

**Tree Preservation, Removal and Mitigation**

Issue No.	Issues	Current Terms	Proposed Terms	Relevant UDC Section(s)
TP.01	Consider establishing a threshold for identifying which multi-trunk trees must be included on a survey based on the DBH of the largest trunk.	On non-residential projects, a tree survey is required to include any tree 12 inches + in diameter.	Change the tree survey requirement on non-residential projects to require all trees 12 inches + in diameter except for the excluded species. <ul style="list-style-type: none"> <li>• Hackberry</li> <li>• Chinaberry</li> <li>• Ashe Juniper (cedar) – includes Mountain Cedar</li> <li>• Chinese Tallow</li> <li>• Mesquite</li> </ul> Include educational material in the Development Manual on how to measure trees. Codify terms for calculating the multi-trunk diameter of a tree (refer to TP.05).	8.05.010.A.1 and 8.05.020.A.1
TP.02	Consider adding a definition for tree branch and tree trunk.	No definition of the word trunk.	Define Trunk as in Random House Webster’s Unabridged Dictionary, 2nd Addition as adopted by UDC 1.06 & 16.01: <b>Trunk</b> – the main stem of a tree, as distinct from the branches and roots. Include definitions for branches and roots <b>Branch</b> – a shoot or stem arising from the trunk. <b>Root</b> – The usually underground portion of a plant that lacks buds, leaves, or nodes and serves as support, draws minerals and water from the surrounding soil, and sometimes stores food.	16.02
TP.03	Consider adding a definition for “hardwood” and “softwood” trees as some might have different interpretations.	The UDC makes no reference to “hardwoods” or “softwood”. Heritage Trees may only be trees of the following species. Protected Trees are any species of tree 12” or greater in diameter, save for the excluded species.	Continue to not use terms “hardwood” or “softwood” Do not add or subtract to current list of Heritage Tree Species. Continue to allow Protected Trees to be of any species, except for the excluded species, to allow maximum credit for various types of shade trees and ornamental trees.	N/A

Issue No.	Issues	Current Terms	Proposed Terms	Relevant UDC Section(s)
TP.04	Exclude all cedar (ash-juniper and mountain cedar) trees from the protected trees definition.	Cedar is among the UDC list of excluded trees. These include: - Hackberry - Chinaberry <b>- Ashe Juniper (cedar)</b> - Chinese Tallow - Mesquite	Maintain current UDC list of excluded trees.	8.02.020.A and 16.02
TP.05	Consider excluding ornamental trees from the definition of protected trees.	Ornamental trees are allowed to count as credit trees for mitigation and as existing trees for landscaping requirements.	Establish a ratio based on the size of largest trunk that is specific to ornamental trees, where all additional trunks will be considered at half the largest inch trunk size.	8.02.040.C.2.a.i
TP.06	Clarify applicability of City approval for the removal of protected trees within a right-of-way or public utility easement and assessment of mitigation fees.	Heritage Trees Protected in the ROW need no review for pruning when done by a certified arborist for work being conducted by a public utility provider. Heritage Trees may be removed with approval of the Urban Forester. Protected Trees are not included under this exemption. Mitigation is required for any tree removed.	Continue current practices for Heritage Trees. Allow Protected Trees to be removed at the discretion of the Urban Forester. Make provisions to include it under the current Heritage Tree Removal Permit. Rename "Heritage Tree Removal Permit" to "Tree Removal Permit". The trimming of any Protected or Heritage Tree within a public right-of-way or public utility easement within the municipal limits of the City per Sec 12.08 of the City Code (adopted Oct 27, 2020).	3.23, 8.02.030.B.3

Issue No.	Issues	Current Terms	Proposed Terms	Relevant UDC Section(s)
TP.07	Consider requiring a Tree Inventory for new projects and phased projects whose surveys need to be update after 5 and 10 years.	Tree Inventory is only encouraged, not required.	Require the Tree Inventory when existing trees are to be credited toward tree mitigation requirements Require the Tree Inventory when a residential project is proposed to be planned and constructed in three or more phases. Require the Tree Inventory when a master planned development is to be established under a Planned Unit Development or Development Agreement. Require the tree inventory when alternative tree standards are being requested through a Planned Unit Development, Development Agreement, or Subdivision Variance. Require tree surveys to identify if a tree is infected with oak wilt if deceased. Tree Inventory = species, size, disease and type of disease, health of tree, % of canopy cover	8.05.010.A.1 and 8.05.020.A.1
TP.08	Consider prioritizing the preservation of protected trees to allow flexibility in site design elements (I.e. parking layout, monument sign location). Clarify the existing process for Heritage Trees.	To protect a Heritage Tree any of the following may be varied: <ul style="list-style-type: none"> <li>• Setbacks</li> <li>• Lot design standards</li> <li>• Building heights</li> <li>• Sidewalks</li> <li>• Lighting</li> <li>• Signage</li> <li>• Parking</li> <li>• Drainage criteria</li> <li>• Connectivity</li> <li>• Driveway separation</li> <li>• Utility extension</li> </ul> Protected Trees may take priority over design and construction of public sidewalks Alternative Standards shall be approved by the Director for administrative applications and by P&Z for applications under their approval.	Maintain list of possible alternatives for Heritage Trees and expand the same list to Protected Trees or stands of Protected Trees with a cumulative DBH of at least 20" or more. <ul style="list-style-type: none"> <li>• Setbacks</li> <li>• Lot design standards</li> <li>• Building heights</li> <li>• Sidewalks</li> <li>• Lighting</li> <li>• Signage</li> <li>• Parking</li> <li>• Drainage criteria</li> <li>• Connectivity</li> <li>• Driveway separation</li> <li>• Utility extension</li> </ul> Alternative standards shall be approved by the Director under the provisions for an Administrative Exception.	3.16.020.C and 8.02.050.B.

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TP.09	Consider establishing boundaries for calculating protected and heritage trees on projects (i.e. floodplain, ROW, Limit of Construction, Phase or Section specific)	Existing trees within the entire project boundary (including floodplain or ROW dedication) can be credited toward the existing trees remaining.	<p>All trees within a property that has a floodplain may be considered for tree preservation and mitigation credit.</p> <ul style="list-style-type: none"> <li>Trees within the floodplain may be counted as credit trees for purposes of tree mitigation</li> <li>Credit trees preserved within the developable area may be counted at a higher ratio of 2:1</li> </ul> <p>No trees shall be considered existing trees if located in an area proposed for right-of-way dedication/reservation where no public improvements are required to be constructed as a part of the scope of work.</p>	8.02.030.F and 8.02.040.C.2.a.ii														
TP.10	Consider requiring additional information on the health of a protected and heritage tree to address disease control issues as it relates to tree preservation.	Health information is only encouraged, not required.	Require Tree Inventory to learn the health of a tree. Tree Inventory = species, size, disease and type of disease, health of tree, % of canopy cover	8.05.010.A.1 and 8.05.020.A.1														
TP.11	Consider additional options for tree mitigation.	<p>Divide Protected Trees into two classes:</p> <table border="1"> <thead> <tr> <th>Tree Size</th> <th>Mitigation Fee</th> </tr> </thead> <tbody> <tr> <td>Protected (12" +)</td> <td>\$150</td> </tr> <tr> <td>Heritage (26" +)</td> <td>\$200</td> </tr> </tbody> </table>	Tree Size	Mitigation Fee	Protected (12" +)	\$150	Heritage (26" +)	\$200	<p>Divide Protected Trees into three classes:</p> <table border="1"> <thead> <tr> <th>Tree Size</th> <th>Mitigation Fee</th> </tr> </thead> <tbody> <tr> <td>Protected (12" – 18")</td> <td>\$125</td> </tr> <tr> <td>Protected (18" +)</td> <td>\$175</td> </tr> <tr> <td>Heritage</td> <td>\$225</td> </tr> </tbody> </table> <p>Removals in excess of the number of trees allowed to be removed = standard mitigation plus 50%</p> <p>Clarify that mitigation by "On-Site Replacement Trees" shall first be considered foremost, within site feasibility limitations, before other mitigation options.</p> <p>Developer shall provide a letter of intent which identifies the project trigger for when mitigation plantings are to be installed.</p> <ul style="list-style-type: none"> <li>City will draft standard language to be included with letter of intent to address review of plantings and refund of mitigation fees paid, in whole or in part, following verification of on-site mitigation plantings.</li> </ul>	Tree Size	Mitigation Fee	Protected (12" – 18")	\$125	Protected (18" +)	\$175	Heritage	\$225	8.02.030.E.2.b, 8.02.040.C , 8.02.040.C.4.b and c, 8.05.010.A.3, and 8.05.020.A.4
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TP.12	Consider altering the situations in which required landscaping trees can be removed – specifically related to signage.	Removed trees and mitigate for the size and species of the tree. Mitigation trees must be planted along the same side of the building or parking lot.	Remove and replace with a tree or trees that will reach a similar size as the removed tree. <ul style="list-style-type: none"> <li>• Grouping replacement tree(s) within the same required planting area where feasible (street yard, parking lot, gateway buffer, etc.)</li> <li>• Trees must be planted so that they will not impede signage visibility in the future</li> </ul>	8.06.060

**Street yards, Gateways and Parking**

Issue No.	Issues	Current Terms	Proposed Terms	Relevant UDC Section(s)
SY.01	Consider allowing the use of artificial turf for single-family residential	Artificial turf is not permitted in a single or two-family residential property.	Artificial turf, when proposed, shall be limited to the rear yard only. When the rear yard abuts a local or collector-level street, artificial turf shall be limited to the area screened from view from the adjacent right-of-way. Artificial turf shall be prohibited within an easement. Include standards that define preferred artificial turf. Artificial turf must comply with impervious cover limitations.	8.03.030; 8.06.020.C.3 and 8.06.040.F

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SY.02	Consider establishing different or alternative street yard requirements, particularly for projects with buildings at great distance from the road and/or phased projects.	<p>Street yard requirements are determined by 3 different street yard areas:</p> <table border="1"> <thead> <tr> <th>Street yard Size (sq.ft)</th> <th>Landscape Area</th> <th># Trees</th> <th># Shrubs</th> </tr> </thead> <tbody> <tr> <td>&lt;50,000</td> <td>20%</td> <td>1 / 5,000 sq.ft.</td> <td>3 / 5,000 sq.ft.</td> </tr> <tr> <td>50,000 – 500,000</td> <td>20%</td> <td>10 for 1<sup>st</sup> 50,000 sq.ft. 1 / additional 10,000 sq.ft.</td> <td>30 for 1<sup>st</sup> 50,000 sq.ft. 3 / additional 10,000 sq.ft.</td> </tr> <tr> <td>&gt;500,000</td> <td>20%</td> <td>55 for 1<sup>st</sup> 500,000 sq.ft. 1 / additional 25,000 sq.ft.</td> <td>175 for 1<sup>st</sup> 500,000 sq.ft. 3 / additional 25,000 sq.ft.</td> </tr> </tbody> </table>	Street yard Size (sq.ft)	Landscape Area	# Trees	# Shrubs	<50,000	20%	1 / 5,000 sq.ft.	3 / 5,000 sq.ft.	50,000 – 500,000	20%	10 for 1 <sup>st</sup> 50,000 sq.ft. 1 / additional 10,000 sq.ft.	30 for 1 <sup>st</sup> 50,000 sq.ft. 3 / additional 10,000 sq.ft.	>500,000	20%	55 for 1 <sup>st</sup> 500,000 sq.ft. 1 / additional 25,000 sq.ft.	175 for 1 <sup>st</sup> 500,000 sq.ft. 3 / additional 25,000 sq.ft.	<p>Revise Street yard size thresholds to reflect sizes more commonly seen and updated planting requirements for each threshold</p> <table border="1"> <thead> <tr> <th>Street yard Size (sq.ft)</th> <th>Landscape Area</th> <th># Trees</th> <th># Shrubs</th> </tr> </thead> <tbody> <tr> <td>&lt;10,000</td> <td>20%</td> <td>1 / 2,500 sq.ft.</td> <td>3 / 2,500 sq.ft.</td> </tr> <tr> <td>10,000 – 100,000</td> <td>20%</td> <td>4 for 1<sup>st</sup> 10,000 sq.ft. 1.5 / additional 10,000 sq.ft.</td> <td>12 for 1<sup>st</sup> 10,000 sq.ft. 4 / additional 10,000 sq.ft.</td> </tr> <tr> <td>&gt;100,000</td> <td>20%</td> <td>18 for 1<sup>st</sup> 100,000 sq.ft. 2 / additional 20,000 sq.ft.</td> <td>48 for 1<sup>st</sup> 100,000 sq.ft. 5 / additional 20,000 sq.ft.</td> </tr> </tbody> </table> <p>Create a street yard planting percentage option that focus heaviest plantings near the ROW.</p> <ul style="list-style-type: none"> <li>Required for phased projects – to be completed in Phase 1</li> </ul> <p>Screening and Bufferyard plantings are still in addition to all other requirements.</p> <div style="border: 1px solid black; padding: 5px;"> <p>10% (<b>Low-level</b>) of street yard plantings located within 28 feet of building façade</p> <p>30% (<b>Mid-level</b>) of street yard plantings located between Low-level and High-level planting zone</p> <p>60% (<b>High-level</b>) of street yard plantings located between ROW &amp; Mid-level planting zone</p> </div>	Street yard Size (sq.ft)	Landscape Area	# Trees	# Shrubs	<10,000	20%	1 / 2,500 sq.ft.	3 / 2,500 sq.ft.	10,000 – 100,000	20%	4 for 1 <sup>st</sup> 10,000 sq.ft. 1.5 / additional 10,000 sq.ft.	12 for 1 <sup>st</sup> 10,000 sq.ft. 4 / additional 10,000 sq.ft.	>100,000	20%	18 for 1 <sup>st</sup> 100,000 sq.ft. 2 / additional 20,000 sq.ft.	48 for 1 <sup>st</sup> 100,000 sq.ft. 5 / additional 20,000 sq.ft.	8.04.030
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SY.03	Clarify the applicability of Gateway landscape requirements (and how these relate to other landscape requirements)	Gateway standards do not apply when another zoning overlay district exists. Gateway overlay districts boundary are determined by: - Right-of-way line of each applicable roadway - Centerline of the roadway when conflicting gateway overlay districts occur	Gateway standards shall apply when more stringent than the standard of any other overlay district Clean-up referenced code sections Gateway overlay boundaries extend up to a maximum depth of 100 feet from the edge on the right-of-way line on either side.	4.11, 8.04.050
SY.04	Clarify the applicability of landscape requirements for inventory lots related to an auto sales use	"Vehicle display and sales areas" are exempt from the parking lot landscape requirements.	Define "vehicle display and sales areas" as the area specifically reserved for the display and storage of vehicles actively for sale. These areas shall not include areas reserved for required parking spaces, parking of vehicles in service, or areas reserved for the storage of vehicles not actively for sale.	8.04.040.C
SY.05	Consider measures or alternatives to address conflicts between signage, utilities and easements, and landscape requirements	An Administrative Exception may be requested for an alternative Landscape design.	When required shade trees conflict with signage or utility easement, one or more of the following options may be proposed to meet the requirement: <ul style="list-style-type: none"> <li>• Ornamental trees, additional medium and small shrubs around monument signs may be used to meet required gateway shade trees at a ratio as defined below:                             <ul style="list-style-type: none"> <li>➤ 2 ornamental trees = 1 shade tree, <b>or</b></li> <li>➤ 1 ornamental tree and 20 small to medium shrubs = 1 shade tree, <b>or</b></li> </ul> </li> <li>• No more than 25% of the mature canopy size may encroach onto an easement, sign, or any other conflict point; <b>or</b></li> <li>• Gateway landscape buffer shall extend a minimum of 10 feet beyond any conflicting easement.</li> </ul>	8.06.030.D.6

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SBW.01	Clarify screening requirements for alternative waste containers	Dumpsters are subject to locational and design standards including distance from property line, placement on reinforced concrete pads, screening materials, gate materials, and features to protect enclosures from truck operations.	Other waste and recycling container enclosures shall also be subject to the dumpster locational and design standards. Location of waste and recycling container enclosures shall also comply with the standards of the waste collection service provider.	8.04.070.D
SBW.02	Review current nonresidential landscaping requirements regarding the city's water conservation efforts	Grassed areas are encouraged to be planted with drought resistant species such as (but not limited to) Bermuda, Zoysia, or Buffalo. 50% of plant materials must be low water users. Solid sod shall be used in swales or on 3:1 or greater slopes or other areas subject to erosion. Synthetic or artificial lawns or plants are not allowed.	Continue to encourage grassed areas to be planted with drought resistant species such as (but not limited to) Bermuda, Zoysia, or Buffalo, when grassed areas are provided. Continue to require a minimum of 50% of the total number of plant materials to be low water user plants. <ul style="list-style-type: none"> <li>• For every additional 10% of plants classified as low water users, an additional 1% of impervious cover, up to a maximum of 3%, may be granted.</li> </ul> Continue to require solid sod in swales, and on 3:1 or greater slopes or other areas subject to erosion. For all other areas, sod shall be limited to the remaining percentage of plant material that are not low water user plants. <ul style="list-style-type: none"> <li>• Exemptions: dog parks; open recreational/common amenity areas; parkland</li> </ul> Allow artificial turfs in areas screened from streets and adjacent properties, and in accordance with the impervious cover requirements of the project. Artificial turf shall be prohibited within required bufferyards and gateway landscape buffers. <ul style="list-style-type: none"> <li>• Include standards that define preferred artificial turf and maintenance requirements.</li> </ul>	8.06.020.C.3, 8.06.040.F, 11.02.020.A.7