

Village of Glenview



Tree Standards Manual

INTRODUCTION

This Tree Standards Manual is provided in support of the Village of Glenview Tree Preservation Ordinance Number 4235. It is intended to define and clarify specific requirements identified in the ordinance. The manual is formatted to allow for easy reference depending on the needs of the user.

The manual contains numerous forms. The user may duplicate any of the forms as necessary in order to complete required submittals.

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SECTION I

TREE REMOVAL ONLY

SECTION I-A INSTRUCTION

This section is to be used if the applicant desires to remove one or more trees and there is no other work proposed. There may be several reasons to request the removal of a tree. A tree may be dead, diseased, or dangerous. In these instances, the applicant, if unfamiliar with diagnosing these conditions, should submit an opinion by a Certified Village Arborist. The applicant may want to remove a tree that he or she considers a nuisance or unattractive. Whatever the reason, it must be clearly stated in the appropriate place on the permit application form.

The applicant should obtain a permit application form and submit the completed form to the Community Development Department at Village Hall, 1225 Waukegan Road. The application will be reviewed and processed as noted in this section.

Based on the review of a Certified Village Arborist, the applicant may be required to replace the tree(s) or provide a fee in lieu of replacement. The requirements for tree replacement are detailed in Section II of this manual.

SECTION I-B Notification

The Certified Village Arborist will inspect the tree requested for removal. If the Certified Village Arborist approves the application and replacement trees are not required the tree removal permit will be left onsite at the time of inspection. If the approval of the permit requires replacement trees, then the applicant must deposit an escrow equal to the value of the replacement trees before the permit will be approved and issued.



The Village of Glenview

TREE REMOVAL PERMIT APPLICATION

ONLY APPLIES TO TREES 16 INCHES IN DIAMETER OR MORE

APPLICATION #: _____

Site Address:
Property Owner:
Contact Phone:

SPECIES	REASON FOR REMOVAL	LOCATION OF TREE
Tree 1:		
Tree 2:		
Tree 3:		
Tree 4:		

TREE REMOVAL CONTRACTOR:

ALL NEW CONSTRUCTION INVOLVING TREE REMOVAL: A TREE PRESERVATION PLAN INDICATING LOCATION OF TREES TO BE REMOVED MUST BE PROVIDED

For Office Use Only

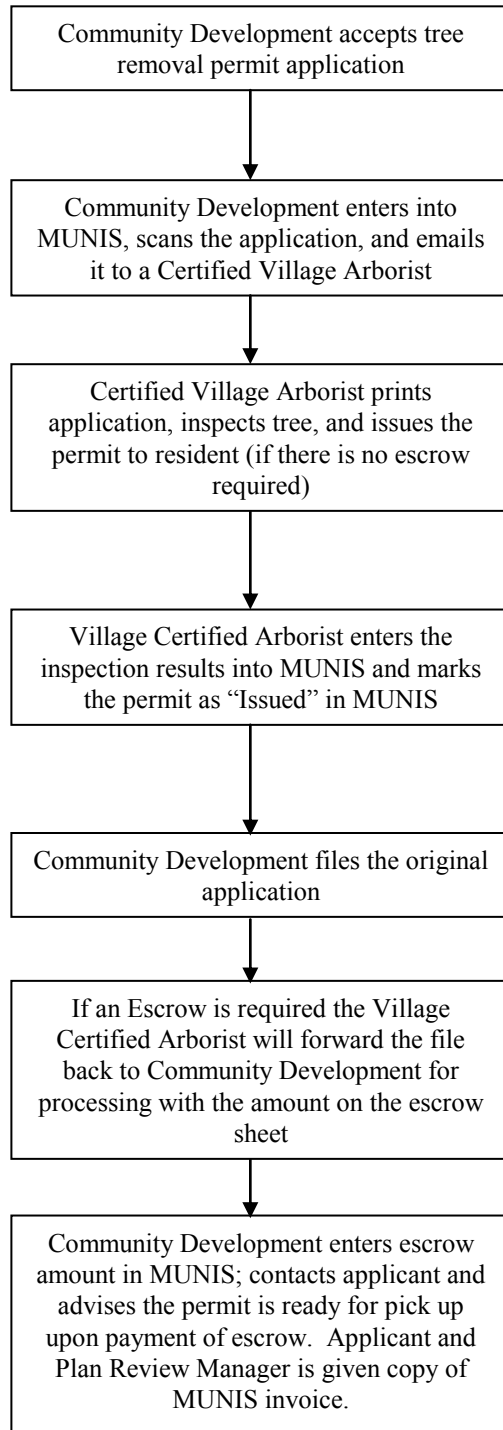
**PERMIT
ISSUED →
ON SITE**

TREE APPROVED FOR REMOVAL	DATE	INSPECTOR
Tree 1: Size:		
Tree 2: Size:		
Tree 3: Size:		

ESCROW REQUIRED - SEE ATTACHED ESCROW SHEET

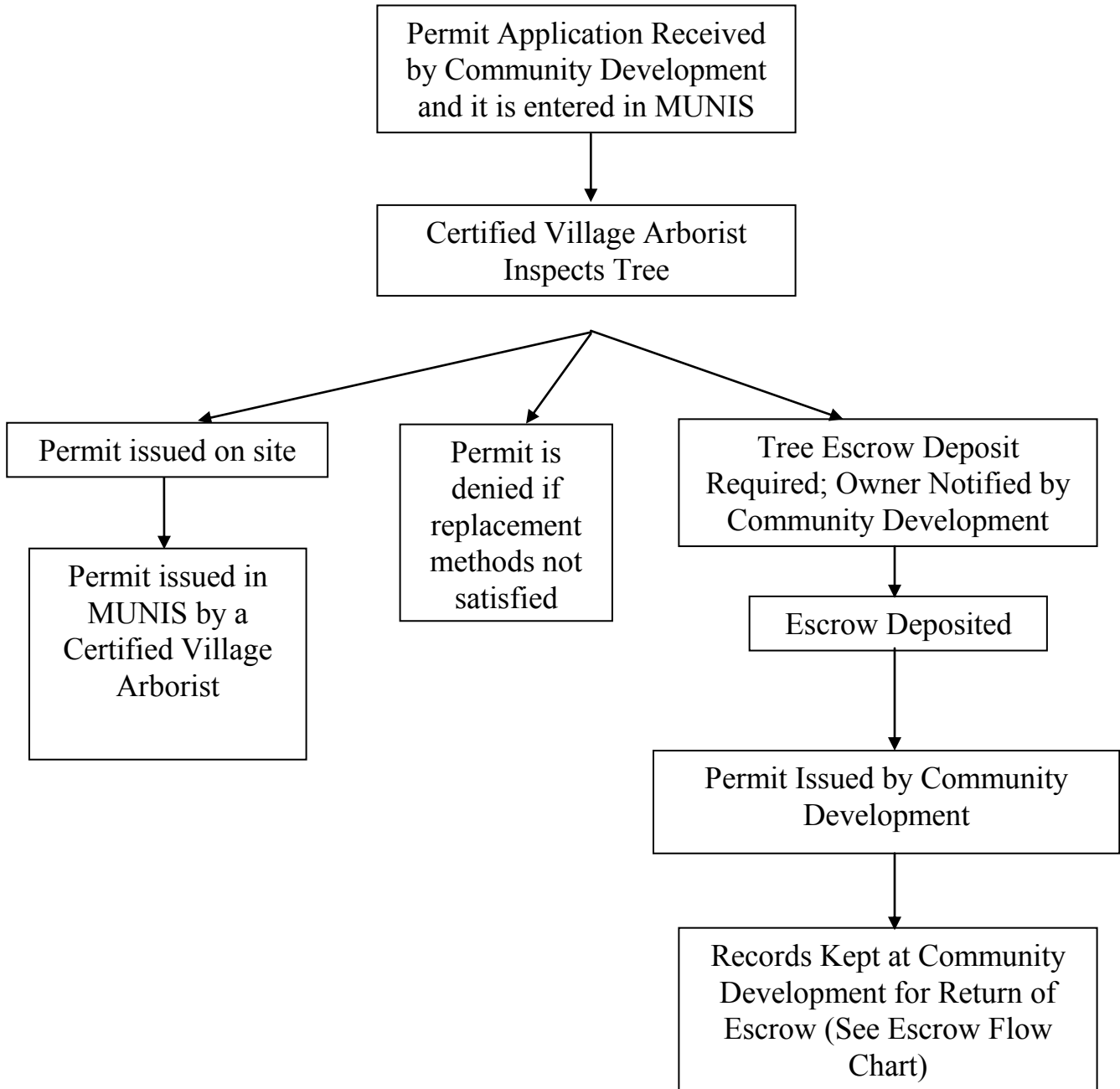
SECTION I - D

TREE PERMIT APPLICATION PROCESS



SECTION I - E

Tree Removal Only



SECTION II

TREE REMOVAL / PRESERVATION IN CONJUNCTION WITH UTILITY WORK

SECTION II-A

INSTRUCTION

Current utility tree removal process is informal – applicant contacts Certified Village Arborist and describes reasons for removal – attempt is made to negotiate to retain the tree, or if this cannot be done, to collect a fine for tree replacement (one-to-one)

This section is to be used by an applicant that is performing or authorizing work on underground utilities that is not being done as a result of other construction work. This work could involve the maintenance or replacement of water lines, sewer lines, electric lines, gas lines, telephone lines, cable television lines, or irrigation lines.

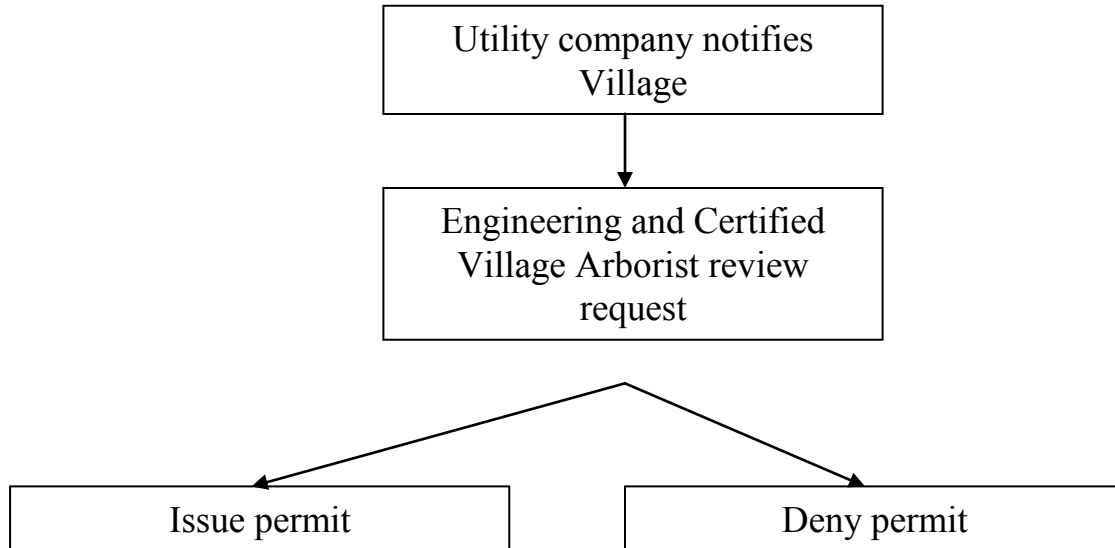
The applicant must provide sufficient drawings, maps, or other information to facilitate a proper review of the request. The information must describe the location of the work, the type of work, and how the work will be done. The applicant must also show trees that may be impacted by the work. For each private tree 16” and larger and all public trees, regardless of size, the applicant must show the tree:

- a) location
- b) species
- c) trunk diameter DBH (diameter breast height)
- d) condition (see Section IV - G – Tree Classification)
- e) critical root zone – circle around the trunk of the tree with a radius of one foot (1’) for each one inch (1”) of tree diameter (DBH)

Based on the review of the Certified Village Arborist, the applicant will be required to replace the impacted tree(s) or provide a fee in lieu of replacement for any tree which cannot be saved due to the proposed utility work. The Director of Public Works has the right to waive the tree replacement requirements.

SECTION II - B

Tree on Site with Utility Work



SECTION III

TREE REMOVAL / PRESERVATION IN CONJUNCTION WITH CONSTRUCTION/BUILDING PERMIT

SECTION III – A

INSTRUCTION

This section is to be used by an applicant that is seeking to subdivide land, demolish existing structures, or build on a single lot. The applicant must comply with Village Ordinances, and the Village of Glenview Community Development Application Guidelines, the Village of Glenview Subdivision and Engineering Guidelines and the Village of Glenview Tree Standards Manual.

All required plans submitted in conjunction with this section must contain, on the face of the plan, the appropriate certification statement, plan notes, details, and action plan. Samples of these items are provided in this section.

The applicant that is seeking a permit for the demolition of an existing structure and the building of a new structure may, depending on site conditions, work timing, and the trees involved, be able to combine the demolition plan and the construction plan. In most instances, however, two separate plans will be necessary.

The applicant should obtain the necessary permit application forms and submit the completed forms to the Community Development Department at Village Hall, 1225 Waukegan Road, Glenview, IL 60025. The applications will be reviewed and process as noted in this section.

Based on the review of the Certified Village Arborist, the applicant may be required to replace the impacted tree(s) or provide a fee in lieu of replacement. The requirements for tree replacement are detailed in Section IV of this manual.

SECTION III B

TREE INVENTORY REQUIREMENTS

All applicants submitting permit applications under this section must provide a detailed inventory of existing trees. For each private tree 16" DBH and larger and all public trees, regardless of size, the applicant must show tree species, size (DBH), condition, critical root zone, location and any observed problems. The condition will be based on a 1 to 6 rating system that is detailed in the Condition Rating Scale provided in this section. The Certified Village Arborist will verify this information during the site review portion of the review process.

SECTION III - C

SUBDIVISION OF LAND

Applicants that are seeking the subdivision of land must comply with Village Ordinances and the Village of Glenview Community Development Department Application Guidelines and the Village of Glenview Subdivision and Engineering Guidelines. For compliance with the Village of Glenview Tree Preservation Ordinance, each private tree 16" DBH and larger and all public trees, regardless of size, must be inventoried as specified in this section and shown on the site engineering drawings to include the following:

- (a) location
- (b) species
- (c) trunk diameter DBH (diameter breast height)
- (d) condition
- (e) critical root zone - a circle around the trunk of the tree with a radius of one foot (1') for each one inch (1") of tree diameter DBH.
- (f) Tree protection fence and silt fence
- (g) Action plan

Details for tree protection fence, and the action plan format are provided in this section.

SECTION III - D

DEMOLITION OF EXISTING STRUCTURES

Applicants that are seeking a demolition permit **only** must comply with Village Ordinances and the Village of Glenview Community Development Department

Application Guidelines and the Village of Glenview Subdivision and Engineering Guidelines. For compliance with the Village of Glenview Tree Preservation Ordinance, the applicant must provide sufficient drawings including existing topography and other information to facilitate a proper review of the request. The information must describe the location of the work, the type of work, and how the work will be done. The applicant must show trees that may be impacted by the work. Each private tree 16" DBH and larger and all public trees, regardless of size, must be inventoried as specified in this section and shown on the drawings to include the following:

- (a) location
- (b) species
- (c) trunk diameter DBH (diameter breast height)
- (d) condition
- (e) critical root zone - a circle around the trunk of the tree with a radius of one foot (1') for each one inch (1") of tree diameter DBH.
- (f) Tree protection fence and silt fence
- (g) Action plan

Details for tree protection fence, silt fence, and the action plan format are provided in this section.

Applicants that are seeking a demolition permit **in conjunction with a building permit** must comply with Village Ordinances and the Village of Glenview Community Development Department Application Guidelines and the Village of Glenview Subdivision and Engineering Guidelines. For compliance with the Village of Glenview Tree Preservation Ordinance, the applicant must also comply with the requirements in the following section for Individual Lots.

SECTION III - E

INDIVIDUAL LOTS

As a precondition to the issuance of a building permit, an applicant is required to submit a Site Development Plan that includes tree preservation, grading, drainage and erosion control measures, access points and tree protection plan with trees identified.

NOTE: The applicant should also be aware that the site landscaping should complement the natural environment and should not negatively impact protected trees.

The following outline is a general description of the order in which the applicant should proceed.

SECTION III - F

SITE DEVELOPMENT PLAN

PLAN FORMAT

- A. Scale: The plan should be drawn at a scale of no less than one inch equals twenty feet (1"=20').
- B. Size: The drawing size of the plan shall be twenty-four inches by thirty-six inches (24"x36"). The following must appear on the plan:
 1. Lot size
 2. Lot number
 3. Common address
 4. Certification
 5. Plan notes

REQUIREMENTS OF THE SITE DEVELOPMENT PLAN

- A. Tree Preservation: The following items must be on the plan that is submitted for staff review. The Village may provide that the tree survey exclude those portions of the site that it determines will not be affected by development activity.
 1. For each private tree 16" and larger and all public trees, regardless of size, the Plan shall show:
 - (a) location
 - (b) species
 - (c) trunk diameter DBH (diameter at breast height)
 - (d) condition
 - (e) critical root zone - a circle around the trunk of the tree with a radius of one foot (1') for each one inch (1") of tree diameter (DBH).
 2. The plan shall distinguish between:
 - (a) existing trees that are proposed to be:
 - (1) preserved at their present location
 - (2) destroyed
 - (3) relocated
 - (4) replaced

3. Construction envelope - Identify locations of the required tree protection/construction envelope and erosion control fencing on the plan.
 - (a) The tree protection/construction envelope fencing must run continuously along the frontage from property line to property line to completely separate the construction area and the vegetation that remains close to the construction site.
 - (b) Separate fencing may be required for identifying conservation easements. This fencing must connect to the construction envelope fencing, a property line, or completely enclose the sensitive areas.
 - (c) Limits of construction will be staked by the developer and reviewed in the field by the Community Development Inspector and Certified Village Arborist prior to any clearing or site work.

NOTE: All tree protection fencing will remain in place until the time of finish grading and landscaping and can only be removed upon review and approval by the Certified Village Arborist.

4. The specific pre-construction measures, including but not limited to auguring, root pruning, crown reduction, overhead clearance pruning, and mulching that are to be taken to minimize construction impact on those trees remaining on the site shall be determined by the Certified Village Arborist.
5. Indicate areas for the storage of spoil or materials on the plan. The Site Development Plan shall be prepared by either a registered engineer or a registered land surveyor licensed by the State. ,
6. Projects subject to Final Site Plan Review – In conjunction with the Plan Commission’s Final Site Plan Review process additional information regarding private trees less than 16 DBH may be

required to confirm that existing mature trees are maintained to the maximum extent possible.

7. The Engineering Standards Manual can be found on the Village website at www.glenview.il.us.

SECTION III - G

SITE PREPARATION-PRECONSTRUCTION

A. Tree Removal/Protection

1. Obtain a Building Permit and tree removal permit.
2. Clear the site of trees indicated for removal on the approved Site Development Plan and perform root pruning, crown reduction, auguring and all other measures as required on the approved plan.
3. Erect tree protection fencing and silt fencing in accordance with the approved site development plan.

B. Site Visit

A site visit by the Certified Village Arborist or Village inspector is again required after the above items have been completed and before construction can begin.

SECTION III - H
VIOLATIONS OF APPROVED SITE DEVELOPMENT PLAN

If violations of the approved Site Development Plan are observed, the Village Inspector or his/her designee **may** issue a stop work order. Work will not be resumed until the violation has been corrected to the satisfaction of the Certified Village Arborist. The Certified Village Arborist may require specific remedial action.

SECTION III - I
CERTIFICATION STATEMENT, PLAN NOTES, DETAILS, AND ACTION PLAN

All properly completed plans must contain, on the face of the plan, a properly completed Statement of Certification, a properly completed action plan, and the applicable plan notes and details. Samples of these items are provided in this section.

SECTION III - J
PLAN SUBMITTAL CHECKLIST

When the applicant obtains the Permit Application Form, a Plan Submittal Checklist will be attached. This checklist must be completed and returned with the completed Permit Application Form to the Community Department at Village Hall, 1225 Waukegan Road. A sample Plan Submittal Checklist is provided in this section.

SECTION III - K
INTERIOR REMODELING ONLY

Applicants that are seeking a permit for interior remodeling only will not be required to comply with the site plan requirements provided the general contractor for the project completes and returns a guarantee statement with the permit application. A sample of this statement is provided in this section.

SECTION III - L
PLAN REVIEW

Upon completion of the site and plan review, the Certified Village Arborist will notify IS/Community Development Department of the outcome of the review and any specific conditions or comments. If the approval of the permit requires replacement trees, then

the applicant must complete an escrow deposit before a permit is approved. The Community Development Department will process the application in accordance with the requirements of the Certified Village Arborist. The applicant may contact the Building Department to determine the status of the application. .

SECTION III - M

Condition Rating Scale

The condition of the trees shall be based on a six (6) point scale with one (1) being the best and six (6) being the worst.

<u>Rating</u>	<u>Description</u>	<u>General Criteria</u>
1	Excellent	The tree is typical of the species, has less than 10% deadwood in the crown that is attributable to normal causes, has no other observed problems, and required no remedial action.
2	Good to Fair	The tree is typical of the species and/or has less than 20% deadwood in the crown, only one or two minor problems that are easily corrected with normal care.
3	Fair	The tree is typical of the species and/or has less than 30% deadwood in the crown, one or two minor problems that are not eminently lethal to the tree, and no significant decay or structural problems, but the tree must have remedial care above normal care in order to minimize the impact of future stress and to insure continued health.
4	Fair to Poor	The tree is not typical of the species and/or has significant problems such as 30-50% deadwood in the crown, serious decay or structural defect, insects, disease or other problems that can be eminently lethal to the tree or create a hazardous tree if not corrected in a short period of time or if the tree is subjected to additional stress.
5	Poor	The tree is not typical of the species and/or has over 50% deadwood in the crown, major decay or structural problems, is hazardous or is severely infested with insects, disease, or other problems that even if aggressively corrected would not result in the long term survival of the tree.
6	Dead	Less than 10% of the tree shows signs of life.

SECTION III - N

General Plan Notes

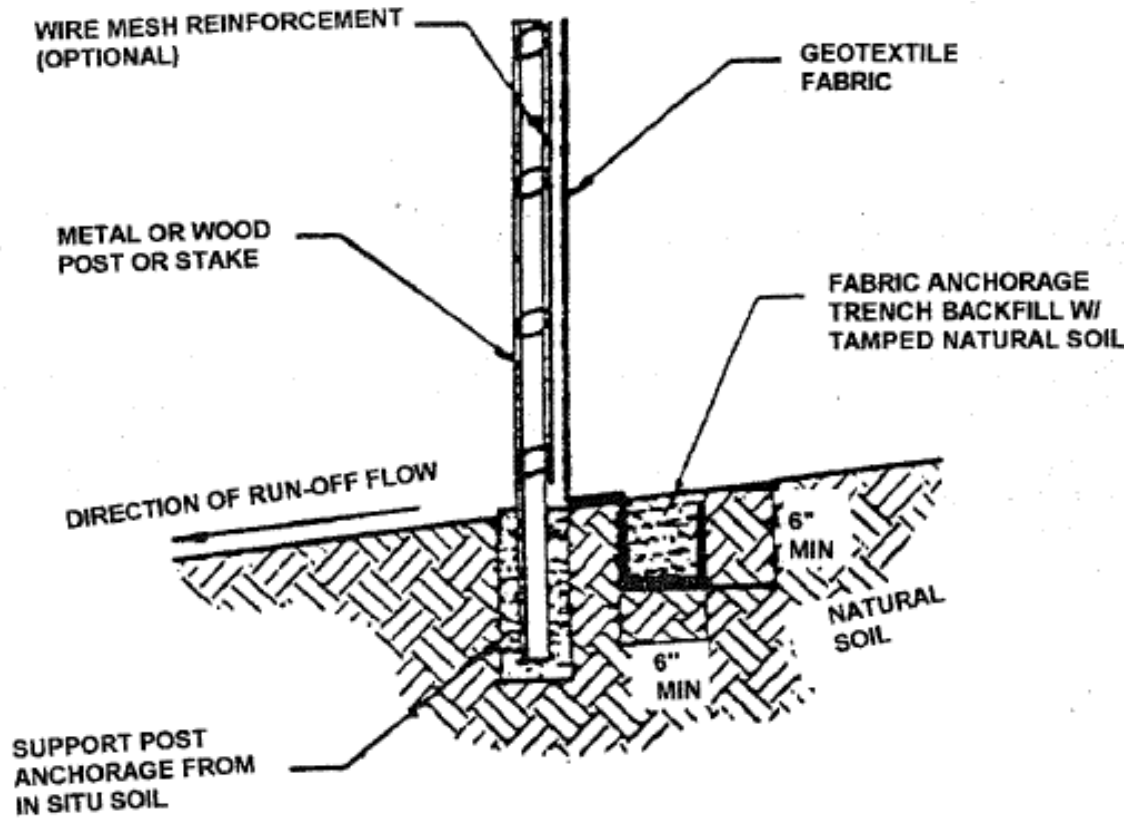
1. Call J.U.L.I.E. for utility locations before digging or tree planting.
2. Prior to commencement of any work on this site, the protective fencing shall be reviewed by the Village Inspectional Services department.
3. All work must be performed according to the approved Demolition/Development/Tree Preservation Plan.
4. An approved Demolition/Development/Tree Preservation Plan must be available on the building site.
5. Stay within designated work access areas shown on the plan.
6. There shall be no grading or filling within the protected critical root zones.
7. No plantings shall obstruct drainage or utility easements.
8. No balled and burlapped plants shall be installed in the critical root zones of protected trees.
9. No equipment shall be driven over or material stored on the critical root zones of protected trees.
10. All new plantings shall conform to the most recently adopted American Standard for Nursery Stock.
11. Tree protection fence and silt fence for all protected trees must be properly maintained throughout construction. Tree fence for protected trees should remain in place throughout construction, except when direct access is necessary. Before entering critical root zone area, check with site supervisor.
12. All required tree and silt fencing shall remain in place until the time of finish grading and landscaping and can only be removed upon review and approval by a Village Inspectional Services Inspector.
13. Attachments (wires, fences, etc.) other than those approved for guying, bracing, or wrapping must not be attached to Landmark/Protected trees.

SECTION III - O

Tree Inventory/Action Plan Description

Tree Description				Classification		Action				
Tree No.	Species	Size	Condition (1-6)	Landmark	Other	Remove	Root Prune	Crown Prune	Fertilize	No Action

SECTION III - P



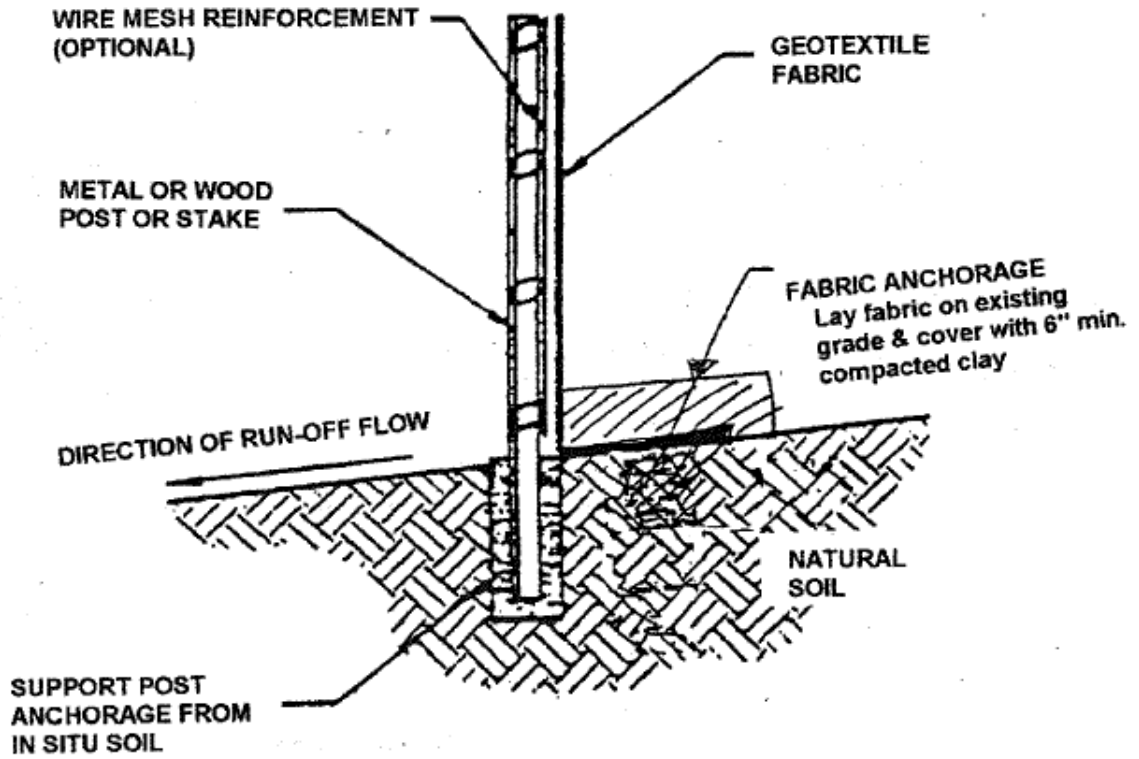
NOTE: DEPENDING UPON CONFIGURATION, ATTACH FABRIC TO WIRE MESH W/ HOG RINGS, STEEL POSTS W/ TIE WIRES, WOOD POSTS W/ NAILS

SILT FENCE DETAIL

TYPE A

To be used in areas that
are *not*
adjacent to tree protection zones

SECTION III - Q



NOTE: DEPENDING UPON CONFIGURATION, ATTACH FABRIC TO WIRE MESH W/ HOG RINGS, STEEL POSTS W/ TIE WIRES, WOOD POSTS W/NAILS

SILT FENCE DETAIL

TYPE B

SECTION III R

Permit No. _____

Village of Glenview
 Tree Preservation Plan
 Submittal Checklist

Applicant/Contact _____ Phone No. (____) _____
 Email _____

Owner _____ Phone No. (____) _____
 Email _____

Address _____ City _____ Zip Code _____

Project Location _____

Submittal No. (circle one) 1 2 3 4 5 Date _____

Applications **will not** be considered for review unless applicable portions of the following checklist are completed in full and all required information (3 copies of the plans) is included.

1. What type of plan are you submitting (check all that apply)

<input type="checkbox"/> Site Plan – New House	<input type="checkbox"/> Deck
<input type="checkbox"/> Site Plan – Addition	<input type="checkbox"/> Patio
<input type="checkbox"/> Demolition	<input type="checkbox"/> Other Describe _____

2. Complete the section(s) below that correspond to the type of plan you are submitting. If any specific items are not applicable, note as N/A. (Your engineer, arborist, or contractor may have to provide most of this information.)

A. SPECIFIC TREE PRESERVATION PLAN DETAILS (Private Property Trees)	Yes	N/A
1. Are 3 copies of the Tree Survey (drawn to scale) showing all Landmark trees and all trees on the site greater than 16" DBH that may be impacted by construction included with the submittal?	<input type="checkbox"/>	<input type="checkbox"/>
2. Is preservation work according to the Glenview Tree Standards Manual?	<input type="checkbox"/>	<input type="checkbox"/>
3. Does the Tree Survey and/or Plan show the following:		

a. Location, condition, species, trunk diameter and critical root zones of all Landmark (Class A trees 16" DBH or greater, Class B trees 20" DBH or greater) <i>and</i> all trees greater than 16" DBH which may be impacted by construction on the lot?	<input type="checkbox"/>	<input type="checkbox"/>
b. Location of protective fencing to be placed on the lot?	<input type="checkbox"/>	<input type="checkbox"/>
c. Specific actions such as root pruning, crown pruning, etc.?	<input type="checkbox"/>	<input type="checkbox"/>
4. Are parties responsible for construction, erection, and maintenance of temporary fencing or other physical barrier around Protected Trees listed in the details?	<input type="checkbox"/>	<input type="checkbox"/>
5. Does tree preservation plan show location, shape and spatial arrangement of all permanent driveways, parking areas, temporary material storage sites, and access ways?	<input type="checkbox"/>	<input type="checkbox"/>
6. Does the Tree Preservation Plan show any new utility services including water, sanitary sewer, storm sewer, gas electric, telephone, and cable TV and any existing utility services which will be removed or modified?	<input type="checkbox"/>	<input type="checkbox"/>
7. Does Tree Preservation Plan show existing and proposed grading of the development area showing elevations with contour lines at one foot (1') intervals if a grading plan is required by some other provision of the Village Code?	<input type="checkbox"/>	<input type="checkbox"/>
8. If trees are to be planted, do tree planting details follow the Glenview Tree Standards and Ordinance #4230 requirements?	<input type="checkbox"/>	<input type="checkbox"/>

B. SPECIFIC TREE PRESERVATION PLAN DETAILS (On or Around Public Trees)		
1. If work is to be performed on or around public trees is tree contractor registered with the Village and has a permit for proposed public tree work been issued?	<input type="checkbox"/>	<input type="checkbox"/>
2. Does Tree Preservation Plan show any new or modification to existing utility services including water, sanitary sewer, storm sewer, gas, electric, telephone, and cable TV which will impact Public trees?	<input type="checkbox"/>	<input type="checkbox"/>
3. Is any excavation part of this project affecting Public Trees?	<input type="checkbox"/>	<input type="checkbox"/>
a. If so, have all attempts been made, such as tunneling to avoid the critical root zones of affected trees?	<input type="checkbox"/>	<input type="checkbox"/>
4. Are any Public trees proposed for removal due to access problems because of construction issues?	<input type="checkbox"/>	<input type="checkbox"/>
5. If parkway trees are to be planted, do tree planting details follow the Glenview Tree Standards requirements?	<input type="checkbox"/>	<input type="checkbox"/>
6. Are all public trees that may be impacted by work on private property properly addressed?	<input type="checkbox"/>	<input type="checkbox"/>

Note: 1. Any person, firm, or corporation that is employed to prune or remove any Public

Tree, Protected Tree or Significant Tree shall be required to register with the Village Permit Clerks in the Community Development Department.

2. A separate permit is required to plant, transplant, treat, prune or remove any Public tree.

3. Statement of Compliance

I have read and understand the above form and verify that it is completed in its entirety.

Owner's Signature _____

Plan Preparer's Signature _____

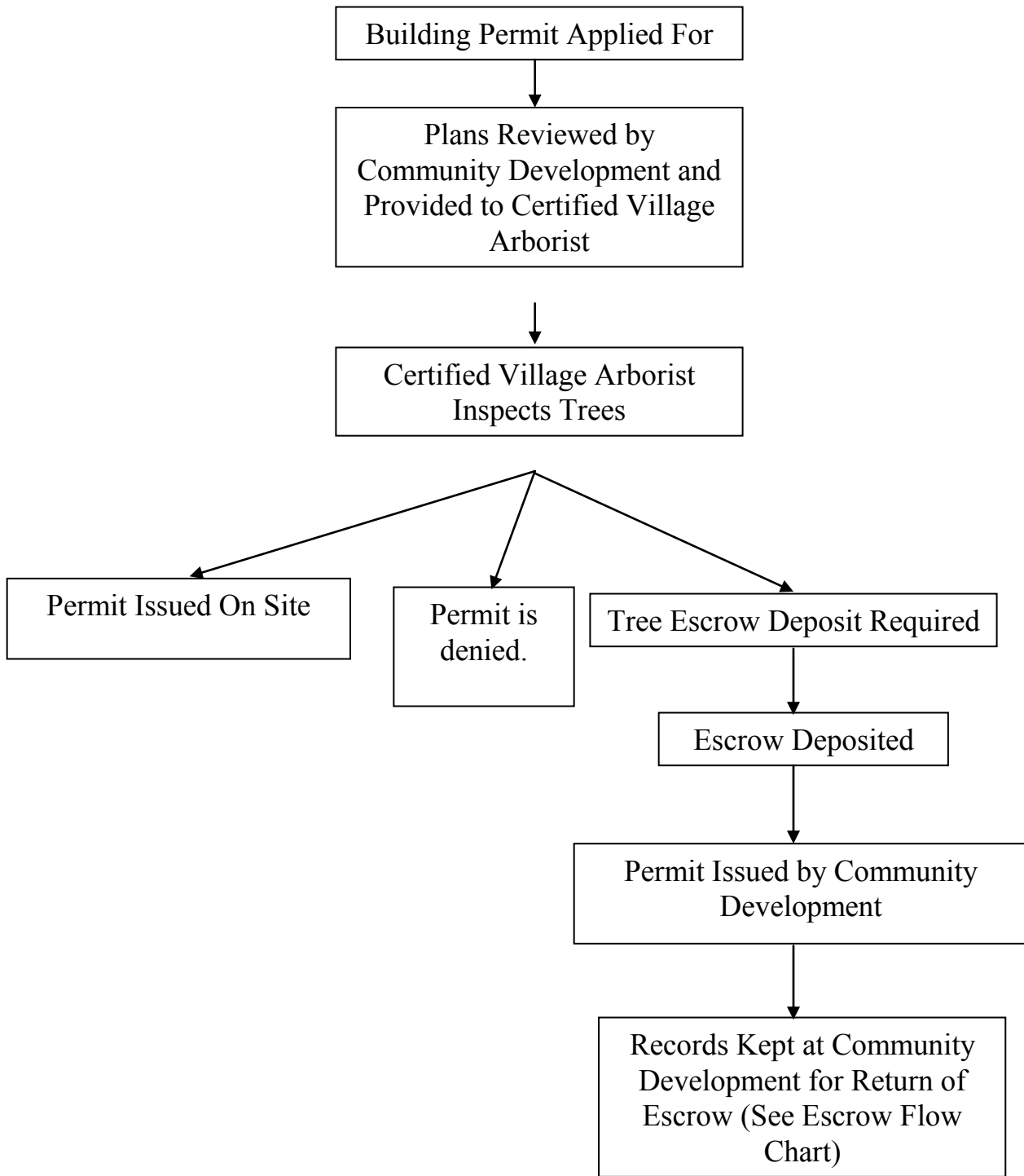
Reviewed by the Village of Glenview:

By: _____ Date: _____

Tree Preservation Plan

SECTION III – S

Tree on Construction Site



SECTION IV

TREE REMOVAL ON PUBLIC PROPERTY

SECTION IV – A

INSTRUCTION

This section is to be used if the applicant desires to remove a tree in the parkway, or if the Village needs to replace trees in the parkway if the tree is dead, diseased, or dangerous.

Tree removal application:

If the applicant would like to remove a parkway tree a tree removal permit form should be completed with the requested reason for removal. The applicant should submit the application form to the Community Development Department at Village Hall, 1225 Waukegan Road. The application will be reviewed and processed as noted in this section. If the tree requested for removal is due to proposed construction activities by the homeowner (widening of driveway, installation of a U-shaped driveway, etc.) there will be a \$1,000 fine plus cost of the tree based on the Diameter at Breast Height to Cross Section (in²) Conversion Table for Fee in Lieu of Tree Replacement. It should be noted that applications will not be approved in all cases and it is recommended that the applicant explore alternate options which would allow the public tree to remain.

Tree removal by Village:

If a tree is inspected by the Certified Village Arborist and it is determined the tree should be removed due to the tree's health there will be no penalty to the resident. Upon the removal of any trees within a residential block (i.e. the address range on a street from 1-99 according to the Village's address grid – e.g. the 2400 block of Main Street), the Village Public Works Department will prepare a parkway tree replacement plan. The plan will include a range of tree species chosen by the Certified Village Arborist from the Parkway Tree Planting Varieties based on the characteristics (e.g. height, shape, canopy, fall color, etc.) of the existing parkway trees along the block.

If less than ten (10) trees in one (1) residential block need to be replaced:

A door hanger will be placed on each affected resident's door and if the resident is interested in providing input on the tree(s) selected in front of their residence, they may contact the Village Public Works Department. The Public Works Department will forward the list of acceptable tree varieties for their block and work with the resident to meet their request. Once time has passed allowing residents to provide input on the tree selection and following the finalization of the parkway tree replacement plan, the tree(s) will be planted by the Public Works Department.

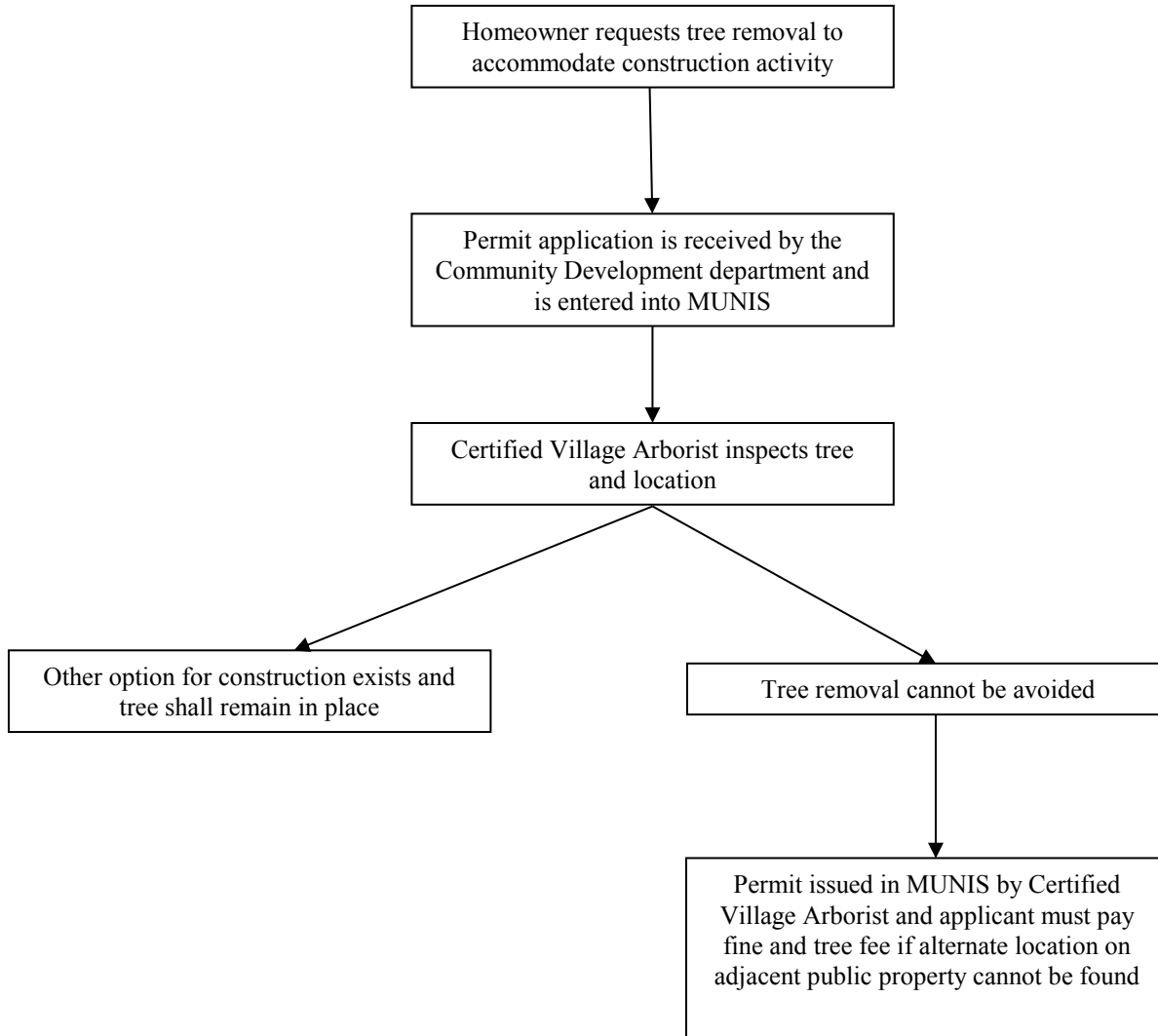
If more than eleven (11) trees in one (1) residential block need to be replaced:

A door hanger will be placed on each affected resident's door and if the resident is interested in providing input on the tree(s) selected in front of their residence, they may contact the Village Public Works Department. The Public Works Department will forward the list of acceptable tree varieties for their block and work with the resident to meet their request. Once time has passed allowing residents to provide input on the tree selection, an updated parkway tree replacement plan would be forwarded to the neighborhood's Homeowner's Association (if in place and active, and the Homeowner's Association chooses to be involved). The Homeowner's Association will be allowed to make suggestions regarding the variety of trees, only if the homeowner does not suggest changes themselves. Once time has passed allowing the Homeowner's Association to provide input on the tree selection and following the finalization of the parkway tree replacement plan, the tree(s) will be planted by the Public Works Department.

Should nearby residents or a Homeowner's Association select the same variety of trees within the same block, Village staff has the discretion to help them select a different variety of tree which displays similar characteristics to the tree originally selected, should they be available.

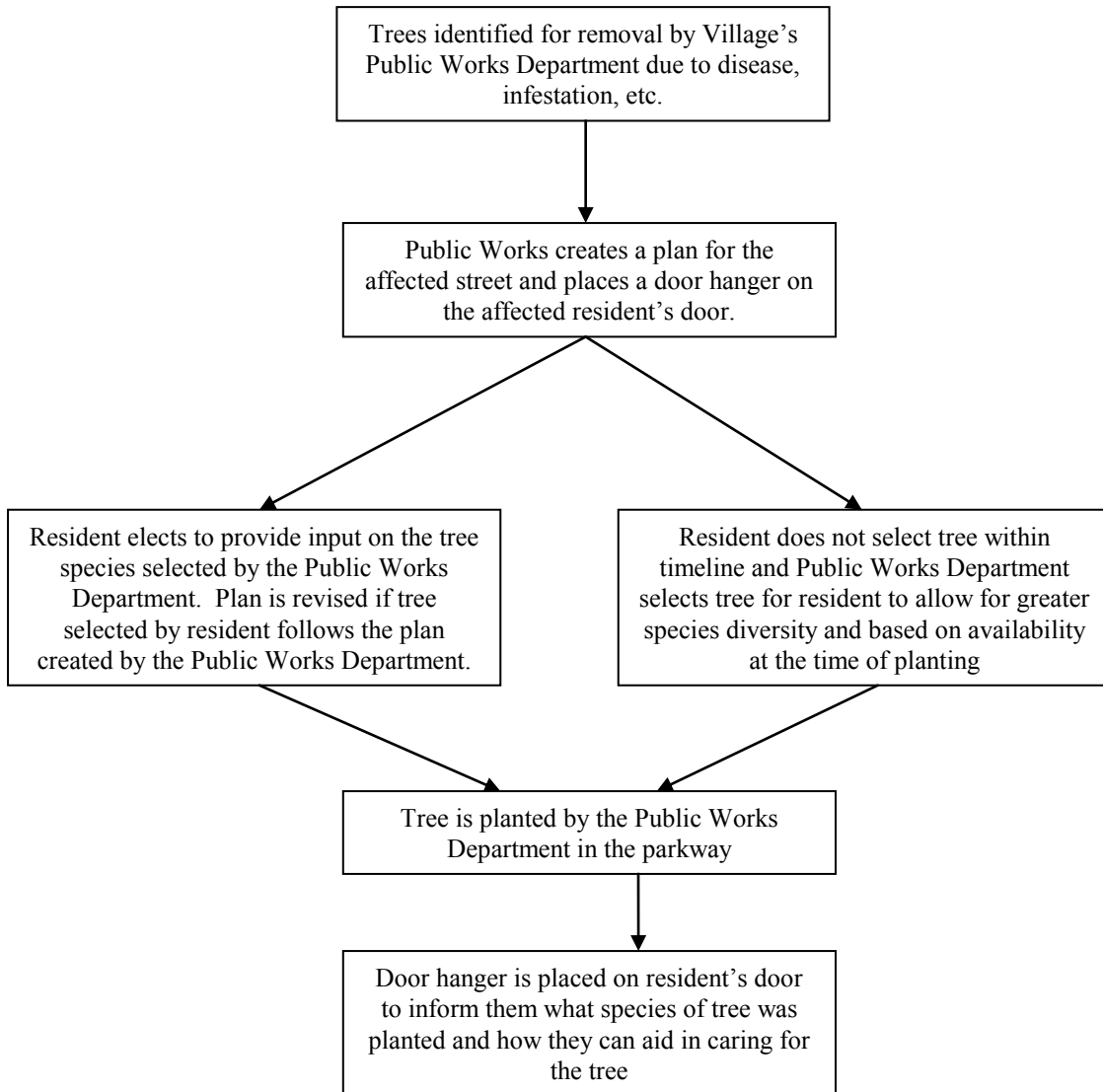
SECTION IV - B

TREE REMOVAL ON PUBLIC PROPERTY AS PART OF A BUILDING PERMIT APPLICATION PROCESS



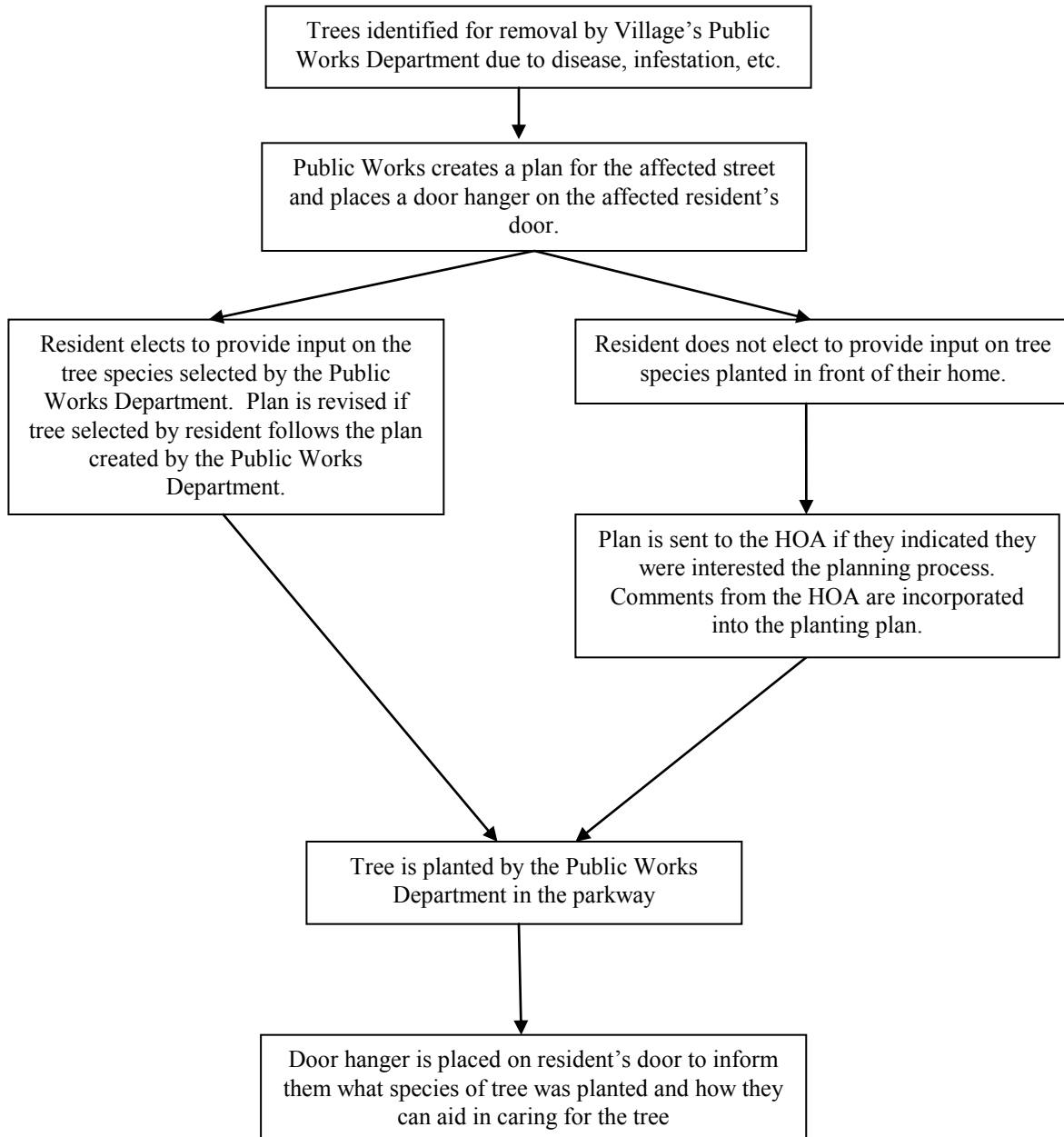
SECTION IV – C

**TREE REMOVAL ON PUBLIC PROPERTY PROCESS
(TEN (10) OR LESS TREES TO BE REPLACED IN ONE (1) RESIDENTIAL
ADDRESS BLOCK)**



SECTION IV - D

**TREE REMOVAL ON PUBLIC PROPERTY PROCESS
(ELEVEN (11) OR MORE TREES TO BE REPLACED IN ONE (1)
RESIDENTIAL ADDRESS BLOCK)**



SECTION V

TREE REPLACEMENT

SECTION V

TREE REPLACEMENT

The Village of Glenview Tree Preservation and Protection Ordinance No. 4253 provides for the mandatory replacement of any landmark tree or public tree that is damaged or removed during the course of a regulated tree activity, except as determined by the Certified Village Arborist. Tree replacement is required regardless of whether the landmark tree that is damaged or removed is located on the same lot on which the regulated tree activity is located.

SECTION V - A

REPLACEMENT REQUIREMENTS AND STANDARDS FOR MAINTENANCE AND PLANTING

Trees shall be replaced based on the species and diameter (DBH) of the tree that was removed or damaged. The minimum caliper (measured 6” above ground line) of replacement trees shall be three inches (3”). All replacement trees shall be selected and planted in accordance with the most recent edition of “American Standard for Nursery Stock” (ANSI Z60.1) as published by the American Association of Nurserymen.

Number of Replacement Trees by Class

Species Class	16”-20” diameter	21”-25” diameter	26”-31” diameter	31”-37” diameter	37” diameter or greater
A	12	14	17	21	24
B	8	9	11	14	16
C	0	6	7	8	9

Replacement trees shall adhere to the following standards for maintenance and planting:

- (1) Trees are recommended to be planted in the right-of-way every 35’.
- (2) Trees shall be regularly inspected for pests in accordance with Best Management Practices recommended by the Illinois Landscape Contractors Association.
- (3) Trees shall be pruned, watered, and have litter removed by the Village in accordance with Best Management Practices recommended by the Illinois Landscape Contractors Association until established.

**SECTION V - B
TREE CLASSIFICATION**

The following four tree value classes are recognized based on their aesthetic and ecological value, rate of growth, and whether they create nuisance conditions:

- (1) A, outstanding quality;
- (2) B, good quality;
- (3) C, moderate quality; and
- (4) N, nuisance.

Trees are classified as follows:

Ailanthus/Tree-of-Heaven	N
Apple	B
Arborvitae	A
Aspen	C
Bald Cypress and Metasequoia	B
Birch	B
Black Locust	C
Box Elder	C
Buckthorn	N
Catalpa	B
Cherry	B
Cottonwood	C
Douglas Fir	B
Elm (native species)	B
English Elm	B
Fir	B
Hackberry	B
Hawthorn	B
Hickory	A
Honey Locust	B
Horse Chestnut and Buckeye	B
Ironwood (Hop Hornbeam)	A
Kentucky Coffee Tree	B
Linden/Basswood	B
Magnolia	B

Mulberry	C
Oak (Red Oak subfamily)	A
Oak (White Oak subfamily)	A
Pines	B
Russian Olive	N
Siberian Elm	C
Silver Maple	C
Spruces	B
Sugar Maple	B
Sycamore	B
Walnut	B
Willow	C

SECTION V - C

REPLACEMENT SPECIES

Replacement trees will be of the species listed in this section. Species list A indicates the varieties that are allowed for the replacement of public trees. Species List B indicates the varieties to be used for the replacement of private landmark trees. The Certified Village Arborist may, based on site conditions, availability, and other factors; authorize the use of other suitable species or varieties of replacement trees. A sample of species list A and species list B are provided in this section.

SECTION V - D

**Tree Replacement – Species List A
For Replacing Public Trees**

See attached table (Parkway Tree Planting Varieties).

SECTION V - E

Tree replacement – Species List B For Replacing Private Trees

Deciduous trees must have 3” trunk diameter or larger.

Evergreen trees must have 6’ height or larger.

To receive reimbursement of escrow, trees will be inspected 3 months from planting date.

If you have any concerns or questions, please call the Village at (847)904-4340

The following is a list of acceptable tree species. Other species not listed may be planted **ONLY** with prior approval of the Tree Preservation Officer.

Common Name	Latin Name
American Linden	Tilia americana
Bald Cypress	Taxodium distichum
Birch	Betula spp.
Black Locust	Robinia pseudoacacia
Bur Oak	Quercus macrocarpa
Catalpa	Catalpa spp.
Cherry	Prunus spp.; non-dwarf varieties
Common Hackberry	Celtis occidentalis
Common Horsechestnut	Aesculus hippocastanum
Douglas Fir	Pseudotsuga menziesii
Elm (disease-resistant native species)	Ulmus spp.
English Elm	Ulmus procera
English Oak	Quercus robur
European Beech	Fagus sylvatica
Fir	Abies spp.
Freeman Maple	Acer x freemanii

Ginkgo	Ginkgo biloba 'Magyar' Ginkgo biloba 'Princeton Sentry'
Hackberry	Celtis occidentalis
Hawthorn	Crataegus spp.
Hedge Maple	Acer campestre
Hickory	Carya spp.
Honeylocust	Gleditsia triacanthos
Ironwood (Hop Hornbeam)	Ostrya virginiana
Japanese Tree Lilac	Syringa reticulata
Kentucky Coffeetree	Gymnocladus dioicus
Linden/Basswood	Tilia spp.
Magnolia	Magnolia x soulangiana
Magnolia - Cucumbertree	Magnolia acuminata
Metasequoia	Metasequoia glyptostroboides
Norway Maple	Acer platanoides
Ohio Buckeye	Aesculus glabra
Pear	Pyrus calleryana 'Autumn Blaze' Pyrus calleryana 'Chanticleer' Pyrus calleryana 'Redspire'
Pine	Pinus spp., non dwarf varieties
Red Chestnut	Aesculus x carnea 'Briotii'
Red Maple	Acer rubrum
Red Oak	Quercus rubra
Spruce	Picea spp., nondwarf varieties
Sugar Maple	Acer saccharum
Swamp White Oak	Quercus bicolor
Sycamore	Platanus occidentalis
Walnut	Juglans spp.
White Oak	Quercus alba

SECTION V - F

FEE IN LIEU OF TREE REPLACEMENT

For the replacement of public trees, the Certified Village Arborist may, if warranted, require the payment of a fee in lieu of tree replacement. For the replacement of private landmark trees, the applicant may select to pay a fee in lieu of planting the required trees. The tree replacement fee shall be based upon the cross section of the tree to be replaced measured at breast height (DBH) and the class of the tree removed.

Class A	\$15.00 per square inch
Class B	\$12.50 per square inch
Class C	\$7.50 per square inch
Nuisance Species	\$0.00

The tree replacement fee must be received by the Village within 30 days after the date of the damage or removal for which replacement is required.

A table for converting the diameter (DBH) of the tree to cross section area is provided in this section.

SECTION V - F

**Diameter at Breast Height to Cross Section (in²) Conversion Table for Fee
in Lieu of Replacement**

DBH (in)	Cross Section (in²)	DBH (in)	Cross Section (in²)	DBH (in)	Cross Section (in²)
		31	739	61	1894
2	3	32	788	62	1922
3	7	33	835	63	1949
4	13	34	882	64	1976
5	20	35	928	65	2002
6	28	36	974	66	2028
7	38	37	1018	67	2052
8	50	38	1063	68	2076
9	64	39	1106	69	2100
10	79	40	1149	70	2123
11	95	41	1191	71	2145
12	113	42	1233	72	2166
13	133	43	1273	73	2187
14	154	44	1314	74	2207
15	177	45	1353	75	2226
16	201	46	1392	76	2245
17	227	47	1430	77	2263
18	254	48	1468	78	2280
19	283	49	1504	79	2297
20	314	50	1541	80	2313
21	346	51	1576	81	2328
22	380	52	1611	82	2343
23	415	53	1645	83	2357
24	452	54	1678	84	2370
25	491	55	1711	85	2383
26	531	56	1743	86	2395
27	572	57	1775	87	2406
28	615	58	1805	88	2417
29	660	59	1836	89	2427
30	707	60	1865	90	2437

For trees larger than 30", in Cross Section (in²) figures are based on the recommendations of the Council of Tree and Landscape Appraisals *Guide for Plant Appraisers* Ninth Edition.

SECTION VI

ORDINANCE NO. 4235

TREE PROTECTION AND
PRESERVATION