## LANDSCAPE REQUIREMENTS - A COMPARITIVE TABLE

| CITY | WHEN IS A PROFESSIONAL | MPPLICABILITY OF LANDSCAPE | MINIMUM <br> Index Cities <br> are indicated <br> with an "*" |
| ---: | ---: | ---: | ---: |
| LICENSE REQ. FOR | REQUIREMENTS |  | LANDSCAPING <br> REQUIRED |

$\left.\begin{array}{|c|l|}\hline \text { Any person may } \\ \text { prepare the landscape } \\ \text { plan. } \\ \text { - } \\ \text { There is no } \\ \text { requirement that the } \\ \text { plan be prepared by a } \\ \text { landscape architect or } \\ \text { by a person engaged } \\ \text { in the landscape } \\ \text { business }\end{array}\right\}$

## Article X is triggered when: <br> - Non-permeable coverage on the

 lot or tract is increased by more than 2,000 square feet within a 2 year periodWhen an application is made for a building permit for construction work that:

- increases the number of stories in a building; or
- Increases by more than $35 \%$ or 10,000 square feet the combined floor area of all building on a lot within a 2 year period the


## In Shared Access Mandatory Provisions

Developments
$20 \%$ of the
development must be designated as a landscape area.
$\qquad$
i. Site trees
ii. Perimeter landscape buffer strip (only required where a residential adjacency exists)
iii. Screening for off-street loading
iv. Parking lot trees
v. Street trees

## Design Standards

Enhanced perimeter buffers
ii. Screening of off-street parking
iii. Enhanced vehicular pavement
iv. Permeable vehicular pavement
v. Pedestrian facilities
vi. Foundation planting strip
vii. Understory preservation
viii. Enhanced pedestrian walkways

## Tree Preservation, Removal \&

 ReplacementMandatory Provisions
Regulations for single family and duplex uses

- Three trees (with min. 2-inch caliper)
- Two must be located in the front yard

Regulations for shared access developments located in

- Single family district
- Three trees (with min. 2-inch caliper) are required, per lot
- One may be located on individual lot

Other districts
Other districts
$20 \%$ of development must be designated as a landscape area (permeable pavement
does not count as landscape area)

- One site tree per every 4,000 sq. ft. in the development

Regulations for lots containing other uses
Perimeter landscape buffer strip

- Must be provided along the portion of the perimeter where a residential adjacency
exists
- The buffer strip must be at least 10 feet wide, but need not exceed 10 percent of lot width/depth (as applicable)
Screening of off-street loading spaces
- Must be screened if the lot has residential adjacency

Must be screened from all public streets adjacent to that lot (except in CS and
Screening per Section 51A-4.602(b)(3) - need not be plant materials

- Site trees
- 1 tree per each 4,000 square feet of lot area (min. 4 trees)
- IM and IR districts -1 tree per each 6,000 square feet of lot area (min. 4 trees)
- Street trees
- 1 large tree per each 50 feet of frontage (min. 2 trees)
- Must be located within 30 feet of the projected street curb

May be located in the public ROW with approval
Parking lot trees

- No required parking space may be located more than 120 feet from the trunk of a
large canopy tree
- No parking space in excess of required parking may be located more than 100 feet from the trunk of a large canopy tree
- Industriat uses IMr 18 districts in minimum 120 square foot landscape area Industrial uses in IM or IR districts in lieu of complying with Parking Lot tree
requirements, can provide 1 street tree (in compliance with the street tree requirements) for each 25 feet of frontage


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|  | - Landscape plans for sites larger than $1 / 2$ acre or uses that are not single-family residential shall be prepared by a registered landscape architect <br> - What triggers landscaping? Prior to the issuance of a building or construction permit for any use other than single-family or duplex dwellings, a landscape plan reflecting all landscaping and screening required under this section must be submitted and approved. | - Applies to Single-family detached and single-family attached residential development <br> - Multi-family and Non-residential <br> - New Parking lots <br> - Existing parking lots expanded by $30 \%$ or more in area | Yes. See "Details" | Three types of landscaping required: <br> - Residential landscaping <br> - Applies to all single-family detached and single-family attached residential development <br> - Perimeter landscape setbacks <br> - Parking lot landscaping and screening |
| :---: | :---: | :---: | :---: | :---: |

Front yard.
Front yard
tached

- $30 \%$ - duplex or townhouse or
- The front yard shall be landscaped with 10 shrubs (at least two diff. species) and one tree - SF detached
6 shrubs and one tree - duplex or townhouse
erimeter landscape setback - Multi-family and non-residentia
Must be provided along the entire ROW adjacent to a public street
Applies to non-residential development in a residential zone
Setback width based on street type
- Highway -20 ft .
- Major Collector - 15 ft
- Local-10 ft.
- Perimeter Landscape setback tree requirement (required number of trees is based on linear feet of street frontage)

|  |  | Highway/Collector | Local |
| :---: | :---: | :---: | :---: |
| $\bigcirc$ | 3 inch caliper - | 1 per 35 ft . | 1 per 40 ft |
| $\bigcirc$ | 4 inch caliper - | 1 per 45 ft . | 1 per 50 ft . |
| $\bigcirc$ | 5 inch caliper - | 1 per 55 ft . | 1 per 60 |

- Perimeter Landscape plant requirement. (Min. number of plants is based on liner feet of street frontage). Varies between 16 and 14 plants per 50 ft . for highways and collectors and 10 per 50 ft for local streets.

Amount of grass cover in landscape setback is limited to 40\% (highway and collector) and 50\% (local)
Parking lot landscaping (applicability)
new surface parking lots with 10 or more spaces and existing lots expanding $30 \%$ or more in area must provide perimeter and interior landscaping
_ new lots with less than 10 spaces must provide perimeter landscaping

- existing lots expanding $30 \%$ or more in area

Internal landscaping. Landscape islands are required at the terminus of each row of parking and shall not be separated by more than 10 parking spaces.
Landscape islands shall be no smaller than 162 sq. ft., and shall contain 1 tree and at least $50 \%$ vegetative cover (other than grass)
No parking space shall be located farther than 90 feet from a tree, including trees that are in the landscape setback.
No paving within 4 ft . of the center of a tree.

- All landscaped areas shall be protected by a raised concrete curb. A curb-less design may be approved for stormwater BMP or Low Impact Design (LID) purposes


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not apply to:
(1) property zoned central business district or downtown mixed use district;
or downtown mixed use district;
(2) a lot containing one single-family (2) a lot con
residence;
residence;
(3) a lot containing one duplex residen (3) a lot containing one duplex residence,
unless the residence exceeds 4,000 square unless the residence exceeds 4,000 square
feet of gross floor area or has more than six bedrooms;
(4) a two-family residential use
(5) a secondary apartment special use; (6) substantial restoration of a building within one year after the building is damaged;
(7) restoration of a building designated as a historic landmark; or
(8) Interior or facade remodeling, if the front and side exterior walls of the building remain in the same location.

## Residential Subdivisions.

- Applies to each single family lot in a residential subdivision
of the area of the landscape yard/street yard (the area of a lot between the street ROW and the front wall of the building) of a lot must be landscaped area

Number of trees required is based on the size of the landscape yard:

Less than $10,000 \mathrm{sq} . \mathrm{ft} .=1$
tree $/ 1,000 \mathrm{sq}$. ft.

- 10,000 to $110,000=10$ trees for first 10,000 sq. ft., plus 1 tree 2,500 sq. ft . over $10,000 \mathrm{sq}$. ft
- $\quad>110,000$ sq. ft. $=50$ trees, plus 1 tree/ 5,000 sq. ft. over 110,000 sq. ft .
Newly planted trees must be in a landscaped area that is at least eight (8) feet wide


## Parking lot trees:

- 1 tree must be located within 50 feet of each parking space (if the parking lot has more than 3 distinct modules)
- For parking lots with more than 3 modules, a 10 ft . median is required for every second parking module. 1 tree shall be located within 25 ft . of each parking space adjacent to the median.

Residential Subdivisions.
Each lot shall contain at least 2 trees of at least two different approved species if the lot is in a SF residence small lot zoning district (SF4a)

- Each lot shall contain at least 3 trees of at least two different approved species if the lot is in any other zoning district

General.
A required landscaped area may include planters, brick, stone, natural forms, water forms, aggregate, and other landscape features, if inorganic materials do not predominate over plants.

- Smooth concrete or asphalt may not be included in a required landscape area


## Bonus for tree preservation:

- Existing preserved trees $>2$ inch in diameter or in clusters of at least 4 inch diameter trees count one for one
- Existing preserved trees 6 inch or more in diameter count double toward requirement


## Bonus landscape area credit for preserving Critical Root Zone

If at least $50 \%$ of the area under a canopy tree with a trunk diameter of at least 2 inches is permeable, then each sq. ft . of landscaped area counts as $1-1 / 4 \mathrm{sq}$. ft . of landscaped area.

## Utility Issues:

No tree shall be planted within 5 feet of an underground utility line which is in a city maintained easement

- In areas where utility lines are present or proposed, only trees from the Utility Compatible Shade Tree list (Appendix F) shall be planted within:
- 10 lateral feet from any overhead distribution conductor;
- 30 to 40 lateral feet from any overhead transmission conductor; or
- 10 lateral feet from any underground electric facility.

Irrigation Requirements. An area equal to at least 50\% of the total required landscaped area on a project must be

- Undisturbed natural areas or undisturbed existing trees with no potable irrigation or

Be irrigated by stormwater runoff conveyed from impervious surfaces on the site Supplemental irrigation is required for the first two growing seasons for all or a portion of a newly planted required landscape area without permanent irrigation

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## Residential Zoning Districts.

- Not less than $30 \%$ of required landscaping shall be located in the front yard with not less than $50 \%$ of the required landscaping being located in the front one-half of the less.


## Non-residential \& Multi-family Zoning Districts.

Not less than $50 \%$ of required landscaping shall be located in the front yard, not less than $70 \%$ of the required landscaping shall be located in the front one-half of the lot. Required landscaping (additional landscaping may be required to meet the min Required landscaping (additional

- A landscape buffer with an average width of 15 feet, but not less than 3 feet at any point, shall be provided adjacent to all street's ROW.
- A max $50 \%$ of the buffer may be landscaped with turf grass.
- Required landscape elements in landscape buffer
- Two (2) shade trees per each 100 linear feet of street frontage
- Three (3) ornamental trees for each 100 linear feet of street frontage
- Thirty-four evergreen shrubs for each 100 linear feet of street frontage
- A combination of a discontinuous landscaped earthen mound (min. 3 feet in height) and evergreen shrubs
- Parkway areas adjacent to a public street shall be landscaped by turf grass or other living plantings and maintained by the property owner. Landscaping located within public rights-of-way does not count toward satisfying landscape requirements

Outdoor parking lots ( 12 to 100 parking spaces). $5 \%$ of the interior, inclusive of maneuvering aisles shall be landscaped as follows:

- One (1) shade tree for each 12 parking spaces
- All parking spaces shall be located within 120 feet of a tree
- Landscape islands shall be provided at the end of each parking row and at a min interval of 12 parking spaces. A landscape island shall be a min. of 8 feet by the length of the adjacent parking space
The total area of landscaping within parking areas shall not have more than $50 \%$ turf grass.
Outdoor parking lots (100 or more parking spaces). $5 \%$ of the interior, inclusive of maneuvering aisles shall be landscaped as follows:
- One (1) shade tree for each 10 parking spaces
- All parking spaces shall be located within 100 feet of a tree
- Landscape islands shall be provided at the end of each parking row and at a min interval of 10 parking spaces. A landscape island shall be a min. of 8 feet by the length of the adjacent parking space


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| Carrollton Cont. |  |  |  |  | - The total area of landscaping within parking areas shall not have more than $50 \%$ turf grass. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { El Paso* } \\ & \text { (6/2013) } \end{aligned}$ | A landscape plan shall be designed by one of the following: <br> - A landscape architect who holds a certificate of registration issued pursuant to Texas State Occupations Code Chapter 1052; or <br> - An architect registered in the State of Texas; or <br> - An engineer licensed in the State of Texas; or <br> - A landscape contractor; or <br> - A landscape designer; or <br> - Any other person permitted under Texas State Occupations Code 1052.003 to design a landscape plan. | - The construction or erection of any new development, building, or structure, for which a building permit is required and zoned for a commercial use <br> - The expansion of an existing building or parking lot, regardless of the amount of increase in size <br> - Construction of a new parking lot | Landscapable area. <br> The square footage of the entire lot(s) in which the project is located, multiplied by $15 \%$, less the square footage of the building(s) footprint shall equal the required landscapable area. (does not include parkway sq. footage) | Landscapable area. 1 unit of plant material for every 1,000 sq. ft. <br> - 1 tree having a min. caliper of two inches <br> - A min. of 45 plants of 5 gal size <br> Parking lots. 1 parking lot tree per 10 spaces. | - Landscape area does not include the parkway or parking lot trees <br> - Exemptions from landscape requirements: <br> - Small businesses. The addition of buildings or buildings on a commercial lot when the additional building or buildings have a combined square footage of less than one thousand two hundred $(1,200)$ square feet of floor area. <br> - Structures built from property line to property line (street trees are still required) <br> - Street-oriented buildings. The required landscapable area may be reduced by $60 \%$ if certain standards are met. <br> - Designated landscape infill development area. Required landscaping may be reduced up to $30 \%$ for these areas. <br> - Plant coverage option. Plant material shall be proved in all required landscapable areas and shall cover at least $75 \%$ of the area. |
| $\begin{aligned} & \text { Fort Worth* } \\ & (8 / 2009) \end{aligned}$ | - No requirement for a professional license. | - Construction of new structures for which a building permit is required for any commercial/institutional and industrial uses <br> - Expansion of commercial, institutional and industrial uses that increase the footprint by at least $30 \%$ and that add at least 3,000 sq. ft. to existing structures. <br> Exemptions from landscape requirements. <br> - Construction or expansion of onefamily and two-family dwellings <br> - Construction or expansion of | - Commercial and institutional uses, a minimum of $10 \%$ of net site area shall be landscaped <br> - Industrial and manufactured home uses, a minimum of $4 \%$ net site area or a landscape | Commercial and institutional uses: <br> - 1 shrub ( 5 gal.) per every 50 sq. ft. or for every 75 sq. ft. provide a cluster of native shrubs and or grasses consisting of a minimum of five (5) plants ( 3 gal.) in size, from the recommended list of native plants for North Central Texas <br> Industrial and manufactured home uses: <br> - 1 shrub ( 5 gal.) per every 50 sq. ft. of required landscape area or for every 75 sq. ft. provide a provide a cluster of native shrubs and or | Generally: <br> - A minimum of $75 \%$ of all required landscape area shall be located in the front yard between the building line and the front property line. <br> - All landscape materials shall be installed within 90 days after issuance of a certificate of occupancy and verification by the planning and development department of installation in compliance with this section is required. <br> - The min. percentage of landscape area required in the front yard between the building line and the front property line may be reduced to $50 \%$ provided native/adapted plants are used in conjunction with storm water quality facilities <br> - Landscaped Bioretention area are encouraged to reduce runoff and increase infiltration of water into the soil |

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|  |  | multifamily and mixed use developments subject to Sec. 6.506 development provisions. | area of at least 30 feet in depth along the length of the property line frontage (on all public rights-ofway) | grasses consisting of a min. of five (5) plants (3 gal. in size) from the approved native plant list. |
| :---: | :---: | :---: | :---: | :---: |
| Waxahachie (4/2011) | - For all lots greater than 30,000 square feet, a Landscape Plans shall be prepared by a registered Landscape Architect <br> - For lots less than 30,000 square feet, a landscape designer or landscape contractor may prepare the landscape plans. <br> - Irrigation plans shall be prepared by a licensed irrigator or landscape architect. | - All new non-residential construction and multi-family construction other than duplex uses. | Yes | Landscape requirements include <br> - Bufferyard <br> - Interior lot landscaping <br> - Landscaping for parking areas |

Drip irrigation systems are required for native/adaptive plant material in new commercial and industrial planting beds less than five feet in width

## Tree Planted to provide required canopy coverage

- Must be from the table of approved trees
- Must have a min. 2-1/2 to 3 inch diameter
- Must be provided a min. 16 sq . ft. of permeable surfaces
- Trees that die within two years of project completion must be replaced. Replacement requirement runs with land.
- Credited its canopy coverage at maturity
- Large canopy with typical crown of 50 ft . dia. $-2,000 \mathrm{sq}$. ft.
- Medium canopy, 30 ft . dia. Crown - 700 sq . ft.
- Small canopy, 10 ft . dia. Crown - 100 sq . ft.

1) Interior Landscape area requirements (excludes bufferyards). Based on the square footage of the first floor or the square footage of the largest floor, whichever is greater Required landscaping is based on a percentage of the floor area. Multi-family and office $50 \%$; General Retail, limited general retail, and neighborhood service $=50 \%$; commercial $=40 \%$; light industrial, airport district, and heavy industrial $<10 \mathrm{kq}$. ft. $=20 \%,>10 \mathrm{k} \mathrm{sq}$ $\mathrm{ft} .=15 \%$

Planting requirements. 1 canopy tree per 500 sq. ft.; 1 understory tree per 250 sq. ft.; 1 shrub per 70 sq. ft.; ground cover $15 \%$ of required area; seasonal color $2 \%$ of required area.
2) Parking lot landscaping. Applies to all surface lots serving non-residential, mixed use and multifamily uses. Minimum 13 sq. ft. of parking lot landscaping per parking space. Additional parking lot landscaping is required base on the \% of parking between the building façade and the street ROW
3) Bufferyard. Applies to nonresidential and multifamily parcels. < 250 ft . of frontage adjacent to ROW, at least $15 \%$ of street yard shall be landscape area; > 250 ft . of frontage, 20\%.
4) Street Trees. All development fronting on a public or private street is required to plant street trees

- Must be located in within the ROW
- 1 tree per every 30 feet of frontage


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Street Frontage landscape areas - Tree planting requirements based on street frontage type (urban, slip road, etc.).

- Trees planted 30 feet OC in tree wells or grates
- Structured soils or equivalent required
- Min. 500 sq. feet per tree.

Water resource landscape zones for interior landscape areas. Two options (landscape edge and pervious surface)
andscape edge.

- 12 foot min. width.
- Engineered bioswale or bioretention
- $5 \%$ of parking surface area - nonresidentia
- 7\% of parking surface area - multifamily
- 1 tree per 500 sq . ft. of landscape area
- Parking lot to drain toward landscape area with curbs designed to allow drainage into landscape buffer
Pervious surface
- $5 \%$ of parking surface area - nonresidentia
- $7 \%$ of parking surface area - multifamily
- Structured soils per industry standards
_ 1 tree peer 500 sq ft of pervious paver
_ Less than 500 sq. ft.
Façade landscape areas. Specific requirements for retail, office, and non-retail. Retail shopping center
- Façade trees. 30 feet OC in grates or tree wells
- Structured soils or equivalent required

Parking islands.

- 9 foot min. width
- Located at terminus of parking rows at main drive aisle
- Trees centered in landscape

Office/Non-retail

- 15 foot landscape area adjacent to structure
- Façade trees. 30 feet OC

Parking islands.
_ 9 foot min. width

- Located at terminus of parking rows at main drive aisle (equal to 2 spaces)
- Trees centered in landscape


## Trees per acre

- Retail and office/non-retail = 12 trees per acre
- Multifamily = 15 trees per acre
- Mixed use $=8$ trees per acre


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| :--- |


|  |  |  |  |  | Notes: <br> - landscape and irrigation plans must be in accordance with Best management practices for tree pruning, ANSI A300 and Nursery standards shall be the American Standard for Nursery Stock, ANSI 260.1-2001 <br> - A layer of fibrous mulch is required in shrub beds and around trees (root flare must be kept exposed) |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Houston* $(3 / 2009)$ | - No requirement for a professional license. | - All new commercial and multi-family development <br> - New single family residential <br> - Building additions to non-SF residential that exceed 1,000 sq. ft. <br> - New parking lots or expanded portion of old lots | N/A | New single Family. <br> Lots less than 5,000 sq. ft. <br> - 1 tree (new or preserved) <br> - Preserved tree may be on the building site or in the abutting street ROW <br> - New trees shall be planted in the ROW <br> Lots 5,000 or larger. <br> - 2 trees required. <br> - 1 tree must be planted in the abutting ROW | Street Trees. <br> - 1 tree per every 30 feet of road frontage. <br> - Must be planted in or adjacent to public ROW <br> - Tree must be from approved street tree list <br> Parking lot trees. <br> - 1 tree per every 10 spaces <br> - Each parking space must be within 120 feet of a parking lot or street tree. <br> - At least $50 \%$ of parking lot trees will be large parking lot trees <br> - Tree must be from approved parking lot tree list <br> Shrubs. <br> - 10 shrubs for each required street tree. <br> - At least $75 \%$ must be planted along the perimeter of parking lots. The remainder may be planted along or within the perimeter. <br> Landscape buffers. <br> - Evergreen trees or shrubs may be used in lieu of a screening fence. <br> - <br> Note: Houston has language specific to the protection of trees before, during, and after construction |
| Richardson (8/2009) | - Not required | - | - Nonresidential properties with buildings less than 75,000 sq. ft. - <br> 7 percent of gross land area <br> - Nonresidential properties with buildings | - Landscape Buffers <br> - Screening of parking, loading or storage areas <br> - Landscaped islands in parking lots <br> - Foundation planting <br> - Perimeter screening <br> - $20 \%$ of the required landscape area must be provided internal to parking areas | Landscape Buffers. 10 foot wide buffer between public or private streets, that includes a min. of 1 canopy tree and 1 ornamental tree for each 50 lineal feet of street frontage. Trees are not required to be planted on 50 foot centers and may be planted in natural groupings <br> Landscape island. Landscape islands are required at the ends of each row of parking spaces, to incorporate canopy trees, ground covers and a $18^{\prime \prime}-24^{\prime \prime}$ paved strip adjacent to the parking stall. |

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|  |  |  | greater than 75,000 sq. ft. - 10 percent of gross land area |  |
| :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { San Antonio } \\ & (2012) \end{aligned}$ | - Activities which exceed $4,300 \mathrm{sq}$. ft. of impervious surface require the seal of a registered landscape architect on landscape plans. | - The construction or erection of any new building or structure for which a building permit is required <br> - An enlargement of 1,000 sq. ft. or $10 \%$ in area of the exterior dimensions of an existing building <br> - Construction of a new parking lot regardless of size <br> - Expansion of an existing parking lot within the street yard by more than $2,000 \mathrm{sq}$. ft. or $10 \%$ in area, whichever is greater <br> Landscape requirements do not apply to: <br> - single-family, duplex, triplex or four-plex residential uses in a residential district <br> - Single-family dwellings | - | General <br> - Planting areas shall consist of permeable surface areas only <br> - 4-inches of organic mulch material is required at the time of planting <br> - Large/small trees and large shrubs must be planted at least 30 -inches from the edge of any paved surface. <br> - An irrigation system is required on projects when: <br> - An area greater than 2,000 sq. ft . of new landscaping is installed <br> - More than 10 trees are installed <br> - Projects that exceed 4,300 sq. ft . of impervious surface <br> - If an irrigation system is not required, a hose bib must be installed within 100 feet of the newly installed plant material |

## Landscape Requirements <br> - Mandatory Criteria

## Parking Lot Shading

- shading shall be required for parking lots subject to this section that are located within the project area (excluding driveways or garages) in residential districts
- Canopy trees shall be provided to shade a min. of $\mathbf{2 5 \%}$ of a parking lot - Trees shall be planted within an island not less than 9 feet by 18 feet
- Calculation of Shade Area
- Existing trees preserved on a site within 12 feet of any edge of a parking lot or in an island or peninsula not less than 9 by 18 feet are calculated at $\mathbf{1 0 0 \%}$ of the shade coverage shown in Appendix E
- Newly planted trees planted in an island or peninsula not less than 9 by 18 feet are calculated at $75 \%$ of the shade area
- Newly planted trees planted adjacent to a parking lot within 12 feet of any edge of a parking lot are calculated at $50 \%$ of the shade area
- Elective Criteria In addition to the mandatory requirements, landscape plans shall earn a min. of 70 points for elective requirements. Commercial projects which do not include off-street parking within the street yard shall earn a min of 25 points
- Up to 40 points can be awarded for tree preservation
- Screening of surface parking within a street yard = 25 points
- Parking lot shading $=20$ points. 5 point are awarded when surface parking lots include canopy trees which shade $35 \%$ of the parking lot; and 15 points are awarded when surface parking lots include canopy trees which shade $50 \%$ of the parking lot
- Street trees = 25 points are awarded for the installation of large trees extending along a min. of $75 \%$ of the total frontage of the street yard of the parcel; spaced 50 feet apart; and located no more than 17 feet from the street ROW line.
- Understory Preservation = 15 points can be earned for preservation of existing vegetation adjacent to parking lots or by planting new vegetation

| LANDSCAPE REQUIREMENTS - A COMPARITIVE TABLE |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| CITY <br> Index Cities are indicated with an "*" | WHEN IS A PROFESSIONAL LICENSE REQ. FOR LANDSCAPE PLANS | APPLICABILITY OF LANDSCAPE REQUIREMENTS | MINIMUM PERCENTAGE OF LANDSCAPING REQUIRED | GENERAL REQUIREMENTS | DETAILS |


|  |  |  |  |  |
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utilizing a mixture of canopy trees with understory trees
Infill $=25$ points shall be awarded for the provision of landscaping for an infill or commercial retrofit use pattern where not more than 4,300 sq. ft. of impervious surface is added.

Street Yard - The area of a lot or parcel which lies between the property line along dedicated street and the actual wall line of the building or, if no building exists, to the rear property line. Such building wall lines extend outward from the corners of the buildings.

## LANDSCAPE REQUIREMENTS - A COMPARITIVE TABLE

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Elective Criteria (In addition to the mandatory requirements)

- Landscape plans must earn a minimum of $\mathbf{7 0}$ points for elective requirements
- Landscape plans for commercial project which do not include off-street parking within the street yard must earn a min. of $\mathbf{2 5}$ points
Landscape plans for projects in an adopted gateway corridor must earn 85 points Calculation of points.
- Tree Preservation (a max. of 40 points shall be awarded for the preservation of existing healthy trees)
- Points are awarded based on tree "dbh" and tree location
- Full credit (up to 30 points) is earned for preservation of trees within a street yard
- Above 30 points, half credit can be earned for preservation of trees within a street yard
- Outside the street yard half credit can be earned for preserving trees up to 15 points
- Screening of Surface parking (25 point are awarded for screening a surface parking lot within the street yard)

Screening must extend along the entire street frontage, exclusive of driveways

- Screening must be at least 30 inches in heigh
- Parking Lot Shading
- 20 points are awarded for compliance with mandatory parking lot shading
- An additional 5 points are awarded when surface parking lots include canopy trees which shade a min. $35 \%$ of any individual parking lot
- An additional 15 points are awarded when surface parking lots include canopy trees which shade a min. $50 \%$ of any individual parking lot.
- Street Trees (25 points are awarded for the installation of large trees that)
- Extend along a min. $75 \%$ of the total frontage of the street yard of the parcel
- Trees are spaced on average no more than 50 feet apart (distance between trees cannot exceed 100 feet)
- Trees are located no more than 17 feet from the street ROW line
- Understory Preservation (15 points can be earned for preservation of existing vegetation adjacent to parking lots or by planning new vegetation utilizing a mixture of canopy trees with understory trees and large to small shrubs with ground plane perennials. Min. area of understory preservation shall be 10 ft . by 20 ft .)
- Infill or Commercial Retrofit Use Patterns (25 points are awarded for the provision of landscaping for an infill or commercial retrofit use where not more than $4,300 \mathrm{sq}$. ft . of impervious surface is added)


## LANDSCAPE REQUIREMENTS - A COMPARITIVE TABLE

| CITY | WHEN IS A PROFESSIONAL | MPPLICABILITY OF LANDSCAPE | MINIMUM <br> Index Cities <br> are indicated <br> with an "*" |
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| LICENSE REQ. FOR | REQUIREMENTS |  | LANDSCAPING |
| REQUIRED |  |  |  |



## LANDSCAPE REQUIREMENTS - A COMPARITIVE TABLE

| ${ }_{\text {CITY }}$ are indicated with an "** | WHEN IS A PROFESSIONAL LICENSE REQ. FOR LANDSCAPE PLANS | APPLICABILITY OF LANDSCAPE REQUIREMENTS | MINIMUM PERCENTAGE OF LANDSCAPING REQUIRED | GENERAL REQUIREMENTS |
| :---: | :---: | :---: | :---: | :---: |



Parking lots (projects that do not require an increase in existing parking are not required to comply). Parking lots shall use stormwater harvesting in parking lot islands and perimeter screening strips to reduce the use of potable water irrigation.
Perimeter Screening
required when 3 or more off-street parking spaces are required
Commercial districts. Parking lots (with 3 or more spaces) where any part of the parking lot is within 25 feet of a residential area (not separated by a ROW) a solid wall not less than 4 feet shall be required

- Interior Parking Lot Landscaping (Required when 40 or more off-street parking spaces are provided).

A min. of 10 sq . ft. of permeable landscaped area shall be provided per parking space,

- 1 tree (deciduous) is required per 90 sq. ft. of landscaped area.
- A parking area exceeding 120 spaces must be divided into 2 or more subareas by an internal landscaped street or minimum 10 foot wide landscaped pedestrian way Pedestrian ways shall be landscaped with a min. 6 ft . wide planting strip on at least one side, exclusive of curbs, and trees an average of 25 ft . OC.


## Screening and buffering.

Note: One of the stated purposes of the Landscape and Site Design regulations is, "to foster the creation of regionally appropriate, sustainable landscapes,"

## LANDSCAPE REQUIREMENTS - A COMPARITIVE TABLE

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| Little <br> Elm, TX <br> (Updated 3-2010) | - Landscape plans must be prepared and sealed by a registered landscape architect <br> - Irrigation plans require a Texas License Irrigation Seal <br> - Landscape plans are not required for detached single-family homes or duplexes |
| :---: | :---: |

## Applies to all new development and existing developments that are

 expanding or redeveloping $30 \%$ or more of that developmentPrior to the issuance of a building, paving or construction permit for any use other than single-family dwellings, a landscape plan shall be submitted and approved

## $10 \%$ of the

 gross vehicular use area shall be devoted to landscapeCompliance letter. Prior to the issuance of a CO , a letter must be submitted to the director from the landscape architect indicating that the site is in compliance with the approved landscape plan

- Large canopy trees must be planted four feet or greater from curbs, sidewalks, utility lines, screening walls and/or other structures
- 3 small ornamental trees may be substituted for 1 large canopy tree, not to exceed $25 \%$ of the required large trees
- Plant material shall conform to the standards of the American Standard for Nursery Stock
- Tree well shall be a min. 20 sq. ft. in size


## Residential Requirements

## Single-family Requirements

Landscape plans and automatic irrigation systems are not required

- Trees. The number of large trees per lot varies with zoning (lot size) and ranges from 2 trees to 4 trees. (1 acre lots)
Duplexes require 1 tree per unit
Trees may not be planted in the area between the sidewalk and the road


## Multifamily Requirements

Each lot or parcel of land used for multi-family residences shall provide usable open space at the rate of 400 sq. feet for the first bedroom and 300 sq . ft. for each additional bedroom
1 large canopy tree is required per each $2,500 \mathrm{sq}$. ft . of open space
Townhouse and mixed use building requirements

- Townhouse - shall be required to landscape a minimum of 6 feet between the edges of the sidewalk and the primary building façade
- Mixed use developments - a green, square or plaza shall be provided
- A min. area equal to $15 \%$ of the buildings footprint shall be provided as open space.
- 1 large canopy tree shall be provided for each $1,600 \mathrm{sq}$. ft. of area in open space. $400 \mathrm{sq} . \mathrm{ft}$. of shade structure may replace the requirement for a shade tree


## Nonresidential Requirement

## nterior landscape requirements

- A min. of $10 \%$ of the gross vehicular use area shall be devoted to landscape
- 1 large canopy tree shall be planted for each 400 sq. ft. of interior landscape area
- Industrial uses are exempt from the interior landscape requirement

Parking Lot Planting Islands.
Interior areas of parking lots shall contain planting islands a min. area of 9 feet by 18 feet.

- Planting islands shall be located at the terminus of parking rows.
- Planting islands shall contain at least one large canopy tree
- Planting islands shall not be spaced greater than every 12 spaces
- Trees located in parking islands are counted toward the required no. of interior trees


## LANDSCAPE REQUIREMENTS - A COMPARITIVE TABLE

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## Nonresidential Requirements Cont.

## Big Box Parking lots

A building with a single tenant that comprises more than $50,000 \mathrm{sq}$. ft . may in lieu of providing a tree every 12 spaces, choose to provide a min. 10 foot wide continuous landscape island every eight single rows of parking, with a large canopy tree each 30 linear feet. Note: this is in addition to terminus islands and trees on parking rows.
Retail developments 15,000 sq. ft. or more.

- An urban tree shall be placed in a tree grate or tree well each 30 feet on center with a min. 12 foot wide sidewalk along active storefronts and mixed used building fronts
- A small ornamental tree is required along major access lanes each 25 linear feet

Pedestrian connections. An urban tree is required along internal pedestrian connection for each 30 linear feet.
Perimeter Landscape Requirements.
Landscape Buffers (Adjacent to ROWs)
Nonresidential and multi-family. A min. 20 foot landscape buffer is required adjacent to the ROW.

- Landscape buffers adjacent to ROWs must contain 1 large tree per each 30 linear feet of street frontage (inclusive of driveways)
Trees may be grouped or clustered to facilitate site design.


## Other Landscape Buffers

A min. 10 foot wide landscape buffer shall be maintained between adjacent properties

- If abutting properties are of the same zoning, the landscape buffer can be reduced to five feet.
- Buffer must contain at least 1 large canopy tree each 50 linear feet (adjacent to commercial)
Buffer must contain at least 1 large canopy tree for each 30 linear feet when adjacent to residential uses or zoning.
- For every 5 large canopy trees, 1 small ornamental tree shall be provided
- Trees may be grouped or clustered to facilitate site design

Screening.
All vehicular use areas shall be screened from all abutting properties and the public ROW with a wall, fence, evergreen hedge, berm or other durable landscape barrier

## LANDSCAPE REQUIREMENTS - A COMPARITIVE TABLE

| CITY | WHEN IS A PROFESSIONAL |
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| APPLICABILITY OF LANDSCAPE | MINIMUM |
| ---: | ---: |
| REQUIREMENTS | PERCENTAGE OF <br> LANDSCAPING <br> REQUIRED |
|  |  |

## Landscape plans may be

 prepared by any of the following:(1) A Planting Plan may be (1) A Planting Plan may be
submitted by any person, submitted by any person,
provided the plan is limited to provided the plan is limi
plant specification and plant specification and
placement only (see definition of Landscape Designer; (2) A Landscape Architect registered in the state of Oklahoma;
(3) A licensed Architect or professional Engineer licensed in the State of Oklahoma, provided the services are incidental to the performance incidental to the performance
of his or her normal practice of his or her normal practice
as an architect or engineer.

## Exemptions from Site Points for the

 Developed Area.Industrial Use Units and
Transportation Facilities: Surface Goods (both Restricted and General) Use Units, the number of required points shall be derived from the parking space calculation only (three points per each required parking space).

- Single-Family and Duplex Residential

Developments within C-CBD, BT, SYD districts.

- Alterations to existing buildings, developments or construction that increases the amount of gross floor increases the amount of gross floor
area requires a min. of 10 points of area requires a min. of 10 points of
landscaping installed, plus 2 points landscaping installed, plus 2 points
of landscaping for every additional of landscaping for every
parking space provided.
- If the size of the addition exceeds $100 \%$ of the size of the existing structure, then the entire property shall come into compliance with the landscape code.
- Site Points are required for each
development, based on the size of the Developed Area.
- A min. of $60 \%$ of the required A min. of $60 \%$ of the requill
points shall be used for
landscaping in the front and side yards
- $25 \%$ of the points shall be used for evergreen planting
- A max. $25 \%$ of required points may be used for turf grass.
- Parking Lot Points are based on the number of parking spaces
- Buffers On any office, commercial, industrial, institutional or multi-family adjacent to a single family or duplex, a landscaped buffer along the property lines is required
_ The buffer shall run the entire length of the abutting lot lines
- Buffer may be a 6 foot tall fence with a 5 foot wide landscape buffer (inside fence) or trees spaced 25 feet on center; or
- A 6 foot wide buffer with evergreen planting at least 6 feet in height; or
- A natural, undisturbed woode area at least 20 feet in width.

Landscape Requirements
Site Points are required for each development, based on the size of the Developed Area
A developer may use any combination of plantings to obtain the necessary number of points required for the development.

- Different types of plantings are worth different point values (e.g,. large tree 8-inch caliper or greater $=26$ points; a small 2 gallon shrub $=1$ point

Developed Area is the area of a lot that is disturbed for the purpose of developing structures, parking facilities, loading or storage areas, paved access to off-street parking or loading or other areas paved with an all-weather material, or landscaped areas.

- Landscaping within any Developed Area must equal or exceed a minimum number of points in order to obtain approval.

Size of Developed Area Site Points Parking Lot Points.

| 1 1-5,000 sq. ft. | 25 | 2 points per each required <br> parking space and 1 point for <br> each additional space |
| :--- | :--- | :--- |
| More than 5,000 sq. ft. | 25, plus 1 point <br> for each <br> additional 200 <br> sq. ft. of <br> developed area | 2 points per each required <br> parking space and 1 point for <br> each additional space |

