

## BENCHMARKING LANDSCAPE ELEMENTS – JUNO BEACH

LANDSCAPING REQUIREMENTS	
JUNO BEACH	
Element 1: Minimum Development Standards	<p>Section 34-268. Site Plan Review Requirements RS-1, RS-2, RS-3, RS-4 and RS-5. Landscape open space percentage for single family home: 25%</p> <p>Section 34-290, 314, 337, 368. Building Site Area Regulations RM-1, RM-2, RMT, RH for single family: 20%, for multi-family: 15%</p> <p>Section 34-631. Building Site Area Regulations Landscape open space percentage for CG: 15%</p> <p>Section 34-658. Building Site Area Regulations Landscape open space percentage for CO: 10%</p> <p>Section 34-1084(g). Landscape Requirements The use of native vegetation plantings shall be prioritized, and all plant materials of each type, including trees, shrubs and ground cover, shall be at least 50 percent native. In addition, xeriscape principles shall be utilized in all landscape designs and installations (see section 34-1088(a)). For a list of native vegetation and guide for plant selection and landscape design, refer to the University of Florida's "The Florida Friendly Landscaping™ Guide to Plant Selection and Landscape Design."</p> <p>Section 34-907. Landscape Buffers and Landscape Barriers (separating CG commercial general and all residential zoning districts) The minimum height of the landscape barrier shall be at least six feet. Greater heights may be required in accordance with the criteria cited herein. If a single wall is constructed, it must be set back from the property line to accommodate landscaping material on the side facing the residential development. If a proposed structure is in excess of eight feet, it must be terraced or accompanied by a berm on the side of the residential development. The maximum height of a landscape barrier shall not exceed 16 feet, exclusive of trees used as part of the landscape barrier.</p> <p>Section 34-4. Definitions</p> <p><i>Harmony</i> means a quality which produces an aesthetically pleasing whole as in an arrangement of varied architectural and landscape elements. Harmony can be achieved through the proper consideration of scale, mass, bulk, proportion, height, orientation, site planning, landscaping, materials and architectural components, including, but not limited to, porches, roof types, fenestration, entrances and stylistic expression.</p> <p><i>Landscape barrier</i> means a design feature constructed within a landscape buffer which is intended to impede pedestrian or vehicular cross-movement and to provide an abrupt transition between otherwise incompatible land uses. A landscape barrier may consist of living plants (such as a hedge), structures (such as a wall or fence), changes in grade (such as a berm) or any combination thereof as determined by the town.</p> <p><i>Landscape buffer</i> means a continuous area of land which is adjacent to and abutting one or more property boundaries in which landscaping is used to provide a transition between, and to reduce any negative environmental, aesthetic or other impacts of, adjacent land uses.</p> <p><i>Landscaped open space</i> means open space which is covered and maintained with vegetation as required in the definition of "landscaping."</p> <p><i>Landscaping</i> means any of the following or combination thereof: materials such as, but not limited to, grass, ground covers, shrubs, vines, hedges, trees or palms, and other materials such as rocks, pebbles, sand, wall or fences.</p> <p>Staff notes that the Town of Juno Beach does not have a point scale system.</p>
Element 2: Landscape Plan Requirements	<p>Section 34-1080(b). Landscape Plan Submission and Approval At the time of application for approval for all site plans and site plan revisions, special exceptions, planned unit developments, and variances, except for a single-family dwelling and a duplex, a landscape plan shall be submitted for review by the planning and zoning board and approval by the town council.</p> <p>Section 34-1080(c). Landscape Plan Submission and Approval Signed and sealed landscape plans are required for all other site plans and site plan revisions, special exceptions, PUDs, and variances.</p>

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	<p>Section 34-1084(k). Landscape Requirements Changing 30 percent or more of all trees and shrubs on a site from the originally approved landscape plan shall require submittal of a new plan showing new plant types and locations to the planning and zoning department for review and approval.</p>
<p>Element 3: Landscape Design Principles (composition for aesthetic and shade)</p>	<p>Section 34-1090. Recommended Plant List The town's recommended plant list will be kept on file and will be available to the public in the planning and zoning department. This list will be continuously updated to eliminate those plants identified by the state as invasive, or otherwise detrimental to healthy local environments. It will include plants that are recommended and not identified as detrimental.</p> <p>Section 34-1307 (1), (2), and (3). Landscaping of Streets (1) Shade trees. All shade trees shall be planted at a minimum 16-foot overall height, minimum six feet of clear trunk (minimum eight feet of clear trunk if located in a county right-of-way), and spaced a maximum 30 feet on center. The town may permit additional distances between shade trees based upon site specific conditions. (2) Palm trees. Palm trees may be mixed in with shade trees; however, shade trees shall be spaced a maximum 45 feet on center with palm trees placed in between shade trees (three palms shall be considered equivalent to one shade tree). However, large specimen palms, such as coconut palms, canary island date palms, and royal palms, shall be considered shade trees if a minimum overall height of 16 feet. (3) Accent trees, shrubs and ground covers. Accent trees, shrubs and ground covers are encouraged along with shade trees. Accent trees shall be a minimum eight to ten feet overall height at time of planting. Shrubs shall be a minimum 24 inches overall height at time of planting and spaced a maximum 30 inches on center. Ground covers shall be a minimum 12 inches overall height at time of planting and spaced a maximum 18 inches on center.</p>
<p>Element 4: Preservation and Conservation areas</p>	<p>Section 34-1084 (i) and (j). Landscaping Requirements. The type and location of landscaping shall take into consideration the preservation of native vegetation areas, and the director may make exceptions to the regulations in this division to ensure the preservation of such native vegetation areas.</p> <p>All conditions and requirements of the Environmentally Sensitive Lands Ordinance, article IV, division 14 of this chapter, and section 34-1123 shall be complied with.</p>
<p>Element 5: Sustainability Efforts</p>	<p>Article VII. Florida Friendly Fertilizer Use. Establishing Definitions, purpose and intent, applicability, timing, and practices.</p> <p>Section 34-1084(g) and (h). Landscaping Requirements The use of native vegetation plantings shall be prioritized, and all plant materials of each type, including trees, shrubs and ground cover, shall be at least 50 percent native. In addition, xeriscape principles shall be utilized in all landscape designs and installations (see section 34-1088(a)). For a list of native vegetation and guide for plant selection and landscape design, refer to the University of Florida's "The Florida Friendly Landscaping™ Guide to Plant Selection and Landscape Design."</p> <p>Existing native vegetation shall be preserved to the maximum extent practicable. The town encourages applicants to make all native vegetation to be removed from the site available, either by fee or donation, to the town and its residents for reuse. The developer shall notify the town three weeks prior to vegetation removal, so that the town may notify residents by notice at town hall and phone message of such vegetation availability. Upon such notice residents shall have two weeks to contact the developer regarding removal of native vegetation.</p>
<p>Element 6: Existing Tree Protection</p>	<p>Section 34-1086. Protection of Trees and Other Vegetation to be Preserved on Site Trees and other vegetation which are to be preserved on a site shall be protected from damage during the construction process according to appropriate tree and vegetation protection techniques. The Tree Protection Manual for Builders and Developers, published by the state division of forestry, department of agriculture and consumer services, shall be the standard for determining the appropriateness of proposed techniques for tree protection. All vegetation areas shall be fenced off with screening to prevent any damage. All trees and vegetation which are to be preserved and do not survive shall be replaced by a plant or tree of equal size, or an equivalent number of trees based on trunk diameter.</p>
<p>Element 7: Perimeter and Interior Landscaping Requirements</p>	<p>Section 34-1087. Parking Area Landscaping Foundation landscaping for CG: 30% of each façade, 4' depth Parking area: A strip of 5' width abutting street, and the off-street parking area shall be landscaped Landscaping strips shall include at least 1 tree for each 30 lineal feet and a hedge or other durable landscape barrier of at least 4' in height shall be placed within landscape strip. 20 square feet of landscaping for each parking space provided Each row of parking shall have a terminal landscape island not less than 5 feet in (inside curb to inside curb), and 90 square feet in area. At least 1 tree shall be planted in each island. No more than 10 parking spaces may be parked in a row without a landscape island</p>
<p>Element 8: City-wide Beautification and Street Tree plan</p>	<p>Section 34-1307. Landscaping of Streets The landscaping of the streets should follow the street sections conceptually, shown on the diagrams that follow this division. The following landscaping types should be used; however, the town will consider other types not listed, on a case-by-case basis, to determine their suitability for the proposed location. The plant list was compiled to meet the unique conditions of the town, and the selection criteria included salt tolerance (when located east of U.S. Highway 1), freeze tolerance, water conservation, shade, and aesthetic/view preservation of the ocean. Includes Specific Street cross sections</p>

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<p>Element 9: Screening Standards</p>	<p>Section 34-908. Screening – Mechanical Equipment  All mechanical equipment, including but not limited to heating, ventilating, air conditioning, and pool equipment machinery; water filtration systems; fuel oil and propane tanks; accessory communications equipment such as signal sending and receiving dishes, etc.; public utility service boxes and similar fixtures, including telephone, telegraph, electric, natural or propane gas, potable water, and sewer facilities; and elevator facilities shall be screened from public view on all sides when feasible, or to the maximum extent possible. Such screening may include any combination of landscaping and opaque materials. Building materials to be utilized for screening purposes shall be consistent with the architectural design of the principal structure. Screening shall extend at least one foot above the object to be screened.</p> <p>Section 34-909. Screening – Solid Waste Disposal Facilities  All dumpsters or other solid waste containers shall be screened on all four sides from public view. Both sides and the rear of such facilities shall be screened by an opaque concrete wall, or similar quality material. The front of a screen enclosure shall be gated and shall consist of durable materials with a solid surface consistent with the overall design of the project. Walls shall be landscaped with shrubs and hedges planted at two-foot intervals, unless there are physical limitations on the site which prevent this. All landscaping and materials utilized to screen an enclosure shall be consistent with the overall design of the principal structures located on the site. Screening shall extend at least one foot above the facility to be screened. All dumpsters or other solid waste containers shall be placed on a concrete pad appropriate to the size of the container, and enclosures shall appropriately house all dumpsters, garbage and recycle bins on site.</p> <p>Section 34-910. Storage Areas for Nonresidential and Multiple-Family Uses  All storage areas shall be screened on all four sides from public view. Both sides and the rear of the screening enclosure shall consist of an opaque concrete wall, pressure treated wood, or similar quality material. The front of the screen enclosure shall be gated and shall consist of durable materials with a solid surface consistent with the overall design of the project. Dependent upon the location of an enclosure, landscaping may be required in addition to the opaque screening material. All materials utilized in the screen enclosure shall be consistent with the overall design of the principal structures located on the site. A roof may be required on the enclosure at the discretion of the town. All enclosures shall be placed on a concrete pad or asphalt.</p>
<p>Element 10: Installation and Maintenance</p>	<p>Section 34-1088. Design, Installation, Maintenance, Irrigation and Plant Material Standards.  Signed and sealed letter required from landscape architect certifying compliance of installation prior to issuance of CO.</p> <p>The Town of Juno Beach has a robust section on installation and maintenance (for more details, please see Attachment 1).</p>
<p>Element 11: Stabilization requirements and Swales</p>	<p>Section 34-1084(d). Landscape Requirements  All new trees shall be located so as to provide unrestrictive flow or access to drainage swales or utility easements</p> <p>Section 34-1307(4). Landscaping of Streets  Swale areas. All swale areas shall be sodded and graded to drainage standards acceptable to the town engineer and other right-of-way agencies, if applicable.</p>