



Windmill Park Improvements – City of Coconut Creek

Summary of Sustainable and Green Components

- Upgrade existing parking lot lighting to LED site lighting providing energy savings and light pollution reduction. Attached please find the cut sheet for parking lot lighting.
- New parking area to be provided with LED site lighting providing energy savings and light pollution reduction.. Attached please find the cut sheet for parking lot lighting.
- New walkway lighting to be LED lighting and provide improved light pollution reduction.. Attached please find the cut sheet for walkway lighting
- Benches, trash receptacles and picnic tables to be constructed utilizing recycled plastic high-density polyethylene raw material utilized in our recycled plastic furnishings is derived from post-consumer bottle waste resulting in a product that is over 90% recycled. Attached please find the cut sheet for benches, trash receptacles and picnic tables.
- Upgrade existing sports lighting to Musco Light-Structure Green™ or approved equal for Energy savings of more than 50% over a standard lighting system.
- Bike racks are provided at the park to encourage exercise and not emitting methods of transportation.
- Conduit will be provided for future connections to charging stations in the parking lot.
- Playground equipment to be provided by Landscape Structures, Inc. or approved equal. LSI is industry-leading with ISO 14001 certification received more than a decade ago, to exciting partnerships with Global ReLeaf® and the Sustainable Sites Initiative™, Landscape Structures has been promoting sustainable practices for years. Attached please find LSI's sustainability package.
- Playground flooring surface to be provided is Geoturf Green Play. The artificial turf will utilize organic infill material technology. Attached please find Geoturf Green Play's product literature.
- Standing seam metal roofs on buildings and pavilions to be a copper metallic finish which will provide a higher Solar Reflectance index (SRI) of 51, thus improving the amount of heat gain beneath the roof structures and reduce the heat island effect.
- New windows on upper level of existing pavilion to be provided with a low, efficient level Solar Heat Gain Coefficient (SHGC).
- Paint and caulking utilized to be Low VOC.
- Plumbing fixtures and hardware will reduce use 40% less water than the water use baseline calculated for the building (not including irrigation).
- Hand dryer provided in restrooms to minimize paper consumption.
- A high SEER, efficient air conditioning units being implemented for the existing pavilion.
- Interior lighting to be efficient LED lighting.



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- Existing pavilions wall and roof thermal protection to be improved.
- Drinking fountains are provided with bottle fillers.
- Park buildings are non-smoking environments.

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