



Urban Forestry Permits

An Urban Forestry Permit is required for, but not limited to:

- Removal of multiple trees that measure 6" in diameter at breast height (DBH) or larger;
- Construction of new structures for which a building permit is required;
- Building expansions or additions that are >3,000 ft² or 30% of the existing structure;
- Clearing of all of a portion of property, including grading or construction of a parking lot;
- Subdivision of land greater than one acre for the construction of one- or two- family dwellings, including contiguous lots with the same owner that total more than an acre;
- Construction or manufactured home parks and recreational vehicle parks for which a permit is required and private recreation facilities located in manufactured housing subdivisions;
- New agricultural development that requires tree removal; and
- Public projects that will physically change the surface or will include removal of trees 6" DBH or greater

An Urban Forestry Permit is not required for the construction or reconstruction of a single one- or two- family residence located on a lot that is one acre or less in size, if common ownership of lots within the platted block is less than one acre.

- View the full list of exemptions in section 6.302(e) online at https://codelibrary.amlegal.com/codes/ftworth/latest/ftworth_tx/0-0-0-38466

Submittal:

- Online submittal required: <https://aca-prod.accela.com/CFW/Default.aspx>
- If you believe your development is exempt from Urban Forestry fees, please **contact Urban Forestry staff** before paying the application fee

For more information:

- Visit <https://www.fortworthtexas.gov/departments/development-services/urbanforestry>
- Email urbanforestry@fortworthtexas.gov
- Contact Urban Forestry staff at 817-392-7933 or 817-392-2328
- An Excel Workbook to facilitate the Urban Forestry calculations is available on the Urban Forestry Webpage or by request to the email address above





Tree Preservation and Protection – Urban Forestry Phase (UFP) 1 Plan

- Specify if there are **protected species trees, no protected species trees, no existing trees at all, or if the development is exempt from preservation**. If there are no protected species trees, the applicant shall provide additional documentation to verify the existing conditions, in accordance with § 6.302(i)(4)b. If there are protected species trees, an onsite tree survey noting the location, size, species, and canopy coverage of protected species tree with a **6" DBH or larger** must be submitted, in accordance with § 6.302(i)(4).
- Any protected species tree with a **24" DBH (18" for post oaks and blackjack oaks) or larger** is considered significant. Mitigation methods shall be specified per tree for any significant tree to be removed. **Significant trees shall be identified and clearly labeled on all site plans.**
- Tree protection shall be shown on the UFP1 Plan or submitted as a separate Tree Protection Plan. The UFP1 Plan shall show all existing protected species canopy/trees (designated as preserved or removed), delineate the locations of protective fencing, and include a tree protection detail, in accordance with § 6.302(g)(1). **The UFP1 Plan shall specify where chain-link fencing will be installed for the protection of any significant trees.**
- The UFP1 Plan should delineate protective fencing at **1 foot per diameter inch**. Otherwise, it shall be shown at or beyond the dripline of existing trees. **Tree protection is optional for any non-protected species trees that are proposed to be preserved.**
- **Tree protection shall remain in place throughout construction**, unless urban forestry staff have authorized work within a protected area. In this case, plans shall indicate that all fine grading is to be done by hand, no heavy equipment or material storage is allowed in the protected area, and that fencing is to remain in place when not actively working in the protected area.

Site Development and Planting - UFP2 Plan

- The UFP2 Plan shall show the condition of the site after all development activities have been completed and all proposed trees have been planted. **The UFP2 Plan shall show all remaining or proposed structures/parking/drives, any existing or proposed deductible easement areas like utility/water/sewer/gas/stormwater detention, any existing trees that were preserved on the UFP1 Plan, and all proposed tree plantings.**
- The UFP2 Plan shall not show existing trees proposed to be removed on the UFP1 Plan, easements being vacated through the platting process, and any structures being demolished during the development process of the site.
- **The UFP2 Plan shall specify the proposed species of trees to be planted.** If specific species have not been selected for the proposed plantings, the UFP2 Plan shall specify which size classification (large/medium/small) will be planted and that the proposed trees will be **properly selected from § 6.302, Table B based on that size classification.**
- **Components of the landscaping plan like proposed shrubs should not be included in the UFP2 Plan.** If they are, a revised UFP2 Plan may be required if components of the proposed landscaping plan need to be revised, despite the proposed tree planting remaining the same.

Permitting Fees

- The Urban Forestry Permit application fee is \$296.00 for all developments **up to 5.00 acres**, including one revision. An additional \$17.71 will be added above the base fee **per acre over 5.01 acres**. This fee is automatically calculated when completing the permit application in Accela. Applicants who wish to delay paying the application fee until after the application has been submitted must **contact UF Staff prior to paying the application fee** for the opportunity to pull the application through prior to paying the application fee.
- A \$119.00 fee will be added for any submitted revised plans, including updated, approved, or recorded copies of the plat, starting at the **second set of submitted revisions**.
- Any development with any existing trees will be assessed a \$66.15 pre-grading inspection fee. Additional pre-grading inspection, including re-inspections, will be billed at \$66.15.
- Any development with proposed tree preservation or plantings will be assessed a dynamically priced final inspection fee based on the permitted area, as shown below:
 - Permitted area less than one acre - \$66.15.
 - Permitted area between one acre and up to five acres - \$150.00.
 - Permitted area greater than five acres and up to 15 acres - \$225.00.
 - Permitted area greater than 15 acres and up to 25 acres - \$300.00.
 - Permitted area greater than 25 acres and up to 50 acres - \$350.00.
 - Permitted area greater than 50 acres - \$400.00.

Additional inspections, including re-inspections, will be billed at the rates above.

- **All fees shall be paid before the UFP2 Plan can be approved.**

Inspections

- Any development with any preserved trees and tree protection **shall pass a pre-grading inspection** of the installed tree protection before the UFP2 Plan can be approved. This inspection shall not be scheduled **until the UFP1 Plan has been approved and all tree protection has been installed on-site**, in accordance with the approved UFP1 Plan. Please contact UF Staff when this inspection is ready to be scheduled.
- Any development with proposed development activities and plantings **shall pass a final inspection** of the planted trees before the **Urban Forestry permit can be issued**. This inspection shall not be scheduled **until the UFP2 Plan has been approved, all proposed trees have been planted, and construction has been completed**. Please contact UF Staff when this inspection is ready to be scheduled.

Urban Forestry Permit Components for Grading and Building Permits

- Unless there are no existing trees on-site or the development is exempt from preservation, the grading permit application should not be submitted **until the UFP1 Plan has been approved** and, if necessary, the pre-grading inspection has been completed. Ensure that the submitted grading plans are consistent with tree preservation shown on the **approved-stamped UFP1 Plan**. Include the diagrammed tree protection on demolition, grading, and erosion control sheets to avoid conflicts between these permits.
- Building permit applications shall not be submitted until the UFP2 Plan has been approved. Applicants shall include a copy of the **approved-stamped UFP1 & 2 Plans** in the compiled plan set when submitting the building permit application.



Urban Forestry Plan Checklist

The following checklist is provided to ensure that applicants are submitting a complete application. All applications initially submitted for review shall include this checklist, A fully executed copy of the Letter of Authorization (if necessary), the completed Application Sheet with the completed Applicant's Certification, and the following required exhibits. Submittals that do not include these items or required exhibits will be marked as an incomplete application and be routed back to the applicant until all items and required exhibits have been submitted.

A. REQUIRED EXHIBITS (pdf)

- ☐ 1. UFP1 Plan that includes easements, rights-of-way, significant trees, and the tree protection detail and delineation;
- ☐ 2. UFP2 Plan that includes easements, rights-of-way, preserved existing canopy, and proposed structures/parking and plantings; and
- ☐ 3. Copy of the plat, horizontal control plan, or survey. An approved/recorded copy of the final plat is required for UFP2 Plan approval.

Note: UFP1 and 2 Plans may be combined if all required elements can be clearly shown on one plan.

B. PLAN FACE ITEMS

UFP1	UFP2	Check the columns to the left to ensure each plan has the necessary components
☐	☐	1. Landowner, developer, and plan preparer names/addresses/phone numbers/other contact information
☐	☐	2. Project name and address/legal description of the property
☐	☐	3. Vicinity map orientated north outlining the project location
☐	☐	4. Plan scale and "north" arrow indicating the plan orientation
☐	☐	5. Corporate city limits line (if adjacent to property)
☐	☐	6. Date of preparation (updated on any revisions)
☐	☐	7. All adjacent or interior street names (existing or proposed)
☐	☐	8. Plat name and number
☐	☐	9. Legal lot or artificial lot boundaries (clearly labeled) with declared measurements
☐	☐	10. Overall site plan and sheet key if there are multiple sheets
☐	☐	11. All existing or proposed exempt areas like dedicated rights-of-way, stormwater detention areas, and deductible easements (electrical/water/sewer/gas) labeled per the plat
☐	☐	12. All preserved existing trees or grouped canopy areas
☐		13. Scaled depiction of all existing structures and paving
☐		14. Individual existing protected species tree locations or outlines of grouped canopy areas
☐		15. Individually labeled significant tree locations
☐		16. Tree protection delineation and details
☐		17. Existing tree data, preservation calculations, and significant tree data (Tables 2 & 3)
	☐	18. Scaled depiction of all existing structures and paving to remain and proposed new structures and paving
	☐	19. Individual locations of all proposed tree plantings
	☐	20. New tree legend showing the proposed species, quantity, and caliper and assigns a symbol for that proposed species
	☐	21. Full calculations from pages 7 and 8 of this application (Table 1)



LETTER OF AUTHORIZATION FOR URBAN FORESTRY PERMIT REPRESENTATION

I (PRINT OWNER'S NAME)_____ CERTIFY THAT I AM
THE CURRENT OWNER OF THE PROPRTY DESCRIBED BELOW AND HEREBY GRANT AUTHORITY TO
(NAME)_____ TO ACT ON MY BEHALF
IN MAKING APPLICATION AND SUBMITTING TO THE CITY OF FORT WORTH, TEXAS, A REQUEST FOR AN
URBAN FORESTRY PERMIT FOR THE FOLLOWING PROPERTY:

(CERTIFIED LEGAL DESCRIPTION]

ACKNOWLEDGEMENTS:

I certify that the above information is correct and complete to the best of my knowledge and ability and that I am now, or will be, fully prepared to carry out the Urban Forestry Plan as approved should the above representative or their agents fail to do so, or if the property is sold, I will make the new owner and their representatives fully aware of the approved Urban Forestry Plan and the requirements that run with the land. I further certify that I have read and understand the information provided concerning the procedure for consideration of my Urban Forestry Permit request as well as Section 6.302 of the City of Fort Worth Comprehensive Zoning Ordinance concerning the overall Urban Forestry regulations.

I understand that acceptance of an Urban Forestry Permit application does not guarantee that the City will issue the permit unless it is in compliance with all applicable codes, laws, and regulations and all fees have been paid.

I understand that once approved, this permit will expire and become invalid on the fifth anniversary of the approval date if either no progress has been made toward implementation of the plan or the project scope and configuration changes prior to tree removal or site disturbance. I understand that should progress toward implementation, tree removal, or site disturbance occur, the approved permit will not expire until the warranty period for new and preserved trees has ended or a new permit and plan are submitted and approved subject to conditions of the original permit. I understand that an approved plan will run with the land until is revised and replaced with another approved plan under this or another Urban Forestry Permit. I understand that warranty for new and preserved trees begins once the last building is complete and receives a certificate of occupancy or when all improvements shown on the plan have been completed, whichever is the later date.

I further authorize my representative to act as my agent, if needed, before the Urban Design Commission during any appeal hearings. I understand that if I am not present or represented at a public hearing for an appeal of any requirements of Section 6.302, the Urban Design Commission may deny the request.

THIS AUTHORIZATION WILL REMAIN IN FORCE UNLESS REVOKED BY WRITTEN NOTICE.

OWNER'S SIGNATURE: _____

OWNER'S NAME (printed)_____

ADDRESS and ZIP_____

TELEPHONE: _____ EMAIL: _____



**Urban Forestry Permit Application Sheet
(Complete all information listed below)**

Proposed Land Use: ☐ Residential (single lot) ☐ Commercial/Institutional ☐ Industrial ☐ Public project ☐ Parking only ☐ Residential (subdivision) ☐ Multi-family/MU-1/MU-2 ☐ Urban residential (UR) ☐ Phase-One only		
Existing Tree Canopy Classification: ☐ Protected species ☐ No protected species ☐ No existing trees ☐ Exempt from preservation		
Project Name: _____	Building Permit #: _____ Final Plat #: _____	☐ Trees to be removed from site ☐ No trees to be removed from site
Site Street Address and/or Legal Description of Property (Lot, Block, Subdivision): _____		
Applicant (Developer/Sub-divider) Printed Name: _____ Signature: _____ Date: _____ Address: _____ City, State & Zip: _____		Phone: _____ Email: _____ _____
Agent Or Consultant Representing Applicant Printed Name: _____ Address: _____ City, State & Zip: _____		Phone: _____ Email: _____ _____
Record Owner of Property (if different from Applicant) Printed Name: _____ Address: _____ City, State & Zip: _____		Phone: _____ Email: _____ _____
County: _____	Gross Area of Site or Artificial Lot in square feet: _____	Gross Acreage: _____

Applicant's Certification

I, the undersigned, hereby certify that the attached plans and data are correct and complete to the best of my knowledge and ability. I understand that if any of the required items are deemed missing from the submittal, the plan will be marked as incomplete and not routed for review. My client is aware of these criteria and will accept all responsibility for delays due to the incomplete submittals. I am enclosing an explanation for each item which I feel is not required and therefore, has not been included in the submittal package.

Applicant signature

Date

Table 1: Urban Forestry Requirement Calculator

A Existing Site Information		Calculation	Square Feet	Acres
1	Gross area of property/artificial lot ¹	→		
2	Area of public utility easements & ROW dedication ²	→		
3	Net Urban Forestry Area (applicable to tree requirements)	$A_1 - A_2$		

B Significant Trees ³ (Must Use Tables 2 & 3)		Calculation	Square Feet	DBH
1	All Post Oaks/Blackjack Oaks ≥ 18" DBH	(complete Table 3)		
2	All other protected species trees ≥ 24" DBH	(complete Table 3)		
3	Total of significant trees to be removed	(complete Table 3)		
4	Total of significant trees to be preserved	(complete Table 3)		
5	Significant tree preservation credit	$D_4 \text{ ft}^2 \times 0.5$		

C Significant Tree Removal Mitigation Options ³ (Must Use Tables 2 & 3)		Square Feet	\$
1	Additional Post oak/Blackjack oak preservation required	(complete Table 3)	
2	Additional preservation required	(complete Table 3)	
3	Additional planting required	(complete Table 3)	
4	Payment into the Tree Fund	(complete Table 3)	

D Preservation of Existing Canopy		Calculation	Square Feet	Acres
1	Existing protected species tree canopy area ⁴	→		
2	Preservation requirement ⁵ (25%)	$D_1 \times 0.25$		
3	Additional preservation option to mitigate other protected species significant trees	C_2		
4	Total preservation requirement	$D_2 + D_3$		
5	Area of existing canopy preserved	→		
6	Existing Post oak/Blackjack oak canopy area ⁶	→		
7	Post oak/Blackjack oak specific preservation requirement (50%)	$D_6 \times 0.50$		
8	Additional preservation option to mitigate significant Post oak/Blackjack oak trees	C_1		
9	Total Post oak/Blackjack oak preservation requirement	$D_7 + D_8$		
10	Area of existing Post oak/Blackjack oak canopy preserved	→		
11	Total preservation balance	$D_5 - D_4$		
12	Total preservation credit toward planting	$B_5 + D_5$		

E Mitigation For Loss Of Preserved Trees ⁷ (Reserved for City Staff Use)		Calculation	Square Feet	\$
1	Increase min. planting & required site canopy 5X tree area	(from Table 2&3)		
2	Penalty for non-approved tree removal or lack of required protection	(from Table 2&3)		

F Site Canopy Requirements		Calculation	Square Feet	Acres
1	Land Use - base requirement ⁸	$A_3 \times \%$		
2	Mitigation for significant tree removal ³ (plant/preservation)	$C_1 + C_2 + C_3$		
3	Mitigation for dead/declining/damaged "preserved trees" ⁷ (plant)	E_1		
4	Total required canopy coverage for site	$F_1 + F_2 + F_3$		

G Option to Give Existing Trees More Canopy Credit⁹ (Must Use Table 4)

	Calculation	Square Feet	Acres
1 Total existing canopy of trees being considered	(complete Table 4)		
2 Total potential canopy credit of trees being considered	(complete Table 4)		
3 Total net gain in canopy credit (will be applied toward overall site credit)	(complete Table 4)		

H New Tree Planting

	Calc.	Qty	Square Feet	Acres
1 Required tree planting	$F_4 - D_{10} - G_3$			
2 Large canopy trees: 2000 ft ² per tree at 40ft or greater spacing	2000 x			
3 Medium canopy trees: 700 ft ² per tree at 25ft or greater spacing	700 x			
4 Small canopy trees: 100 ft ² per tree at 8ft or greater spacing	100 x			
5 Subtotal (deduct for spacing below)	$H_2 + H_3 + H_4$			
6 Deductions for spacing ¹⁰	Size/Spacing (ft)	Deduct x	Qty	Total ft ²
New Trees *Deduct per spacing and not per tree. *For mixed size spacing use the smaller tree size's deduction.	Lg	35	175	
	Lg	30	350	
	Lg	25	575	
	Lg	20	800	
	Lg	15	1,025	
	Med	20	75	
	Med	15	200	
	Med	10	350	
7 Total spacing deduction	Sum H ₆ totals			0
8 Total planting (includes spacing deductions)	$H_5 - H_7$			0.00

I Tree Canopy For Parking Areas¹¹

	Calculation	Square Feet	Acres
1 Area of parking (single/two-family are exempt)	→		
2 Required canopy within or adjacent to parking areas	$I_1 \times 0.40$		
3 Area of canopy coverage being provided for parking	→		
4 Excess/deficient parking canopy	$I_2 - I_3$		

J Fulfillment Of Overall Site Tree Canopy

	Calculation	Square Feet	Acres
1 Total required canopy coverage for site	F_4		
2 Provided canopy coverage	$D_{12} + G_3 + H_8$		
3 Excess/deficient overall canopy	$J_2 - J_1$		

K Payment in lieu of planting (public projects only)¹²

	Calculation	Square Feet	Acres
1 Required trees to meet requirement	$J_3 \div 2,000$		
2 Pay into the Tree Fund	$K_1 \times \$600$		

(x) Footnotes:

- ¹ For multi-family and MU-1/2, "Gross area of Open Space" should be used. See Zoning ordinance for definition of open space.
- ² The area of easements for utilities regulated by the Public Utility Commission and/or Texas Railroad Commission are always considered exempt. The area for other easements like access, fire lane, or surface-level drainage are not considered exempt. For multi-family and MU-1/2, only deduct exempt easements located within open space. For new public schools, refer to "Development Guide - School Sites" as to what can be deducted. Please consult staff if unsure.
- ³ Removed significant protected species trees must be mitigated. Significant Post oak and Blackjack oak trees mitigated via preservation can only be mitigated with other preserved Post oak and Blackjack oak trees. Removed significant trees located within exempt areas like utility easements (UE) or proposed right-of-way (ROW) or that are in poor health and no longer viable (DDH) should be marked with the appropriate exclusion in Table 3 so that mitigation is properly calculated. Preserved significant trees receive a 50% bonus towards the final canopy requirements.
- ⁴ Protected species canopy only. Do not include trees in utility easements or dedicated ROW. Applicants can count tree canopy that overhangs the property line as long as the trunk is within the subject property. If there are protected species trees, Tables 2 & 3 must be completed.
- ⁵ Properties that are zoned "Urban Residential" are exempt from the preservation requirement. If the applicant is seeking a Phase One-Only permit, the preservation requirement is 50%.
- ⁶ The combined existing canopy area for all post oak and blackjack oak trees must be calculated. At least 50% of this existing canopy area must be preserved. Post oak and blackjack oak species canopy must be included in the total existing and preserved canopy calculations.
- ⁷ "Preserved" trees that die, decline beyond reasonable means of correction, or become hazardous due to site work, construction, or lack of care and protection will require mitigation via planting at five times the canopy area of the tree(s) at time of permit approval. Planting will be in addition to the overall required canopy. If the condition is determined to be due to a lack of or inadequate tree protection between permit application and project completion, whether from intention or neglect, a penalty of \$600 per DBH inch or \$15.00 per canopy ft² (double those for significant trees) may be assessed and will be in addition to replacement trees. This may also result in a citation for a misdemeanor. Any trees that are removed without prior review and approval, even if they are dead, declining, or damaged, will be assessed the additional monetary penalty and issued a citation if proof of the condition cannot be furnished and accepted.
- ⁸ Land Use specific requirements detailed in § 6.302(h).

One/Two-family residential - 40%	New subdivision - 25%	Multi-family/MU-1/MU-2 - 50% (open space)
Commercial/Institutional - 30%	Industrial - 20%	
Parking Only - 40%	Public Project - 30%	Urban Residential - 5%
- ⁹ Table 4 of the calculations must be utilized for this section. Since some existing trees planted under an approved Urban Forestry Phase 2 Plan may not have developed the canopy area of the credit previously awarded to them, there is an option to calculate and receive credit for the difference. The trees being awarded this credit must be numbered and marked on the plan, and identified in a table with a corresponding number, species name, DBH, and individual canopy area. Spacing deductions apply between both existing trees given new tree credit and between them and new trees. Contact staff for assistance with Table 4.
- ¹⁰ Spacing deductions account for the future overlap of tree canopy based on full canopy area credit. Deductions will be rounded to the nearest five foot increment. Allowance is made for some non-deducted overlap at each increment. Deductions should be counted per spacing, not per tree. When the deduction is being calculated between two trees with different size classifications, use the deduction for the smaller of the two sizes.
- ¹¹ To count trees towards parking coverage requirements, a minimum and maximum distance from the edge of parking must be achieved. The minimum distance is 4 ft for any tree, the maximum distance is 15 ft for large trees, 10 ft for medium trees, and 7 ft for small trees. Any tree located within these dimensions will be given full credit for parking coverage. Single-family and two-family uses are exempt from this requirement.
- ¹² Public projects may elect to mitigate required canopy coverage through payment into the Tree Fund at a rate of \$600 per required tree (rounded up).

Table 2: Existing Tree Calculations (for protected species trees only - from data in Table 3)

CODES FOR TABLE 3		
Columns	Applicable Action or Status	Enter Code
Preservation Status	Preserved trees	PRES
	Removed trees	REM
	Illegally removed/damaged	ILR
	Dead/declining/damaged/hazardous due to development	TreeLoss
Significant	24" or more in diameter-at-breast-height (DBH), any species. 18" or more DBH for post oak or blackjack oak species.	SIG
Exclusions	Trees in utility easement	UE
	Trees in current or proposed dedicated right-of-way	ROW
	Dead/Declining/Damaged/Diseased/Hazardous trees	DDH
	Trees less than 6" DBH	UNDER6
	Trunk located off-site (not in same permit)	OFFSITE
Significant Tree Mitigation & Tree Loss	Mitigate via planting (5x removed area. Also use for TreeLoss)	plantX
	Mitigate via preservation (1.5x removed area)	preserveX
	Mitigate via payment (\$600/DBH)	payX (DBH)
	Mitigate via payment (\$15.00/SF removed)	payX (SF)
Penalty (For City Use Only)	Penalty calculated by DBH	xDBH
	Penalty calculated by canopy	Xcanopy

Table 3: Tree Survey Data (for protected species trees only - refer to Table 2 codes)

[illegible]

Table 3: Tree Survey Data (for protected species trees only - refer to Table 2 codes)

[illegible]

Table 4: Potential Credit For Existing Trees¹

REF ID	Value	Calculation	Square Feet
4.A ₁	Existing Tree Canopy Considered	Sum of all "Existing Canopy" values below	
4.A ₂	Potential Credit	Sum of all "New Credit" values below	
4.A ₃	Net Gain	4.A ₂ - 4.A ₁	

[illegible]

(x) Footnotes:

- | | |
|---|---|
| 1 | Table 4 can only be used for existing, protected species trees planted under a previously approved/issued Urban Forestry Permit. |
| 2 | The existing canopy area for each existing, protected species tree being considered. |
| 3 | The pro-rated canopy area that would be received if this species tree was proposed to be planted. Large/medium/small canopy trees receive 2,000 SF/700 SF/100 SF respectively. Reference the Protected Species table. |

§ 6.302 Table B
Protected species list for preservation and planting

Large Trees	Site Credit	Spacing	Notes	Species
American elm	2,000 ft ²	40 ft	Not recommended for parking lots	<i>Ulmus americana</i>
Bald cypress	2,000 ft ²	40 ft	Not recommended for parking lots	<i>Taxodium distichum</i>
Black walnut	2,000 ft ²	40 ft		<i>Juglans nigra</i>
Bur oak	2,000 ft ²	40 ft	Drought tolerant species	<i>Quercus macrocarpa</i>
Cedar elm	2,000 ft ²	40 ft	Drought tolerant species	<i>Ulmus crassifolia</i>
Chinquapin oak	2,000 ft ²	40 ft	Drought tolerant species	<i>Quercus muhlenbergii</i>
Lacebark elm	2,000 ft ²	40 ft		<i>Ulmus parvifolia</i>
Live oak	2,000 ft ²	40 ft	Drought tolerant species	<i>Quercus virginiana</i>
Pecan	2,000 ft ²	40 ft	Not recommended for high heat areas	<i>Carya illinoensis</i>
Pond cypress	2,000 ft ²	40 ft		<i>Taxodium ascendens</i>
Post oak	2,000 ft ²	40 ft	Must preserve 50% if on site	<i>Quercus stellate</i>
Red oak	2,000 ft ²	40 ft	Not recommended for high heat areas	<i>Quercus shumardii</i>
Medium Trees	Site Credit	Spacing	Notes	Species
Afghan pine	700 ft ²	24 ft	Drought tolerant species	<i>Pinus elderica</i>
Arizona cypress	700 ft ²	24 ft	Drought tolerant species	<i>Hesperocyparis arizonica</i>
Blackjack oak	700 ft ²	24 ft		<i>Quercus marilandica</i>
Bigtooth maple	700 ft ²	24 ft	Drought tolerant species	<i>Acer grandidentatum</i>
'Caddo' maple	700 ft ²	24 ft	Drought tolerant species	<i>Acer saccharum</i> 'Caddo'
Chinese pistache	700 ft ²	24 ft	Drought tolerant species	<i>Pistache chinensis</i>
Eastern redcedar	700 ft ²	24 ft	Drought tolerant species	<i>Juniperus virginiana</i>
Ginkgo	700 ft ²	24 ft		<i>Ginkgo biloba</i>
Japanese Black Pine	700 ft ²	24 ft		<i>Pinus thunbergiana</i>
Lacey oak	700 ft ²	24 ft		<i>Quercus laceyi</i>
Monterrey oak	700 ft ²	24 ft	Drought tolerant species	<i>Quercus polymorpha</i>
Shantung maple	700 ft ²	24 ft		<i>Acer truncatum</i>
Shin oak (Bigelow)	700 ft ²	24 ft		<i>Quercus sinuata</i> var. <i>breviloba</i>
Southern magnolia	700 ft ²	24 ft	Not recommended for high heat areas	<i>Magnolia grandiflora</i>
Texas red oak	700 ft ²	24 ft		<i>Quercus buckleyi</i>
Trident maple	700 ft ²	24 ft		<i>Acer buergerianum</i>
Western soapberry	700 ft ²	24 ft	Drought tolerant species	<i>Sapindus saponaria</i>
Small Trees	Site Credit	Spacing	Notes	Species
American smoketree	100 ft ²	8 ft		<i>Cotinus obovatus</i>
Carolina buckhorn	100 ft ²	8 ft	Not recommended for high heat areas	<i>Frangula caroliniana</i>
Cherry-laurel	100 ft ²	8 ft		<i>Prunus caroliniana</i>
Crape myrtle	100 ft ²	8 ft	Drought tolerant species	<i>Lagerstroemia indica</i>
Desert willow	100 ft ²	8 ft	Drought tolerant species	<i>Chilopsis linearis</i>
Eve's necklace	100 ft ²	8 ft	Drought tolerant species	<i>Styphnolobium affine</i>
Indian cherry	100 ft ²	8 ft		<i>Frangula caroliniana</i>
Japanese maple	100 ft ²	8 ft	Not recommended for high heat areas	<i>Acer palmatum</i>
Mexican buckeye	100 ft ²	8 ft		<i>Ungnadia speciosa</i>
Mexican plum	100 ft ²	8 ft		<i>Prunus mexicana</i>
Possumhaw holly	100 ft ²	8 ft		<i>Ilex decidua</i>

§ 6.302 Table B
Protected species list for preservation and planting

Small Trees cont.	Site Credit	Spacing	Notes	Species
Rough-leaf dogwood	100 ft ²	8 ft	Not recommended for high heat areas	<i>Cornus drummondii</i>
Rusty blackhaw	100 ft ²	8 ft		<i>Viburnum rufidulum</i>
Texas persimmon	100 ft ²	8 ft	Drought tolerant species	<i>Diospyros texana</i>
Texas redbud	100 ft ²	8 ft		<i>Cercis canadensis var. texensis</i>
Vitex	100 ft ²	8 ft		<i>Vitex agnus-castus</i>
Wax myrtle	100 ft ²	8 ft		<i>Myrica cerifera</i>
Yaupon holly	100 ft ²	8 ft	Drought tolerant species	<i>Ilex vomitoria</i>