Planning Commission Recommendations October 10, 2016 Work Session

Chapter 20.25 Special and Overlay Districts

Part 20.25A Downtown

[...]

20.25A.060 Walkways and sidewalks.

- A. Walkways and Sidewalks Perimeter.
 - 1. Minimum Width.
 - a. The minimum width of perimeter walkway or sidewalk on the streets identified in this paragraph is 16 feet plus a 6-inch curb. Included within that 16 feet and adjacent to the curb, there shall be a planter strip or tree pit as prescribed by Plate A of this section:
 - i. NE 6th between 110th Avenue NE and 112th Avenue NE; and
 - ii. 106th Avenue NE between NE 4th and NE 8th; and
 - iii. 108th Avenue NE between NE 4th and NE 8th; and
 - iv. 110th Avenue NE between NE 4th and NE 8th; and
 - v. Bellevue Way between Main and NE 12th; and
 - vi. NE 4th between 100th Avenue NE and 112th Avenue NE; and
 - vii. NE 8th between 100th Avenue NE and 112th Avenue NE.
 - b. Along any other street not listed in subsection A.1.a of this section, the minimum width of a perimeter walkway or sidewalk is 12 feet plus a 6-inch curb. Included in that 12 feet and adjacent to the curb, there shall be a planter strip or tree pit as prescribed in Plate A of this section.
 - c. Within the width of the walkway or sidewalk, at least six feet of unobstructed travel path shall be maintained for safe pedestrian access.
 - d. Planter Strips and Tree Pits.

Planter strips shall be at least five feet wide and as long as the street frontage, excluding curb cuts, driveways and spacing for utilities. Planter strips and tree pits shall be located adjacent to the curb unless precluded by existing utilities which cannot be reasonably relocated. Tree pits may shall be covered with protective grates or pavers. Where stormwater facilities are used in conjunction with tree pits, removable grates shall be utilized.

- 2. Street Trees and Landscaping Perimeter.
 - a. Tree Species. The property owner shall install street trees, in addition to any landscaping required by LUC 20.25A.040, according to the requirements of Plate B of this section as now or hereafter amended and this section.

Planning Commission Recommendations

October 10, 2016 Work Session

- b. Installation. Street trees, at least 2.5 inches in caliper or as approved by the Director, must be planted at least 3 feet from the face of the street curb, and <u>spaced</u> a maximum of 20 feet for small trees, 25 feet for medium trees, and 30 feet for large trees. The size of the tree shall be determined by Plate B of this section, as now or hereafter amended. A street tree planting area may also include decorative paving and other <u>native</u> plant materials except grass that requires mowing. The use of planter strips for stormwater treatment is encouraged. Installation shall be in accordance with the Parks and Community Services Department Environmental Best Management Practices and Design Standards, as now or hereafter amended.
- c. Irrigation. A permanent automatic irrigation system shall be provided at the time of installation of street trees and sidewalk planting strip landscaping located in a required planter strip or tree pit. The irrigation system shall be served by a separate water meter installed by the applicant and served by City-owned water supply with 24-hour access by the City. The use of rainwater to supplement irrigation is encouraged. Irrigation system shall be designed per the Parks and Community Services Department Environmental Best Management Practices and Design Standards, as now or hereafter amended.
- d. Street Landscaping. Street trees together with shrubbery, groundcover and other approved plantings are required in a planter strip along the length of the frontage. Vegetation included in the planter strip shall be able to withstand urban conditions, shall be compatible with other plantings along the same street, and shall reflect the character of the area within which they are planted, as approved by the Director.

[...]

20.25A.090 Perimeter Design District

[...]

D. Development Standards

[...]

- 4. Landscape Development
 - [...]
 - b. Linear Buffers.
 - i. General. Any development situated within Perimeter Design District Subdistrict A shall provide a "linear buffer" within the minimum setback adjacent to the Downtown boundary required by paragraph D.2 of this section. The purpose of this feature is to produce a green buffer that will soften the visual impact of the relatively larger buildings. These design standards are minimum requirements for

Planning Commission Recommendations

October 10, 2016 Work Session

the size and quantity of trees, shrubs and other "linear buffer" elements. The specific design of the "linear buffer" for each project site will be determined through the Design Review Process. Design considerations include but are not limited to the placement of elements and their relationship to adjacent property as well as to the proposed development. Different sets of design standards apply to each of the locational conditions.

- Where the Downtown boundary falls within the Main Street, 100th Avenue NE or NE 12th Street right-of-way, the minimum setback from the Downtown boundary shall be landscaped according to the basic requirements and either Alternative A or B of the supplemental requirement.
 - (1) Basic Requirements (applicable in all cases):
 - (a) Must have a minimum width of 20 feet;
 - (b) Must abut and be within three feet in elevation of a sidewalk, so as to be visually and physically accessible;
 - (c) Must provide at least one sitting space for each 200 square feet of the perimeter setback area;
 - (d) May not be used for parking; vehicular access drives shall be kept to a minimum;
 - (e) Must be readily accessible to the public at all times;
 - (f) Must include seasonal color in an amount of at least 10 percent of the perimeter setback area;
 - (g) <u>Must utilize native species for at least 50 percent of the plantings</u> <u>located within the perimeter setback area.</u>
 - (2) Supplemental Requirements:
 - (a) Alternative A:
 - (i) Three deciduous trees, with a minimum caliper of three inches, per each 1,000 square feet of the perimeter setback area; and
 - (ii) Two flowering trees, with a minimum caliper of two inches, per each 1,000 square feet of perimeter setback area; and
 - (iii) Ten evergreen shrubs, minimum five-gallon size, per 1,000 square feet of the perimeter setback area; and
 - (iv) Any paved surfaces shall be no more than 10 percent of the perimeter setback area; and
 - (v) Planting area must either be raised or sloped. If raised, the planting area shall be surrounded by a wall with a minimum height of 18 inches and a maximum height of 24 inches to allow for sitting.

Planning Commission Recommendations

October 10, 2016 Work Session

- (b) Alternative B:
 - (i) Three deciduous trees, with a minimum caliper of three inches, per each 1,000 square feet of the perimeter setback area; and
 - (ii) Lawn greater than five feet in width or ground cover on at least25 percent of the perimeter setback area; and
 - (iii) Any paved surfaces shall be no more than 75 percent of the perimeter setback area; and
 - (iv) Paved areas shall use <u>pervious pavement</u>, brick, stone or tile in a pattern and texture that is level and slip-resistant; and
 - (v) Opportunities for pedestrian flow from the sidewalk shall be frequent and direct. Changes in grade between the linear buffer and sidewalk shall be accommodated by steps or terraces, rather than walls.
- iii. Where the Downtown boundary abuts property outside the Downtown other than right-of-way described in paragraph D.4.b.ii of this section, the minimum setback from the Downtown boundary (or perimeter property lines when the setback has been relocated pursuant to Note 10 of subsection 20.25A.090.D.2) shall be landscaped as follows:
 - (1) The entire setback (20 feet) shall be planted. No portion may be paved except for vehicular entrance drives and required mid-block pedestrian connections.
 - (2) The setback must incorporate a berm having a minimum height of three and one-half feet.
 - (3) The setback must be planted with:
 - (a) Evergreen and deciduous trees, with no more than 30 percent deciduous, a minimum of 10 feet in height, at intervals no greater than 20 feet on center; and
 - (b) Evergreen shrubs, a minimum of two-gallon in size, at a spacing of three feet on center; and
 - (c) Living ground cover so that the entire remaining area will be covered in three years.
- c. Street Trees. Street trees required by LUC 20.25A.060.C along Main Street, 100th Avenue NE or NE 12th Street must be at least four inches in caliper.

Planning Commission Recommendations

October 10, 2016 Work Session

20.25A.110 Design Review Criteria

B. Downtown Patterns and Context. [...]

4. Landscape Design

[...]

B. Encourage <u>Require</u> retention of significant existing vegetation, where it can be incorporated into efficient site design and maintained in a safe and healthful condition.

Part 20.25B Transition Area Design District

20.25B.040 Development Standards

[...]

- C. Landscaping, Open Space and Buffers
 - Landscaping. All landscaping shall comply with standards set forth in LUC 20.20.520. The provisions of LUC 20.20.520.J (Alternative Landscaping Option) are applicable and, in addition, may be used to modify up to 10 feet of required street frontage landscaping.
 - 2. Buffer
 - A landscaped buffer, at least 20 feet in width, shall be provided along the entire street frontage where any portion of the street frontage is abutting a district receiving transition and along the interior property line abutting the district receiving transition. <u>Where feasible</u>, <u>bioretention swales and planters may be located within landscape buffers</u>.
 - b. All significant trees within 15 feet of the property line shall be retained as required by LUC 20.20.520.E.
 - c. The buffer shall be planted with the following, and shall include at least 50 percent native species in the required plantings:
 - Evergreen and deciduous trees, of which no more than 40 percent can be deciduous. There shall be a minimum of five trees per 1,000 square feet of buffer area, which shall be a minimum of 10 feet high at planting, along with the evergreen shrubs and living groundcover as described in paragraphs C.2.c.ii and iii of this section to effectively buffer development from adjacent residential properties; and
 - ii. Evergreen shrubs, a minimum 42 inches in height at planting, at a spacing no greater than three feet on center; and
 - iii. Living groundcover planted to cover the ground within three years; and
 - iv. Alternatively, where the street frontage landscaping will be planted to buffer a building elevation and not a parking area, driveway or site development other than a building, a lawn no less than five feet in width may be substituted for the shrubs and groundcover required in paragraphs C.2.c.ii and iii of this section; provided, that the

Planning Commission Recommendations

October 10, 2016 Work Session

soil in the entire area of lawn is amended in accordance with LUC 20.20.520.F.8. This paragraph does not apply in LI and GC Districts.

- d. Where an LI, GC or CB zoned property abuts a residential district on an interior property line, an evergreen hedge a minimum of four feet in height at planting and capable of achieving a continued visual screen with a height of five feet within a three-year period or a combination of shrubs and fence shall be added within the required planting area to achieve the effect of a hedge.
- e. Patios and other similar ground level features and trails may be incorporated into the buffer area, except that no more than 20 percent of the area may be used for such features. Patios shall not be located within 10 feet of the property line.

[...]

Part 20.25D Bel-Red

[...]

20.25D.150 Design Guidelines

[...]

B. Character and Site Guidelines.

Purpose

These guidelines address the qualities that make the Bel-Red subarea unique. They consider what makes an area a special, distinct "place," not simply a group of individual buildings and streets.

[...]

- 4. Protect and Enhance Surface Water Resources.
 - a. Intent.

Conserve water quality, natural hydrology and habitat, and preserve biodiversity through protection of water bodies and wetlands.

b. Guideline.

Natural water systems regulate water supply, provide biological habitat and may provide recreational opportunities. Undeveloped ecosystems absorb the precipitation and convey only a small portion of rainfall as surface runoff. New and infill development should minimize disturbances to the on-site, adjacent, and regional natural water systems. Use of natural drainage practices are required unless infeasible.

- c. Recommended.
 - i. Grading and plan layout that captures and slows runoff.
 - ii. Pervious or semi-pervious surfaces that allow water to infiltrate soil.

Planning Commission Recommendations

October 10, 2016 Work Session

- iii. On-site landscape-based water treatment methods that treat rainwater runoff from all surfaces, including parking lots, roofs and sidewalks.
- d. Not Recommended.
 - i. Buried, piped or culverted stream channels.
 - ii. Water quality enhancement projects that detract from the urban character of the area.

[...]

Part 20.25F Evergreen Highlands Design District

20.25F.040 Site and Design Requirements

[...]

C. Design Requirements

[...]

4. Drainage

The applicant must submit a drainage plan consistent with the development standards of the City of Redmond and the City of Bellevue which produce the more protective drainage system as determined by the Redmond Public Works Director and the Bellevue Utilities Director. The use of LID stormwater management techniques is required unless infeasible.

[...]

Part 20.25F1 Factoria 1

20.25F1.070 Sidewalks and Pedestrian Paths

- A. Perimeter Sidewalks.
 - 1. Minimum Width. The minimum width of perimeter street sidewalks shall be 12 feet inclusive of the planter strip plus six inches for curb, except as necessary to retain mature trees pursuant to paragraph A.2.e below.
 - 2. Street Trees And Planter Strip Design.
 - a. Installation. The property owner shall install street trees and planter strips, in addition to any landscaping required by LUC 20.25F1.050, pursuant to the City of Bellevue Environmental Best Management Practices and Design Standards, now or as hereafter amended. Street tree and planter strips shall be irrigated. Appropriate tree species will be determined through the Master Development Plan process.
 - b. Location. The area in which planter strips are installed must be located between the street and the sidewalk unless precluded by existing utilities which cannot reasonably be relocated or as necessary to retain mature trees pursuant to paragraph A.2.e below.

Planning Commission Recommendations

October 10, 2016 Work Session

- c. Design. Required street trees should be placed in predominantly continuous planter strips together with shrubbery, ground cover and other plantings approved by the Director. The area in which street trees are planted must be at least four feet wide by six feet wide. Vegetation approved for a planter strip must be compatible with the F1 Design Guidelines for the development area within which the planter strip is located. A street planter strip may also include decorative paving and other plant materials except turf. <u>Where feasible, bioretention swales and planters may be located within the planter strip.</u>
- d. Size and Spacing. Large growing deciduous street trees, at least three inches in caliper or as approved by the Director, shall be planted at least three feet from the street curb, and a maximum of 30 feet on center, and shall conform to the sight distance requirements of BCC 14.60.240.
- e. Mature Tree Retention. The existing mature street trees located on the perimeter street frontages shall be maintained to the extent feasible. Sidewalks and planter strips may be reduced and/or relocated to the back of sidewalk if necessary to accommodate retention of the mature trees.
- B. On-Site Sidewalks.
 - 1. Minimum Width. The minimum width of on-site street sidewalks shall be 12 feet inclusive of the street tree planting wells.
 - 2. Street Trees and Plantings.
 - a. Installation. The property owner shall install street trees and plantings, in addition to any landscaping required by LUC 20.25F1.050, pursuant to the City of Bellevue Environmental Best Management Practices and Design Standards, now or as hereafter amended. Street trees and required landscaping shall be irrigated. Appropriate tree species will be determined through the Master Development Plan process.
 - b. Location. Street trees shall be planted in a continuous, rhythmic pattern. Street trees must be located between the street and the sidewalk.
 - c. Design. Required street trees shall be planted in tree pits with grates. The area in which street trees are planted must be at least four feet wide by six feet wide. <u>Where stormwater facilities are used in conjunction with tree pits, removable grates shall be utilized.</u>
 - d. Size and Spacing. Small growing pedestrian-scale deciduous street trees, at least three inches in caliper or as approved by the Director, shall be planted at least three feet from the street curb, and a maximum of 25 feet on center, and shall conform to the sight distance requirements of BCC 14.60.240.

Planning Commission Recommendations

October 10, 2016 Work Session

Part 20.25H Critical Areas Overlay District

20.25H.080 Performance standards.

C. General.

Development on sites with a type S or F stream or associated critical area buffer shall incorporate the following performance standards in design of the development, as applicable:

[...]

- 1. Toxic runoff from new impervious area shall be routed away from the stream.
- 2. Treated water may be allowed to enter the stream critical area buffer.
- 3. The outer edge of the stream critical area buffer shall be planted with dense vegetation to limit pet or human use. <u>Preference shall be given to native species</u>.

Part 20.25J Medical Institution District

20.25J.070 Streetscape Design Requirements

- A. Sidewalks
 - [...]
 - 2. Street Trees and Plantings
 - a. The property owner shall install street trees and plantings, in addition to any landscaping required by LUC 20.25J.060. Appropriate tree species will be determined through the Master Development Plan or Design Review where Master Development Plan approval is not required.
 - b. The area in which street plantings are installed must be located between the street and the sidewalk unless precluded by existing utilities which cannot reasonably be relocated. Required street trees together with shrubbery, groundcover and other approved plantings must be placed in a planter strip along the length of the frontage. Where feasible, bioretention swales and planters may be located within the planter strip. The planter strip must be at least four feet wide unless a smaller strip is approved by the Director. Vegetation included in the planter strip shall be urban in character, shall be compatible with other plantings within the property and along the same street, and shall reflect the character of the area in which they are planted. Designs should prioritize the selection of native plant species.
 - c. Street trees, at least three inches in caliper or as approved by the Director, must be planted at least three feet from the street curb, and a maximum of 25 feet on center, unless upon request of the applicant minor modification of this requirement is approved by the Director, and conforms to the sight distance requirements of BCC 14.60.240. A street tree planting area may also include decorative paving and other plant materials except turf.
 - d. Street trees and plantings shall be irrigated.