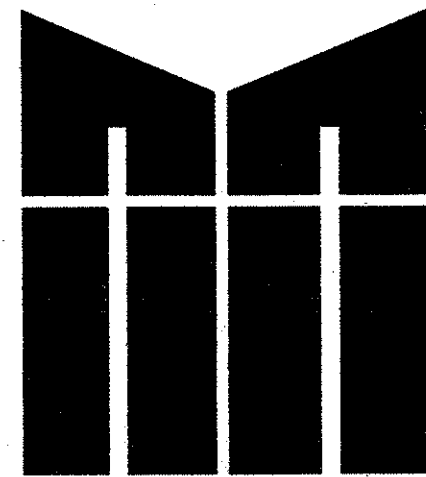
STEHLE ENGINEERING CORPORATION
3800 OLD MILL CREEK DRIVE, SUITE 101
UPPER MARLBORO, MARYLAND

GEOTECHNICAL

THOMAS BANSAL & ASSOCIATES
1010 NABASACHUBETTE AVE., N.W.
WASHINGTON, DC 20001

REVISIONS:

- 3/28/05 PER MNCPPC STAFF REPORT
COMMENTS DATED 2/9/05.
- 5/20/05 PER MNCPPC STAFF REPORT
COMMENTS DATED 2/9/05. &
ARBORIST REPORT DATED 5/01/05.
- 7/04/05 PER MNCPPC COMMENTS
DATED 6/23/05.



METROPOLITAN BAPTIST CHURCH

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NOTES

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| DATE | 08/23/04 |
| SCALE | NBS SHOWN |
| DRAWN | J. DAYS |
| CHECKED | B. WEI |
| JOB NO. | 08107-MC |

LOTS 1-15/BLOCK B
CAPITAL COURT
LARGO, MD

DRAWING TITLE
APPROVED
TREE PLAN
CONSERVATION
PLAN II

SHEET NO. 7 OF 7

DSP-04046
TCP-7