Louisiana State University Design Standards

DIVISION 32 – EXTERIOR IMPROVEMENTS

1 SITE DESIGN REQUIREMENTS

1.1 The Exterior Environment conceptual design is to be developed concurrent with the overall project plan, and the project team shall include a landscape architect and a civil engineer for all projects which affect the design.

1.2 Projected cost estimates submitted at each phase of the design process shall clearly identify and include all exterior site elements.

1.3 A presentation package shall consist of an illustrative landscape/hardscape plan conlanentapeProjen1for all site am

1.4 Plans shall be of sufficient construction detail and labeling to clearly communicate landscape/hardscape intent and accuracy of scale in order to provide credible pricing for owner's approval prior to commencement of construction documents.

1.5 Plans listed below shall be provided beginning at the design development phase for preliminary pricing

- 1.5.1 Construction and Staking Plans
- 1.5.2 Grading Plans
- 1.5.3 Lighting Plans
- 1.5.4 Planting Plans
- 1.5.5 General Landscape Plans
- 1.5.6 Irrigation, Electrical and Sleeving Plans
- 1.5.7 D

4.2.3 The second method to maximize parking is 70 degree parking. The space width is 9 feet by 16 feet. Double loaded bay widths are 49' minimum, 51' optimum, and 53' maximum. Single bays are 19' minimum, 21' optimum, 23' maximum.

4.2.4 Parallel parking standards are 21' long by 8' wide. However parallel parking will be allowed only as directed by LSU PDC.

4.2.5 Handicapped spaces must comply with current ADA standards.

4.2.6 Layout of all parking areas must be approved by the Office of Parking & Transportation Services before implementation. Where existing parking capacity is displaced by the construction of a new facility, those displaced parking spaces must be mitigated on a one-for- one basis. Designers should submit for review a traffic study for vehicular circulation to and around the new facility, including service, delivery and public transportation vehicles. Show turning radii for garbage trucks and delivery trucks into and out of parking lots if necessary.

4.2.7 The University has numerous card access gated parking lots. Any additional card access controllers must be compatible with the existing system. Further information can be obtained from the Office of Parking & Transportation Services.

4.2.8 Lighting is to be included as part of parking lot projects. Light standard locations should be considered relative to tree planting in order to avoid dark areas in parking lots and should be coordinated with the landscape consultant.

4.2.9 Provided two 4” (minimum) sleeves under new paving to all green areas. Identify sleeve locations on As-Built drawings and provide 3/8” X 3” brass stove bolt in pavement at the location of each sleeve.

4.2.10 In addition to all other landscaping requirements, all new off-street parking lots with fifty (50) or more spaces shall provide and maintain landscaped planting areas within the interior of, and adjacent to, the parking lot.

4.2.11 Perimeter landscaping shall be provided a rate of one (1) tree for every seventy-five (75) linear feet of paving frontage. Trees shall be spaced so that there is a minimum of one (1) tree for every one hundred twenty-five (125) linear feet of paving frontage.

4.2.12 Interior tree planting shall be provided at a rate of one (1) tree for every forty (40) parking spaces located in islands at the end of parking bays, island located between parallel rows of cars, driveway medians, intermediate islands or a combination of locations. In addition to the required trees, interior planting areas shall be grassed, landscaped or covered with mulch.

5 SITE FURNISHINGS

5.1 Reference Campus Landscape Standards for all furnishings.

5.2 Bicycle Racks

5.2.1 Bicycle riding is encouraged on campus and bicycle racks should be included in the project when appropriate. Bicycle parking sites shall be considered at the schematic design phase and final site locations indicated in the final construction documents. Consider bicycle parking and parking surface as part of the construction costs.

5.2.2 The number and location of bicycle racks is determined in 3 (id)2.y.

5.2.4 When locating bicycle racks, choose locations that are accessible by bicycle. Bicycle parking racks should be installed on a paved surface. The dimensional requirements of the paved surface are described in the sketches below. Designer should consider future expansion opportunities.

5.3 Benches - Benches are the primary seating component on campus. Many styles and designs of benches have been used on campus throughout its history. The campus standard bench with a back is a simple metal-strap bench that is durable and provides a comfortable seating experience. The character of the bench is complementary to other standard site components. See campus landscape standards for acceptable manufacturers.

5.4 Litter Receptacles - A metal strap-style receptacle is the campus standard. It is similar to the standard bench and other site components. A domed top prevents rain and leaves from falling into the receptacle, and a side door allows easier access for staff. When receptacles are located adjacent to garden or groundcover planting, provide sufficient space around the unit for emptying and cleaning. LSU is a smoke-free campus and trash receptacles should not include ash trays. See campus landscape standards for acceptable manufacturers.

6 EXTERIOR LIGHTING

6.1 General Requirements

6.1.1 Landscape lighting design shall be conceptually designed by the Landscape Architect, with particular attention paid to creating a soft, serene and safe nighttime atmosphere. The ambiance afforded by landscape lighting is especially important in transforming the landscaped areas into pleasant, special experience for the students. Walkway lighting shall be very subtle and discreet, utilizing surrounding landscape illumination to serve the purpose of walkway lighting to the extent possible. See campus landscape standards for requirements.

6.1.2 Lighting of special feature items or special seasonal displays and points of interest will be accomplished through landscape lighting. Provide additional circuit capacity at the building entry

6.1.2

11.2.2.2 All measures and monitoring shall be documented in the project’s Waste Water Management Plan and shall be capable of removing 80% of the average an-1.92u(h)2.2 ((ap)2.3 (o)-

15

18.2 To further this goal, the use of fences, walls, and barriers is strongly discouraged and shall only be considered in the following circumstances.

18.2.1 To contain livestock, maintain animal habitats, and/or to maintain other agricultural needs.

18.2.2 To provide a visual buffer of dumpsters, mechanical, and other unsightly structures or equipment.

18.2.3 To prevent unauthorized access to high voltage and/or other dangerous areas.

18.2.4 For security purposes as required by federal, state, or university safety officials.

18.2.5 To enhance the quality of a pedestrian oriented courtyard or space in public and residential areas.

18.2.6 To secure athletic and academic functions.

18.3 Design of proposed fences, walls, and barriers is encouraged to reflect the existing heritage and gracious quality exemplified in the historical part of campus through the use of similar materials, color, proportion, and scale. If the use of arches and/or arcades is proposed, then consideration should be given to the character of the arcades surrounding the main quadrangle.

18.4 The color palette of materials to be used should be within the range of warm earth tones as seen in the historical part of campus which are generally light in color (i.e., colors found in the sandstone, buff, and terra-cotta families).

18.5 Any fence, wall, or barrier shall be constructed in a durable fashion with a finished surface of brick, stone, decorative masonry material, cast stone, painted metal, approved synthetic material, landscape material, and/or a combination of said materials.

18.6 The use of wood and/or chain link fence shall not be acceptable.

18.7 Fencing materials shall match surrounding architecture and site character as closely as possible to maintain visual harmony on campus. All designs shall be reviewed by the Planning, Design & Construction department for design integrity and follow the Campus Landscape Standards.

18.7.1 The finished side of all walls or fences shall face the common property line boundary. Approved location of the fence shall be determined by the LSU PDC.

18.7.2 Fences, walls, and barriers shall be designed to be climb resistant, and shall be reviewed by campus security officials.

18.7.3 All fences, walls, and barriers shall allow access by university maintenance and security officials.

18.7.4 When gates are required, they shall be lockable only from the outside and shall conform to all fire and safety codes. Fences, walls, and barriers shall not restrict egress from a confined pedestrian area and Campus Police and Facility Services personnel shall be allowed access at all times.

18.7.5 All designs which utilize landscape materials shall be reviewed and approved by the Campus Landscape Architect.

18.7.6 Temporary constru001 Tc 0.003 TaNTD(La)TjTc 0.003 TaNTD(La)TjTc 0 (e)4ec8.9 p[n)-0.7 (d)-07.stilize landrssc

19.5.2 Full print coverage. Designed for wide format, 4 color process printing.

19.5.3

20.11

21.3.4.5 Annual flowers: Plants shall be 4” pots minimum, bud and bloomed, spaced 6” o.c. at initial planting. Some species of annual color may be 6” pot size in which case the plant spacing will be adjusted accordingly as approved by the Owner.

21.3.4.6 Trees: Size and specification will vary based on species and plant availability. Selection shall necessitate a degree of flexibility and reasonableness based on availability and quality.