

Chapter 5 – Landscaping Standards

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5.1 PURPOSE AND INTENT

This chapter establishes regulations for the preservation of natural features and minimum standards for the provision, installation and maintenance of landscape materials. These regulations are intended to promote the health, attractiveness, and safety of the community; foster aesthetically pleasing and environmentally sensitive development that protects and preserves the appearance and character of the community; and encourages the preservation of natural areas.

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5.2 APPLICABILITY

This chapter applies to development in all Zoning Districts, except for detached single-family dwellings not located within a major subdivision. Plantings and landscaping features required by this chapter are subject to inspection to verify continued compliance with this chapter.

LANDSCAPE

5.3 GENERAL LANDSCAPING STANDARDS

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A. **Landscape Plan Required.** A landscape plan must be submitted as a part of all development and permit applications unless the Administrator determines compliance with the provisions of this chapter can be demonstrated without the use of a landscape plan. A landscape plan may be combined with other required application materials if compliance with this chapter can be demonstrated in the combined materials.

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B. **Required Plant Materials.** Tree and shrub species used to meet the requirements of this Ordinance must be from the [Approved Plant List](#). Plants listed on the [Prohibited Plant List](#) cannot be used to fulfill any requirement of this Ordinance. All plant material must be hardy to central Indiana, suitable for the site, free of disease and insects, and conform to the American Standard for Nursery Stock (ANSI Z60.2-2025). The Administrator may authorize alternative species or cultivars that meet the intended purpose, are not invasive or hazardous, and are equally hardy.

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- When calculating the number of required plants, any fraction of a plant must be counted as one plant.
- C. **Minimum Living Materials.** Within required landscaping areas, a minimum of 60% of the surface area must be covered by living materials, not gravel, stone, or other non-living materials.
- D. **Soil Condition and Planting Beds**
 1. Landscaping required by this Ordinance must be planted in uncompacted soil at least 2 feet in depth.
 2. Stone mulch is permitted in required landscape areas or plantings. Specific types may include Brick Chips, Lava Rock, River Rock, or Polished Pebbles. Prohibited Stone Mulch types include Marble & Crushed Gravel. Administrator Approval is required regardless of type, except as part of a stormwater best management practice in accordance with the Stormwater Specifications Manual.
 3. Landscaped areas must be protected from vehicular encroachment by curbs or wheel stops. Curbs must be provided with openings to accommodate surface collection of stormwater runoff in vegetated swales and detention facilities.
- E. **Minimum Plant Sizes at Installation** Unless otherwise specifically noted, the minimum plant size at the time of installation of landscaping required by this Ordinance is as follows:

Plant Material Type (ASNS types)	Minimum Size
Deciduous/ Overstory Shade Tree (Type 1 or Type 2) Single Trunk	2 in. caliper
Deciduous/ Overstory Shade Tree (Type 1 or Type 2) Multi-Trunk	10 ft. in height
Evergreen/Coniferous Tree	6 ft. in height
Ornamental/ Understory Tree Single Trunk	1.5 in. caliper
Ornamental/ Understory Tree Multi-trunk	6 ft. in height
Large Shrub – Deciduous (Type 2 or 3)	24 in. in height
Large Shrub – Evergreens (Types 4, 5 or 6)	30 in. in height
Small Shrub – Deciduous (Type 1)	18 in. in height

Small Shrub – Evergreens (Type 1, 2 or 3)	24 in. in spread
Ground cover	3 in. in height

- F. **Plant Material Spacing.** Except for buffer yard plantings, trees and shrubs must not be placed closer than 3 feet to any lot line. A minimum 5-foot clear area around fire hydrants, valve vaults, hose bibs, maintenance holes, hydrants, and fire department connections must be provided. Plant materials may be grouped but must be located within the landscape area to which it will be credited. The Administrator may authorize adjustments to these spacing requirements when necessary, due to topography, drainage, utilities or obstructions, provided the total amount of required landscaping is not reduced.
- G. **Species Variation.** No one species of tree may make up more than 30% of the total number of trees. No one species of shrub may make up more than 30% of the total number of shrubs.
- H. **Protection of Vision Clearance Areas.** Obstructions must not be erected, placed, planted, or allowed to grow in a manner impeding visibility within Vision Clearance Areas ([see 4.9 Vision Clearance Standards](#)).
- I. **Existing Vegetation Credit and Bonus.**
 - 1. If existing vegetation meets the intent of the screening requirements, preserved existing vegetation may be credited for landscape materials required by this Chapter. Credit will not be given for existing vegetation listed on the [Prohibited Plant List](#).
 - 2. If any vegetation fulfilling a requirement of this Ordinance dies or is removed, replacement plant materials must be installed in accordance these standards. Existing vegetation used to meet a requirement of this chapter must be protected during construction by a fence erected around the area encompassing an area 1 foot beyond the drip line of the vegetation. Materials must not be placed within this protected area.
 - 3. Preservation of trees and surrounding vegetation will be given credit toward

fulfilling landscaping requirements in this Article as follows:

- Existing trees and surrounding vegetation may only be credited once towards any one buffer, screen, or other landscape area requirement.
 - Existing trees and surrounding vegetation must be located within the required landscape area to which it will be credited.
 - Existing trees that conform to these standards and are proposed to be used for credit must generally have location, species, caliper, and drip line indicated on the required landscape plan.
4. Existing trees will be credited as fulfilling a requirement based upon the tree size and provided that the minimum width of the surrounding landscape area is according to the criteria and the quantities as follows:

Existing Tree Size (inches)	Minimum Width of Surrounding Landscape Area (feet)	Number of Trees Credited
Over 36 DBH	15	10
25.5 to 36 DBH	15	8
13 to 25	10	6
10.5 to 12.5	8	4
8.5 to 10 DBH	8	4
6.5 to 8	5	2
4 to 6	5	2
2.5 to 3.5	5	1

- J. **Replacement Trees.** In the event an existing tree that was given credit is removed or dies within 3 years of the Improvement Location Permit issuance date, replacement trees must be planted as follows:

Size of tree Removed or dead (inches)	Number of trees to be planted to replace an existing tree
Over 36 DBH	10
25.5 to 36 DBH	8
13 to 25 DBH	6
10.5 to 12.5 DBH	4
8.5 to 10 DBH	4
6.5 to 8	2
4 to 6	2
2.5 to 3.5	1

If the site cannot accommodate the number of replacement trees required, the Administrator may authorize an alternate location for the planting of the replacement trees within the Town as close to the site as feasible.

K. **Native Vegetation and Natural Landscaping Areas.**

1. Growing native vegetation including ferns, grasses, sedges, rushes, forbs, shrubs and trees is permitted in lieu of turfgrass lawn. Natural landscape areas are permitted if planned and designed to control, direct, and maintain the growth of natural vegetation, primarily native, and may include the detention and infiltration of stormwater runoff in the natural landscape area.
2. Natural landscaping areas must not be located within 2 feet of a front lot line, or within 3 feet of any other lot line, except where the natural landscaping is separated from adjacent lots by fencing or continuous shrub growth 3 feet or more in height, or where the natural landscaping area abuts another permitted natural landscaping area on an abutting lot. An intervening path or walkway is not deemed to prevent natural landscape materials from abutting.
3. Where a natural landscaping area is installed or preserved, a sign should be installed indicating that the area is a natural landscape area and generally not mowed.

- L. **Rain Gardens, Bioswales and Stormwater Management Features.** Areas included in rain gardens or vegetated site features created to meet stormwater management requirements of the Stormwater Specifications Manual must be counted towards any required interior site or parking lot landscaping, and if vegetated to meet the requirements for any landscaped buffers must count towards those buffer requirements. Where rain gardens or vegetated site features serving a stormwater management purpose are installed, a sign must be installed indicating the area should not be mowed.

- M. **Retention and Detention Facilities.** Landscaping must be provided around the perimeter of all new retention and detention basins constructed in conjunction with a development plan under this ordinance. Such landscaping must consist of trees, shrubs, and emergent plantings in a quantity, species, and arrangement that will maintain an ecologically functional environment. Per the Stormwater Specification Manual, tall plantings in the aquatic bench are desirable to keep waterfowl from the site. Retention and detention basins should be designed to resemble natural landforms, whenever possible. Such landscaping must be integrated with the littoral zone of emergent vegetation around the pond perimeter with the safety bench. Trees, shrubs and upland plantings are to be located above the normal water line; emergent or wetland plantings are to be located below the normal water line. Vegetation must be established on all side slopes to prevent erosion. A stormwater management easement and operation and maintenance agreement is required for each facility, clearly marking inlet/outlet structures and easements for inflow/outflow piping. Trees or deep-rooted vegetation must not be planted in any easement with storm drainage pipe. Vegetation must not obstruct inlet/outlet structures and inflow/outflow piping area.

- N. **Alternative Landscaping.** The Administrator may approve an alternate landscape plan that does not meet the specific requirements stated in this if the Administrator determines that the alternative plan:

1. Is consistent with the purposes of this chapter;
2. Does not include invasive vegetation;
3. Does not include a reduction of tree planting requirements;
4. Provides equal or superior buffering of adjacent properties from anticipated impacts of the proposed development; and
5. Provides equal or superior visual appearance of the property when viewed from the street;

O. Installation and Delay of Installation Due to Season.

1. Landscaping material used to meet the requirements of this Ordinance must be installed in accordance with the planting procedures established by the ANSI A300 Tree Care Operations: Standard Practices for Tree, Shrub and Other Woody Plant Maintenance.
2. Landscaping material must be installed no later than 60 days after the completion of construction or its initial use. The Administrator may authorize a delay in installation up to 120 days due to periods of adverse weather, availability of plant material, or conflicts between construction scheduling and proper planting conditions. As a condition of authorizing a delay in installation, a surety or other guarantee may be required, in a form acceptable to the Town, in the estimated amount of the installation. During any delay in installation, site management must comply with all applicable provisions for sediment and erosion control.

P. Maintenance.

1. All landscaping required by this Ordinance must always be maintained.
2. Dead, missing, or damaged landscaping, or landscaping that supports less than 50% healthy leaf growth or shows dead branches over a minimum of 50% of the normal branching pattern must be replaced with healthy, live plants by the end of the growing season to maintain compliance with this Ordinance.
3. The owner is responsible for the maintenance, repair, and replacement of all required landscaping, screening, and curbing.
4. Fences, walls, and other barriers must be maintained in good repair. All barriers that are damaged, broken, or with failing paint must be repaired, replaced, or refinished.
5. Tree topping is prohibited. Tree topping is the practice of removing whole tops of trees, large branches, or trunks from the

tops of trees, leaving stubs or lateral branches that are too small to assume the role of a terminal leader.

6. Plant materials must be adequately watered to sustain long-term growth.

5.4 STREET FRONTAGE LANDSCAPING

- A. The front yard must be landscaped with at least 1 shade tree per 35 feet of street frontage ([see Figure 5-1](#)). If overhead electric distribution lines are present, ornamental trees with a maximum mature height of 15 feet must be planted and the number of trees planted must be at least 1 ornamental tree per 20 feet of street frontage.
 - Trees fulfilling this requirement must be planted within 25 feet of the right-of-way ([see Figure 5-2](#)).
 - Trees located within the right-of-way between the sidewalk, and the street should have a minimum of 5-foot-wide road verge within residential subdivisions.
- B. For lots with a front yard less than 5 feet deep or where the sidewalk extends from the back of curb to the lot line, tree wells may be installed in the right-of-way to accommodate the required frontage trees ([see Figure 5-3 and Figure 5-4](#)). For tree wells adjacent to sidewalks measuring 5 feet wide or less, the tree well opening must be covered with a tree grate or surrounded by a fence or wall at least 18 inches in height. The opening in a tree grate for the trunk must be expandable or otherwise accommodate the mature diameter of the tree.
- C. All planting in the public right-of-way may be counted toward fulfilling the requirements of this chapter.
- D. On lots adjacent to a landscaped median in the right-of-way, 50% of the vegetation in the median that meets a street frontage and front yard landscaping requirement may be credited towards the landscaping requirements of this section.
- E. Where the side yard or rear yard of a lot abuts or is within 50' of an existing public right-of-way, perimeter landscaping must be

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provided within the common area or lot adjacent to the public right-of-way as follows:

1. Residential uses must provide a landscape area a minimum 15' wide abutting the right-of-way planted with a minimum of 3 shade trees, 4 evergreen trees, two ornamental trees, and 25 shrubs per 100 lineal feet.
2. Non-residential uses must provide a landscape area a minimum 10' wide abutting the right-of-way planted with a minimum of 3 shade trees or ornamental trees, 4 evergreen trees, and 25 shrubs per 100 lineal feet.

5.5 PARKING LOT LANDSCAPING

Primary use and accessory parking lots must provide at least the following amounts and types of landscaping unless alternative requirements are stated in the Ordinance ([see Figure 5-5](#)).

- A. **Street Frontage Landscaping.** Any parking lot with off-street parking spaces must provide landscaping along any street frontage. The landscape area must have a minimum depth of 10 feet along the entire frontage and be landscaped with at least 1 shade tree and 4 large shrubs per 30 feet of street frontage. If overhead electric distribution lines are present, ornamental trees with a maximum mature height of 15 feet must be planted and the number of trees planted must be at least 1 ornamental tree per 20 feet of street frontage. Trees fulfilling this requirement must be planted within 25 feet of the right-way. If an opaque fence or wall is installed, the shrub planting may be reduced to 3 small shrubs on the street side of the fence or wall per 25 feet of street frontage.
- B. **Interior Landscaping.** Any parking lot with 15 or more off-street parking spaces must provide interior landscaping. Internal landscape areas must be dispersed throughout the lot to break up the perception of large, uninterrupted expanse of pavement. The minimum amount required interior landscaping is as follows:
 - For development occurring on land in which 75% or more of the land area was previously developed for purposes other than residential or agricultural the interior

landscape area must be at least 6% of all uncovered vehicle areas.

- For any undeveloped commercial out lot 2 acres in size or less existing prior to the date of adoption of this Ordinance the interior landscape area must be at least 6% of all uncovered vehicle areas on the out lot.
- For all other types of development, including new development, the interior landscape area must be at least 9% of all uncovered vehicle areas.

Required interior landscape areas must be at least 8 feet wide. This minimum width may be reduced to 6 feet if structural soils are being used.

Interior landscape areas must be planted with at least 1 shade tree per 180 square feet of interior landscaping area.

5.6 FOUNDATION PLANTINGS

The quantities listed below are required in addition to landscape materials that may be required by parking lot planting and buffer yard planting specified in other parts of this Landscaping Standards section.

- A. Facades greater than 80 feet in length:
 - a. Front Façades: One (1) shrub or ornamental tree for every five (5) feet of overall length.
 - b. Side and Rear Facades: One (1) shrub or ornamental tree per every ten (10) feet of overall length.
- B. Facades Greater than 80 feet in length:
 - a. Front Façade: Two (2) shrubs or ornamental trees per every five (5) feet of overall length.
 - b. Side and Rear Façade: Two (2) shrubs or ornamental trees per every ten (10) feet of overall length.
- C. For buildings less than twenty-five (25) feet in height the minimum percentage of plant species must be as follows: 30% shrubs and 30% ornamental trees.
- D. For Buildings Greater than twenty-five (25) feet in height the mix must be 30% shrubs and 50% ornamental trees.
- E. Industrial Substitutions: For developments within an Industrial Zoning District, two (2) required foundation plantings may be substituted for one (1) street frontage planting,

which is in addition to the number of yard plantings required by this ordinance. The areas within twenty (20) feet of the main entrance of the facility shall not be permitted to substitute these foundation plantings with yard plantings.

- F. Placement: Foundation plantings shall be planted along all four (4) sides of the foundation (excluding drive-throughs, loading docks, and the front door) and be located as follows:
 - a. Shrubs: Within six (6) feet of the foundation.
 - b. Ornamental Trees: Within ten (10) feet of the foundation.

5.7 MONUMENT SIGN LANDSCAPING

Landscaping shall be provided around freestanding signs in an area equal to the square footage of one sign face. The landscaped area shall radiate out a minimum of three (3) feet from the base of the sign. Landscaping shall be provided and planted to substantially cover the area with landscape materials such as, but not limited to, evergreens, annuals, ground covers, perennials, and shrubs. Landscaping plans shall be included in the permit application. Maintenance must be consistent with UDO 5.3(P).

5.8 LANDSCAPE BUFFER AREAS

- A. **Multi-Family Residential Abutting Single-family Residential.** Where a multi-family dwelling project abuts a lot in the R1, R2, or R3 district, a landscape buffer must be provided using either Option 1 or Option 2 below ([see Figure 5-6](#)).
 - 1. **Option 1.** A landscape buffer area at least 10 feet wide must be provided by the proposed development along the shared border. The buffer area must contain natural landscape materials such as grasses, ground cover, shrubs, and trees. Parking or impervious surfaces are prohibited within the buffer area. One tree and 3 large shrubs must be provided for every 25 feet of lot line. Plant spacing should be designed to minimize sound, light, and noise impacts.
 - 2. **Option 2.** An opaque wall, fence or dense (at least 50% opacity) vegetative screen at least 6 feet tall must be provided. If a

fence or wall is provided, the side facing away from the multi-family dwellings must be at least as finished in appearance as the side facing the multi-family dwellings. The fence or wall must be placed at least 3 feet inside the property line of the proposed development and 3 small shrubs per 25 feet of lot line must be provided between the fence or wall and the property line. If a vegetative screen is proposed, it must be at least 4 feet in height at the time of planting and maintained at 6 feet in height minimum.

- B. **Commercial or Mixed-Use Abutting Residential.** Where a commercial or mixed-use district, building, or project abuts a residential district, building, or project, a landscape buffer must be provided using either Option 1 or Option 2 below ([see Figure 5-7](#)).

- 1. **Option 1.** A landscape buffer area at least 15 feet wide must be provided by the proposed development along the shared border. The buffer area must consist of natural landscape materials such as grasses, ground cover, shrubs, and trees. Parking or impervious surfaces are prohibited in the buffer area. One shade or evergreen tree and 3 large shrubs must be provided for every 25 linear feet of lot line. Plant spacing should be designed to minimize sound, light, and noise impacts on residential uses.
- 2. **Option 2.** An opaque wall, berm, fence or dense (at least 75% opacity) vegetative screen at least 6 feet tall must be provided with 1 shade tree provided for every 35 linear feet of lot line. If a fence or wall is provided, the side facing away from the commercial or institutional use must be at least as finished in appearance as the side facing the commercial or institutional use. The fence or wall must be placed at least 3 feet inside the property line of the proposed development and 3 small shrubs per 25 linear feet of lot line must be provided between the fence or wall and the property line. If a vegetative screen is proposed, it must be at least 6 ft. in height at the time of planting.

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C. **Industrial Abutting Residential.** Where an industrial district, building or project abuts a residential district or lots used for any use listed as a residential use on the Permitted Use Table, a landscape buffer must be provided using either Option 1 or Option 2 below ([see Figure 5-8](#)).

1. **Option 1.** A landscape buffer area at least 15 feet wide must be provided by the proposed development along the shared border. The buffer area must consist of natural landscape materials such as grasses, ground cover, shrubs, and trees. Parking or impervious surfaces are prohibited in the buffer area. One evergreen tree and 4 large shrubs must be provided for every 25 linear feet of lot line. Plant spacing should be designed to minimize sound, light and noise impacts on residential uses.
2. **Option 2.** An opaque wall, berm, fence or dense (100% opacity) vegetative screen at least 8 feet tall must be provided with 1 shade tree provided for every 35 linear feet of lot line. If a fence or wall is provided, the side facing away from the industrial use must be at least as finished in appearance as the side facing the industrial use. The fence or wall must be placed at least 3 feet inside the property line of the proposed development and 3 small shrubs per 25 linear feet of lot line must be provided between the fence or wall and the property line. If a vegetative screen is proposed, it must be at least 6 feet in height at the time of planting.

D. **Industrial Abutting Commercial.** Where an industrial district, building, or project abuts a commercial district, building, or project a landscape buffer must be provided by using either Option 1 or Option 2 below ([see Figure 5-9](#)).

1. **Option 1.** A landscape buffer area at least 10 feet wide must be provided by the proposed development along the shared border. The buffer area must consist of natural landscape materials such as grasses, ground cover, shrubs and trees. Parking or impervious surface areas are

prohibited in the buffer area. One shade or evergreen tree and 4 large shrubs must be provided for every 30 linear feet of lot line. Plant spacing should be designed to minimize sound, light and noise impacts.

2. **Option 2.** An opaque wall, berm, fence or dense (50% opacity) vegetative screen at least 6 feet tall must be provided with 1 shade tree provided for every 40 linear feet of lot line. If a fence or wall is provided, the side facing away from the industrial use must be at least as finished in appearance as the side facing the industrial use. The fence or wall must be placed at least 3 feet inside the property line of the proposed development and 3 small shrubs per 25 linear feet of lot line must be provided between the fence and wall and the property line. If a vegetative screen is proposed, it must be at least 6 feet in height at the time of planting.

5.9 RESIDENTIAL DISTRICTS

In the R1, R2, R3, and R4 districts and single-family attached, detached, and townhome residential projects in the MU-COR district, at the time of development, trees must be provided on the lot being developed as follows:

Lot Size (square feet)	Number of Trees Required
Up to 3,500	1
3,500-9,999	2
10,000-19,999	3
20,000 and above	4

In addition to the provisions for street frontage landscaping and the lot planting requirements above, trees must be provided or preserved on site at a rate of 10 shade trees per acre of open space and common area.

5.10 SCREENING OF FACILITIES AND EQUIPMENT

A. **Mechanical Equipment.**

1. Roof-mounted mechanical equipment must be screened by a parapet wall or similar feature that is an integral part of the building's architectural design. The parapet wall or similar feature must be

enough to screen the mechanical equipment from all sides when viewed from ground level from any street bounding the block on which the property is located.

2. In Commercial districts, Mixed-Use districts, and Residential districts developed with multi-family dwellings, ground-mounted mechanical equipment must be screened when viewed from ground level from adjoining properties and from all streets bounding the block on which the property is located, by landscaping or by a decorative wall or fence that incorporates at least one of the primary materials and colors of the nearest wall of the primary structure. The wall must be of a height equal to or greater than the height of the mechanical equipment being screened. If landscaping is used for screening, the screening material must be designed to provide 75% opacity within one year after planting along the full required height and length of the screening buffer.

B. Loading and Service Areas.

1. General Requirement. These standards apply to all exterior areas containing without limitation garbage dumpsters, grease/oil tanks, recycling bins and cardboard compactors, on all properties containing multi-family dwelling, commercial, institutional, industrial or mixed-uses.
 - a. In all districts, non-enclosed service areas and off-street loading areas must be screened when viewed from ground level from all streets bounding the block on which the property is located.
 - b. Service areas must not be in any front yard.
 - c. All waste containers and dumpsters must be equipped with a lid covering or be in a roofed enclosure.

The following are exempt from the requirements of this section:

- Containers located behind a building and not visible from a public right-of-

way or adjoining single-family, multi-family, mixed-use, or public property.

- The temporary purpose of disposing of waste generated during the time of an active building permit, or 180 days, whichever is shorter, for the demolition or construction of improvements on the property upon which the commercial container is located.
 - Waste or recycling containers being 96 gallons or less in size serving single-family attached dwellings, single-family detached dwellings, two-family dwellings, triplexes and fourplexes.
 - On a temporary basis, containers for a special event authorized by the Town.
2. Service areas that are not located adjacent to a wall of a principal or accessory structure must be screened from view as follows:
 - On 3 sides with a wall or fence constructed of masonry, brick, wood, stone, or similar material and at least as tall as the items in the service area being screened;
 - On the fourth side an opaque gate constructed of wood or metal and at least as tall as the items in the service area being screened.
 3. Service areas located adjacent to a wall of a principal or accessory structure must be screened from view as follows:
 - On 2 sides with a wall that is (i) constructed of the same principal materials and colors used on the wall of the principal or accessory building that forms the third wall of the enclosure, and (ii) at least as tall as the items in the service area being screened; and (iii) in compliance with applicable fire and building codes;
 - On the fourth side, an opaque gate constructed of wood or metal and at least as tall as the items in the service area being screened.

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5.11 IMAGES

STREET FRONTAGE TREES IN FRONT YARD

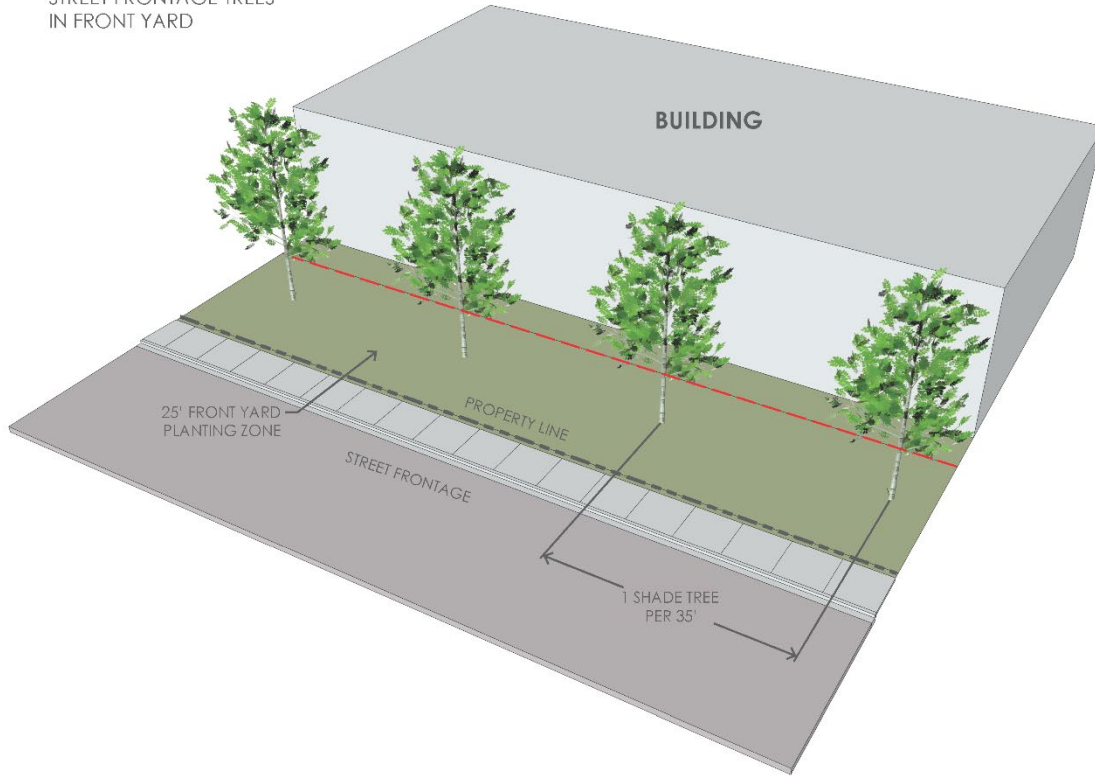


Figure 5-1: Street Frontage Landscaping Placed in Front Yard

STREET FRONTAGE TREES IN FRONT YARD (OVERHEAD LINES)

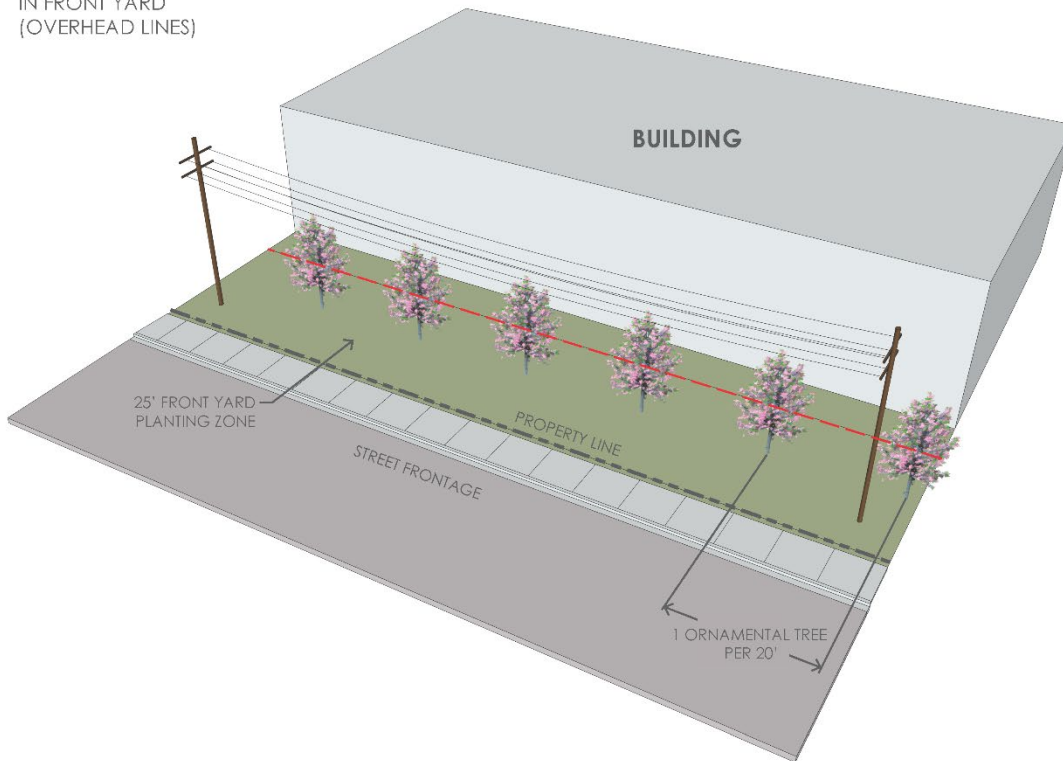


Figure 5-2: Street Frontage Landscaping Placed in Front Yard when Overhead Power Lines are Present.

STREET FRONTAGE TREES
IN RIGHT-OF-WAY

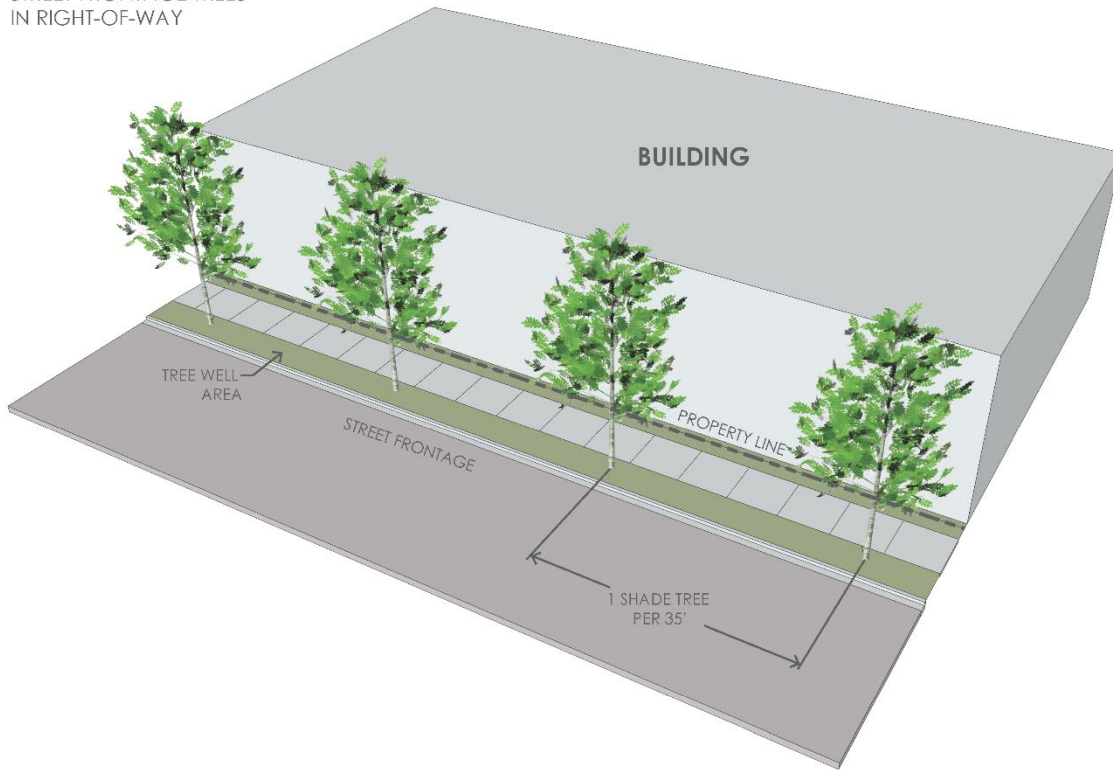


Figure 5-3: Street Frontage Landscaping in Tree Well

STREET FRONTAGE TREES
IN RIGHT-OF-WAY
(OVERHEAD LINES)

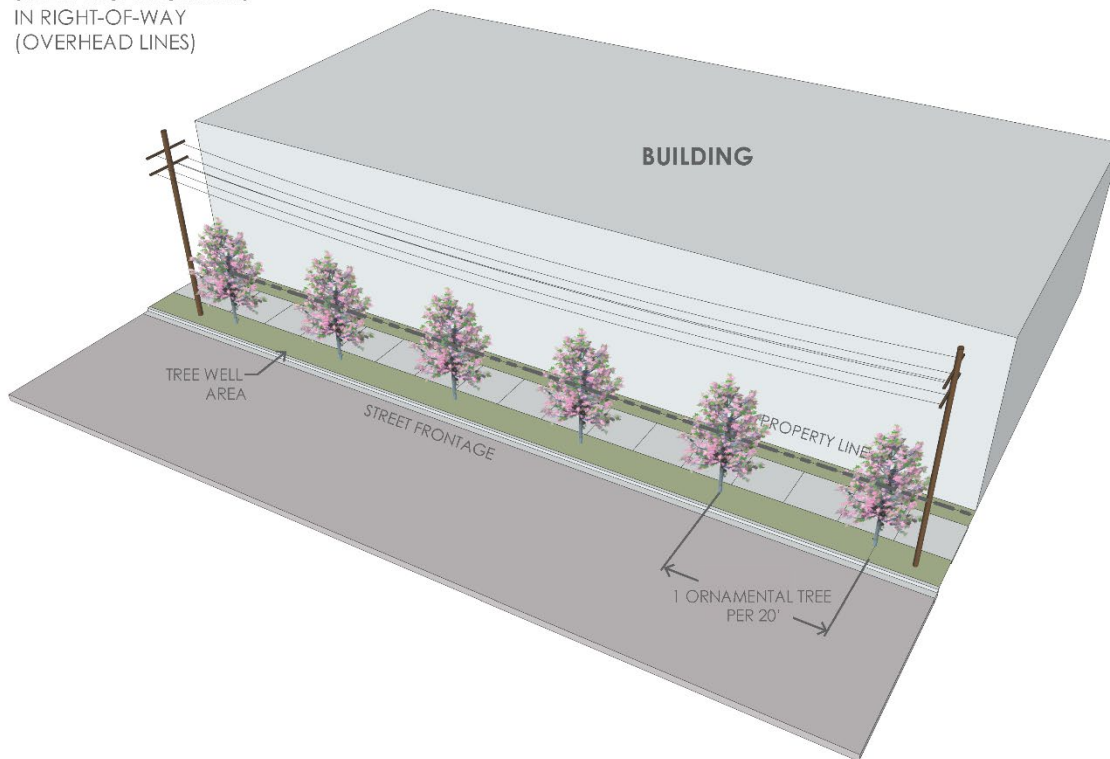


Figure 5-4: Street Frontage Landscaping in Tree Well when Overhead Power Lines are Present.

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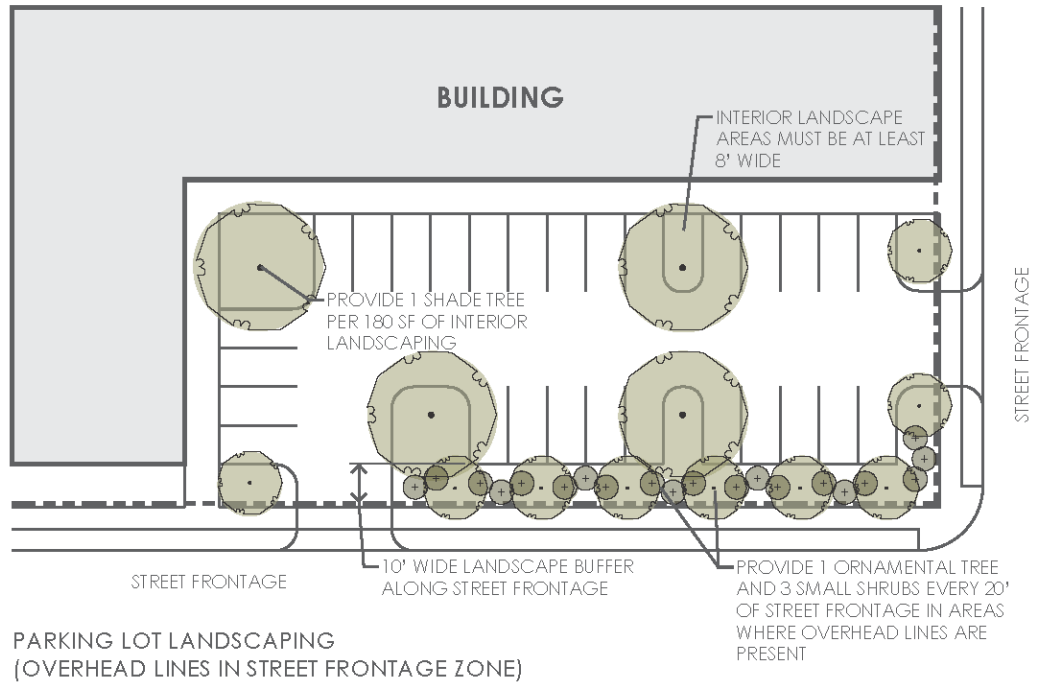
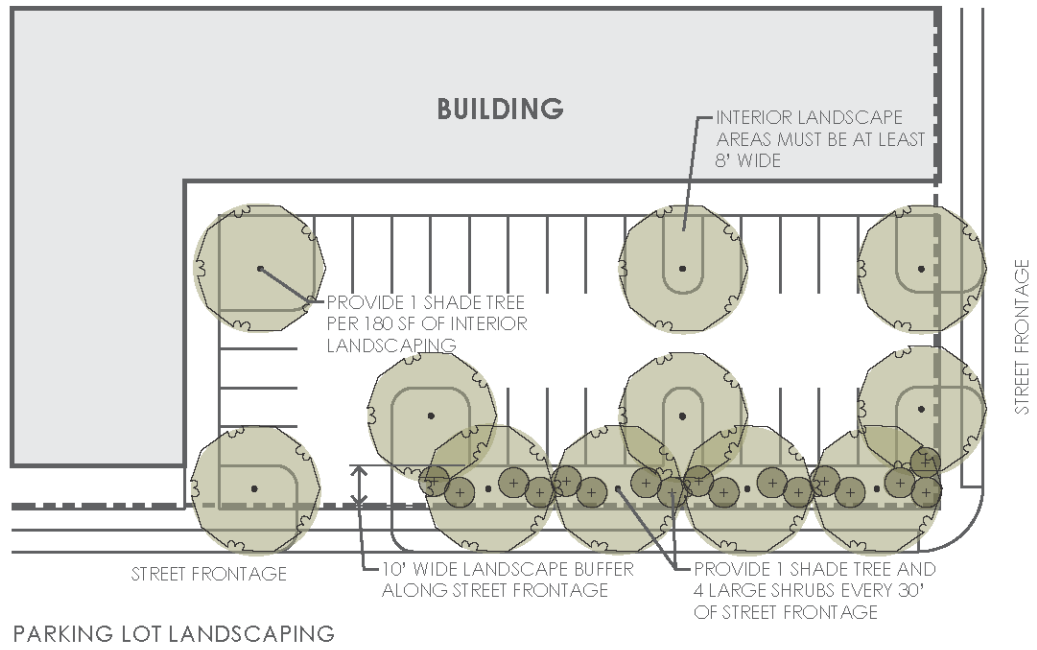
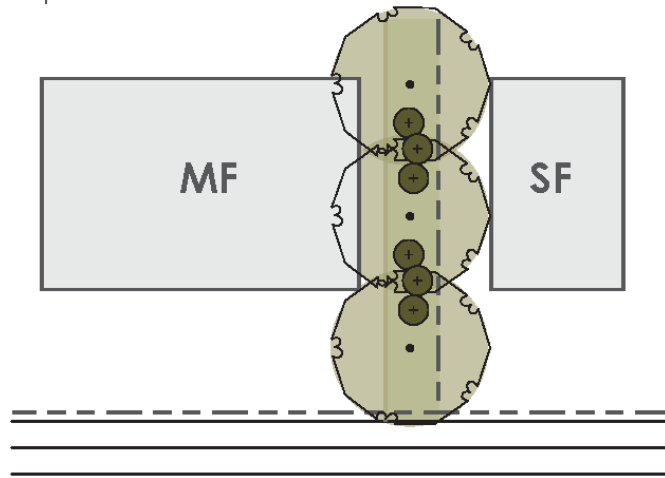
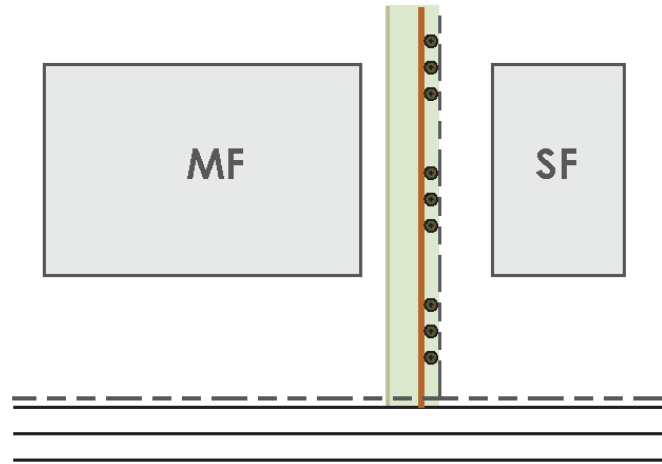


Figure 5-5: Parking Lot Landscaping

Option 1



Option 2 | Wall / Fence



Option 2 | Vegetative Screen

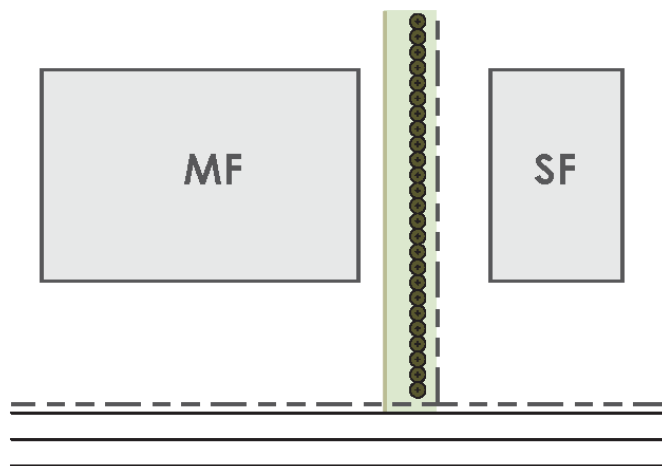
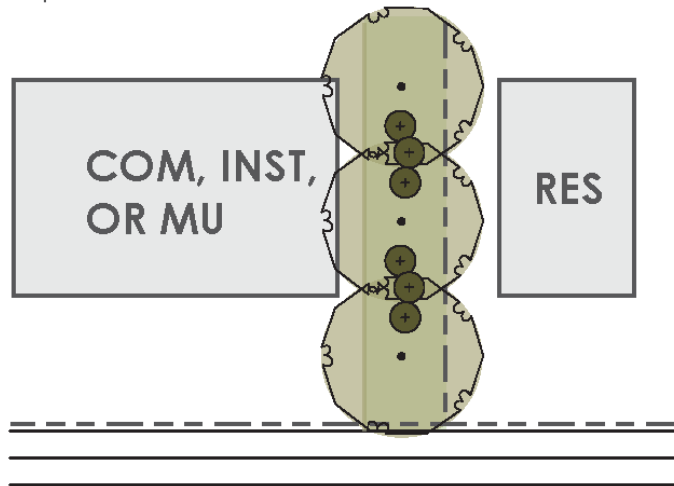
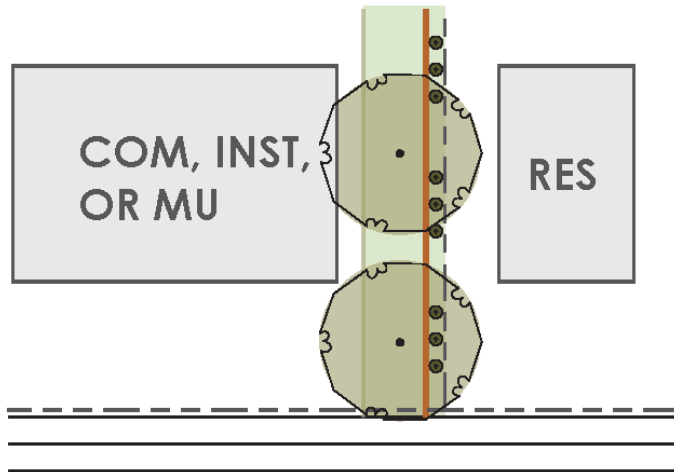


Figure 5-6: Landscape Buffer – Multifamily Residential abutting Single-Family Residential

Option 1



Option 2 | Wall / Fence



Option 2 | Vegetative Screen

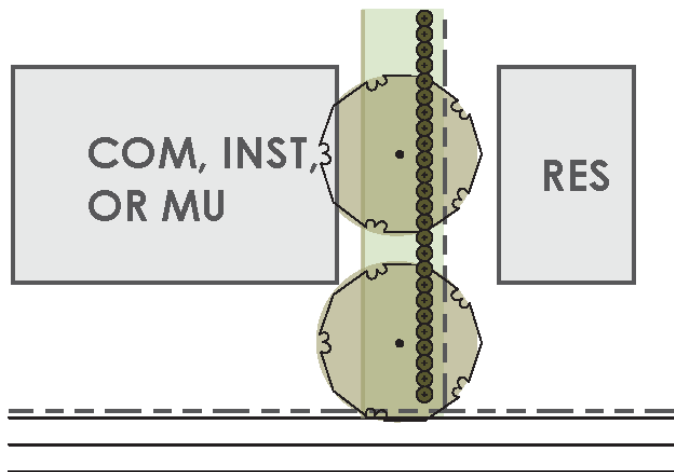
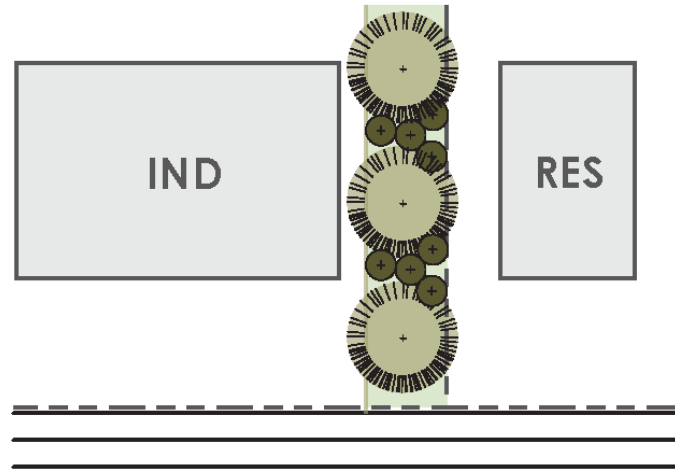
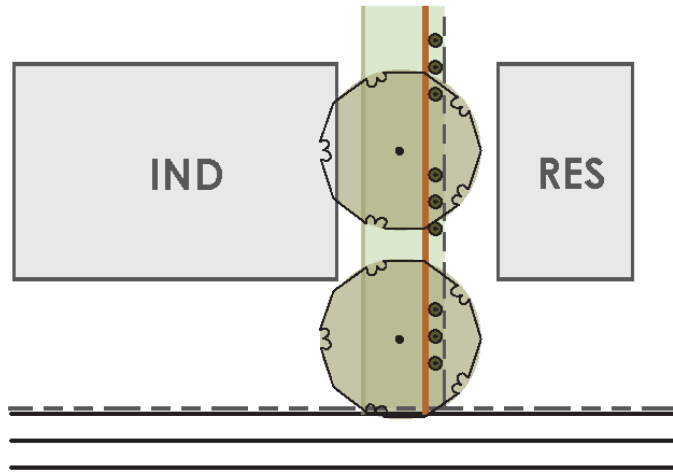


Figure 5-7: Landscape Buffer – Commercial, Institutional, or Mixed Use abutting Residential.

Option 1



Option 2 | Wall / Fence



Option 2 | Vegetative Screen

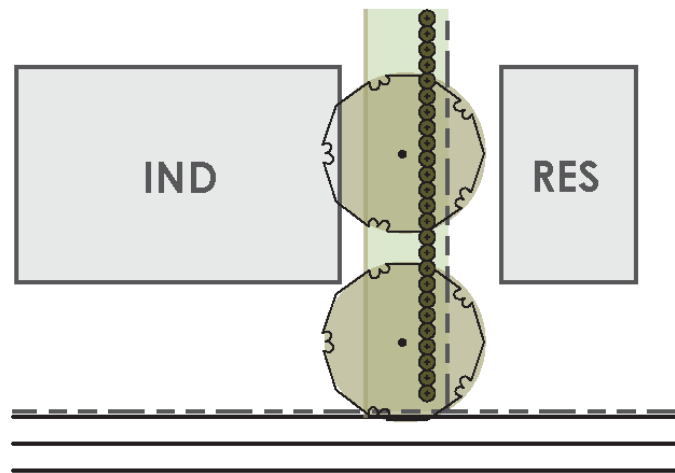
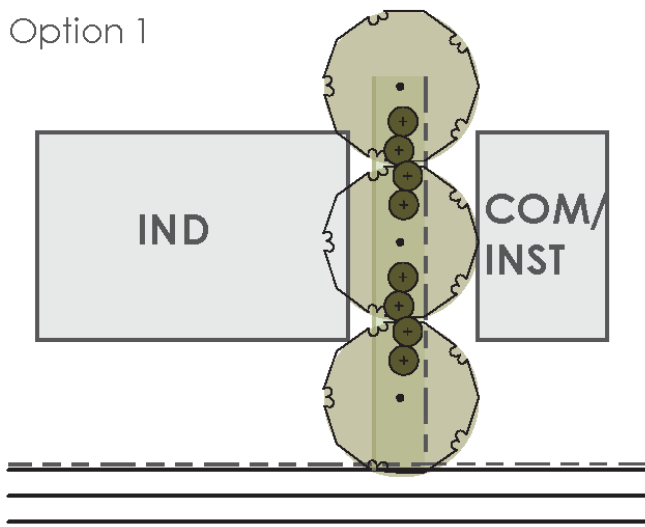
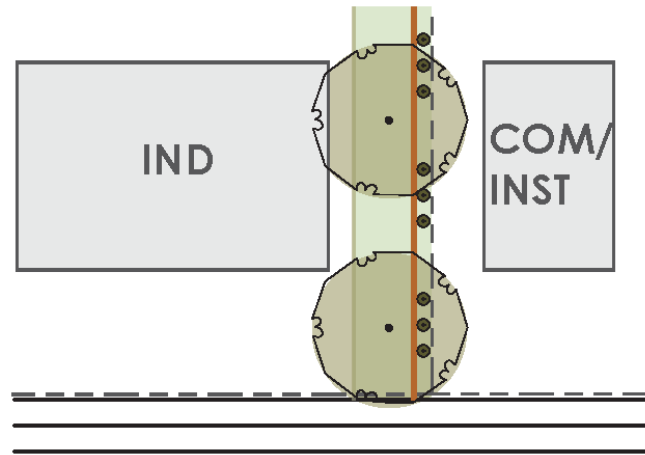


Figure 5-8: Landscape Buffer – Industrial abutting Residential

Option 1



Option 2 | Wall / Fence



Option 2 | Vegetative Screen

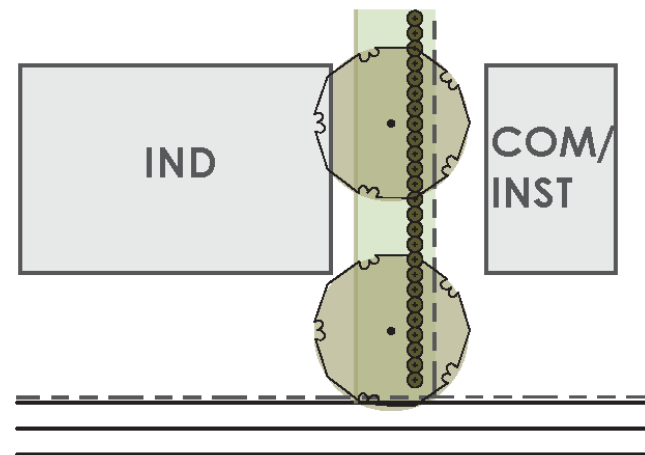


Figure 5-9: Landscape Buffer – Industrial abutting Commercial or Institutional

GENERAL PROVISIONS

DISTRICTS

SPECIFIC USES

DESIGN STANDARDS

LANDSCAPE

LIGHTING

PARKING

SIGNS

SUBDIVISION

ADMIN

PROCESS

DEFINITIONS

5.12 APPENDIX A – APPROVED PLANT LIST

Approved Tree Species

Scientific Name	Common Name	Max. Height	Max. Spread	Native	Approved Street Tree	Use Under Utility Lines
Abies concolor	White Fir	70'	30'	No		
Acer griseum	Paperbark Maple	25'	35'	No	Yes	Yes
Acer miyabei	Miyabe Maple	40'	35'	No		
Acer nigrum/saccharum subsp. nigrum	Black Maple	90'	25'	Yes	Yes	
Acer palmatum 'Osakazuki'	Osakazuki Japanese Maple	25'	15'	No		
Acer rubrum	Red Maple	90'	70'	Yes	Yes	
Acer saccharum	Sugar Maple	75'	50'	Yes	Yes	
Acer x freemanii	Freeman Maple/Hybrid Red Maple	60'	40'	Yes	Yes	
Aesculus flava	Yellow Buckeye	75'	50'	Yes		
Aesculus glabra	Ohio Buckeye	40'	40'	Yes		
Aesculus x carnea	Red Horse Chestnut	40'	35'	No		
Amelanchier arborea	Downy Serviceberry	25'	20'	No	Yes	Yes
Amelanchier laevis	Allegheny Serviceberry	40'	40'	Yes		
Amelanchier spp.	Serviceberry	25'	20'	Yes		Yes
Amelanchier x grandiflora 'Autumn Brilliance'	Autumn Brilliance Serviceberry	25'	25'	No	Yes	Yes
Asimina triloba	Pawpaw	30'	25'	Yes		Yes
Betula alleghaniensis	Yellow Birch	75'	65'	Yes		
Betula nigra	River Birch	70'	60'	Yes	Yes	
Betula populifolia	Gray Birch	40'	20'	Yes		
Carpinus betulus 'Fastigiata'	Common Hornbeam	40'	30'	No	Yes	
Carpinus caroliniana	American Hornbeam	30'	30'	Yes	Yes	Yes
Carya cordiformis	Bitternut Hickory	80'	50'	Yes		
Carya glabra	Pignut Hickory	80'	40'	Yes		
Carya illinoensis	Pecan	100'	70'	Yes		
Carya laciniata	Shellbark Hickory	80'	60'	Yes		
Carya ovalis	Red Hickory	80'	70'	Yes		
Carya ovata	Shagbark Hickory	90'	70'	Yes		
Carya pallida	Sand Hickory	100'	70'	Yes		
Carya texana	Black Hickory	50'-100'	45'	Yes		
Carya tomentosa	Mockernut Hickory	80'	60'	Yes		
Catalpa speciosa	Northern Catalpa	70'	50'	Yes		
Celtis laevigata	Sugarberry	70'	60'	Yes		
Celtis occidentalis	Hackberry	80'	60'	Yes	Yes	

GENERAL PROVISIONS

DISTRICTS

SPECIFIC USES

DESIGN STANDARDS

LANDSCAPE

LIGHTING

PARKING

SIGNS

SUBDIVISION

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PROCESS

DEFINITIONS

GENERAL PROVISIONS	Approved Tree Species								
DISTRICTS									
SPECIFIC USES									
DESIGN STANDARDS									
LANDSCAPE									
LIGHTING									
PARKING									
SIGNS									
SUBDIVISION									
ADMIN									
PROCESS									
DEFINITIONS									
DISTRICTS	Scientific Name	Common Name	Max. Height	Max. Spread	Native	Approved Street Tree	Use Under Utility Lines		
	Cercis canadensis	Eastern Redbud	30'	20'	Yes	Yes	Yes		
	Chionanthus virginicus	Fringetree	20'	15'	Yes		Yes		
	Cladrastis lutea	Yellowwood	50'	55'	Yes				
	Cornus alternifolia	Pagoda Dogwood	25'	20'	Yes			Yes	
	Cornus florida	Flowering Dogwood	30'	35'	Yes			Yes	
	Cornus kousa	Kousa Dogwood	30'	30'	No				
	Cornus mas	Cornelian Cherry Dogwood	25'	20'	No	Yes	Yes		
	Cotinus coggygria	Smoketree	15'	15'	No			Yes	
	Crataegus phaenopyrum	Washington Hawthorn	30'	30'	No	Yes			
	Crataegus punctata	Dotted Hawthorn	25'	25'	Yes			Yes	
	Crataegus viridis	Green Hawthorn	35'	35'	Yes	Yes			
	Cuprocyparis leylandii	Leyland Cypress	70'	15'	No				
	Diospyros virginiana	Persimmon	60'	35'	Yes				
	Euonymus atropurpurea	Eastern Wahoo	20'	25'	Yes			Yes	
	Fagus grandifolia	American Beech	80'	80'	Yes				
	Fagus sylvatica 'Tricolor'	Tricolor Beech	30'	30'	No				
	Ginkgo biloba	Ginkgo (male)	80'	40'	No	Yes			
	Gleditsia triancanthos var. inermis	Thornless Honeylocust	80'	50'	Yes	Yes			
	Gymnocladus dioica	Kentucky Coffeetree	100'	40'	Yes	Yes			
	Hamamelis virginiana	Witchhazel	15'	15'	Yes			Yes	
	Juglans cinerea	Butternut	60'	60'	Yes				
	Juglans nigra	Black Walnut	100'	100'	Yes				
	Juniperus virginiana	Eastern Red Cedar	65'	25'	Yes				
	Koelreuteria paniculata	Goldenrain Tree	50'	35'	No				
	Larix laricina	Eastern Larch (Tamarack)	80'	30'	Yes				
	Liquidambar styraciflua	Sweetgum	60'	40'	Yes	Yes			
	Liriodendron tulipifera	Tulip Tree	150'	50'	Yes	Yes			
	Maackia amurensis	Amur Maackia	30'	30'	No	Yes			
	Magnolia acuminata	Cucumber Magnolia	70'	35'	Yes				
	Magnolia stellata	Star Magnolia	20'	15'	No			Yes	
	Magnolia tripetala	Umbrella Magnolia	30'	30'	Yes				
	Magnolia x soulgiana	Saucer Magnolia	25'	30'	Yes			Yes	
	Malus 'Adams'	Adams Crabapple	25'	25'	No			Yes	
	Malus 'Centurion'	Centurion Crabapple	25'	20'	No			Yes	
	Malus coronaria	Wild Sweet Crabapple	25'	25'	Yes	Yes			
	Malus floribunda	Japanese Flowering Crabapple	25'	25'	No			Yes	

Approved Tree Species

Scientific Name	Common Name	Max. Height	Max. Spread	Native	Approved Street Tree	Use Under Utility Lines
Malus ioensis	Prairie Crabapple	30'	35'	Yes		Yes
Malus sargentii	Sargent Crabapple	10'	15'	No		Yes
Morus rubra	Red Mulberry	50'	40'	Yes		
Nyssa sylvatica	Black Gum	50'	30'	Yes		
Ostrya virginiana	Hophornbeam	45'	40'	Yes	Yes	
Oxydendrum arboreum	Sourwood	50'	25'	Yes		
Picea abies	Norway Spruce	60'	30'	No		
Picea omorika	Serbian Spruce	60'	20'	No		
Picea pungens' Glauca'	Colorado Blue Spruce	60'	20'	No		
Pinus banksiana	Jack Pine	50'	30'	Yes		
Pinus strobus	Eastern White Pine	80'	40'	Yes		
Pinus sylvestris	Scotch Pine	50'	30'	No		
Pinus virginiana	Virginia Pine/Scrub Pine	30'	20'	Yes		
Platanus acerifolia	Columbia London Planetree	80'	65'	No	Yes	
Platanus occidentalis	Sycamore	90'	70'	Yes		
Populus balsamifera	Balsam Poplar	100'	70'	Yes		
Populus deltoides	Cottonwood	80'	60'	Yes		
Prunus americana	American Plum	25'	20'	Yes		Yes
Prunus cerasifera	Purple-Leaf Plum	20'	20'	No		Yes
Prunus maakii	Amur Chokecherry	25'	20'	No		Yes
Prunus pendula	Weeping Higan Cherry	25'	25'	No		
Prunus pensylvanica	Pin Cherry/ Fire Cherry	40'	30'	Yes		
Prunus serotina	Wild Black Cherry	80'	60'	Yes		
Prunus serrulata 'Kwanzan'	Kwanzan Cherry	25'	25'	No		
Pseudotsuga menziesii	Douglas Fir	80'	20'	No		
Ptelea trifoliata	Hoptree	25'	15'	Yes		Yes
Pyrus coronaria	Wild Sweet Crabapple	30'	30'	Yes		
Quercus alba	White Oak	100'	90'	Yes	Yes	
Quercus bicolor	Swamp White Oak	90'	70'	Yes	Yes	
Quercus coccinea	Scarlet Oak	70'	50'	Yes		
Quercus ellipsoidalis	Northern Pin Oak	70'	60'	Yes		
Quercus falcata	Southern Red Oak	80'	50'	Yes		
Quercus imbricaria	Shingle Oak	60'	50'	Yes	Yes	
Quercus lyrata	Overcup Oak	60'	60'	Yes		
Quercus macrocarpa	Bur Oak	80'	80'	Yes		
Quercus marilandica	Blackjack Oak	35'	25'	Yes		
Quercus michauxii	Swamp Chestnut Oak	60'	50'	Yes		

GENERAL PROVISIONS

DISTRICTS

SPECIFIC USES

DESIGN STANDARDS

LANDSCAPE

LIGHTING

PARKING

SIGNS

SUBDIVISION

ADMIN

PROCESS

DEFINITIONS

GENERAL PROVISIONS	Approved Tree Species						
DISTRICTS							
SPECIFIC USES							
DESIGN STANDARDS							
LANDSCAPE							
LIGHTING							
PARKING							
SIGNS							
SUBDIVISION							
ADMIN							
PROCESS							
DEFINITIONS							
DISTRICTS	Scientific Name	Common Name	Max. Height	Max. Spread	Native	Approved Street Tree	Use Under Utility Lines
Quercus muehlenbergii	Chinkapin Oak	60'	70'	Yes			
Quercus pagoda	Cherrybark Oak	110'	50'	Yes			
Quercus palustris	Pin Oak	70'	60'	Yes			
Quercus prinus	Chestbut Oak	70'	70'	Yes			
Quercus robur f. fastigiata	English Oak	60'	20'	Yes	Yes		
Quercus rubra	Northern Red Oak	70'	60'	Yes	Yes		
Quercus shumardii	Shumard Oak	60'	40'	Yes			
Quercus stellata	Post Oak	50'	50'	Yes			
Quercus velutina	Black Oak	60'	60'	Yes			
Rhus glabra	Smooth Sumac	20'	15'	Yes		Yes	
Rhus typhina	Staghorn Sumac	25'	30'	Yes			
Salix amygdaloides	Peachleaf Willow	70'	60'	Yes			
Salix nigra	Black Willow	60'	60'	Yes			
Salix sericea	Silky Willow	12'	12'	Yes			
Sassafras albidum	Sassafras	60'	40'	Yes			
Sophora japonica	Scholar Tree	75'	75'	No			
Syringa reticulata	Ivory Silk Japanese Tree Lilac	25'	15'	No	Yes	Yes	
Syringa vulgaris	Common Lilac	20'	15'	No			
Taxodium distichum	Bald Cypress	70'	45'	Yes			
Thuja occidentalis	American Arborvitae	40'	15'	Yes			
Thuja plicata	Western Arborvitae	70'	25'	Yes			
Tilia americana	Basswood	80'	50'	Yes			
Tilia cordata	Littleleaf Linden	50'	40'	No	Yes		
Tilia tomentosa	Silver Linden	50'	40'	No	Yes		
Tsuga canadensis	Canadian Hemlock	70'	35'	Yes			
Ulmus thomasii	Rock Elm/Cork Elm	80'	50'	Yes			
Ulmus alata	Winged Elm	50'	40'	Yes	Yes		
Ulmus americana 'New Harmony'	New Harmony American Elm	70'	60'	No	Yes		
Ulmus americana 'Princeton'	Princeton American Elm	70'	60'	No	Yes		
Ulmus americana 'Valley Forge'	Valley Forge American Elm	70'	60'	No	Yes		
Ulmus rubra	Slippery Elm	60'	50'	Yes			
Zelkova serrata	Japanese Zelkova	80'	75'	No	Yes		

Approved Shrub Species

Scientific Name	Common Name	Max. Height	Max. Spread	Native
Abelia x grandiflora	Glossy Abelia	6'	6'	No
Aesculus parviflora	Bottlebrush Buckeye	12'	15'	Yes
Amalanchier canadensis	Serviceberry	25'	20'	Yes
Aronia arbutifolia	Red Chokecherry	10'	6'	Yes
Aronia melanocarpa	Black Chokeberry	6'	6'	Yes
Aruncus dioicus	Goat's Beard	6'	4'	Yes
Buddleia davidii	Butterfly Bush	6'	6'	No
Buxus microphylla	Littleleaf Boxwood	4'	4'	No
Buxus spp.	Glencoe or Green Velvet Boxwood	4'	4'	No
Callicarpa dichotoma	Beautyberry	6'	6'	Yes
Calycanthus floridus	Carolina Allspice	12'	12'	Yes
Caryopteris x clandonensis	Bluebeard	3'	3'	No
Ceanothus americanus	New Jersey Tea	4'	6'	Yes
Cephalanthus occidentalis	Buttonbush	12'	8'	Yes
Chaenomeles speciosa	Flowering Quince	10'	15'	No
Clethra alnifolia	Summersweet Clethra	6'	5'	Yes
Comptonia peregrina	Sweet Fern	4'	8'	Yes
Cornus amomum	Silky Dogwood	10'	10'	Yes
Cornus sericea	Redosier/Red Stemmed Dogwood	10'	8'	Yes
Corylus americana	American Hazlenut	10'	15'	Yes
Cotinus coggygria	Smoke Bush	15'	15'	Yes
Cotoneaster divaricatus	Spreading Cotoneaster	6'	8'	No
Daphne x burkwoodii	Daphne Burkwood	4'	4'	No
Deutzia gracilis	Slender Deutzia	3'	4'	No
Elaeagnus commutata	Silverberry	10'	6'	Yes
Euonymus americanus	Strawberry Bush	6'	6'	Yes
Euonymus atropurpureus	Eastern Wahoo	20'	15'	Yes
Forsythia x intermedia	Border Forsythia	10'	15'	No
Fothergilla gardenii	Fothergilla	3'	4'	Yes
Fothergilla major	Large Fothergilla	10'	9'	Yes
Fothergilla 'Mount Airy'	Mount Airy Fothergilla	5'	5'	Yes
Fothergilla x intermedia 'Blue Shadow'	Blue Shadow Fothergilla	6'	6'	Yes
Hamamelis virginiana	Witchhazel	15'	15'	Yes
Heptacodium miconioides	Seven-son Flower	20'	10'	No
Hibiscus syriacus	Rose-of-Sharon	12'	12'	No
Hydrangea aborescens	Smooth Hydrangea	5'	5'	Yes
Hydrangea quercifolia	Oak Leaf Hydrangea	10'	8'	Yes

GENERAL PROVISIONS

DISTRICTS

SPECIFIC USES

DESIGN STANDARDS

LANDSCAPE

LIGHTING

PARKING

SIGNS

SUBDIVISION

ADMIN

PROCESS

DEFINITIONS

GENERAL PROVISIONS

Approved Shrub Species

DISTRICTS

Scientific Name	Common Name	Max. Height	Max. Spread	Native
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Ilex glabra	Inkberry	12'	12'	Yes
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Ilex verticillata	Winterberry	12'	12'	Yes
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SPECIFIC USES

Ilex x meserveae	Blue Holly	8'	8'	No
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Itea virginica	Virginia Sweetspire	6'	14'	Yes
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Juniperus aquamata 'Blue Carpet'	Blue Carpet Juniper	1'	5'	Yes
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DESIGN STANDARDS

Juniperus aquamata 'Blue Star'	Blue Star Juniper	3'	4'	Yes
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Juniperus communis	Common Juniper	10'	12'	Yes
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Juniperus horizontalis 'Plumosa'	Andorra Juniper	18'	5'	Yes
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Kalmia latifolia	Mountain Laurel	10'	10'	Yes
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LANDSCAPE

Kerria japonica	Japanese Kerria	6'	9'	No
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Kolkwitzia amabilis	Beautybush	10'	10'	No
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Ligustrum vicaryi	Golden Privet	12'	13'	No
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Lindera benzoin	Spicebush	12'	12'	Yes
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Lonicera involucrata	Twinberry	10'	10'	Yes
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LIGHTING

Myrica pensylvanica	Bayberry	12'	12'	Yes
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Persicaria polymorpha	Knotweed	5'	4'	No
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Physocarpus opulifolius	Ninebark	8'	6'	Yes
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Physocarpus opulifolius 'Diablo'	Diablo Ninebark	8'	8'	Yes
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PARKING

Prunus glandulosa	Flowering Dwarf Almond	5'	4'	No
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Rhamnus alnifolia	Alder-leaved Buckthorn	3'	3'	Yes
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Rhododendron carolinianum	Carolina Rhododendron	5'	10'	No
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Rhododendron catawbiense	Catawba Rhododendron	10'	20'	No
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SIGNS

Rhododendron PJM hybrids	PJM Rhododendron	6'	5'	No
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Rhodotypos scandens	Jetbead	4'	3'	No
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Rhus aromatica 'Gro Low'	Gro Low Fragrant Sumac	3'	8'	No
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Rhus copallinum	Shining Sumac	15'	20'	Yes
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SUBDIVISION

Rhus glabra	Smooth Sumac	15'	15'	Yes
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Ribes alpinum 'Green Mound'	Alpine Currant	3'	3'	No
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Rosa glauca/rubrifolia	Redleaf Rose	8'	7'	No
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Rosa knockout	Knockout Roses	4'	4'	No
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ADMIN

Salix eleagnos	Rosemary Willow	10'	8'	No
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Sambucus canadensis	American Elderberry	12'	12'	Yes
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Sambucus racemosa	American Red Elderberry	12'	15'	Yes
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Shepherdia argentea	Buffaloberry	8'	8'	Yes
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PROCESS

Staphylea trifolia	Bladdernut	12'	12'	Yes
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Stephanandra incisa	Cutleaf Stephanandra	3'	4'	No
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Symphoricarpos x chenaultii	Snowberry	6'	8'	No
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Syringa patula	Miss Kim Lilac	8'	10'	No
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DEFINITIONS

Appendix A – Approved Plant List

Chapter 5 – Landscaping Standards

Approved Shrub Species

Scientific Name	Common Name	Max. Height	Max. Spread	Native
Syringa x chinensis	Chinese Lilac	15'	15'	No
Taxus x media	Yew	6'	12'	Yes
Vibrunum lentago	Nannyberry	15'	12'	Yes
Viburnum dentatum	Arrowwood Viburnum	15'	15'	Yes
Viburnum ferreri	Fragrant Viburnum	10'	10'	No
Viburnum lantana	Wayfaring Tree	10'	10'	No
Viburnum nudum v. cassinoides	Smooth Witherod Viburnum	10'	10'	Yes
Viburnum opulus	European Cranberry	12'	12'	No
Viburnum plicatum	Doublefile Viburnum	10'	10'	No
Viburnum prunifolium	Blackhaw Viburnum	15'	12'	Yes
Viburnum rufidulum	Rusty Blackhaw Viburnum	15'	12'	No
Viburnum sieboldii	Siebold Viburnum	30'	12'	No
Viburnum x burwoodii	Burkwood Viburnum	10'	10'	No
Viburnum x judii	Judd Viburnum	10'	10'	No
Weigela florida	Old Fashioned Weigla	10'	12'	No
Weigela florida 'Wine and Roses'	Wine and Roses Weigela	5'	6'	No
Yucca filamentosa	Yucca	5'	5'	Yes

GENERAL PROVISIONS

DISTRICTS

SPECIFIC USES

DESIGN STANDARDS

LANDSCAPE

LIGHTING

PARKING

SIGNS

SUBDIVISION

ADMIN

PROCESS

DEFINITIONS

GENERAL PROVISIONS

Approved Ornamental Grass Species

DISTRICTS

Scientific Name	Common Name	Max. Height	Max. Spread	Native
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SPECIFIC USES

Caerulea arundinacea 'Windspiel'	Grass Molinia Moor	7'	4'	Yes
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DESIGN STANDARDS

Carex buchananii	Leatherleaf Sedge	2.5'	3'	Yes
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Carex morrowii 'Ice Dance'	Ice Dance Sedge	1'	2'	Yes
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Carex morrowii 'Variegata'	Variegated Japanese Sedge	1.5'	1'	No
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Chasmanthium latifolium	Northern Sea Oats	5'	3'	Yes
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Clamagrostis x acutiflora	Feather Reed Grass	5'	2'	Yes
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Festuca glauca	Blue Fescue	1'	1'	No
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Juncus effusus	Common Rush/Soft Rush	4'	4'	Yes
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Liriope muscari	Lily Turf	1.5'	9"	No
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LANDSCAPE

Panicum virgatum	Switch Grass	6'	3'	No
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Pennisetum alopecuroides	Fountain Grass	5'	5'	Yes
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Pennisetum alopecuroides 'Hamein'	Dwarf Fountain Grass	2'	1.5'	No
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Sesleria autumnalis	Autumn Moor Grass	1'	1'	No
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LIGHTING

Schoenoplectus acutus	Hardstem Bulrush	6'	4'	Yes
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Schoenoplectus pungens	Common Threesquare	4'	3'	Yes
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Sisyrinchium angustifolium	Blue-Eyed Grass	2'	1'	Yes
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PARKING

Spartina pectinata 'Aureomarginata'	Variegated Prairie Cord Grass	6'	4'	Yes
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Approved Groundcover and Vine Species

Scientific Name	Common Name	Max. Height	Max. Spread	Native
Aeqopodium podagraria 'Variegatum'	Bishop's Weed	2'	4'	No
Ajuga reptans	Bugleweed	10"	2'	No
Arctostaphylos uva-ursi	Bearberry	8"	1'	Yes
Asarum canadense	Wild Ginger	1'	1.5'	Yes
Asarum europaeum	Wild Ginger	.5'	1.5'	No
Asclepias incarnata	Swamp Milkweed	5'	3'	Yes
Celastrus scandens	American Bittersweet	20'	6'	Yes
Convallaria majalis	Lily of the Valley	1'	1'	Yes
Cotoneaster dammeri	Cotoneaster Bearberry	2'	1'	No
Epimedium x rubrum	Barrenwort	2'	4'	No
Galium odoratum	Sweet Woodruff	1'	2'	No
Helleborus spp.	Hellebore	1.5'	1.5'	Yes
Iris cristata	Crested Dwarf Iris	9"	1'	Yes
Liatris pycnostachya	Prairie Blazing Star	5'	2'	Yes
Liatris spicata 'Kobold'	Kobold Blazing Star	2.5'	1'	Yes
Lobelia cardinalis (incl. hybrid cultivars)	Cardinal Flower	4'	2'	Yes
Lonicera sempervirens	Coral Honeysuckle	15'	6'	Yes
Lonicera x heckrottii	Everblooming Honeysuckle	15'	6'	Yes
Partenocissus quinquefolia	Virginia Creeper	50'	variable	Yes
Phlox paniculata 'Katherine'	Summer Phlox	2.5'	2'	Yes
Phlox paniculata 'David'	Summer Phlox	4'	3'	Yes
Phlox paniculata 'Shortwood'	Summer Phlox	4'	3'	Yes
Vernonia fasciculata	Prairie Ironweed	4'	3'	Yes
Waldsteinia fragarioides	Barren Strawberry	0.5'	1'	Yes

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PROVISIONS**5.13 APPENDIX B – PROHIBITED PLANT LIST**

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Prohibited Plant SpeciesSPECIFIC
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Scientific Name	Common Name	Reason
Acer campestre	Hedge Maple	Invasive
Acer ginnala	Amur Maple	Invasive
Acer negundo	Box Elder	Weak Wood; Aggressive
Acer platanoides	Norway Maple	Invasive
Acer saccharinum	Silver Maple	Weak Wood; Aggressive
Acer tartarium	Tartarian Maple	Invasive
Achyranthes japonica	Japanese Chaff Flower	Highly Invasive
Ailanthus altissima	Tree of Heaven	Invasive; Suckers; Weak Wood
Alliaria petiolate	Garlic Mustard	Invasive
Alnus glutinosa	Black Alder	Invasive
Amaranthus hybridus	Smooth Pigweed	Noxious Weed
Amaranthus palmeri	Palmer Amaranth	Noxious Weed
Amaranthus powellii	Powell Amaranth	Noxious Weed
Amaranthus retroflexus	Rough Pigweed	Noxious Weed
Amaranthus rudis	Common Waterhemp	Noxious Weed
Amaranthus tuberculatus	Tall Waterhemp	Noxious Weed
Ampelopsis brevipedunculata	Porcelain Berry	Invasive
Artemisia vulgaris	Mugwort	Highly Invasive
Arthraxon hispidus	Small Carpgrass	Highly Invasive
Arundo donax	Giant Reed	Invasive
Azolla pinnata	Mosquito Fern	Prohibited Plant Species
Berberis thunbergii	Japanese Barberry	Invasive
Berberis vulgaris	Common Barberry	Invasive
Bromus inermis	Smooth Brome	Invasive
Buddleia davidii	Butterfly Bush	Invasive
Butomus umbellatus	Flowering Rush	Invasive/Prohibited Plant Species
Cardamine impatiens	Narrowleaf Bittercress	Invasive
Carduus acanthoides	Plumeless Thistle	Invasive
Carduus nutans	Musk Thistle	Invasive
Caulerpa taxifolia	Mediterranean Killer Algae	Prohibited Plant Species
Celastrus orbiculatus	Asian Bittersweet	Invasive
Centaurea biebersteinii	Spotted Knapwood	Invasive
Cirsium arvense	Canada Thistle	Invasive/Noxious Weed
Cirsium vulgare	Bull Thistle	Invasive
Clematis terniflora	Sweet Autumn Virgins-bower	Invasive
Conium maculatum	Poison Hemlock	Invasive
Convolvulus arvensis	Field Bindweed	Invasive
Conyza xanadensis	Marestail / Horseweed	Noxious Weed

Prohibited Plant Species

Scientific Name	Common Name	Reason
Coronilla varia/Securigera varia	Crown vetch	Invasive
Cynanchum louiseae	Black Swallow-Wort	Invasive
Cynanchum rossicum	Pale Swallow-Wort	Invasive
Daucus carota	Queen Anne's Lace	Invasive
Dioscorea oppositifolia	Chinese Yam	Invasive
Dipsacus fullonum	Common Teasel	Invasive
Dipsacus laciniatus	Cut-Leaved Teasel	Invasive
Egeria densa	Brazilian Waterweed	Invasive/ Prohibited Plant Species
Eichhornia azurea	Anchored Water Hyacinth	Invasive/ Prohibited Species
Elaeagnus angustifolia	Russian Olive	Invasive; Poor Form; Shallow Roots
Elaeagnus umbellata	Autumn Olive	Invasive; Poor Form; Shallow Roots
Elymus repens	Quack Grass	Invasive
Euonymus alatus	Burning Bush	Invasive
Euonymus fortune	Wintercreeper	Invasive
Euphorbia esula	Leafy Spurge	Invasive
Festuca arundinacea	Tall Fescue	Invasive
Frangula alnus/Rhamnus frangula	Glossy Buckthorn	Invasive
Fraxinus species	Ash	Emerald Ash Borer
Galega officinalis	Goatsrue	Invasive
Ginkgo biloba (female only)	Ginkgo (female only)	Undesireable Fruit
Glechoma hederacea	Creeping Charlie	Invasive
Hedera helix	English Ivy	Invasive
Heracleum mantegazzianum	Giant Hogweed	Invasive
Hesperis matronalis	Dame's Rocket	Invasive
Humulus japonicus	Japanese Hops	Invasive
Hydrilla verticillata	Hydrilla	Invasive/Prohibited Plant Species
Hydrocharis morsus-ranae	European Frogbit	Invasive/Prohibited Plant Species
Hygrophilia polysperma	Indian Swampweed	Invasive/Prohibited Plant Species
Hypericum perforatum	St. John's Wort	Invasive
Imperata cylindrica 'Rubra	Japanese Blood Grass	Invasive Tendencies
Ipomoea aquatic	Chinese Water Spinach	Invasive/Prohibited Plant Species
Iris pseudacorus	Yellow Iris	Invasive/Prohibited Plant Species
Kummerowia stipulacea	Korean Lespedeza	Invasive
Kummerowia striata	Striate Lespedeza	Invasive
Lagarosiphon major	African Elodea	Invasive/Prohibited Plant Species
Lepidium latifolium	Pepperweed	Invasive
Lespedeza bicolor	Bicolor Lespedeza	Invasive
Lespedeza cuneate	Sericea lespedeza	Invasive
Leymus arenarius / Elymus arenarius	Sand Ryegrass	Invasive
Ligustrum amurense	Amur Privet	Invasive

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Scientific Name	Common Name	Reason
Ligustrum obtusifolium	Border Privet	Invasive
Ligustrum ovalifolium	California Privet	invasive
Ligustrum sinense	Chinese Privet	Invasive
Ligustrum vulgare	Common Privet	Invasive
Limnophila sessiliflora	Asian Marshweed	Invasive/Prohibited Plant Species
Lonicera japonica	Japanese Honeysuckle	Invasive
Lonicera maackii	Amur Honeysuckle	Invasive
Lonicera morrowii	Morrow's Honeysuckle	Invasive
Lonicera spp.	Bush Honeysuckle	Invasive
Lonicera tatarica	Tartarian Honeysuckle	Invasive
Lonicera x bella	Bella Honeysuckle	Invasive
Lysimachia nummularia	Creeping Jenny	Invasive
Lysimachia nummularia	Moneywort	Invasive
Lythrum salicaria	Purple Loosestrife	Invasive/Prohibited Plant Species
Maclura pomifera	Osage-Orange	Invasive Tendencies; Weak Wood
Mellilotus spp.	Sweet Clover	Invasive
Microstegium vimineum	Japanese Stiltgrass	Invasive
Miscanthus sinensis	Chinese Maiden Grass	Invasive
Miscanthus x gigantea	Miscanthus Hybrid	Invasive
Monochoria hastata	Arrowleaf	Prohibited Plant Species
Monochoria vaginalis	False Pickerelweed	Prohibited Plant Species
Morus alba	White Mulberry	Invasive
Myriophyllum aquaticum	Parrot Feather	Invasive/Prohibited Plant Species
Myriophyllum spicatum	Eurasian Watermilfoil	Invasive/Prohibited Plant Species
Najas Minor	Brittle Naiad	Invasive/Prohibited Plant Species
Nymphoides peltate	Yellow Floating Hearts	Invasive/Prohibited Plant Species
Ornithogalum umbellatum	Star-of-Bethlehem	Invasive
Ottelia alismoides	Duck Lettuce	Invasive/Prohibited Plant Species
Pastinaca sativa	Wild Parsnip	Invasive
Paulownia tomentosa	Princess Tree	Invasive
Phalaris arundinacea	Ribbon Grass	Invasive
Phellodendron amurense	Amur Cork Tree	Invasive
Phragmites australis	Reed Grass	Invasive
Phragmites australis ssp australis	Common Reed	Invasive
Polygonum cuspidatum	Japanese Knotweed	Invasive
Polygonum perfoliatum	Mile-A-Minute	Invasive
Potamogeton crispus	Curly-Leaved Pondweed	Invasive/Prohibited Plant Species
Pueraria lobate	Kudzu	Invasive/Pest Species
Pyrus calleryana	Callery Pear	Invasive
Pyrus species	Ornamental Pear	Weak Branching/ Invasive

Prohibited Plant Species

Scientific Name	Common Name	Reason
Quecus acutissima	Sawtooth Oak	Invasive
Ranunculus ficaria	Lesser Celandine	Invasive
Reynoutria japonica	Japanese Knotweed	Invasive
Reynoutria sachalinensis	Giant Knotweed	Invasive
Reynoutria x bohemica	Bohemian Knotweed	Invasive
Rhamnus cathartica	Common Buckthorn	Invasive
Rhodotypos scandens	Jetbead	Invasive
Robinia pseudoacacia	Black Locust	Shallow, Invasive Roots
Rosa multiflora	Multiflora Rose	Invasive/Prohibited Plant Species
Rubus phoenicolasius	Wineberry/Wine Raspberry	Invasive
Sagittaria sagittifolia	Arrowhead	Prohibited Plant Species
Salix species	Willow	Invasive Roots; Weak Wood
Salvinia auriculata/biloba/herzogii	Giant Salvinia	Prohibited Plant Species
Salvinia molesta	Giant Salvinia	Prohibited Plant Species
Saponaria officinalis	Bouncing bet/Soapwort	Invasive
Sicyos angulatus	Bur Cucumber	Noxious Weed
Sonchus arvensis	Perennial Sow Thistle	Noxious Weed
Sorbus spp.	Moutain Ash	Susceptible to Pests and Diseases
Sorghum alnum	Sorghum alnum	Noxious Weed
Sorghum bicolor	Shattercane	Noxious Weed
Sorghum halapense	Johnson Grass	Invasive/Noxious Weed
Sparganium erectum	Exotic Bur-reed	Prohibited Plant Species
Spiraea japonica	Japanese Meadowsweet	Invasive
Torilis arvensis	Spreading Hedgeparsley	Invasive
Torilis japonica	Japanese Hedgeparsley	Invasive
Trapa natans	Water Chestnut	Invasive/Prohibited Plant Species
Typha angustifolia	Narrow-leaved Cattail	Invasive/Prohibited Plant Species
Typha x glauca	Hybird Cattail	Invasive
Ulmus Americana	American Elm	Dutch Elm Disease
Ulmus pumila	Siberian Elm	Invasive; Susceptible to Disease
Viburnum opulus var. opulus	European Cranberry-Bush	Invasive
Viburnum trilobum	Highbush Cranberry	Invasive
Vicia cracca	Vetch	Invasive
Vinca Major	Large-leaved Periwinkle	Invasive
Vinca Minor	Periwinkle	Invasive
Vincetoxicum nigrum	Black Swallow-wort	Invasive
Vincetoxicum rossicum	Pale Swallow-wort	Invasive
Wisteria Sinensis	Chinese Wisteria	Invasive

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