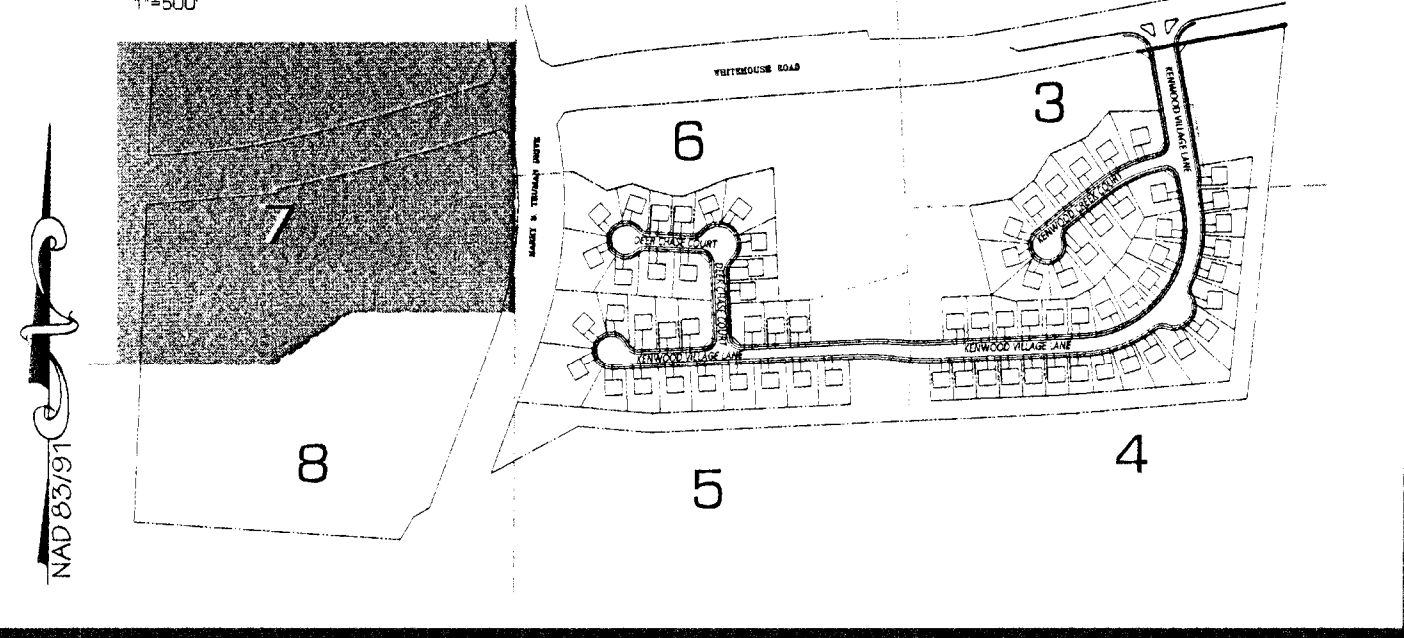


SHEET KEY



LEGEND

| | |
|-----|-------------------------------|
| --- | EXISTING INDEX CONTOUR |
| --- | PROPOSED INDEX CONTOUR |
| --- | EXISTING PROPERTY LINE |
| --- | PROPOSED RIGHT-OF-WAY |
| --- | PROPOSED LOT LINE |
| --- | EXISTING STREAM LINE |
| --- | STREAM BUFFER |
| --- | EXISTING WATER |
| --- | EXISTING SANITARY SEWER |
| --- | EXISTING STORM DRAIN |
| --- | PROPOSED WATER |
| --- | PROPOSED SEWER |
| --- | EXISTING CURBLINE |
| --- | EXISTING 'KEELINE' |
| --- | FLOODPLAIN |
| --- | 25' FLOODPLAIN BUFFER |
| --- | EX WETLANDS |
| --- | 25' WETLAND BUFFER |
| --- | PRIMARY MANAGEMENT AREA |
| --- | PROPOSED LIMIT OF DISTURBANCE |
| --- | PROP. SIDEWALK |

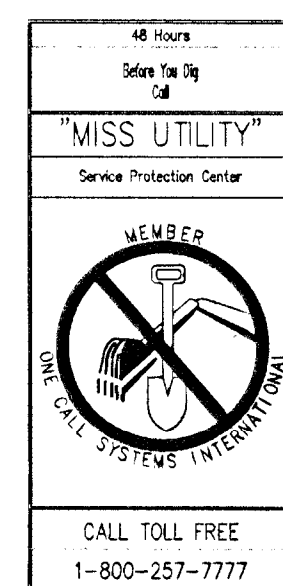
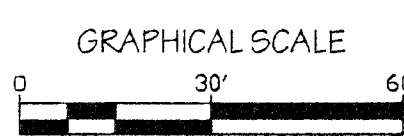
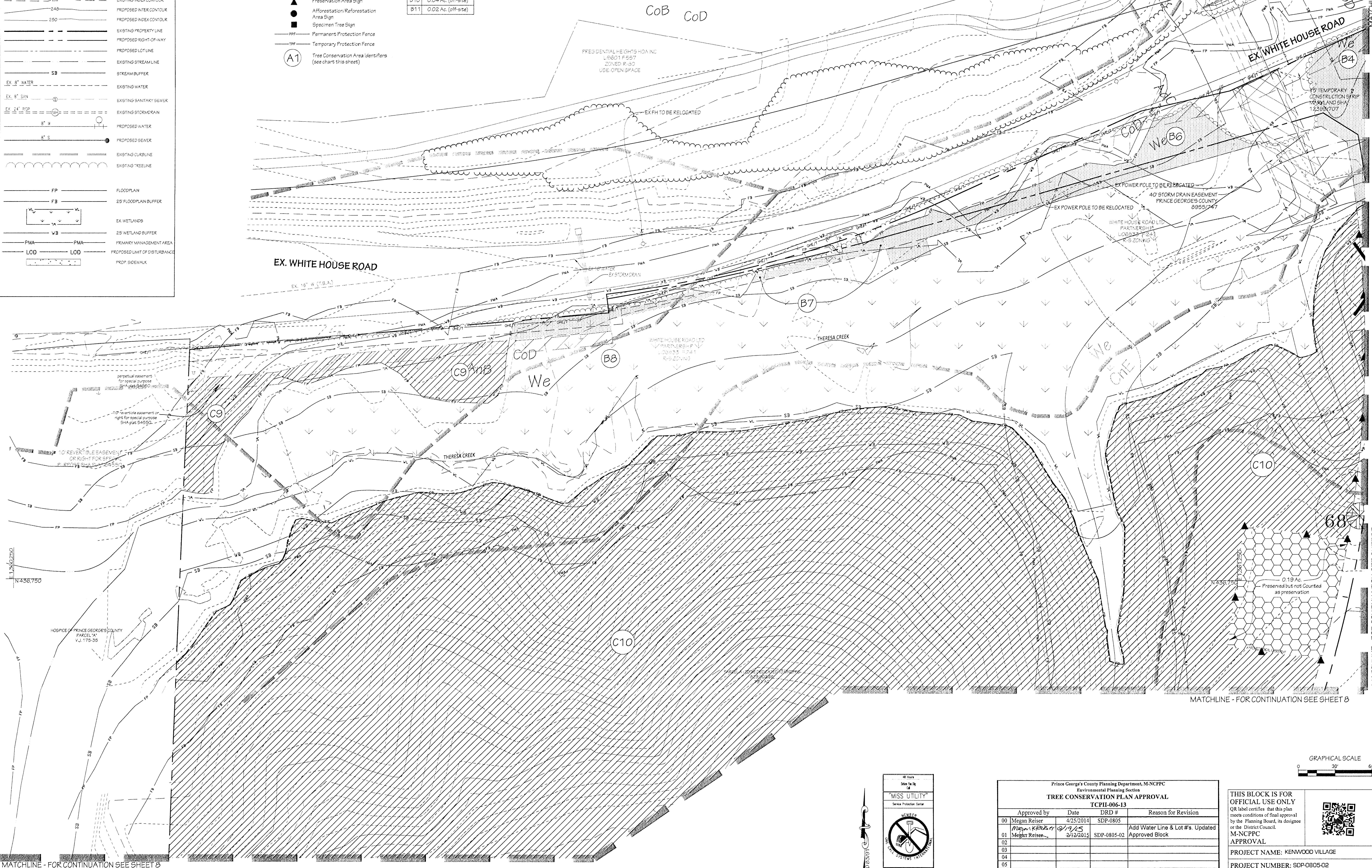
TREE CONSERVATION LEGEND

| | |
|-----|---|
| --- | Off-Site Clearing |
| --- | Clearing in the Floodplain |
| --- | Preservation |
| --- | Afforestation/Reforestation |
| --- | Preserved but not Counted |
| --- | Specimen Tree with Critical Root Zone, to be saved |
| --- | Specimen Tree with Critical Root Zone, to be removed |
| --- | Preservation Area Sign |
| --- | Afforestation/Reforestation Area Sign |
| --- | Specimen Tree Sign |
| --- | Permanent Protection Fence |
| --- | Temporary Protection Fence |
| --- | Tree Conservation Area Identifiers (see chart this sheet) |

TCP AREAS

| Off-Site Clearing | |
|----------------------------|---------------------|
| A1 | 0.02 Ac. |
| A2 | 0.05 Ac. |
| A3 | 0.27 Ac. |
| A4 | 0.04 Ac. |
| A5 | 0.04 Ac. |
| Clearing in the Floodplain | |
| B1 | 0.26 Ac. |
| B2 | 0.07 Ac. |
| B3 | 0.28 Ac. |
| B4 | 0.39 Ac. |
| B5 | 0.20 Ac. |
| B6 | 0.16 Ac. |
| B7 | 0.02 Ac. |
| B8 | 0.04 Ac. |
| B9 | 0.04 Ac. |
| B10 | 0.04 Ac. (off-site) |
| B11 | 0.02 Ac. (off-site) |

| Preservation | |
|---------------|-----------|
| C1 | 0.02 Ac. |
| C2 | 0.02 Ac. |
| C3 | 2.02 Ac. |
| C4 | 1.93 Ac. |
| C5 | 0.27 Ac. |
| C6 | 0.02 Ac. |
| C7 | 1.31 Ac. |
| C8 | 1.26 Ac. |
| C9 | 0.20 Ac. |
| C10 | 11.12 Ac. |
| Afforestation | |
| D1 | 2.34 Ac. |
| Reforestation | |
| E1 | 0.03 Ac. |



| Prince George's County Planning Department, M-NCPPC Environmental Planning Section TREE CONSERVATION PLAN APPROVAL TCPIL-006-13 | | | |
|--|-----------|-------------|----------------------------------|
| Approved by | Date | DRD # | Reason for Revision |
| Megan Reiser | 4/25/2014 | SDP-0805 | |
| Megan Reiser | 9/19/15 | SDP-0805-02 | Add Water Line & Lot #s. Updated |
| Megan Reiser | 2/12/2015 | SDP-0805-02 | Approved Block |
| | | | |
| | | | |
| | | | |
| | | | |

THIS BLOCK IS FOR
OFFICIAL USE ONLY
QR label certifies that this plan
meets conditions of final approval
by the Planning Board, its designee
or the District Council.
M-NCPPC
APPROVAL



PROJECT NAME: KENWOOD VILLAGE
PROJECT NUMBER: SDP-0805-02
For Conditions of Approval see Site Plan Cover Sheet or Approval Sheet
Revision numbers must be included in the Project Number

Axiom
Engineering Design
Civil Engineering • Land Surveying • Landscape Architecture • Land Planning
6900 Calverton Gateway Dr., Ste. 150 Calverton, Maryland 21046
Office: 410.276.8220
info@axiom-ed.com Fax: 410.276.8221

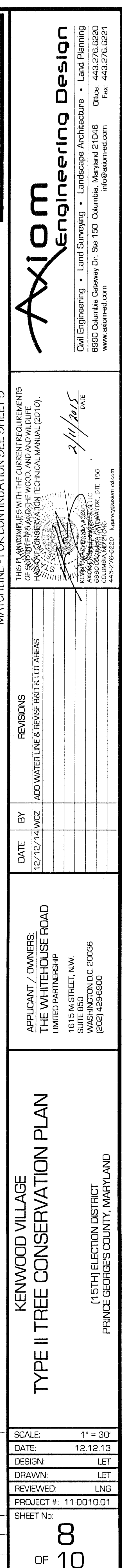
THIS PLAN COMPLETES WITH THE CURRENT REQUIREMENTS
OF SUBMITTALS AND THE WOODLAND AND WILDLIFE
HABITAT CONSERVATION TECHNICAL MANUAL (2010).
DATE: 2/11/15
BY: [Signature]

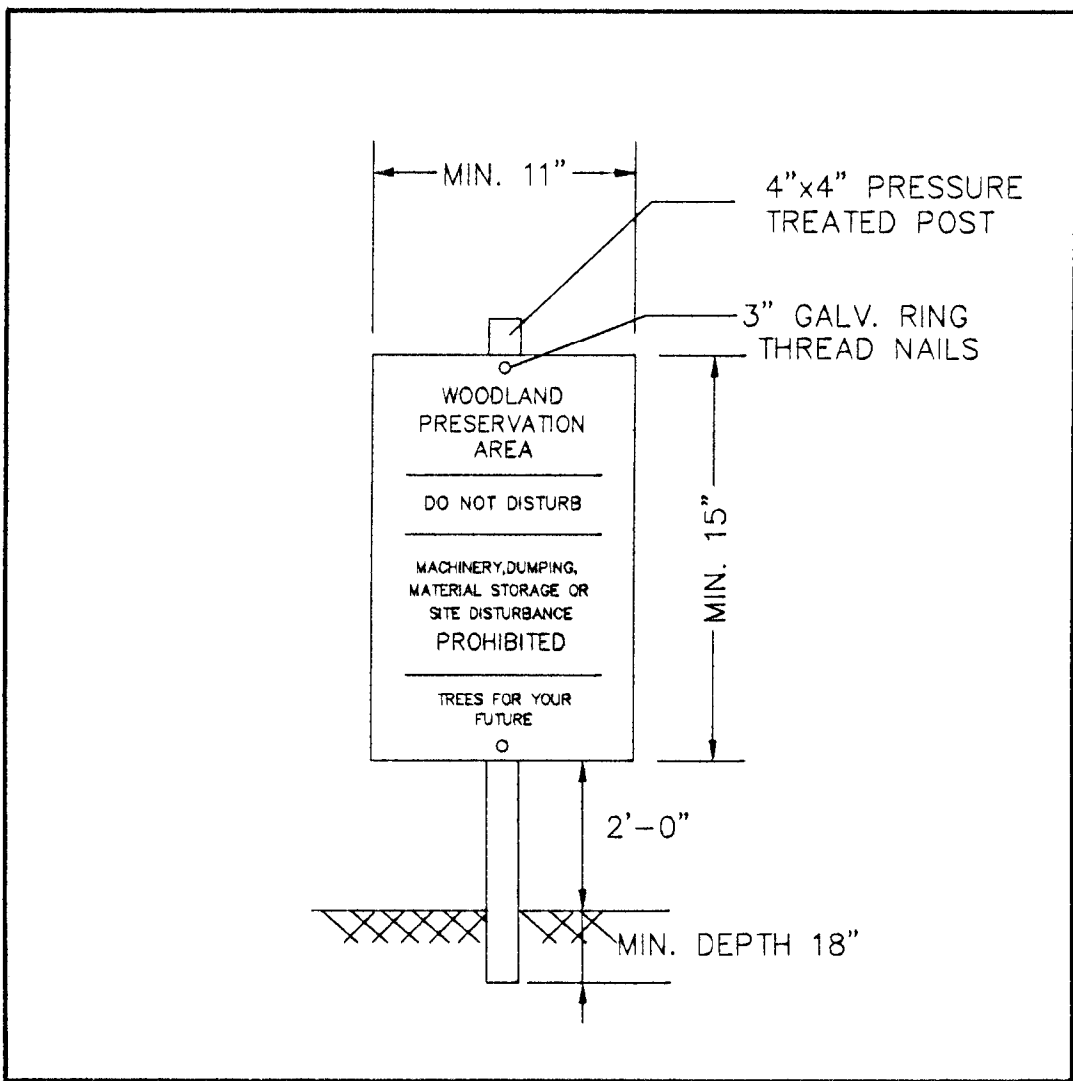
| DATE | BY | REVISIONS |
|----------|-----|--|
| 12/12/14 | WJZ | ADD WATER LINE & REUSE 680 & LOT AREAS |

APPLICANT / OWNERS:
THE WHITEHOUSE ROAD
LIMITED PARTNERSHIP
1615 M STREET, NW
SUITE 850
WASHINGTON, DC 20036
(202) 469-6800

KENWOOD VILLAGE
TYPE II TREE CONSERVATION PLAN
(15TH ELECTION DISTRICT
PRINCE GEORGE'S COUNTY, MARYLAND)

SCALE: 1" = 30'
DATE: 12/12/13
DESIGN: LET
DRAWN: LET
REVIEWED: LNG
PROJECT #: 11-0010.01
SHEET NO:
7
OF 10



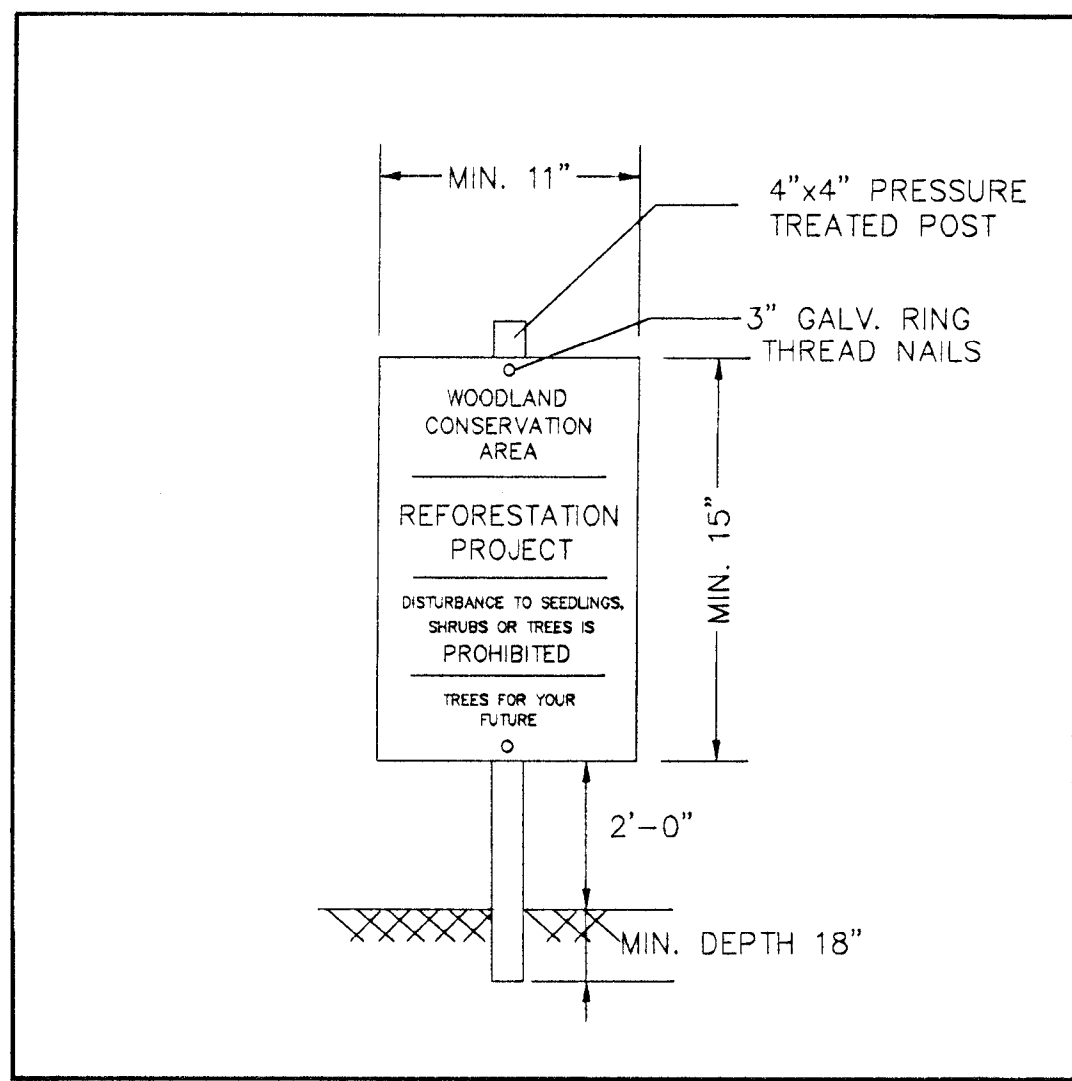


- NOTES:
1. ATTACHMENT OF SIGNS TO TREES IS PROHIBITED.
 2. SIGNS SHOULD BE PROPERLY MAINTAINED.
 3. AVOID INJURY TO ROOTS WHEN PLACING POSTS FOR THE SIGNS.
 4. SIGNS SHOULD BE POSTED TO BE VISIBLE TO ALL CONSTRUCTION PERSONNEL FROM ALL DIRECTIONS.
 5. SIGNS SHOULD BE INSTALLED AT SAME TIME AS TREE PROTECTION DEVICE.
 6. LOCATE SIGNS APPROXIMATELY EVERY 50 FEET ALONG FENCING.
 7. SIGNS SHOULD BE IN PLACE IMMEDIATELY FOLLOWING STAKE OUT OF L.O.D., AND REMAIN IN PLACE IN PERPETUITY.

WOODLAND PRESERVATION AREA SIGN

AUGUST 2010

A-4.DET-1

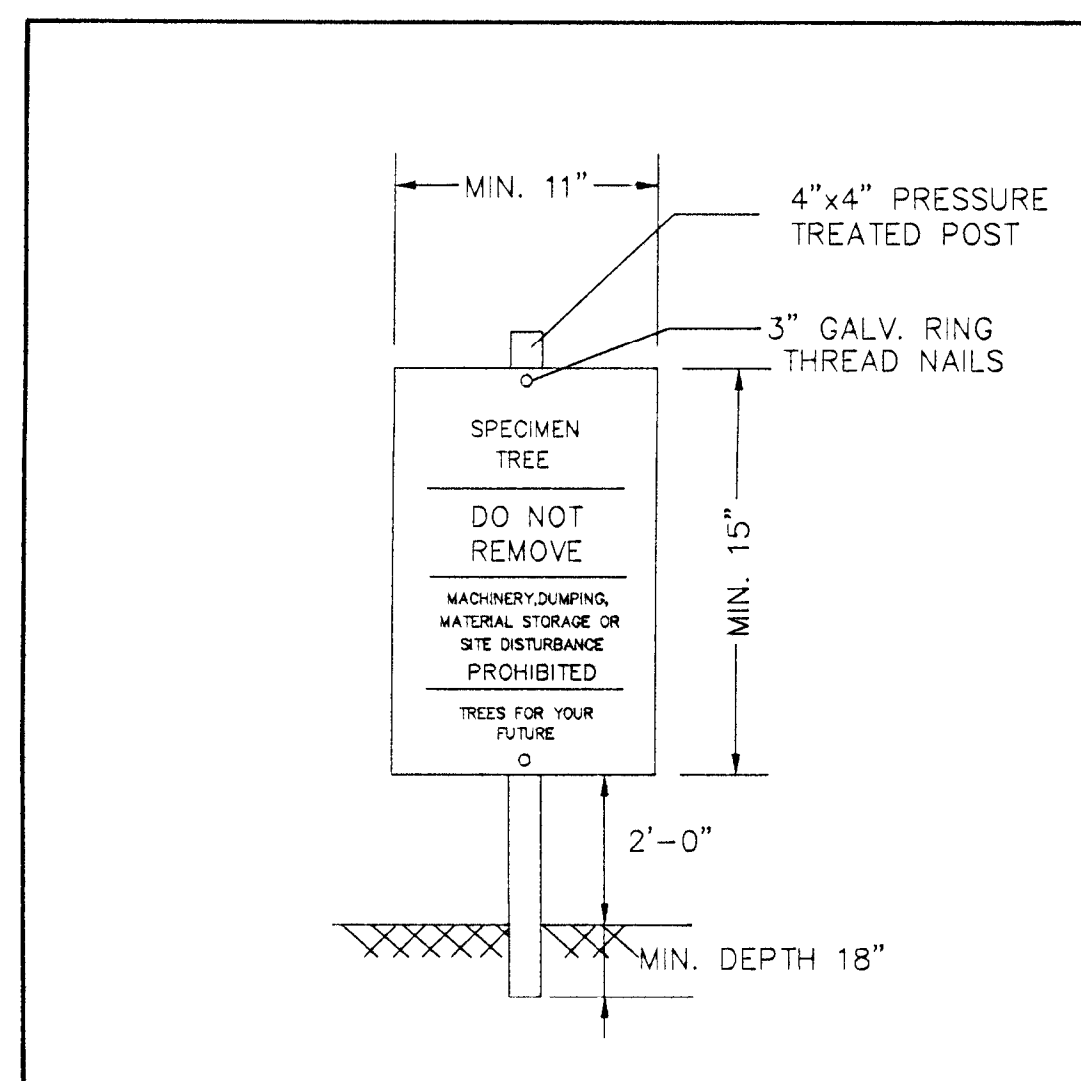


- NOTES:
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 6. LOCATE SIGNS APPROXIMATELY EVERY 50 FEET ALONG FENCING.
 7. SIGNS SHOULD BE IN PLACE IMMEDIATELY FOLLOWING STAKE OUT OF L.O.D., AND REMAIN IN PLACE IN PERPETUITY.

REFORESTATION AREA SIGN

AUGUST 2010

A-4.DET-2

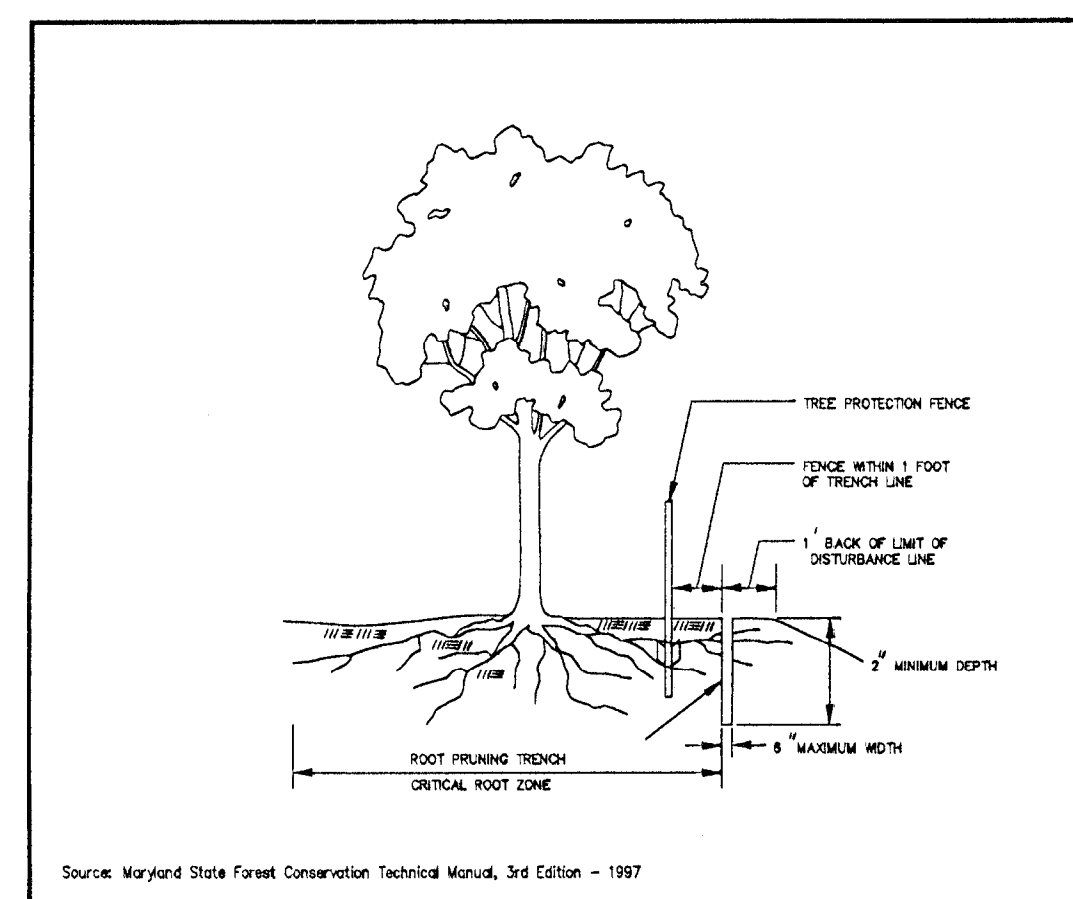


- NOTES:
1. ATTACHMENT OF SIGNS TO TREES IS PROHIBITED.
 2. SIGNS SHOULD BE PROPERLY MAINTAINED.
 3. AVOID INJURY TO ROOTS WHEN PLACING POSTS FOR THE SIGNS.
 4. SIGNS SHOULD BE POSTED TO BE VISIBLE TO ALL CONSTRUCTION PERSONNEL FROM ALL DIRECTIONS.
 5. SIGNS SHOULD BE INSTALLED AT SAME TIME AS TREE PROTECTION DEVICE.
 6. LOCATE SIGNS APPROXIMATELY EVERY 50 FEET ALONG FENCING.
 7. SIGNS SHOULD BE IN PLACE IMMEDIATELY FOLLOWING STAKE OUT OF L.O.D., AND REMAIN IN PLACE IN PERPETUITY.

SPECIMEN TREE SIGN

AUGUST 2010

A-4.DET-3

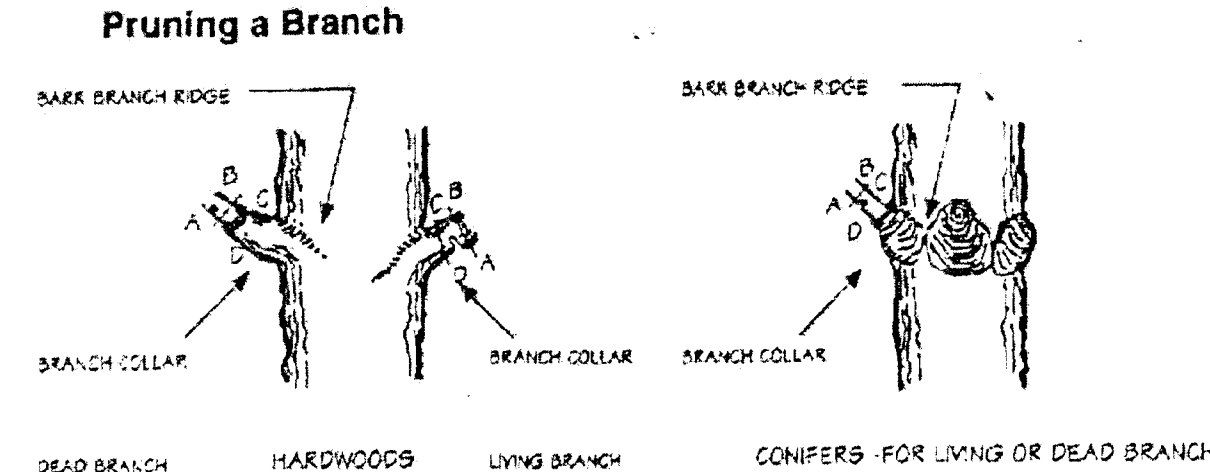


- NOTES:
1. RETENTION AREAS TO BE ESTABLISHED AS PART OF THE FOREST CONSERVATION PLAN REVIEW PROCESS.
 2. BOUNDARIES OF RETENTION AREAS SHOULD BE STAKED, FLAGGED AND/OR FENCED PRIOR TO TRENCING.
 3. EXACT LOCATION OF TRENCH SHOULD BE IDENTIFIED.
 4. TRENCH SHOULD BE IMMEDIATELY BACKFILLED WITH SOIL REMOVED OR OTHER HIGH ORGANIC SOIL.
 5. ROOTS SHOULD BE CLEANLY CUT USING VIBRATORY KNIFE OR OTHER ACCEPTABLE EQUIPMENT.

ROOT PRUNING

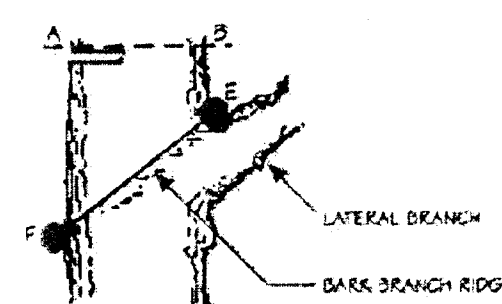
AUGUST 2010

A-4.DET-4



- Notes:
1. Remove branch weight by undercutting at A and remove limb by cutting through at AB.
 2. Remove stub at CD (line between branch bark ridge and outer edge of branch collar).
 3. If D is difficult to find on hardwoods, angle of CD to trunk should be the reflective angle of the dark branch ridge to the trunk.
 4. Only prune at specified times.
 5. Remove no more than 30% of crown at one time.

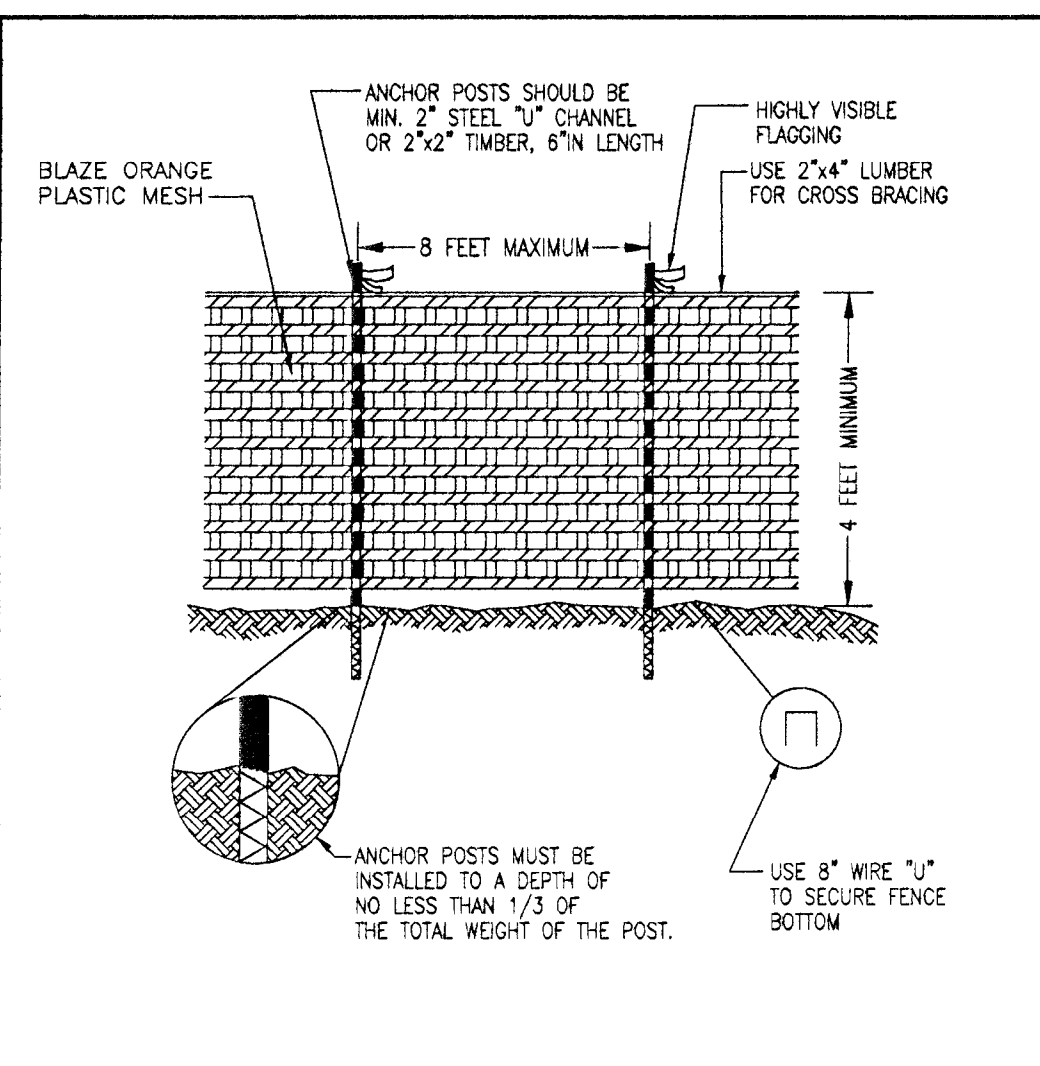
Pruning a Leader to Reduce Size



- Notes:
1. Remove top weight by undercutting at A and remove limb by cutting through AB.
 2. Remove stub at EF (parallel to the dark branch ridge).
 3. Only prune at specified times.
 4. No more than 50% of crown to be removed at one time.
 5. Diameter of lateral branch should be no less than 30% of the diameter of the leader.

Source: Fairfax County, Virginia Vegetation Preservation & Planning, January 1986

Tree Pruning

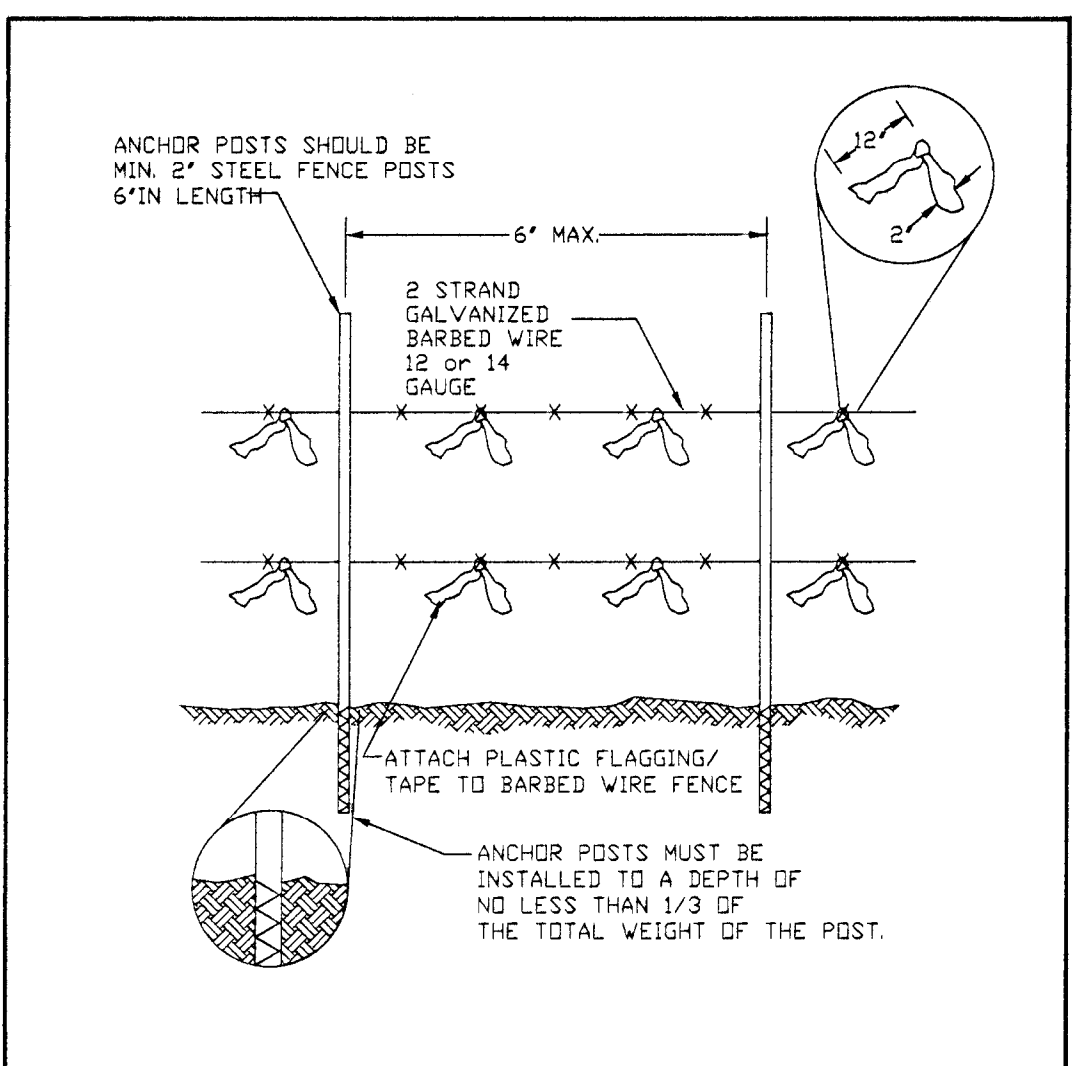


- NOTES: (MUST BE INCLUDED WITH DETAIL)
1. FOREST PROTECTION DEVICE ONLY.
 2. RETENTION AREA WILL BE SET AS PART OF THE REVIEW PROCESS.
 3. BOUNDARIES OF RETENTION AREA SHOULD BE STAKED AND FLAGGED PRIOR TO INSTALLING DEVICES.
 4. AVOID ROOT DAMAGE WHEN PLACING ANCHOR POSTS.
 5. DEVICE SHOULD BE PROPERLY MAINTAINED DURING CONSTRUCTION.
 6. PROTECTIVE SIGNAGE IS ALSO REQUIRED.

TYPE 1 (TEMPORARY) TREE PROTECTION FENCE DETAIL FOR WOODLAND PRESERVATION AREAS

AUGUST 2010

A-4.DET-5

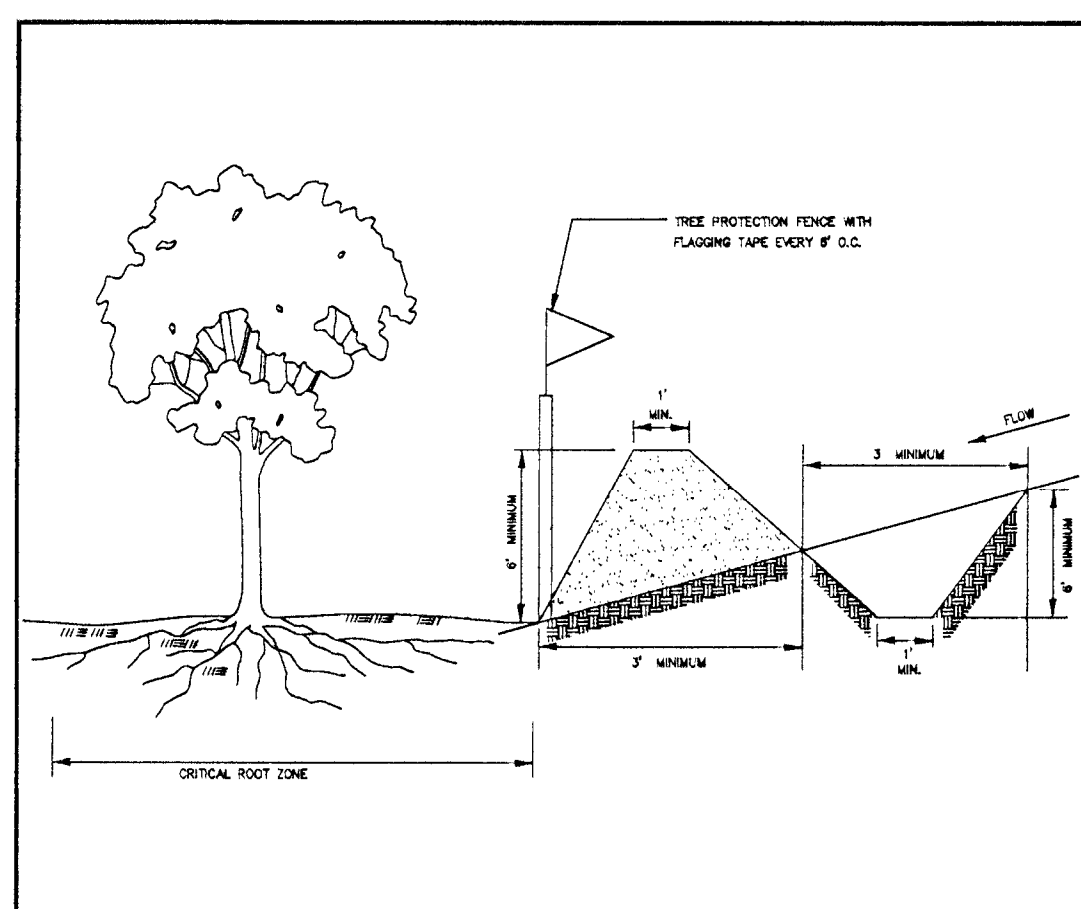


- NOTES: (MUST BE INCLUDED WITH DETAIL)
1. FOREST PROTECTION DEVICE ONLY.
 2. RETENTION AREA WILL BE SET AS PART OF THE REVIEW PROCESS.
 3. BOUNDARIES OF RETENTION AREA SHOULD BE STAKED AND FLAGGED PRIOR TO INSTALLING DEVICES.
 4. AVOID ROOT DAMAGE WHEN PLACING ANCHOR POSTS.
 5. BARBED WIRE SHOULD BE SECURELY ATTACHED TO POSTS.
 6. DEVICE SHOULD BE PROPERLY MAINTAINED DURING CONSTRUCTION.
 7. PROTECTIVE SIGNAGE IS ALSO REQUIRED.

TYPE 2 (TEMPORARY) TREE PROTECTION FENCE FOR REFORESTATION AREAS

AUGUST 2010

A-4.DET-6

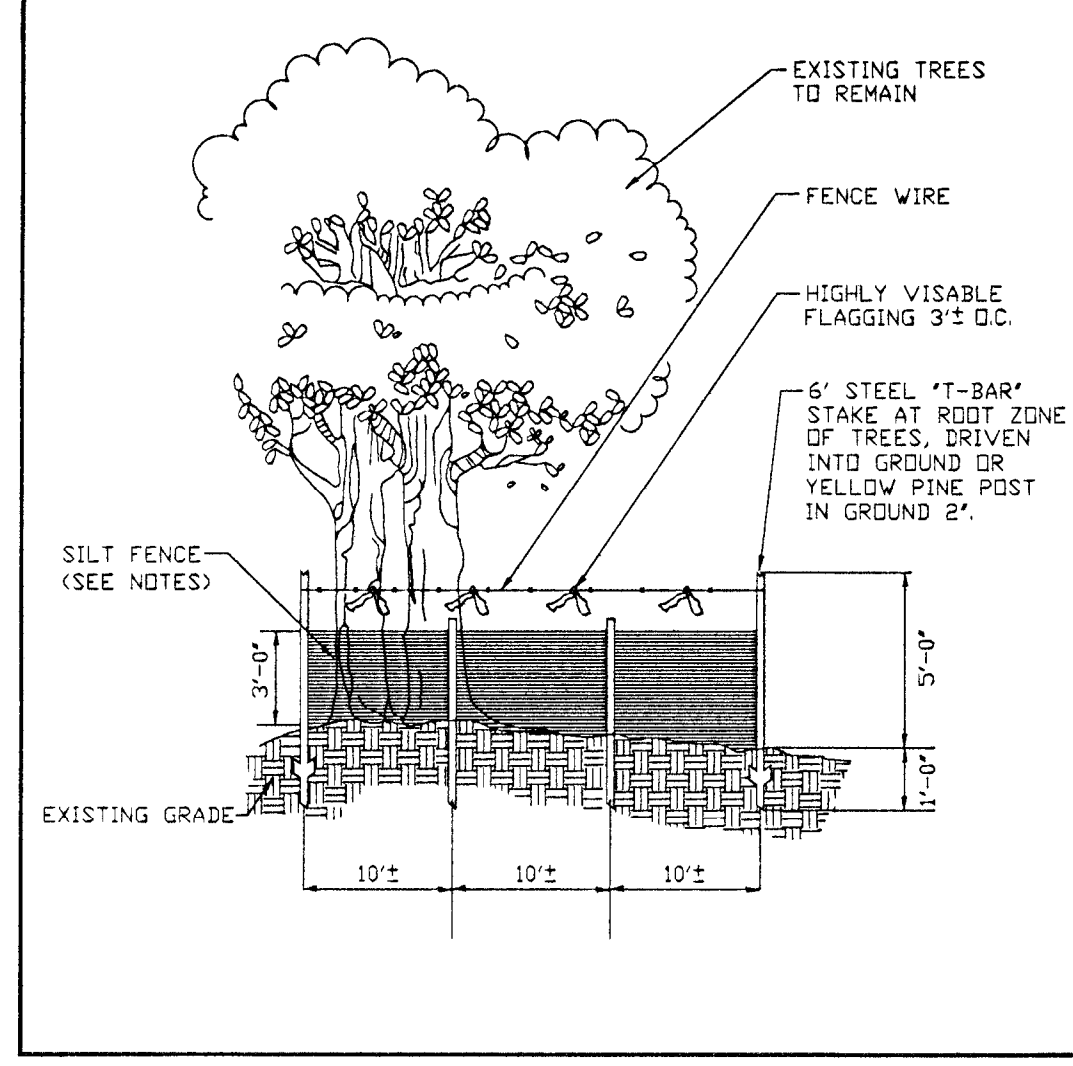


- NOTES:
1. COMBINATION SEDIMENT CONTROL AND FOREST PROTECTION DEVICE.
 2. BOUNDARIES OF THE RETENTION AREA WILL BE SET AS PART OF THE FOREST CONSERVATION PLAN REVIEW PROCESS.
 3. BOUNDARIES OF RETENTION AREA SHOULD BE STAKED PRIOR TO INSTALLING PROTECTIVE DEVICE.
 4. ROOT DAMAGE SHOULD BE AVOIDED.
 5. THE TIE OF SLOPE SHOULD BE OUTSIDE THE CRITICAL ROOT ZONE.
 6. EQUIPMENT IS PROHIBITED WITHIN CRITICAL ROOT ZONE OF RETENTION AREA PLACE DIKE ACCORDINGLY.
 7. ALL STANDARD MAINTENANCE FOR EARTHEN DIKES AND SWALES APPLY TO THESE DETAILS.
 8. ALL STANDARD RECLAMATION PRACTICES FOR EARTHEN DIKES AND SWALES SHALL APPLY TO THESE DETAILS.

TYPE 3 (TEMPORARY) TREE PROTECTION FENCE COMBINATION SILT FENCE & TREE PROTECTION

AUGUST 2010

A-4.DET-7

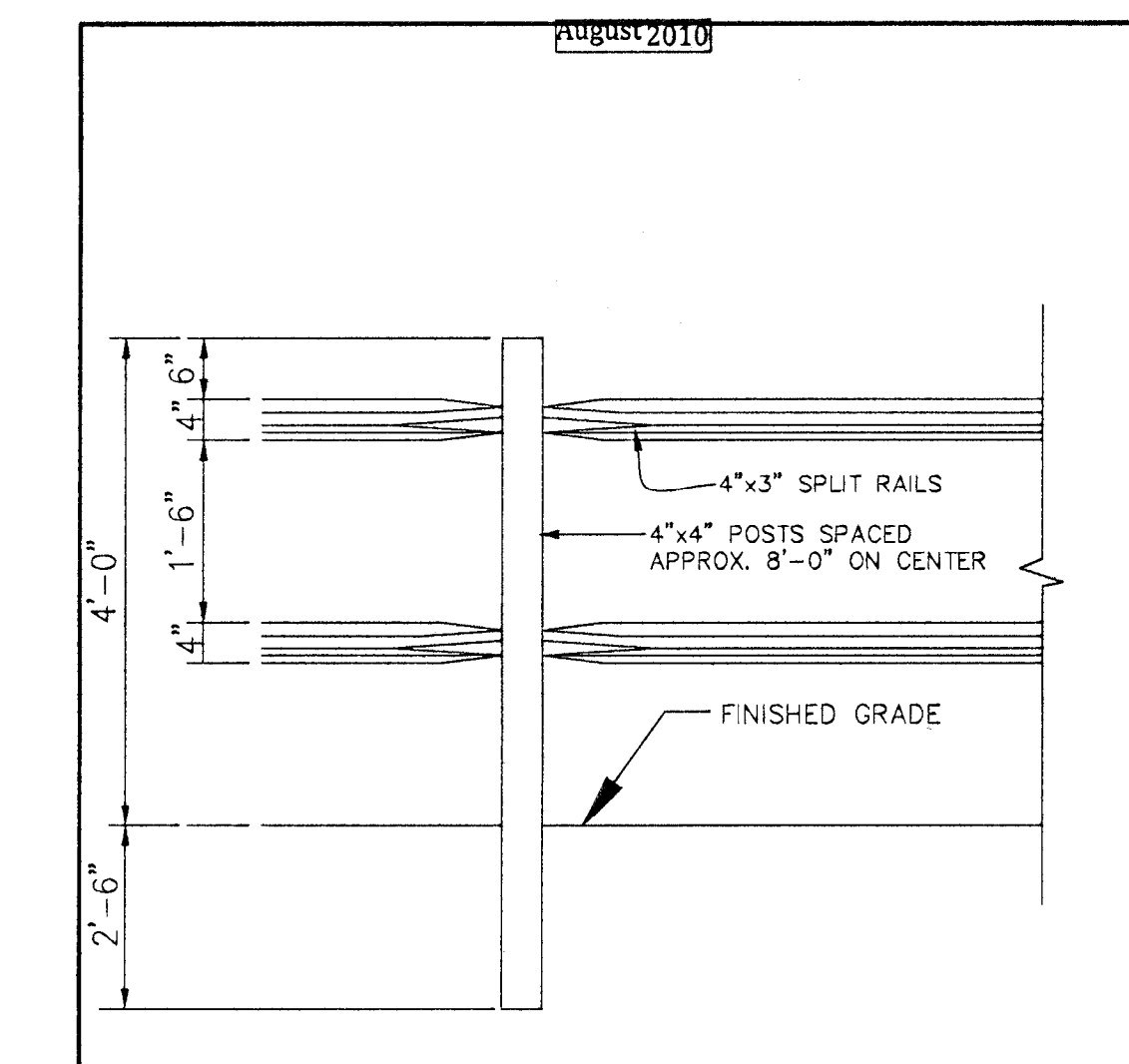


- NOTES:
1. SILT FENCE TO BE HEDED TO SOIL.
 2. WIRE SNOW FENCE, ETC. FOR TREE PROTECTION ONLY.
 3. BOUNDARIES OF RETENTION AREA WILL BE ESTABLISHED AS PART OF THE TREE CONSERVATION PLAN REVIEW PROCESS.
 4. BOUNDARIES OF RETENTION AREA SHOULD BE STAKED AND FLAGGED PRIOR TO INSTALLING DEVICE.
 5. AVOID ROOT DAMAGE WHEN PLACING ANCHOR POSTS.
 6. DEVICE SHOULD BE PROPERLY MAINTAINED THROUGHOUT CONSTRUCTION.
 7. PROTECTIVE SIGNAGE IS ALSO REQUIRED.
 8. LOCATE FENCE OUTSIDE THE CRITICAL ROOT ZONE.

TYPE 4 (TEMPORARY) TREE PROTECTION FENCE COMBINATION SILT FENCE & TREE PROTECTION

AUGUST 2010

A-4.DET-8

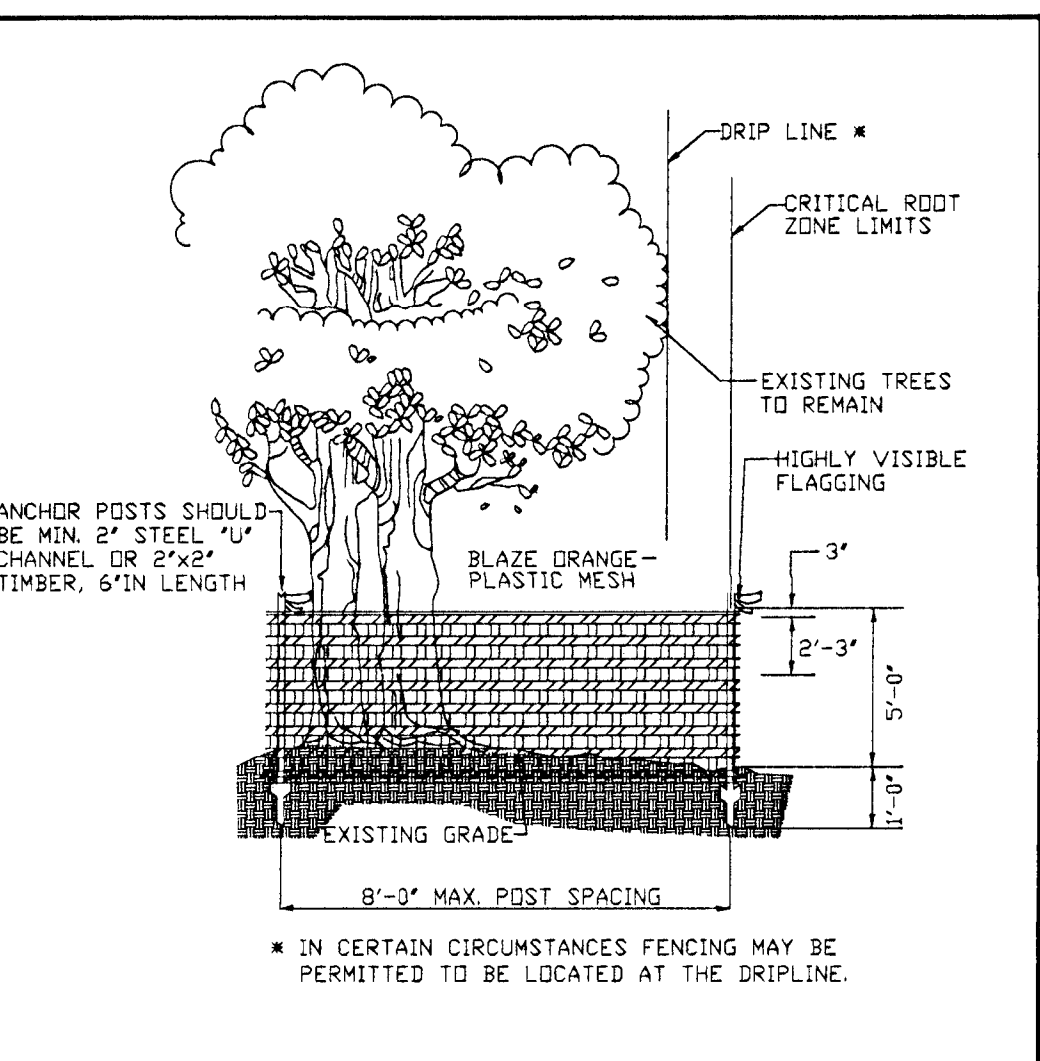


- NOTES:
1. POSTS SHALL STAND PLUMB.
 2. RAILS SHALL BE HUNG WITH UNIFORM HEIGHT AND SPACING.
 3. REFORESTATION SIGNS TO BE ATTACHED TO WOOD POSTS EVERY 50 FEET..
 4. TOP OF SIGN TO BE FLUSH WITH TOP OF WOOD POST.
 5. SIGNS TO BE ATTACHED USING 2 GALVANIZED WOOD SCREWS EACH WITH A GALVANIZED WASHER.

PERMANENT (SPLIT RAIL) TREE PROTECTION FENCE FOR REFORESTATION AREAS

AUGUST 2010

A-4.DET-9

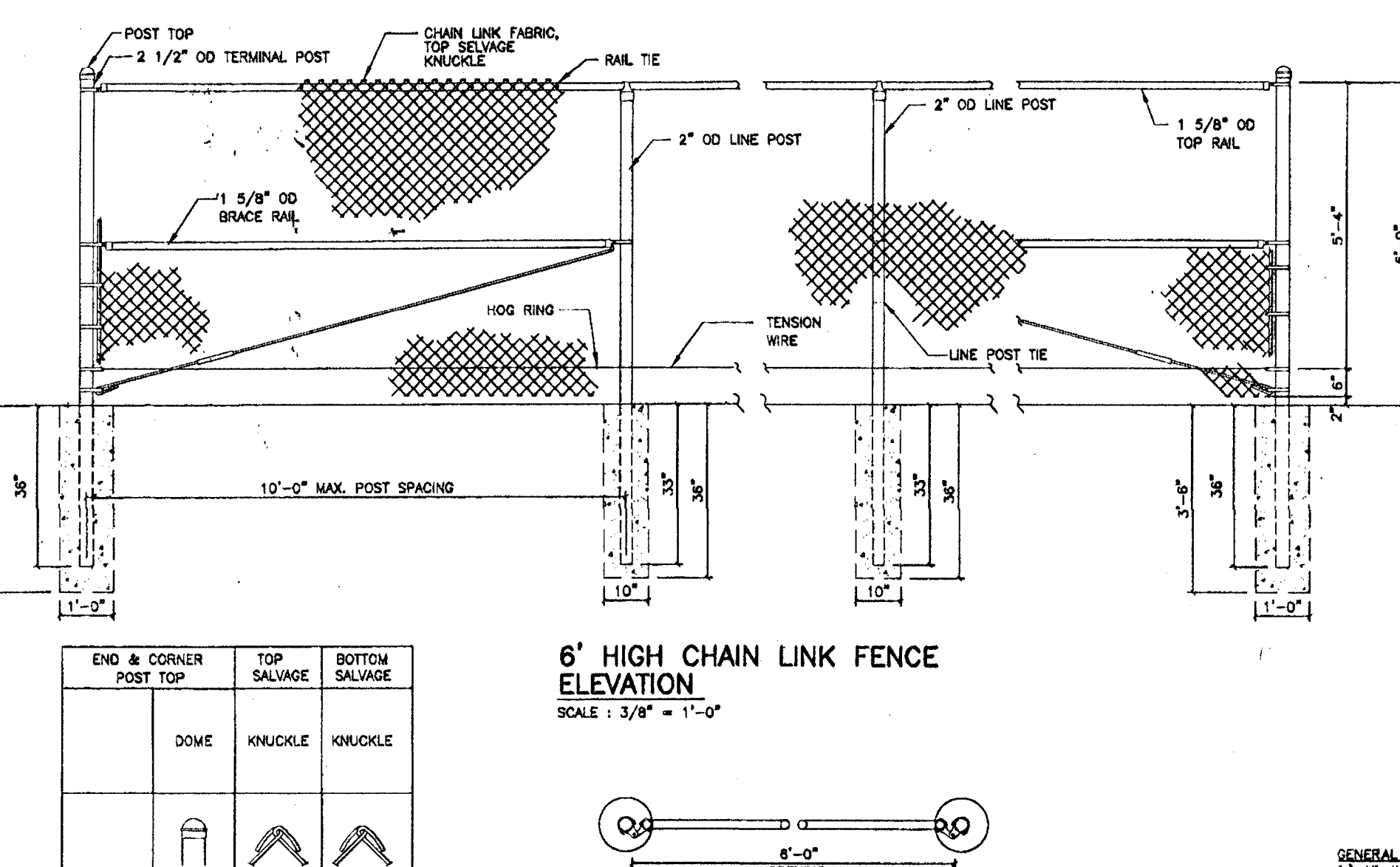


- NOTES: (MUST BE INCLUDED WITH DETAIL)
1. FOREST PROTECTION DEVICE ONLY.
 2. RETENTION AREA WILL BE SET AS PART OF THE REVIEW PROCESS.
 3. BOUNDARIES OF RETENTION AREA SHOULD BE STAKED AND FLAGGED PRIOR TO INSTALLING DEVICES.
 4. AVOID ROOT DAMAGE WHEN PLACING ANCHOR POSTS.
 5. DEVICE SHOULD BE PROPERLY MAINTAINED DURING CONSTRUCTION.
 6. PROTECTIVE SIGNAGE IS ALSO REQUIRED.

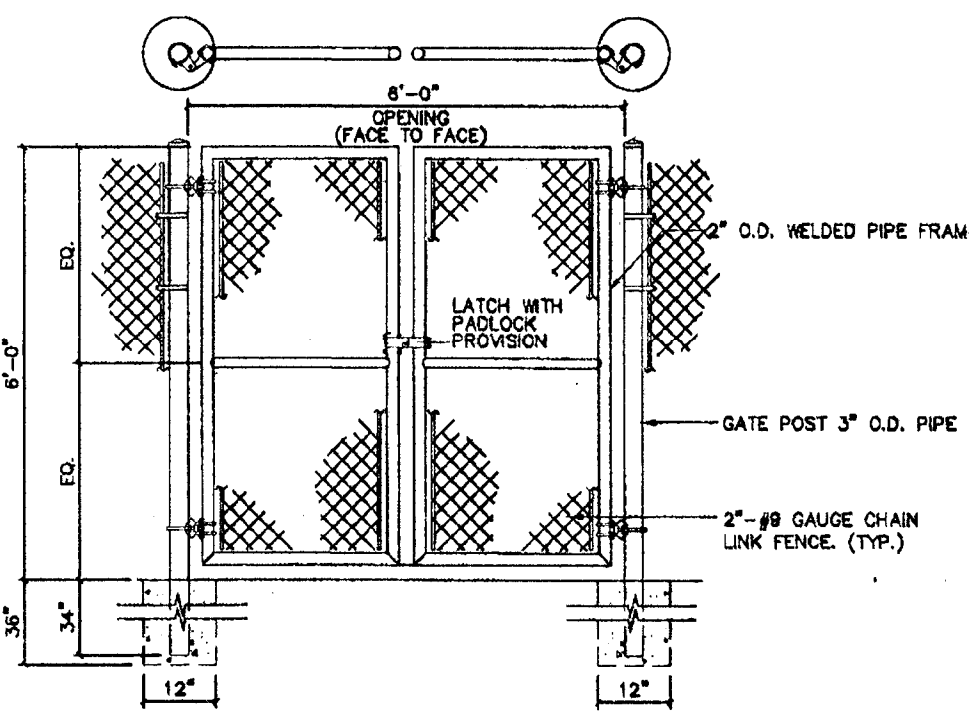
TEMPORARY FENCE PROTECTION DETAIL FOR WOODLAND PRESERVATION AREAS

AUGUST 2010

A-4.DET-3



| END & CORNER POST TOP | TOP SALVAGE | BOTTOM SALVAGE |
|-----------------------|-------------|----------------|
| DOVE | KNURLED | KNURLED |



- GENERAL NOTES:
1. All dimensions to be verified in the field.
- MATERIAL SPECIFICATIONS:
- ~ Fence fabric - #8 gauge, black vinyl, 1 3/4" mesh.
 - ~ Gate posts - 3" OD SS-40 galvanized pipe @ 4.64 lb./ft
 - ~ Terminal posts - 2 1/2" OD SS-40 galvanized pipe @ 3.12 lb./ft
 - ~ Line posts - 2" OD SS-40 galvanized pipe @ 2.28 lb./ft
 - ~ Top and brace rails - 1 5/8" OD SS-40 galvanized pipe @ 1.84 lb./ft
- INSTALLATION:
- ~ Line posts - 10" diameter x 36" deep
 - ~ End and corner posts - 12" diameter x 36" deep
 - ~ Swing gate posts - 12" diameter x 36" deep ALL footings will be 3000 psi or equivalent concrete.
 - ~ Hardware - all parts to be galvanized steel.
- *NOTE: Borated finish on the top and bottom salvage is not recommended for safety reasons.

6' HIGH X 6' WIDE DOUBLE SWING GATE

SCALE: 1/8" = 1'-0"

| Prince George's County Planning Department, M-NCPPC Environmental Planning Section TREE CONSERVATION PLAN APPROVAL ICPH-006-13 | | | |
|---|-----------|-------------|---|
| Approved by | Date | DRD # | Reason for Revision |
| Megan Reiser | 4/25/2014 | SDP-0805 | |
| Meghan Reiser | 2/19/15 | SDP-0805-02 | Add Water Line & Lot #s. Updated Approved Block |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

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QR label certifies that this plan meets conditions of final approval by the Planning Board, its designee or the District Council.

M-NCPPC APPROVAL

PROJECT NAME: KENWOOD VILLAGE

PROJECT NUMBER: SDP-0805-02

For Conditions of Approval see Site Plan Cover Sheet or Approval Sheet. Revision numbers must be included in the Project Number.



| DATE | BY | REVISIONS |
|----------|-----|--|
| 12/12/14 | WJW | ADD WATER LINE & FENCE END & LOT AREAS |

Handling Seedlings in the Field

Seedlings and Whips

Bare Root Trees

Handling Bare Root Stock

| Size | Number Required per Acre | Approximate Spacing feet on center | Survivability Requirement At the end of the second growing season |
|--|--------------------------|------------------------------------|---|
| Bare Root Seedlings or Whips | 700 | 9 x 9 | 75% 525 |
| Container Grown Seedling 1-Gal (Minimum Cavity Width 1.5") | 500 | 10 x 10 | 75% 375 |
| Container Grown 1, 2, 3 Gallon | 400 | 12 x 12 | 75% 300 |
| Container Grown 5, 7 Gallon or 1" Caliper B & B | 300 | 15 x 15 | 85% 255 |
| Container Grown 15, 25 Gallon or 1.5, 2" Caliper B & B | 150 | 20 x 20 | 100% 150 |

Notes:

1. These stocking and survival requirements are the minimum numbers estimated to meet the definition of forest from base land.

2. In certain circumstances, any combination of the above mentioned stocking options, dry seedling, live shelter, temporary, and/or natural regeneration may be appropriate strategies to fulfill the requirements of an approved TCP. They will be evaluated on a case-by-case basis by the approving authority.

3. Spacing does not imply that trees or shrubs must be planted in a grid pattern.

Site Stocking

Tasks

Months

Tree Planting and Maintenance Calendar

Typical Forest Tree Distribution Patterns

Aggregate Distribution Drift

Mixing Transplant Stock

Planting Distribution Patterns

Typical Upright Staking Detail

Typical Tree Guying Detail

Tree Staking and Guying Specifications

| PLANT LIST: Preferred Species | | |
|-------------------------------|----------------------|--|
| Acer saccharum | Silver Maple | FACV |
| Betula nigra | River Birch | FACV |
| Chamaecyparis thyoides | Atlantic White Cedar | OBL |
| Crataegus viridis | Green Hawthorn | FACV |
| Magnolia virginiana | Sweetbay Magnolia | FACV Tolerates occasional flooding, some salt |
| Pinus serotina | Marsh Pine | OBL |
| Platanus occidentalis | American Sycamore | FACV |
| Populus heterophylla | Swamp Cottonwood | OBL |
| Quercus bicolor | Swamp White Oak | FACV |
| Quercus palustris | Pin Oak | FACV |
| Salix nigra | Black Willow | OBL Suckers, Stream bank stabilization |
| Taxodium distichum | Bald Cypress | OBL |
| Ulmus americana | American Elm | FACV |
| PLANT LIST: Secondary Species | | |
| Acer glabrum | Box Elder | FAC+ Thicket forming |
| Acer rubrum | Red Maple | FAC |
| Betula alleghaniensis | Yellow Birch | FAC prefers cool, moist conditions |
| Carya cordiformis | Swamp Hickory | FACU |
| Celtis occidentalis | Hackberry | FACU Tolerates occasional flooding, can sprout in deep shade |
| Liquidambar styraciflua | Sweetgum | FAC |
| Nyssa sylvatica | Black Gum | FAC |
| Pinus taeda | Loblolly Pine | FAC+ |
| Populus deltoides | Eastern Cottonwood | FAC |
| Quercus nigra | Water Oak | FAC |
| Quercus phellos | Willow Oak | FAC |

NOTE: Wetland indicator status taken from the State of Maryland - NWPL Final Draft Ratings 2012. U.S. Army Corps of Engineers - Cold Regions Research and Engineering Laboratory (CRREL).

Planting With Dibble Bar

Seedling Planting Techniques

Seedling and Whip Planting

Correct and Incorrect Planting Depth

Mattock Planting

Seedling and Whip Planting Techniques

PLANTING SPECIFICATION NOTES

1. QUANTITY: SEE PLANT SCHEDULE.

2. TYPE: SEE PLANT SCHEDULE.

3. PLANT QUALITY STANDARDS: THE PLANTS SELECTED SHALL BE HEALTHY AND STURDY REPRESENTATIVES OF THEIR SPECIES. SEEDLINGS SHALL HAVE A MINIMUM TOP GROWTH OF 18" THE DIAMETER OF THE ROOT COLLAR (THE PART OF THE ROOT JUST BELOW GROUND LEVEL) SHALL BE AT LEAST 3/8" THE ROOTS SHALL BE WELL DEVELOPED AND AT LEAST 8" LONG. NO MORE THAN TWENTY-FIVE PERCENT (25%) OF THE ROOT SYSTEM (BOTH PRIMARY AND AUXILIARY/FIBROUS ROOTS) SHALL BE PRESENT.

PLANTS THAT DO NOT HAVE AN ABUNDANCE OF WELL DEVELOPED TERMINAL BUDS ON THE LEADERS AND BRANCHES SHALL BE REJECTED.

PLANTS THAT DO NOT HAVE AN ABUNDANCE OF WELL DEVELOPED TERMINAL BUDS ON THE LEADERS AND BRANCHES SHALL BE REJECTED.

IF THE PLANTS CANNOT BE PLANTED IMMEDIATELY AFTER DELIVERY TO THE REFORESTATION SITE, THEY SHALL BE STORED IN THE SHADE WITH THEIR ROOT MASSES PROTECTED FROM THE DIRECT EXPOSURE TO SUN AND WIND BY THE USE OF STRAW, PEAT MOSS, COMPOST, OR OTHER SUITABLE MATERIAL AND SHALL BE MAINTAINED THROUGH PERIODIC WATERING, UNTIL THE TIME OF PLANTING.

4. PLANT HANDLING: THE QUANTITY OF SEEDLINGS TAKEN TO THE FIELD SHALL NOT EXCEED THE QUANTITY THAT CAN BE PLANTED IN A DAY. SEEDLINGS, ONCE REMOVED FROM THE NURSERY OR TEMPORARY STORAGE AREA SHALL BE PLANTED IMMEDIATELY.

5. TIMING OF PLANTING: THE BEST TIME TO PLANT SEEDLINGS IS WHILE THEY ARE DORMANT, PRIOR TO SPRING BUDDING. THE MOST SUITABLE MONTHS FOR PLANTING ARE MARCH AND APRIL, WHEN THE SOIL IS MOIST, BUT MAY BE PLANTED FROM MARCH THROUGH NOVEMBER. NO PLANTING SHALL BE DONE WHILE GROUND IS FROZEN. PLANTING SHALL OCCUR WITHIN ONE GROWING SEASON OF THE ISSUANCE OF GRADING/BUILDING PERMITS AND/OR REACHING THE FINAL GRADES AND STABILIZATION OF PLANTING AREAS.

6. SEEDLING PLANTING: TREE SEEDLINGS SHALL BE HAND PLANTED USING A DIBBLE BAR OR SHARP-SHOOTER SHOVEL. IT IS IMPORTANT THAT THE SEEDLING BE PLACED IN THE HOLE SO THAT THE ROOTS CAN SPREAD OUT NATURALLY; THEY SHOULD NOT BE TWISTED, BALLED UP OR BENT. MOIST SOIL SHOULD THEN BE PACKED FIRMLY AROUND THE ROOTS. SEEDLINGS SHOULD BE PLANTED AT A DEPTH WHERE THEIR ROOTS LIE JUST BELOW THE GROUND SURFACE. AIR POCKETS SHOULD NOT BE LEFT AFTER CLOSING THE HOLE WHICH WOULD ALLOW THE ROOTS TO DRY OUT. SEE PLANTING DETAILS FOR FURTHER EXPLANATION. IF THE CONTRACTOR WISHES TO PLANT BY ANOTHER METHOD, THE PREPARE OF THIS TREE CONSERVATION PLAN MUST BE CONTACTED AND GIVEN HIS APPROVAL BEFORE PLANTING MAY BEGIN.

7. SPACING: SEE PLANT SCHEDULE AND/OR PLANTING PLAN FOR SPACING REQUIREMENTS ALSO REFER TO THE PLANTING LAYOUT DETAIL FOR A DESCRIPTION OF THE GENERAL PLANTING THEORY.

8. SOIL UPON THE COMPLETION OF ALL GRADING OPERATIONS, A SOIL TEST SHALL BE CONDUCTED TO DETERMINE WHAT SOIL PREPARATION AND SOIL AMENDMENTS, IF ANY, ARE NECESSARY TO CREATE GOOD TREE GROWING CONDITIONS. SOIL SAMPLES SHALL BE TAKEN AT A RATE THAT PROVIDES ONE SOIL SAMPLE FOR EACH AREA THAT APPEARS TO HAVE A DIFFERENT SOIL TYPE (IF THE ENTIRE AREA APPEARS UNIFORM, THEN ONLY ONE SAMPLE IS NECESSARY), AND SUBMITTED FOR TESTING TO A PRIVATE COMPANY. THE COMPANY OF CHOICE SHALL MAKE RECOMMENDATIONS FOR IMPROVING THE EXISTING SOIL. THE SOIL WILL BE TESTED AND RECOMMENDED FOR CORRECTIONS OF SOIL TEXTURE, pH, MAGNESIUM, PHOSPHORUS, POTASSIUM, CALCIUM, AND ORGANIC MATTER.

9. SOIL IMPROVEMENT MEASURES: THE SOIL SHALL BE IMPROVED ACCORDING TO THE RECOMMENDATIONS MADE BY THE TESTING COMPANY.

10. FENCING AND SIGNAGE: FINAL PROTECTIVE FENCING SHALL BE PLACED ON THE VISIBLE AND/OR DEVELOPMENT SIDE OF PLANTING AREAS. THE FINAL PROTECTIVE FENCE SHALL BE INSTALLED UPON COMPLETION OF PLANTING OPERATIONS UNLESS IT WAS INSTALLED DURING THE INITIAL STAGES OF DEVELOPMENT. SIGNS SHALL BE POSTED PER THE SIGNAGE DETAIL ON THIS SHEET.

11. PLANTING METHOD: CONSULT THE PLANTING DETAILS SHOWN ON THIS PLAN.

12. MULCHING: APPLY TWO-INCH THICK LAYER OF WOODCHIP OR SHEPDED HARDWOOD MULCH (AS NOTED) TO EACH PLANTING SITE (SEE DETAIL SHOWN ON THIS PLAN).

13. GROUND COVER ESTABLISHMENT: THE REMAINING DISTURBED AREA BETWEEN SEEDLING PLANTING SITES SHALL BE SEEDED AND STABILIZED WITH WHITE CLOVER SEED AT THE RATE OF 5 LBS/ACRE.

14. MOWING: NO MOWING SHALL BE ALLOWED IN ANY PLANTING AREA.

15. SURVIVAL CHECK FOR BOND RELEASE: THE SEEDLING PLANTING IS TO BE CHECKED AT THE END OF EACH YEAR FOR FOUR YEARS TO ASSURE THAT NO LESS THAN 75% OF THE ORIGINAL PLANTED QUANTITY SURVIVES. IF THE MINIMUM NUMBER HAS NOT BEEN PROVIDED, THE AREA MUST BE SUPPLEMENTED WITH ADDITIONAL SEEDLINGS TO REACH THE REQUIRED NUMBER AT TIME OF PLANTING.

SOURCE OF SEEDLINGS: Environmental Concern, Inc. 201 Boundary Lane P.O. Box P St. Michaels, MD 21663 410-745-3620

Undisturbed Soil

Disturbed Soil

Planting on Slope

Container Grown and B&B Planting Techniques

FOUR-YEAR MANAGEMENT PLAN FOR REFORESTATION/AFFORESTATION AREAS

FIELD CHECK THE RE-AFFORESTATION AREA ACCORDING TO THE FOLLOWING SCHEDULE:

YEAR 1:

1. SITE PREPARATION AND TREE PLANTING

SURVIVAL CHECK ONCE ANNUALLY (SEPTEMBER-NOVEMBER) SEE NOTE 1

WATERING IF NEEDED (2X MONTH)

CONTROL OF UNDESIRABLE VEGETATION AS NEEDED (1X IN JUNE AND 1X IN SEPTEMBER/MIN)

YEAR 2-3:

REINFORCEMENT PLANTING IF NEEDED (SEE NOTE 2)

SURVIVAL CHECK ONCE ANNUALLY (SEPTEMBER-NOVEMBER)

CONTROL OF UNDESIRABLE VEGETATION IF NEEDED (1X IN MAY AND 1X IN AUGUST/MIN)

YEAR 4:

REINFORCEMENT PLANTING IF NEEDED (SEE NOTE 2)

SURVIVAL CHECK IF NEEDED

OFF-SITE WOODLAND CONSERVATION

PRIOR TO THE ISSUANCE OF THE PERMIT FOR THE DEVELOPMENT SHOWN ON THIS TCP2, ALL OFF-SITE WOODLAND CONSERVATION REQUIRED BY THE PLAN SHALL BE IDENTIFIED ON AN APPROVED TCP2 PLAN AND RECORDED AS AN OFF-SITE EASEMENT IN THE LAND RECORDS OF PRINCE GEORGES COUNTY. PROOF OF RECORDATION OF THE OFF-SITE CONSERVATION SHALL BE PROVIDED TO THE M-NCPPC PLANNING DEPARTMENT PRIOR TO ISSUANCE OF ANY PERMIT FOR THE ASSOCIATED PLAN.

POST DEVELOPMENT NOTES

IF THE DEVELOPER OR DIBBLER NO LONGER HAS AN INTEREST IN THE PROPERTY AND THE NEW OWNER DESIRES TO REMOVE A HAZARDOUS TREE OR PORTION THEREOF THE NEW OWNER SHALL OBTAIN A WRITTEN STATEMENT FROM A CERTIFIED ARBORIST OR LICENSED TREE EXPERT IDENTIFYING THE HAZARDOUS CONDITION AND THE PROPOSED CORRECTIVE MEASURES PRIOR TO HAVING THE WORK CONDUCTED. AFTER PROPER DOCUMENTATION HAS BEEN COMPLETED FOR THE HANDOUT GUIDANCE FOR PRINCE GEORGES COUNTY PROPERTY OWNERS, PRESERVATION OF WOODLAND AND CONSERVATION AREAS, THE ARBORIST OR TREE EXPERT MAY THEN REMOVE THE TREE. 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.

IF A TREE OR PORTIONS THEREOF ARE IN IMMINENT DANGER OF STRIKING A STRUCTURE, PARKING AREA, OR OTHER HIGH USE AREA AND MAY RESULT IN PERSONAL INJURY OR PROPERTY DAMAGE, THEN THE CERTIFICATION IS NOT REQUIRED AND THE PERMITEE SHALL TAKE CORRECTIVE ACTION IMMEDIATELY. THE CONDITION OF THE AREA SHALL BE FULLY DOCUMENTED THROUGH PHOTOGRAPHY PRIOR TO CORRECTIVE ACTION BEING TAKEN. THE PHOTOS SHALL BE SUBMITTED TO THE INSPECTOR FOR DOCUMENTATION OF THE DAMAGE.

TREE WORK TO BE COMPLETED WITHIN A ROAD RIGHT-OF-WAY REQUIRES A PERMIT FROM THE MARYLAND DEPARTMENT OF NATURAL RESOURCES UNLESS THE TREE REMOVAL IS SHOWN WITHIN THE APPROVED LIMITS OF DISTURBANCE ON A TCP2. THE WORK IS REQUIRED TO BE CONDUCTED BY A LICENSED TREE EXPERT.

b. THE REMOVAL OF NOXIOUS, INVASIVE, AND NON-NATIVE PLANT SPECIES FROM ANY WOODLAND PRESERVATION AREA SHALL BE DONE WITH THE USE OF HAND-HELD EQUIPMENT ONLY (PRUNERS OR A CHAIN SAW). THESE PLANTS MAY BE CUT NEAR THE GROUND AND 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 INCHES DIAMETER SHALL BE CUT TO ALLOW CONTACT WITH THE GROUND, THUS ENCOURAGING RECOMPOSITION.

c. THE USE OF BROADCAST SPRAYING OF HERBICIDES IS NOT PERMITTED. HOWEVER, THE USE OF HERBICIDES TO DISCOURAGE RE-SPROUTING 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.

d. 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 INDIVIDUAL HOMEOWNERS

a. REFORESTATION FENCING AND SIGNAGE SHALL REMAIN IN PLACE IN ACCORDANCE WITH THE APPROVED TYPE 2 TREE CONSERVATION PLAN.

b. REFORESTATION AREAS SHALL NOT BE MOWED; HOWEVER, THE MANAGEMENT OF COMPETING VEGETATION AND REMOVAL OF NOXIOUS, INVASIVE, AND NON-NATIVE VEGETATION ALONG INDIVIDUAL TREES IS ACCEPTABLE.

AXIOM Engineering Design

Civil Engineering • Land Surveying • Landscape Architecture • Land Planning

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THIS PLAN COMPLIES WITH THE CURRENT REQUIREMENTS OF THE M-NCPPC TREE CONSERVATION TECHNICAL MANUAL (TCP2).

DATE: 12/12/14

BY: [Signature]

REVISIONS

ADD WATERLINE & REUSE BED & LOT AREAS

APPLICANT / OWNERS: THE WHITEHOUSE ROAD LIMITED PARTNERSHIP

1615 N STREET, NW, WASHINGTON, DC 20036 (202) 462-6500

TYPE 2 TREE CONSERVATION PLAN DETAILS

SCALE: NTS

DATE: 12.12.13

DESIGN: LET

DRAWN: LET

REVIEWED: LNG

PROJECT #: 11-0010.01

SHEET No: 10 OF 10