June 30, 2014

Department of Parks and Recreation Park Design Guidelines and Standards

The County of Los Angeles Department of Parks and Recreation (DPR) would like to thank you for your interest in its Park Design Guidelines and Standards. The DPR is honored to oversee the County of Los Angeles (County) parks and recreation system which includes 70,137 acres of local and regional parks, lakes, trails, golf courses, cultural event facilities, natural areas, and botanic gardens.

Our mission at DPR is to create healthy communities through people, parks and programs by offering family-oriented and culturally informed, health, nutrition, exercise programs, and educational opportunities that work together to improve the quality of life for all Los Angeles County residents.

The Park Design Guidelines and Standards will provide our partners, design professionals and County staff with the tools necessary to deliver a consistent and high quality park design product.

The preparation of these Park Design Guidelines and Standards is a result of Department staff participation, peer review by County Departments and partnering agencies including non-profits and private development organizations representing a diversity of interests in County park design. DPR will review and revise this manual as necessary over time to embrace evolving park planning objectives and design criteria.

Accordingly, the DPR is pleased to present you with its Park Design Guidelines and Standards to continue the legacy of providing quality recreation experiences that are unique to the County of Los Angeles.

Sincerely,

Russ Guiney
Director
The Department of Parks and Recreation’s Mission Statement

We will provide the residents and visitors of Los Angeles County with quality recreational opportunities that promote a healthy lifestyle and strengthen the community through diverse physical, educational and cultural programming, and will enhance the community environment by acquiring, developing and maintaining County parks, gardens, golf courses, trails and open space areas.

The Department of Parks and Recreation’s Vision

“Our purpose is to improve the quality of life in Los Angeles County by providing responsive, efficient and high-quality public services that promote the self-sufficiency, well being and prosperity of individuals, families, businesses and communities.”

We Create Community through People, Parks and Programs.
## Acknowledgements

**BOARD OF SUPERVISORS**

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Special Thanks
The Department wishes to thank the staff of the following organizations for their valued participation and contributions in making this document possible: County of Los Angeles Department of Public Works, Department of Regional Planning, Fire Department, Sheriff’s Department, Department of Public Health, Internal Services Department, Community Development Commission, Office of Affirmative Action Compliance, and peer agencies including the Los Angeles Neighborhood Land Trust, Los Angeles Conservation Corps, and the Newhall Land and Farming Company.
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The County of Los Angeles Department of Parks and Recreation (Department) owns and/or operates 69,547 acres of local and regional parkland. The local park system includes community parks, neighborhood parks, pocket parks, and open space nodes. The regional park system consists of regional parks, community regional parks, and special use facilities including; golf courses, cultural event facilities, nature centers, wildlife sanctuaries, and botanic gardens. In addition to the local and regional parks systems, the Department also develops and maintains multiuse trails.

The Department is comprised of five agencies responsible for planning, development, operations, and maintenance of the parks system. The Department’s Planning and Development Agency is responsible for multiple functions related to the planning and design of recreation elements and facilities for the Department. These functions include environmental and regulatory permitting, land acquisition, water conservation and planning, facility planning, trail planning and architecture & design.

The Department’s four field agencies are structured to facilitate each region of the County by operating the North County Community Services Agency, South County Community Services Agency, East County Community Services Agency and the Regional Facilities Agency. These Agencies are responsible for recreation programming, maintenance, capital projects, community outreach, construction administration, capital project liaison to the Department of Public Works and all minor capital improvement projects in the County parks.

1.1 Project Goals and Purpose

The goal of the Park Design Guidelines project is to develop a common approach to the design of the County wide park system. The development of a Park Design Guidelines manual will:

- Provide a guide for design professionals and field agency staff in the development of new parks and refurbishment projects.
- Provide guidelines for the implementation of sustainable practices.

The Park Design Guidelines will provide information in the following subject areas:

- Spatial Organization
- Site Layout
- Building Design
- Parking Lot Design
- Circulation
- Recreation Facilities
- Children’s Play Areas
- Splash Pads
- Passive Recreation Areas
- Park Furnishings
- Landscaping
- Stormwater Management
- Utility Infrastructure
INTRODUCTION

These guidelines will facilitate the Department in achieving the highest quality of design for capital improvement projects while fostering environmental stewardship in all aspects of parkland development.

The Park Design Guidelines support the mission of the County and the Department by implementing the County Strategic Plan goals adopted by the Board of Supervisors in 2009 which include:

• The County Goal of achieving higher efficiencies and greater energy and resource conservation.

The document also supports Department goals including:

Strengthen Community Cohesion

• By creating parks that provide gathering places, welcoming all residents to socialize, recreate, and share their lives, while providing a nurturing and safe environment for children and youth.

Create Community Partnership

• By creating parks that encourage the community in caring for the valuable resources found in our facilities.

Promote Staff Cohesion

• By assisting park staff in sharing a common vision that allows us to work enthusiastically toward the same goals and demonstrate professionalism in all we do.

Support Healthier Communities

• By creating parks that provide positive experiences that promote greater mental and physical well-being.

Demonstrate Environmental Leadership

• By creating parks that express principles of environmental stewardship by promoting environmental education, demonstrating environmental ethics, and providing stewardship opportunities for all.

Support Organizational Effectiveness

• By creating documents that provide clear policies, efficient procedures, and are clearly communicated.

1.2 Design Guidelines

The Park Design Guidelines include design criteria for the development of most park elements. The unique design considerations of the Department's Special Use Parks and facilities, such as wilderness parks, nature preserves, botanical gardens, nature centers, multi-use trails, performing arts centers, dog parks, aquatics facilities, lakes, campgrounds, skate parks, golf driving ranges and golf courses will not be specifically addressed in this document. However, much of the design information contained herein is applicable to Special Use Parks and should be utilized in all park design.
2.0 Chapter Introduction

The Park Design Guidelines take a broad approach to providing information to be used in the design of all County of Los Angeles parks.

These guidelines will facilitate the County of Los Angeles Department of Parks and Recreation in achieving the highest quality of design for capital improvement projects while fostering environmental stewardship in all aspects of parkland development.

In addition to the design guidance included in this document, the Design Professional will be responsible for compliance to all regulatory and permitting requirements associated with a project, including, but not limited to:

- CEQA site constraints
- Land Acquisition constraints
- Americans with Disabilities Act (ADA) compliance
- County Code Compliance
- Regulatory Permitting requirements

2.1 Spatial Organization

Spatial organization is an important park design element. Care and consideration needs to be given to the use of each space, the relationship between activities and future expansion opportunities in a park.

Often indoor and outdoor spaces are programmed for multiple functions and should be designed to allow for flexibility of use. Parks are multi-generational spaces and consideration of park user compatibility must be evaluated when determining the adjacency of site features.

These variables will be affected by construction cost, mechanical systems layout, user safety, site amenities and provisions for universal accessibility.

Thoughtful spatial organization encourages social interaction and user participation. This allows many diverse activities to occur simultaneously, while facilitating administrative visibility and control of the site.

The following spatial organizational principles are expressed (and illustrated) as typical criteria to describe how individual spaces complement one another to form functional areas, and how functional areas support one another to form a cohesive site design.

2.1.1 Physical Access & Adjacency Compatibility

Physical access & adjacency compatibility gives consideration to requirements of safety (primary), compatibility, privacy, concentration of activities, ease of operations and administration.

- Activities shall be grouped to maximize desirable effects (accessibility, control of participants, multi-uses) or separated to minimize conflicts including noise and degree of physical activity.
- The placement of active and passive spaces shall allow for...

Exhibit 1: Park Adjacency Compatibility Diagram
the simultaneous occurrence of diverse activities and diverse user groups participating in both planned activities and free play.

- Sports activities, field lights for evening sports activities, large group gatherings, pools and gymnasiums are all potential sources of disturbance to the surrounding community. Consider all adjacencies when placing park features.

- Locate restroom buildings within a 150’ radius of recreation fields and a 100’ radius of children’s play areas.

- Trash enclosures should be located at least 50’ away from all buildings.

- Locate maintenance yards away from children’s play areas.

- Screen maintenance yards from adjacent activities.

- Arrange activity areas to encourage casual interaction among users by introducing transitional areas for lounging and providing visual access from one area into another.

- Locate facilities that draw the largest number of users such as gymnasiums, recreational centers, and pool facilities near or within view of established public transit routes. This encourages and facilitates alternative modes of travel to the programs and activities offered at the park facility.

- Locate parking facilities near major park site features to facilitate the park user, who may be carrying equipment and/or coolers to their destination.

- Locate on-site storm water management devices in non-pedestrian / non recreational areas.

2.1.2 Visual Access

- Visual access from one area to another is an important consideration for administrative control. It is also important in maintaining park patron awareness of adjacent activities.

2.1.3 Acoustics

Care should be taken in the placement of park features that may generate disruptive noise by an activity. Care should be taken to locate activities to minimize the impact of adjacent park activities to adjacent land uses.

All projects shall comply with the County of Los Angeles Noise Control Ordinance.

2.1.4 Security and Safety

Provide consideration to safety and security during the site planning and design phase by understanding and utilizing the strategies of Crime Prevention Through Environmental Design (CPTED). The following strategies are recommended by Susan Manheimer, Chief of Police for San Mateo, CA.

NATURAL SURVEILLANCE

Natural surveillance increases the threat of apprehension by taking steps to increase the perception that people can be seen. Natural surveillance occurs by designing the placement of physical features, activities and people in such a way as to maximize visibility and foster positive social interaction among legitimate users of private and public space. Potential offenders feel increased scrutiny and limitations on their escape routes.

- Place windows overlooking sidewalks and parking lots.

- Use passing vehicular traffic as a surveillance asset.

- Create landscape designs that provide surveillance, especially in proximity to designated points of entry and opportunistic points of entry.

- Use the shortest, least sight-limiting fence appropriate for the situation.

- Use transparent weather vestibules at building entrances.

- When creating lighting design,
avoid poorly placed lights that create blind-spots for potential observers and miss critical areas. Ensure potential problem areas are well-lit: pathways, stairs, entrances/ exits, parking areas, kiosks, bus stops, children's play areas, recreation areas, pools, storage areas, dumpster and recycling areas, etc.

• Avoid too-bright security lighting that creates blinding glare and/or deep shadows, hindering the view for potential observers. Eyes adapt to night lighting and have trouble adjusting to severe lighting disparities. Using lower intensity lights often requires more fixtures.

• Use shielded or cut-off luminaries to control glare.

• Place lighting along pathways and other pedestrian-use areas at proper heights for lighting the faces of the people in the space (and to identify the faces of potential attackers).

• All security and surveillance features will be subjected to review and input by the Sheriff’s Department Parks Bureau in the design phase of a project to ensure that all security needs are properly addressed.

NATURAL ACCESS CONTROL
Natural access control limits the opportunity for crime by taking steps to clearly differentiate between public space and private space. By selectively placing entrances and exits, fencing, lighting and landscape to limit access or control flow, natural access control occurs.

• Use a single, clearly identifiable, point of entry.

• Use structures to divert persons to reception areas.

• Use low, thorny bushes beneath ground level windows.

• Eliminate design features that provide access to roofs or upper levels.

NATURAL TERRITORIAL REINFORCEMENT
Territorial reinforcement promotes social control through increased definition of the space and improved propriety concern. An environment designed to clearly delineate space creates a sense of the owner’s and/or stakeholder’s common vested interest in that particular space. Natural territorial reinforcement is more likely to discourage crime because of the increased perception that the space is guarded.

• Display notice of security system at park access points.

• Place amenities such as seating elements or vending machines in common areas to attract larger numbers of desired users.

• Schedule activities in common areas to increase proper use, attract more people and increase the perception that these areas are being monitored.

• Implement territorial reinforcement measures to make the park users feel safe while making the potential offenders aware of a substantial risk of apprehension or scrutiny.

OTHER CPTED ELEMENTS
Maintenance and activity support aspects of CPTED were touched upon in the preceding narrative, but are often treated separately because they are not physical design elements in the built environment.

MAINTENANCE
Maintenance is an expression of ownership of property. Deterioration indicates less control by the intended users of a site and indicates a greater tolerance of disorder. The Broken Windows Theory is a valuable tool in understanding the importance of maintenance in deterring crime. Broken Windows theory proponents support a zero tolerance approach to property maintenance, observing that the presence of a broken window will entice vandals to break more windows in the vicinity. The sooner broken windows are fixed, the less likely it is that such vandalism will occur in the future.¹

ADDITIONAL SECURITY FEATURES
• All visual overlooks must have an open unobstructed view of the park and have a 10' wide pedestrian walk for law enforcement accessibility.

• Decorative window guards, such as ornamental bars, screening or panels are recommended for enhanced security and shall be installed per the project facility program. Window guards must not impede passive surveillance.

• Security cameras are recommended for all staffed parks.

• Cameras shall be located per the project facility program with monitors located in the park office.

• Camera’s shall record at the minimum frames per second required to be court legal.

• Provide a minimum of one week record time for the surveillance system.

• Where security camera infrastructure exists to the Sheriff’s Department, security camera feed should be transmitted to the Sheriff’s dispatch station.

• When gates and/or fences are proposed or required, use only openwork or transparent fencing and gates along corridors and trails to allow passive surveillance.

2.2 Buildings
Building design strategies can contribute to conservation efforts in a number of ways. Consideration should be given to remodeling instead of replacing existing buildings.

¹ http://www.sustainableredvelopment.org/AC2010/Handouts/FridayGeneral/Crime%20Prevention%20through%20Environmental%20Design%20%20Manheimer.pdf
wherever possible, building the minimum space necessary to satisfy the functional space requirements and designing multi-functional spaces. In addition, considerable electrical and thermal energy can be saved through building design that incorporates day lighting and other passive energy-conserving strategies appropriate to the local climatic environment.

2.2.1 Contextual Site Considerations

- All structures shall be sited to recognize, preserve and protect established major vistas.
- All structure designs shall consider the distinctive qualities and character of the surrounding architectural vernacular and incorporate those qualities into the design where appropriate.
- All structure designs and historical restorations shall be sensitive to environmental, cultural and historical context.
- All design of structures and park elements shall implement unifying architectural features such as repeating details, colors, and materials in these elements throughout the park. This strategy applies to a new park and existing sites.
- When locating a new park structure, consideration shall be given to site variables (size, shape, topography, orientation, views, and natural features) and climatic variables (severe or temperate).
- When designing a building addition, consideration shall be given to the building’s spatial organization and site orientation. The addition shall be planned to support functional and site sensitive expansion.

2.2.2 Sustainability Considerations

- The Consultant shall perform an analysis of all new building construction and all roof replacement projects to determine the potential benefits of using photovoltaics or solar arrays.
- The Consultant shall perform an analysis of the US Green Building Council’s (USGBC) "Leadership in Energy and Environmental Design" (LEED) criteria as it applies to the design and construction of a building project.
- All new park buildings including those less than 10,000 square feet shall be designed to meet the criteria of U.S. Green Building Council LEED® Rated Silver Certificate for new construction.
- All park building remodels including buildings less than 10,000 square feet shall be designed to meet the criteria of U.S. Green Building Council LEED® Rated Silver Certificate for new construction.

2.2.3 Regulatory Considerations

- All park buildings shall be designed in accordance with all applicable jurisdictional laws and regulations.

2.2.4 Restroom Buildings

Restroom buildings are typically located in local parks, regional parks, and at primary trail heads.

Provide restroom buildings as directed by the project facility program.

SPATIAL CONSIDERATIONS

- Restroom buildings shall be visible and in close proximity to a parking lot and public street.
- The restroom building shall be visible and located within a 100’ radius of children’s play areas.
- The restroom building shall be visible and located within a 150’ radius of active recreation fields.

AMENITIES

- Provide ample paving around the building perimeter for ease of accessibility and entry.
- The restroom building’s exterior and interior walls shall be constructed of split-faced or precision block, with natural or painted surfaces, and coated with anti-graffiti finish.

Exhibit 3: Building Orientation

The south face of a building receives three times more solar heat in winter than east or west facing sides. In summer, east and west faces receive the most solar heat.
Exhibit 4: Preferred Restroom Building Layout Diagram (minimum 2 stalls)
• Concrete structural slab shall be installed per structural design and specifications.
• Roofs shall be constructed of steel seam metal.
• Ventilation and lighting shall be natural, wherever possible.
• Provide interior electrical overhead lighting with timers in all restroom buildings.
• Provide vandal resistant exterior security lighting for all restroom buildings.
• Provide floor drains in each stall.
• One standard and one Americans with Disabilities Act (ADA) compliant drinking fountain shall be located outside of each restroom building.
• Provide a minimum of two standard and one ADA compliant hand washing sinks outside the restroom building.
• All fixtures, including; sinks, toilets, handrails and surface hand dryers shall be stainless steel and vandal resistant.
• All hand dryers shall be electric dryers.
• Doors – 16 gauge steel, with self closing hinges and phenolic finish, hung one-foot (1') above finish floor.
• Plumbing - Water Service shall be Type L Copper (except areas in the North County where freeze conditions occur. In those areas, Type K Copper shall be utilized). Valve combo with cast iron or PVC, DWV, and stainless steel plumbing.

REGULATORY CONSIDERATIONS
• Provide fixture counts based on the current building code with a minimum of two (2) stalls, one (1) women's, one (1) men's. (See Exhibit 4: Preferred Restroom Building Layout Diagram).

2 The restroom building shall comply with current building codes and ADA requirements.
2 http://www.engineersedge.com/finishing/phenolic_coatings.htm

2.2.5 Gymnasium Buildings
The gymnasium is intended to support indoor sports including basketball and volleyball. Additional large-venue, non-fitness events may also occur in the gymnasium.
Provide gymnasium buildings as directed by the project facility program.

SPATIAL CONSIDERATIONS
• The gymnasium building shall be visible and reasonably close to a parking lot and public street.
• Provide an exterior gathering space in close proximity to the gymnasium entrance. Amenities in this space shall include; shaded seating, drinking fountains, bicycle racks and information kiosks. The size of these amenities shall be determined by the size and needs of the facility.
• Provide ample paving around the perimeter of the building for ease of entry and to prevent pedestrian paths of travel through planted areas and to prevent water infiltration into the building.
• The building perimeter paving shall have a minimum two-percent (2%) slope away from all exterior walls within the limit of the first ten feet (10') adjacent all buildings for positive drainage.
• The building perimeter un-paved areas shall have a minimum two-percent (2%) slope away from all exterior walls within the limit of the first ten feet (10') adjacent all buildings for positive drainage.
• The gymnasium office shall have visible access to the adjacent gymnasium through an interior window.

AMENITIES
• Provide a minimum of one standard size basketball court.
• Provide ample spectator circulation space around the perimeter of the basketball court to prevent spectator interference during sporting activities.
• Provide natural ventilation and lighting whenever possible.
• Provide vandalism protection for all heating and cooling vents inside of the gymnasium space.
• Provide portable room separators as directed by the project facility program.
• Provide folding room dividers as directed by the project facility program.
• Provide mat hoists as directed by the project facility program.
• Provide a roll out protective gymnasium floor cover for use during special events.
• Provide telescoping bleachers (on both sides of the basketball court) to maximize the flexibility of the space and to allow sideline space for gymnasium events.
• Provide ADA accessible seating adjacent to the bleachers.
• Provide companion seating, one (1) for each ADA seat.
• Provide an HVAC system to serve as emergency heat relief in the event of a heat wave.
• Provide a stage and changing rooms if directed by the project facility program.
• The stage size must accommodate a variety of activities. The minimum size for a stage is sixteen feet (16') by sixteen feet (16'). This size stage can accommodate a five-piece musical band. The minimum size of the off-stage waiting area shall be a minimum of eight feet (8') in depth. The width of the stage should be approximately one third the total width of the gymnasium.
• Provide sufficient electrical supply for the gymnasium to accommodate the additional circuits neces-
Exhibit 5: Preferred 10,541 sq. ft. Gymnasium Building Layout Diagram - Large space includes Office, Stage and Exercise Room - Option 1

County of Los Angeles Department of Parks and Recreation

Park Design Guidelines and Standards
Exhibit 6: Preferred 9,393 sq. ft. Gymnasium Building Layout Diagram - Small Space includes Office - Option 2
sary for stage lighting.

- Where practical, provide LED lighting for all stage lighting.
- Provide a minimum of two (2) ten feet (10') by twelve feet (12') stage changing rooms, one (1) for women and one (1) for men.
- Provide a minimum of one (1) general office in all gymnasium buildings. The general office will be equipped with a building-wide pager system.
- If security cameras are installed, locate monitors in the gymnasium office.
- Provide a T1 cable system in the office(s), gymnasium, and stage area.
- Provide a staff administration keyless entry system.
- Provide a conveniently located equipment storage space for folding chairs, nets, goals, and other sports equipment. The size of the storage space shall be dependent on the size and requirements of the facility.
- Provide an additional exercise/auxiliary room adjacent to the gymnasium. This room shall be a minimum 450 square feet.
- Provide restrooms, showers, and locker rooms as directed by the project facility program.
- Provide one (1) standard and one (1) ADA compliant drinking fountain, located adjacent to the gymnasium restrooms.
- Provide a controlled and secured entrance to all showers and locker rooms.
- Provide privacy walls between each shower.
- Provide at least one double-door building entry for the delivery of equipment.
- Provide security lighting on or near the building.

**REGULATORY CONSIDERATIONS**

- All gymnasium restrooms, locker rooms, dressing rooms and showers shall comply with current building codes and meet current ADA requirements.
- Fixture count shall be in compliance with Title 28 of the Los Angeles County Code Chapter 4, Section 412.0.
- The gymnasium restroom fixture count shall be in compliance with the State of California Building Code Title 24 Part 5 Chapter 4 item 412.0.

### 2.2.6 Community Buildings

The community building is intended to support indoor organized community events, meetings and activities. Provide community buildings as directed by the project facility program.

**SPATIAL CONSIDERATIONS**

- The building shall be visible and reasonably close to a parking lot and public street.
- Provide a drop off/pick-up zone near the main entrance where possible.
- Provide a paved special events plaza near the main entrance or the multi-purpose room.
- Provide ample paving around the perimeter of the building for ease of entry, to prevent pedestrian paths of travel through planted areas.
areas and prevent water infiltration into the building.

- The building perimeter paving shall have a minimum two-percent (2%) slope away from all exterior walls within the limit of the first ten feet (10') adjacent all buildings for positive drainage.

- The building perimeter un-paved areas shall have a minimum two-percent (2%) slope away from all exterior walls within the limit of the first ten feet (10') adjacent all buildings for positive drainage.

AMENITIES

- Provide multi-functional activity rooms that can be used for a variety of activities throughout the day for different age groups.
- Each classroom shall accommodate 20 to 30 people.
- Provide folding room dividers as directed by the project facility program.
- Provide resilient flooring such as linoleum, vinyl composition tile or rubber tile floor.
- Provide a computer training room that will accommodate up to 10 workstations.
- Provide a kitchen that meets all County Los Angeles Health Department requirements and ADA requirements.
- Provide two (2) offices, one (1) private office, and one (1) general office with three to four workstations. The general office will be equipped with a building-wide pager system. Staff must have visual access to corridors from the general office. These offices shall be grouped together in a common area.
- If security cameras are installed, locate monitors in the community building office.
- Provide a T1 cable system in all office and conference room(s).
- Provide a staff administration keyless entry system.
- Provide a custodial storage room and separate, adjacent storage space.
- The custodial storage room is for the storage of normal day-to-day paper products, cleaners, and equipment. This room shall be sized to accommodate supplies for two weeks to one-month.
- Provide ventilation in the custodial storage room to eliminate odors from permeating into other rooms of the building.
- Provide a floor sink and a floor drain in the custodial storage room.
- Provide a storage room to contain equipment and materials used to support park programs and activities.
- Provide restrooms inside the building as directed by the project facility program.
- Provide one (1) standard and one (1) ADA compliant drinking fountain, located adjacent to the community center restrooms.
- Provide natural lighting whenever possible.
- Provide HVAC system to serve as emergency heat relief in the event of a heat wave.
- Provide bicycle racks, trash receptacles, and drinking fountains near the building entrances.
- Provide security lighting at or nearby the building.
- Provide directional signage from the street to the main entrance.

REGULATORY CONSIDERATIONS

- All community building restrooms shall comply with current building codes and meet current ADA requirements.
- Fixture count shall be in compliance with Title 28 of the Los Angeles County Code Chapter 4, Section 412.0.
- All kitchens shall comply with the County of Los Angeles Public Health, Environmental Health Program. Reference the "Retail Plan Check Construction Guideline" in the Food section of this document.
• All kitchens shall comply with the County of Los Angeles Fire Department, County Facilities Codes and Ordinances. All gymnasium restrooms, lockers, dressing rooms and showers shall comply with current building codes and meet current ADA requirements.

2.2.7 Sports Field Concession Stand

Provide sports field concession stands as directed by the project facility program.

SPATIAL CONSIDERATIONS
• Locate the concession stand in close proximity to the ball field spectator area.
• Provide a vehicular access pathway to the building.
• The concession stand should be reasonably close to a trash enclosure.
• Provide ample paving around the building perimeter for ease of entry and pedestrian accessibility.

AMENITIES
• Provide kitchen facilities for warming pre-packaged food only.
• Install resilient flooring such as linoleum or vinyl composition tile.
• Provide ample in-unit storage space within the building.
• Include a double-door entry for delivery of products and equipment.
• Provide roll-up window(s) for serving access.
• Ventilation and lighting shall be natural whenever possible.
• Provide a HVAC system.
• Provide a staff administration keyless entry system.
• Provide security lighting at or near the building.

REGULATORY CONSIDERATIONS
• All kitchen amenities shall comply with the County of Los Angeles Public Health Department requirements.
• The concession building shall comply with current building codes and meet all ADA requirements.

2.2.8 Maintenance Buildings / Yards

Maintenance buildings and yards support a broad spectrum of recreational facilities. Provide a maintenance yard as directed by the project facility program.

SPATIAL CONSIDERATIONS
• Where possible provide separate entrances to the maintenance yard and the parking lot.
• If a separate entrance to the maintenance yard and the parking lot is not feasible, locate the entrance to the maintenance yard off the parking lot.
• Provide screening between the maintenance yard and the park.
• The maintenance office shall have visible access to the adjacent yard.
• Provide space in the maintenance building to accommodate the storage of maintenance vehicle(s) as directed by the project facility program.
• Provide space in the maintenance building to accommodate the storage of maintenance tools, supplies and materials, as direct-
ed by the project facility program.

- Provide space in the maintenance yard to accommodate the storage of building and maintenance materials, as directed by the project facility program.
- Provide secured gates and fencing around the perimeter of all maintenance yards.

AMENITIES

- Provide office space for staff in the maintenance building. The office size will be as directed by the project facility program.
- Provide a staff administration keyless entry system.

- Provide a minimum of one (1) ADA accessible restroom in each maintenance building.
- Provide a rest/eating area and a kitchenette space (microwave and refrigerator only) in each maintenance building.
- Provide a T1 cable system in each maintenance building.
- Provide roll-up doors for entry into maintenance building.

REGULATORY CONSIDERATIONS

- All bulk items, new or used, should be covered (and elevated on a palette). Particularly trash, and other waste items such as oil, grease or other miscellaneous hazardous materials, to mitigate contamination of stormwater runoff per Department Stormwater Pollution Prevention Plan, under NPDES\(^3\).
- All restrooms shall comply with current building codes and meet current ADA requirements.
- The restroom fixture count shall be in compliance with the State of California Building Code Title 24 Part 5 Chapter 4 item 412.0.

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\(^3\) http://dpw.lacounty.gov/wmd/npdes/public_tc.cfm

Exhibit 10: Preferred Large Maintenance Building and Yards Layout Diagram -

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PARK DESIGN GUIDELINES

Park Design Guidelines and Standards  County of Los Angeles Department of Parks and Recreation
2.3 Parking Lots

The parking lot is the first and the last element of a park facility to be viewed by many visitors. It is the gateway through which most visitors pass. This first impression is very important in establishing the overall feeling and atmosphere conveyed to the user.

SPATIAL CONSIDERATIONS

- Provide adequate parking at each park location to minimize parking on residential and arterial streets.
- Provide parking lots that service and support park facilities. These parking lots shall not bisect or segment the park site.
- Provide overflow parking for special events as directed by the project facility program.
- Parking lots must remain visually unobstructed and highly visible at all times.
- Locate parking lots in close proximity to major park activity areas.
- Maximum non-pedestrian route-of-travel grades in a parking lot shall not exceed nine percent (9%).
- The parking stall and aisle dimensions and angles illustrated in Table 1 on the next page shall be utilized in parking lot design layout.

AMENITIES

- Provide a barrier gate at park vehicular entries.
- Provide vegetated screening or visual barriers to prevent vehicle headlights from shining into residential areas.
- Provide access barriers at parking lot perimeters. Perimeter barrier material is typically but not limited to a 6" high concrete curb.
- Provide maintenance vehicle access to the primary 10' wide park circulation system off the parking

Exhibit 11: Parking Lot Curb - 6" Curb Adjacent Primary Pedestrian Walk

Exhibit 12: Parking Lot Curb - 6" Curb Adjacent Planted Area

Exhibit 13: Parking Lot Curb - 0" Curb Face at ADA Parking Stalls
**Park Design Guidelines**

- Provide trees, shrubs, and ground cover at suitable intervals in order to break up the continuity of the parking area.
- Ensure that wheel stops and curb heights do not impact vehicular clearance.
- All plant material in front of a parking stall as illustrated in Exhibit 12: Parking Lot Curb - 6" Curb Adjacent Planted Area, must be low groundcover with a maximum height of six inches (6").
- Where no wheel stops have been provided and there is an encroachment of a car over the required width of an adjacent walkway, an additional two feet (2') must be added to the width of the walkway.
- Provide a one-foot (1') wide concrete "step out" at all landscaped areas adjacent to parking stalls.
- In order to provide shade to vehicles and lower the heat island effect in parking lots, provide one 24-inch (24") box tree per four (4) parking stalls.
- The parking lot tree canopy shall provide at least forty percent (40%) shade coverage in the open parking areas within fifteen (15) years.

![Diagram of parking lot layouts](image)

**Table 1: Minimum Dimensions for Parking Stalls**

<table>
<thead>
<tr>
<th>Angle (degrees)</th>
<th>90</th>
<th>60</th>
<th>45</th>
</tr>
</thead>
<tbody>
<tr>
<td>B Stall</td>
<td>18’-0”</td>
<td>20’-1”</td>
<td>19’-1”</td>
</tr>
<tr>
<td>C Aisle</td>
<td>26’-0”**</td>
<td>20’-0”**</td>
<td>14’-0”**</td>
</tr>
<tr>
<td>Overall Width</td>
<td>62’-0”</td>
<td>60’-2”</td>
<td>52’-2”</td>
</tr>
<tr>
<td>Curb Length</td>
<td>9’-0”</td>
<td>10’-5”</td>
<td>12’-9”</td>
</tr>
</tbody>
</table>

* One way traffic  
** Two way traffic

- Provide trees, shrubs, and ground cover at suitable intervals in order to break up the continuity of the parking area.
- Landscape plants shall not block the view of motorists and pedestrians.
- Provide landscaped islands with a minimum width of five (5) feet, and a one (1’) foot step-out excluding the curb width, at each end of the parking lot lanes per Exhibit 14: Shade Tree Layout in Parking Lots.
- Provide five foot (5’) diamond shaped curb height tree planters, excluding the width of the curb, in double loaded parking stall areas per Exhibit 14: Shade Tree Layout in Parking Lots.
- Additional parking over and above the County of Los Angeles Code Chapter 22.52, General Regulations, Part 11, Vehicle Parking Space, shall be provided for parks with sports fields as shown in Table 2.4

4 Carpenter, Handbook of Landscape Architectural Construction (1976)
Public lighting, meeting current California Code of Regulations and all local building standards.

- Provide at least two points of ingress/egress access drives, a turnaround, or a "hammer head" for all size vehicles.
- Parking shall comply with the most current ADA standards and guidelines.
- Provide ADA compliant parking stalls and signage per the current State and Federal requirements. The parking area shall be clearly marked to delineate parking spaces and to direct traffic flow.
- Parking lot design shall comply with the County of Los Angeles Code Chapter 22.52, General Regulations, Part 11, Vehicle Parking Space, unless otherwise specified in the Park Design Guidelines.
- The number of parking spaces shall comply with the County of Los Angeles Department of Regional Planning Code for all facilities unless otherwise specified in the Park Design Guidelines. Provide additional parking as noted in Table 2.
- Park design must comply with County of Los Angeles Code Title 22, Chapter 15.52 crosswalks and bicycle lanes.

### 2.4 Circulation

A well-connected network of park roads and paths provides an effective means to accommodate all forms of travel including; walking, bicycling, and transit. Multiple routes through a well-connected park circulation system ensures that attractive walking and bicycling routes are widely and safely available. Consider the following for developing effective park circulation systems:

- Develop one main park entry, where a park design or theme can be established to create the park’s identity and sense of arrival.
- Provide a highly visible and distinct park entry marker or gateway to create a sense of transition and arrival to the destination.
- Primary paths - Provide at least one path of travel within the park design which connects all major use areas. This concrete pathway should be ten feet (10') wide preferred, and a minimum of eight feet (8') wide, for use by maintenance and service vehicles. All curves within this route shall contain radii no less than ten feet (10').
- Secondary paths shall be a minimum of six feet (6') wide.
- Tertiary paths consist of non-circulation routes, e.g. (around play areas), and shall be a minimum of five feet (5') wide.
- Provide adequate access for fire, emergency response, and maintenance vehicles in parks and open space areas.
- Create anticipation and visual interest by framing views and directing attention to landscape features along the pathways.
- Provide deliberate focal points such as a circular drop-off or plaza where the network of pedestrian paths, bicycle routes and vehicular roads meet.
- Locate primary and secondary paths to minimize environmental impacts on the site.
- Locate all park fixtures, such as security lights and trash receptacles on concrete pads outside the limit of the walkway width.
- Park benches and drinking foun-

**Table 2: Minimum additional parking for sports fields**

<table>
<thead>
<tr>
<th>SPORT</th>
<th>MINIMUM PARKING SPACES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Softball</td>
<td>15 spaces/field</td>
</tr>
<tr>
<td>Baseball</td>
<td>20 spaces/field</td>
</tr>
<tr>
<td>Soccer, football, lacrosse</td>
<td>16 spaces/field</td>
</tr>
<tr>
<td>Basketball</td>
<td>6 spaces/field</td>
</tr>
<tr>
<td>Tennis</td>
<td>2 spaces/field</td>
</tr>
<tr>
<td>Volleyball</td>
<td>6 spaces/field</td>
</tr>
</tbody>
</table>
Park Design Guidelines
and Standards

County of Los Angeles Department of Parks and Recreation

uffers shall be located outside the limits of the pathway width. This space shall include the width of the amenity and ADA path of travel.

2.4.1 Pedestrian

- Provide a clear separation between the park's vehicular and pedestrian entrances.
- Provide open access to the park and to its facilities for all pedestrian park users, with visibly marked ADA accessibility.
- Where a pedestrian path crosses a vehicular road, provide a pavement warning tile system and identify the path with visible signage and/or striping.
- Provide pedestrian entrances near existing or proposed crosswalks.
- Direct pedestrian entrances toward public transit centers to encourage and facilitate alternative modes of travel to the park.
- Pedestrian paths shall provide direct access to the play area, restrooms, and sports fields.
- Provide textured paving where tertiary walkways intersect secondary paths of travel at restroom buildings and children's play areas, to discourage skateboarding.
- Pedestrian paths and bicycle routes shall be clearly marked, and where possible separated from vehicular travel.

2.4.2 Vehicular

- Locate the park vehicular entry to avoid conflicts with established rights-of-ways.
- Where possible provide separate entrances to the parking lot and maintenance yard.
- If a separate entrance to the maintenance yard and the parking lot is not feasible, locate the entrance to the maintenance yard off the parking lot.
- Provide maintenance vehicle access from the parking lot to the major, ten feet (10') wide concrete paths. The path should be secure from public vehicular access via removable bollards. This path must be designed to support large maintenance vehicles with load weights of up to twenty (20) tons.
- Where roadways are part of a park plan, they shall be designed to control vehicular speeds.
- Automobiles are usually restricted to the perimeter of the park site. This can pose problems when programmed recreation events demand equipment to be delivered by vehicles. Avoid damage to fragile vegetation and irrigation systems by providing primary, ten foot (10") wide, paths that can support vehicular use near recreation fields.

TRAFFIC CALMING

- Provide traffic calming design solutions where public vehicular roads travel through the park site. Traffic calming solutions may include but are not limited to the following:
  - Speed humps
  - Textured decorative paving
  - Traffic circles or roundabouts
  - Neckdowns/chokers (curb extensions)

2.4.3 Bicycle

To encourage and facilitate bicycle travel to the park, provide bicycle path connections from the park to the following locations:

- Public bicycle paths
- Street paths
- Bike racks/storage

2.4.4 General

- All paving design criteria shall comply with the Geotechnical Engineer's recommendations.
- All pathways and edging shall be installed flush with surrounding grades with the exception of the following:
- Finish surface elevation of planting areas shall be two inches (2") lower than adjacent
edging or paving, to allow for mulch.

- Finish surface elevation of turf areas shall be one inch (1") lower than adjacent edging or paving to allow for thatch build-up.

- Decomposed granite (D.G.) paving shall be contained with a six inch (6") wide concrete mow strip on both sides of the paving, and flush with the paving surface.

- D.G. used for walking paths and as paving shall be stabilized, unless otherwise specified in the facility program.

- D.G. used as mulch for planting areas shall be unstabilized.

- Provide a one foot (1') wide mow strip under all tubular steel and chain link fencing placed in landscaped areas.

- Avoid abrupt and/or protruding edges or abrupt grade changes on all roads, walkways and bicycle paths.

- Approved Root Barriers shall be used along the edge of new roadways and pathway paving within the drip line of existing trees, or within ten feet (10') of newly planted trees.

- Design utility corridors in close proximity to roads and major walkways, to reduce future disturbance of these areas from maintenance and repair operations.

2.5 Recreational Facilities

The location and orientation of recreation fields shall recognize and be sensitive to the established surrounding conditions. Care must be taken to address potential conflicts with adjacent passive use areas including children's' play areas.

The size and shape of a site can have a major influence on the types of recreation uses it can support. For example, a large, regularly shaped site may be well suited for a multiple athletic field complex (e.g., soccer or baseball) while a smaller, irregularly shaped site may not be able to support this level of development and may be better used for smaller athletic fields or courts (e.g., basketball or tennis courts). In addition to the area requirements for the selected recreational activity, additional space may be required for supporting facilities such as, parking lots, concession stands, spectator areas, maintenance yard, and storage buildings. At multiple athletic field complexes, space also may be needed for buffer zones between fields and drainage features.

Table 3: Standard Field Dimensions and Acreage for Athletic Fields provides standard field dimensions and acreage for common athletic fields to be used in designing County parks, unless otherwise directed by the project facility program. The area required for most playing fields ranges from approximately 0.05 acres (a volleyball court) to three acres (an adult level baseball field). However, recreational facilities consist of more than just a playing field. When estimating the area needs for a recreation facility, the size of the fields and spatial requirements for supporting features or areas need to be considered. The following list represents typical park amenities to be considered:

- Parking
- Restrooms
- Storage facilities
- Concession facilities
- Bleachers or other spectator areas
- Spillover noise and activity areas
- Surface drainage features

![Exhibit 18: Preferred Baseball/Softball Field Orientation](image-url)
• Buffer zones
• Maintenance access areas

2.5.1 Ball Fields

SPATIAL CONSIDERATIONS

Field sizes vary from approximately three-quarters of an acre for a little league baseball field, to approximately three acres for an adult baseball field, with the center field fence 380-feet away from home plate. To account for additional space required for errant balls, spectator areas, and other ball field features, a full size baseball field may need up to six acres.

• To address errant balls along the foul ball lines, a physical buffer or sufficient space should be provided for public safety.

• The preferred field orientation locates the third base line aligned with true north. However, some sites may require variations from this preferred orientation.

• Fields shall be crowned in the center with drainage to the sides with no more than a two percent (2%) slope for positive drainage. However, if specific site conditions make this unattainable, other drainage options will be considered.

AMENITIES

• Install ground sleeves for portable Little League fencing 235' from home plate.

• Provide spectator seating areas with shade covers at all baseball and softball fields.

• Spectator areas shall consist of either aluminum or concrete tiered seating and shall accommodate ADA compliant seating and companion seating.

• Provide chain link fence enclosed dugouts with shade covers, player's benches, bat racks, and area for players equipment bags.

• Provide one (1) ADA compliant pedestal drinking fountain centered between the dugout and spectator bleachers.

• Provide softball infield mix of sixty percent (60%) brick dust to forty percent (40%) clay.

• Ball field turf areas shall be planted with hybrid-bermuda turf.

• Provide irrigation quick couplers at the fence line in two locations:
  - One (1) between home plate and first base
  - One (1) between home plate and third base

SPECIALIZED AMENITIES TO BE PROVIDED AS INDICATED BY THE FACILITY PROGRAM

• Provide concession building.

• Provide a public address system with announcer's table.

• Provide electronic scoreboard with score keepers console accessible from the 3rd base bleachers.

• Provide equipment storage containers/bins; one for recreation equipment and a second for grounds maintenance equipment.

• Provide batting cages with pitching machine electrical outlets.

• Provide outfield fencing with Poly-Cap or equivalent safety fence guard.

• Fence height shall be per facilities program.

• Provide sports lighting and sports lighting timers.

• Provide an infield irrigation system (pop-up rotors).
Exhibit 19: Baseball Field - Standard Layout

Exhibit 20: Baseball Field - Dugout and Spectator Seating enlargement
Exhibit 21: Softball Field - Standard Layout

Exhibit 22: Softball Field - Dugout and Spectator Seating enlargement
system.

- Locate all utility controls (sports lighting, infield irrigation controller, etc.) in an area convenient for operation and maintenance.

2.5.2 Sports Fields

Many large athletic fields can be used for multiple purposes and sports of similar sizes and dimensions. Table 4: Standard Court Dimensions and Acreage for Basketball Courts provides the field dimensions of typical sportsfields. Football and soccer are two of the most popular sports and their field sizes are quite compatible for dual use. A typical soccer field layout is provided in Exhibit 23.

Soccer fields vary greatly in size depending on the age and level of play. A field for players of age six (6) and under is approximately 0.12 acres in area while a field for adults can require nearly two (2) acres. Additional area is also required for spectator areas, missed shots, and errant passes. An adult soccer field with supporting areas may need up to three acres of land.

SOCCER AND MULTI-USE FIELDS

- All fields shall have a (2%) max. slope for positive drainage. However, if specific site conditions make this unattainable, other drainage options will be considered.

- The long axis of the field shall have a north/south orientation whenever possible.

- Where there are multiple fields, the minimum space between fields shall be twenty feet (20').

- Provide an area of 20’ in width around the field’s perimeter (10’ minimum) with no trees (measured from the maximum drip line), berms, planters, sidewalks or light standards.

- Fields shall typically have a corner pitch drainage pattern unless specific site conditions prohibit this.

- Soccer fields shall be planted with hybrid-bermuda turf.

- Markings for Soccer Fields are chalked prior to the game. Permanent field markings are not necessary unless the playing fields are synthetic turf.

SPECIALIZED AMENITIES TO BE PROVIDED AS INDICATED BY THE FACILITY PROGRAM

- Provide all synthetic turf fields with:

<table>
<thead>
<tr>
<th>Sport</th>
<th>Field Dimensions</th>
<th>Minimum Acreage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soccer</td>
<td>225’ x 330’ field dimension</td>
<td>1.7 acres</td>
</tr>
<tr>
<td>Football</td>
<td>120 yards x 53 yards</td>
<td>1.3 acres</td>
</tr>
<tr>
<td>Field Hockey</td>
<td>100 yards x 60 yards</td>
<td>1.2 acres</td>
</tr>
<tr>
<td>Lacrosse</td>
<td>119 yards x 69 yards</td>
<td>1.7 acres</td>
</tr>
</tbody>
</table>

Irrigation system for cooling fields and cleaning

10’ high perimeter fencing

Subsurface drainage
2.5.3 Sports Courts

BASKETBALL AND MULTI-USE COURTS

The table below lists common dimensions and areas for basketball courts. A diagram of a typical basketball court is provided to the right. Futsal (Five-a-Side-Soccer) is also compatible with sports courts.

- Where possible, locate sports courts along the edges of the park to maximize visibility for security. Provide a separation from the street with a low berm or low planted landscape buffer. This separation shall be a minimum of fifteen feet (15') and a maximum of twenty feet (20') in width.
- All courts shall have a (1%) max. slope for positive drainage.
- Provide sports lighting as indicated by the facility program.
- Surrounding land uses must be considered for possible impacts from noise and sports lighting.
- Adult / teen basketball activities should be located away from small children’s and passive activity areas.
- Provide shaded spectator seating at the perimeter of the basketball court.
- The court surface shall be integral colored concrete with a medium broom finish to prevent slipping.
- Provide basketball pole pads on the pole standards.
- Provide a minimum of ten feet (10’) between courts placed side-by-side, or end-to-end.
- All markings on the playing surface shall be applied using a wear-resistant, colored substance. All markings shall be a minimum of two inches (2”) in width. Color to be white.
- Stripe volleyball court lines on a basketball court yellow.
- Provide in-ground sleeves and court striping to accommodate three (3) removable volleyball
court standards (two (2) half courts and one (1) full court).

- The long axis of the court shall have a north / south orientation wherever possible.

**Exhibit 25: Volleyball Court - Standard Layout over a Basketball Court**

**Table 6: Standard Court Dimensions and Acreage for Volleyball Courts**

<table>
<thead>
<tr>
<th>Sport</th>
<th>Field Dimensions</th>
<th>Minimum Acreage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Volleyball Court and half Court</td>
<td>30’x 60’</td>
<td>0.11 acres</td>
</tr>
</tbody>
</table>
TENNIS COURTS

The table below lists common dimensions for tennis courts. A diagram of a typical tennis court is provided.

• Tennis courts shall be oriented with the long axis north to south.

• Courts shall be concrete with an appropriate slip-resistant surfacing. Colors shall be determined by the Department during design.

• Side by side courts within one fenced enclosure shall be a minimum of twelve feet (12') apart. End to end courts within one fenced enclosure shall be a minimum of twenty-one feet (21') feet apart.

• All markings on the playing surface shall be applied using a wear-resistant, colored substance, a minimum of two inches (2") inches wide. Color to be determined and approved by the Department during design. Refer to Exhibit 26 for a diagram of a typical Tennis court.

• Provide vented windscreen fabric on perimeter fencing.

• Provide a practice wall (without side walls) on one side or end of the tennis court.

<table>
<thead>
<tr>
<th>Table 7: Standard Court Dimensions and Acreage for Tennis Courts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sport</td>
</tr>
<tr>
<td>----------------</td>
</tr>
<tr>
<td>Tennis Court</td>
</tr>
<tr>
<td>Tennis Enclosure</td>
</tr>
</tbody>
</table>

Exhibit 26: Tennis Court - Standard Layout
VOLLEYBALL COURTS

The table below lists common dimensions and areas for volleyball courts. A diagram of a typical volleyball court is provided to the right.

- Volleyball courts can be concrete, sand or grass. The volleyball surface shall be determined by the project facility program.
- If sand is specified, provide 20-30 mesh silica sand.
- If sand is specified affix court-boundary nylon cords to subgrade anchors.
- When placed side by side, volleyball courts they shall be a minimum of ten feet (10') apart and a minimum of fifteen feet (15') apart when placed end to end.
- A standard sand volleyball court is thirty feet (30') by sixty feet (60'), with the sand area fifty feet (50') by eighty feet (80') feet. A twelve foot (12') wide zone beyond the sand is typically provided around the court for players to pursue the ball. The total area required is approximately 0.2 acres. Although sand depths vary, a depth between twenty-four inches (24") and forty-two inches (42") is preferred. Refer to Exhibit 27 for a diagram of a typical volleyball court.
- The fifty feet (50') by eighty feet (80') sand area shall be contained by a six inch (6") wide rubberized border.
- The twelve foot (12') zone beyond the sand area shall be turf.
- All markings on concrete playing surfaces shall be applied using a wear-resistant, colored substance. Color to be determined and approved by the Department during design.
- Provide shaded spectator seating adjacent all volleyball courts.
- Adult / teen activities such as volleyball should be located away from small children’s activities.

<table>
<thead>
<tr>
<th>Sport</th>
<th>Court Dimensions</th>
<th>Minimum Acreage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Volleyball</td>
<td>60'x30'</td>
<td>0.041 acres</td>
</tr>
<tr>
<td>Volleyball Play Zone</td>
<td>80'x50'</td>
<td>0.091 acres</td>
</tr>
</tbody>
</table>

Exhibit 27: Volleyball Court - Standard Layout
FUTSAL COURTS

Futsal is a variation of soccer that is played on a smaller playing surface and mainly played indoors on a hard court surface. It is frequently referred to as Five-A-Side or Mini-soccer. It is played between two teams of five players, one of whom is the goalkeeper.

The table below lists common dimensions and areas for futsal courts. A diagram of a typical futsal court is provided to the right.

- Provide hard court surface delimited by lines applied using a wear-resistant, colored substance.
- No boundary walls or boards are necessary.
- Provide court dimensions of eighty-one feet (81') by forty-eight feet (48').
- Provide two team benches and an officials table.
- Provide two goals on each end of the court.

2.5.4 Extreme Sports

There are several characteristics common to most extreme sports. They typically have a younger-than-average target demographic, are rarely sanctioned by schools, and tend to be more solitary than traditional sports. Participants in these activities compete not only against others, but also against environmental obstacles and challenges.

SKATE PARKS

There are a variety of styles of skate parks with varying degrees of difficulty inherent to skate parks. While above ground skate parks offer the convenience of installing moveable skate elements, in-ground skate parks offer greater challenge and a higher degree of flow or movement between the elements. However, varied in their design, the County’s skate parks shall share the following features and elements inherent to these facilities:

Table 9: Standard Court Dimensions and Acreage for Futsal Courts

<table>
<thead>
<tr>
<th>Sport</th>
<th>Court Dimensions</th>
<th>Minimum Acreage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Futsal Court</td>
<td>81’ x 48’</td>
<td>0.09 acres</td>
</tr>
</tbody>
</table>

Exhibit 28: Futsal Court - Standard Layout
• A minimum of 5,000 s.f. skating area should be allocated.

• Skate elements, including complexity and degree of difficulty shall be determined by the Agency based on community needs and desires.

• Skate surfaces shall be smooth concrete with a tubular steel perimeter fence enclosing the area.

• Provide a vehicular maintenance pathway and double-gate entry for vehicular access.

• Provide shaded spectator bleachers and a drinking fountain.

• Surfaces shall slope to capture and manage storm water run-off.

• Provide sports lighting sensitive to spill-over into the surrounding neighborhood.

• Locate facility away from small children’s activities.

• Provide a pedestrian path linking the skate park to the park’s primary circulation path.

2.5.5 Active Recreation Amenities

To promote a healthy active lifestyles, the inclusion of non-traditional sports activities and creative recreation amenities are included in park design. These amenities have emerged as popular park amenities.

FITNESS ZONES

Fitness zones are outdoor facilities designed with kinetic exercise equipment, to promote general health by encouraging active participation on high quality outdoor equipment.

• Provide ADA accessibility into the fitness zone.

• Provide a surface material consistent with achieving ADA access to the individual exercise apparatus.

• Provide durable and vandal resistant equipment appropriate for teenagers and adults of all fitness levels.

HORSESHOE PITS

• Provide this recreation element as directed by the facility program.

• The overall length is 48' long and 6' wide, and includes The Pit, The Pitching Platform, and The Stake.

• A diagram of a typical horseshoe pit is provided below.
2.5.6 Children's Play Areas

Children's play areas fall into two age group classifications: Pre-school age children of two to five (2-5) years and school age children ages five to twelve (5-12) years. Each age group category must have a distinctly different space with required separations.

Provide children's play areas as directed by the project facility program.

SPATIAL CONSIDERATIONS

- Pre-school age children play areas, often referred to as tot-lots, shall have a suggested area of 2,500 s.f., and shall be designed for pre-school age children of two to five (2-5) years of age, and have a recommended maximum deck height of forty-eight inches (48").

- School age children play areas shall have a suggested area of 5,000 s.f., and shall be designed for five to twelve (5-12) years of age and have deck heights ranging upwards of six feet (6').

- Composite play areas that serve children of both two to five (2-5) years and five to twelve (5-12) years shall be a minimum of 7,000 s.f. in size with functionally separate play structures and events.

- In single composite play areas that serve children of both two to five (2-5) years and five to twelve (5-12) years, provide space and/ or a barrier to separate the two age groups and ensure that play patterns do not interfere with one another.

- Play areas should be sited with safety in mind and follow the following criteria:
  - Maintain 150' from vehicular travel or provide a forty- two to forty- eight inch (42"-48") high fence to prohibit children from running into vehicular traffic.
  - Maintain a safety buffer around all baseball / softball fields. Refer to Exhibit 30: Buffer Between Children's Play Areas and Ballfields.

- Provide shade structures that are free-standing or attached to the play structures.
- Provide shade structures with steel posts, and rigid metal roofing or shade fabric.
- Provide restrooms with hot water preferably, within 100' of play area.
- Restrooms must be in a clear line of sight from play areas.
- Provide ADA compliant water fountains in close proximity to play areas.
- Drinking fountains shall be located a minimum of twenty-five feet (25') from all play areas.
- Drinking fountains shall be visible from play areas.
- Design facilities to permit use by the physically disabled by providing ground play opportunities, transfer points to elevated play, and either ramps with engineered wood fiber or flush installation of rubber tile surfacing.
- Scale equipment and apparatus to the size of the intended users.
- Provide irrigation quick-couplers outside the perimeter of play areas. The distance between quick couplers shall be fifty feet (50').

LAYOUT

- Provide age designation signage at the entrance of each play area that states the age appropriateness of the play equipment and recommendations for adult supervision.
- Provide an ADA compliant access ramp near the play equipment transfer deck per the Consumer Product Safety Commission (CPSC) Guidelines.
• Provide a two-inch (2") clearance between the finished surface of the engineered wood fiber or playground sand, and the top of adjacent play area curb. The preferred surfacing for fall attenuation is engineered wood fiber with a minimum depth of sixteen-inches (16").

• Orient the swing area away from the active play area to avoid conflicts in play circulation. Swings can be either visually or physically separated from the active play area.

• Provide an additional two feet (2') between the required fall zone of a play component and the play area containment edge.

• Equipment layout including fall zones must follow current CA State law AB1144 Harmon, ADA regulations, Consumer Product Safety Commission (CPSC) Guidelines, and ASTM.

• As a general rule, provide a one hundred and fifty cubic foot (150 cu. ft.) drain sump per one thousand five hundred square feet (1,500 sq. ft.) of play area surface.

• All sumps shall follow the County Standard Details, with a drain pipe connecting all sumps within the play area to a sump outside the play area.¹

• Where possible, an overflow drain pipe shall be used to connect the drain sump outside the play area to the nearest storm drain. An alternate drainage outlet may be located through a curb to the storm drain or to a rip-rap outfall.

• All play structure footings shall be per the manufacturer’s details, and are to be a minimum of eighteen inches (18") diameter by three feet (3') deep.

• Where non-standard manufacturer footings are required, the County prescribes that the volume of concrete be multiplied by one and a half, with the minimum depth to remain at three feet (3').

• All posts shall extend to the bottom of the footing with a minimum clearance of three inches (3") on all sides of concrete footing. Provide a clamp or other acceptable mechanism to anchor the post inside the footing.

• Curbs and ramps should all be as per County Standard Details.¹

EQUIPMENT

• The Department shall approve colors of the play components.

• Playground equipment and design shall meet current U.S. Consumer Product Safety Commission (CPSC) guidelines and standards as set forth in the Handbook for Public Playground Safety, as intended by SB 2733, and updated as per AB 1144 (Harmon), and shall meet or exceed ASTM standards.

• All play equipment shall be IPEMA certified.

• Playground design shall comply with the latest requirements of ADA for public agencies, which include accessible elevated, and ground level events.

• As a rule, play equipment shall be from the standard manufacturer’s equipment currently specified at County Parks. However, different equipment may be installed as directed by the facility program.

• Alternative play equipment such as climbing boulders or concrete animal sculptures may be used as directed by the facility program.

• Playground equipment components shall be specified of durable construction with:
  - Five inch (5") primary post-size minimum.
  - UV stabilized rotomold polyethylene.

• All plastic components shall be constructed with UV inhibitors for longevity.

• Hardware shall be of an uncommon head type or have an insert/cover for vandal deterrent purposes.

• Ropes shall be constructed of nylon with a steel core.

• Play equipment design shall consider durability and the long-term maintenance requirements of the specific equipment, as well as the potential for vandalism and graffiti.

• All proposed play equipment is expected to be in place for a minimum of twenty (20) years.

• Wooden play equipment shall not be specified.

• Swings shall be provided as a standard element in all play areas.

• The design and equipment shall include a variety of play elements that encourage:
  - Swinging
  - Spinning
  - Hand over hand and side to side climbing
  - Balance challenges
  - Overhead activities
  - Sliding
  - Sensory development
  - Crawling
  - Imagination
  - Adventure

• The Department encourages unique innovative designs that provide increased play value, i.e. electronic play systems.

• Play area themes may be considered where the budget is not adversely affected by the introduction of custom designed elements.
SURFACING

- The preferred surfacing for fall attenuation is engineered wood fiber with a minimum depth of sixteen inches (16”).

- Rubber tile may be used as an alternate with the stipulation that the critical fall height be increased by one foot (1') from the actual equipment requirements, and all tile in the same plat site shall be the same thickness.

- Rubber tile shall be installed over a four inch (4”) nominal slab with #4 rebar at eighteen inches (18”) on-center each direction.

- All rubber tiles shall be provided with a fifteen-year warranty (not pro-rated) to ensure the surfacing meets the required fall attenuation.

- Poured-in-place rubber surfacing will not be accepted as a play surface.

- Provide nominal 3’ x 3’ rubber mats as per County Standard Details under all swings, and at all slide exits when engineered wood fiber or sand are used for the fall surface.

2.5.7 Splash Pads

All design criteria for splash pads and their associated equipment must comply with the latest standards provided by the County of Los Angeles Department of Public Health (DPH), current plumbing and electric codes, and all local jurisdictional requirements.

Design reviews for Splash Pads should include the Field Agency’s Aquatics Division in addition to the typical design review process.

SPATIAL CONSIDERATIONS

- Shade sails shall be provided over the splash pad to ensure that the surface water temperature does not get too hot. Verify heights of all water feature equipment to provide adequate clearance from shade sails.

- Shaded benches should be provided outside the splash pad for parental observation.

- A decorative fence with appropriate corrosive-resistant finish should be used around parts of the splash pad as a measure of safety.

- No sand or wood fiber play area surfacing shall be allowed within a one hundred feet (100’) for sand.

- Fifty feet (50’) for wood fiber

- Care should be taken to determine wind directions and assess the possible impacts of over spray onto vegetation within the vicinity of the splash pad.

- No deciduous or pine trees shall be planted near or around the splash pad.

- The accumulation of leaf debris or grass clippings should be minimized around the splash pad, to reduce water filtration issues.

- Provide seat walls at the perimeter of the splash pad to prevent debris from reaching the pad.

- Provide design features to discourage skateboarding on the seat walls.

- Provide graffiti coating to all seat walls.

- Provide an ADA path of travel to the splash pad area.

- Provide ADA restrooms with warm water service in the proximity of the splash pad.

- The Splash pad surface area should be a minimum of 2,500 square feet.

DESIGN REQUIREMENTS

- Provide a combination of in-ground spray orifices and stainless steel upright equipment as sources of the spray features.

- Splash pad moving and overhead features shall be constructed of lightweight fiberglass material.

- The spray from all splash pad elements shall be restricted to the limits of the splash pad finished surface. For example: the reach of cannon arcs sprays shall be restricted to the outer edge of the splash pad.

- A minimum area of 20’ x 10’ is required for the 4,000 gallon underground water storage tank.

- A minimum area of 30’ x 30’ is re-
• Provide a 2' wide walking clearance around entire mechanical skid.

• Provide a lockable welder's box with dimensions of 15"H x 31"W x 18"D minimum. Locate the box in the mechanical enclosure off the finish floor. If the enclosure is Contractor provided, paint the enclosure to match the mechanical enclosure.

• Pool type signage as well as emergency shut off signage are required per DPH codes.

• Provide a hedge around the Water Quality Management System (WQMS) shelter to discourage graffiti, provide sound reduction, and improve park aesthetics.

SURFACING
• Splash pad surface should be durable and non-slip with a colored pattern design.

• Where colored concrete is being used as the surface of the splash pad, the finish should be a medium broom finish.

• Provide slip-resistant surfaces on the tops of all seat walls.

EQUIPMENT
All the splash pad mechanical equipment shall be located within an enclosed shade structure and comply with the following criteria:

• One wall shall have double doors wide enough to accommodate the replacement of any mechanical equipment within the enclosure.

• All walls should provide 15% to 20% passive ventilation in the form of perforated screening.

• Allow sufficient spacing between chemical containers, and for electrical equipment per local codes and jurisdictional regulations.

• Provide lighting and adequate space for daily testing and monitoring of the system.

• Provide a concrete surface within the shelter, sloped to provide positive drainage to a sanitary sewer.

• Provide sanitary sewer/leach field a minimum of 32" below grade immediately adjacent to the Water Quality Management System (WQMS).

• Provide accessibility to all equipment and proper OSHA clearances for serviceability.

• Provide an eyewash and shower station per safety regulations.

• Provide factory maintenance and operation training, including maintenance and equipment manuals at the project turn-over to the Department.

• Operate the Water Quality Management System (WQMS) at least one week before project turn over.

• Provide 2 (two) extra filter pump screens, feature pump screens, and wye strainer screens at project turn over.

• Avoid installing the floor drain box underneath the equipment skid.

PLUMBING
• Per Public Health Department requirements, provide tempered warm water to sinks in the nearest restroom or Comfort Station.

• Provide a 1-½" domestic water source.

• Provide perimeter protection to the underground water storage tank and its associated plumbing with, but not limited to bollards.

• Provide Eye Wash / Drench Combination Safety Shower piping to the domestic side of the backflow device.

• Provide backflow protection from splash pad holding tank.

• Provide a pressure regulator when inlet pressure exceeds manufacturer's tank fill valve recommendations.

• Domestic water supply line to be 1-½” iron pipe size brass or type “K” copper.

• Provide a quick coupler within 100’ of the furthest edge of splash pad. Insure the quick coupler is backflow protected.

• All PVC pipe joints shall be solvent weld cement. No mechanical joints will be allowed under concrete or turf.

• Locate Chemical Vats next to the Water Quality Management System (skid) at 2-comers on the same side. If the design requires vats to be located next to the enclosure wall, provide a 1” PVC conduit with sweeps for routing of the chemical supply tubing under the concrete slab.

• Provide inlet & outlet isolation ball valves on the chemical controller water sample well. Provide UV...
• Provide support brackets where needed to eliminate pipe movement on all hard piping located on the skid. No piping shall move on start up or shut down.
• Provide a skid tool repair kit and chemical Photometer for water quality testing.
• Post a Material Safety Data Sheet (MSDS) inside the equipment enclosure.
• Provide 300 pound rated ladders in each water holding tank.
• Clean all tanks and boxes of construction debris, dirt, etc. before start up.
• WQMS feature valves shall have chloramines resistant diaphragms. Valves and solenoids shall have a 225 pound rating.

2.5.8 Passive Recreation Areas

A passive recreation area may be defined as an open, unobstructed area used for non-programmed recreation activities.

OPEN PLAY AREAS
• Where possible, passive open play areas shall remain unobstructed by trees, to support activities such as throwing a ball, a frisbee, and/or flying kites.
• Locate passive open play areas adjacent to picnic and children’s play areas.
• Provide shade trees at the perimeter of open play areas.
• Provide regulatory signs that describe the permitted uses within open play areas.
• Passive open play areas shall not slope greater than 5%.

GROUP PICNIC AREAS
• Small group picnic areas shall accommodate twenty-five to fifty (25-50) people.
• Large group picnic areas shall accommodate fifty to one hundred (50-100) people.
• Provide a shade shelter for all group picnic areas.
• Provide lighting within shade shelters where indicated by the facility program.
• Provide one (1) barbecue grill for every two (2) picnic tables, or one (1) double barbecue grill for every four (4) picnic tables.
• All barbecue grills shall be ADA accessible and have a clearance of two-feet six-inches (2’-6”) at each side of grill.
• Provide a counter top equipped with a sink and keyed faucet where indicated by the facility program.
• Provide a keyed quick coupler adjacent to the group picnic area to facilitate wash-down by park maintenance staff.
• Provide security fencing around group picnic areas for rental purposes, where indicated by the facility program.
• Provide signs with picnic area name or number for identification and rental purposes.
• Provide restrooms within one-hundred fifty feet (150’) of group picnic areas.
• All group picnic areas shall be ADA accessible. Any exception shall have prior approval of the Department.

INDIVIDUAL PICNIC AREAS
• Provide a minimum of two picnic tables per acre for each of the first three (3) acres, then one (1) picnic table per acre thereafter.
• All individual picnic areas shall be ADA accessible. Any exception shall have prior approval of the Department.

2.5.9 Park Furnishings

On January 16, 2007, the County Board of Supervisors adopted a Countywide Policy instructing all County Departments to implement the County’s Energy and Environmental Programs.

County Departments have been directed to:
• Ensure that all park furnishings are products of “Green” purchasing or Environmentally Preferable Purchasing (EPP), which effectively minimize negative environmental impacts over their life cycle.
• Purchase products that include recycled and natural materials content, are durable and long lasting, conserve energy and water, reduce greenhouse gas emissions, use unbleached or chlorine free manufacturing processes, and use wood from sustainable harvested forests.
• Reference the Green Seal® website for product and service information regarding examples of EPP products.
• Ensure that Contractors and vendors are familiar with the County’s initiative to purchase environmentally preferred goods, products, and services.

In addition to complying with the County’s Energy and Environmental Programs:
• Provide consistency in the design character of park furnishings including park signs, light fixtures, drinking fountains, trash receptacles, benches, etc.
• All park furnishings must be securely anchored to paving or installed in footings.
• Provide skateboarding stops on edges of concrete benches and low seat walls.

PICNIC TABLES
• Picnic tables shall be a minimum of six-feet (6’) long.

2 Green Seal Corporate Office 1001 Connecticut Avenue, NW Suite 827 Washington, DC 20036-5525 USA Phone: 202-872-6400 Fax: 202-872-4324 Email: greenseal@greenseal.org
- Each picnic table shall be located and anchored in the center of a four-inch (4") thick reinforced concrete pad, minimum size of ten-feet by nine-feet (10' x 9').
- Provide a four-foot (4') clearance between each picnic table or other obstructions.
- All picnic tables shall be ADA compliant, and accessible from ADA path of travel. Any exception shall have prior approval of the Department.
- Picnic tables at ADA accessible locations shall have one-wheelchair accessible end.

**BENCHES**

- Provide benches at key locations throughout the park including at the park entry, at regular intervals along the main circulation path, singular and grouped to support gathering, for viewing activities or vistas, and at recreational facilities such as organized play areas, tennis courts, etc., for supporting the visual supervision of children.
- The minimum length of a seating section shall be six-feet (6').
- Whenever possible, situate benches with back toward a wall, landscape planting, or trees to increase a sense of user security.
- Set benches back from circulation paths of travel to reduce pedestrian obstructions.
- Benches shall be located to maximize shade opportunities in the summer and sun exposure in the winter.
- Benches are required at all playgrounds and athletic courts.
- Benches shall be evenly distributed throughout the park.
- Benches shall be located adjacent to a path of travel and shall be ADA accessible with adjacent ADA companion seating as illustrated in Exhibit 31.
- Provide benches designed with a center armrest or center break to discourage patron sleeping.
- Benches can be free standing or integrated into walls or other design features.
- Benches shall be permanently installed unless otherwise instructed by the facility program.

**DRINKING FOUNTAINS**

- One (1) standard and one (1) ADA compliant drinking fountain shall be located outside of each restroom building.
- Drinking fountains are required near (with a clear line of sight from) athletic courts, group picnic areas, restrooms, sports facilities, and children's play areas.
- All drinking fountains located within close proximity to children’s play areas shall be visible from parent seating areas.
- All drinking fountains shall be vandal resistant.
- All drinking fountains shall be ADA compliant and positioned so that pathways are not obstructed by the drinking fountain user.

**BICYCLE RACKS**

- Bicycle racks shall be located near park amenities accessible by vehicular roadways.

**TRASH RECEPTACLES AND HOT COAL RECEPTACLES**

- Provide an adequate number of trash receptacles throughout the park. At a minimum, the trash receptacles shall be located near all parking areas, at the entrances to major buildings and restrooms, playgrounds, picnic areas, spectator areas, and at active recreation areas.
- Hot coal receptacles shall be placed near all picnic areas having barbecue grills.
- Trash receptacle design shall match park furnishings, wherever feasible.
- Place all trash and hot coal receptacles on concrete pads. Concrete pads must have a twelve inch (12") unobstructed perimeter on all sides for ease of mowing.
- Provide trash and recycle bins as indicated by the facility program.

**BARBECUE GRILLS**

- Provide one (1) barbecue grill for every two (2) picnic tables.
- All barbecue grills at ADA accessible locations shall have one wheelchair accessible end.
- Benches shall be evenly distributed throughout the park.
- Benches shall be located adjacent to a path of travel and shall be ADA accessible with adjacent ADA companion seating as illustrated in Exhibit 31.
- Benches are required at all playgrounds and athletic courts.
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- All drinking fountains located within close proximity to children’s play areas shall be visible from parent seating areas.
- All drinking fountains shall be vandal resistant.
- All drinking fountains shall be ADA compliant and positioned so that pathways are not obstructed by the drinking fountain user.

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- Trash receptacle design shall match park furnishings, wherever feasible.
- Place all trash and hot coal receptacles on concrete pads. Concrete pads must have a twelve inch (12") unobstructed perimeter on all sides for ease of mowing.
- Provide trash and recycle bins as indicated by the facility program.

**BARBECUE GRILLS**

- Provide one (1) barbecue grill for every two (2) picnic tables.
- All barbecue grills at ADA accessible locations shall have one wheelchair accessible end.
• Signage shall be kept to the minimum sizes necessary to clearly direct and inform the park users.
• Group and individual barbecue grills shall be in-ground mounted pedestal type with a side utility shelf. Firebox size shall be approximately 20" wide x 15" deep x 10" high, and is constructed with a minimum 3/16" thick steel.
• Provide built-in barbecues per the facility program.

ADDITIONAL SITE FEATURES
• Boulders may also be used for casual seating, decorative effects, etc.
• Boulders shall not be placed in active recreational or open play areas, play area fall zones, and/or in any area where they would conflict with recreation activities or create a physical hazard.

PARK SIGNAGE
• Each park shall have a park identification sign at its main entry with the park facility name and appropriate County seals.
• Park identification, information, and regulatory signage shall be uniform in design and compliment the overall park design.
• Provide a park information board and/or kiosk to promote park events and activities, as indicated by the facility program.
• Provide an educational kiosk as indicated by the facility program.
• Signage shall be kept to the minimum sizes necessary to clearly direct and inform the park users.
• Any graphic/interpretive element displays with narrative information shall be located where best viewed by a seated individual, and the written information shall also be provided in brail.

2.6 Landscaping
Water conservation is an important focus in the development of park landscapes. These guidelines address water conservation through the use of drought tolerant plant materials and the design of efficient irrigation systems.

The Appendix of this document includes three plant lists:

PARK DUMPSTERS
• Locate dumpsters away from park users, to minimize offensive odors.
• Provide a level approach, and a minimum ten-feet by twelve feet (10' x 12') concrete pad for each dumpster.
• All dumpster pads must be positioned to allow the trash truck to approach the containers head on. Ensure that the turning radius, truck length, and angle of approach are adequate.
• Maintain a twelve foot (12') wide opening to the enclosure, and provide gate stops to secure the gates in an open position.
• Provide a secure and gated enclosure around the dumpster pad. Maintain a ten foot by 12 foot (10' x 12') clearance within the enclosure.
• Dumpster pads shall be positioned with their long axis perpendicular to the vehicular truck access.

FENCING
• For new park projects, refer to the project facility program for fencing types and their proposed locations.
• For park refurbishment projects, new fencing shall match existing park fencing unless otherwise specified in the facility program.
• Provide a one foot (1') wide concrete mow strip under all tubular steel and chain link fencing placed in landscaped areas.

• Landscape designs must be sensitive and appropriate for the project site to minimize disruption to existing plant habitats. Use climate appropriate drought tolerant plants to support the design intent. Planting designs should incorporate biodiversity, and water conservation.
• Use only non-invasive plants that are nursery grown or legally harvested.
• Select plant materials that promote and support the regional identity to the park location.
• Park designs may include low maintenance naturalized areas with either a four inch (4") layer of mulch, decomposed granite paved areas planted with native trees, or a combination thereof.
• Natural and naturalized areas may accommodate passive recreation activities such as picnicking, biking, nature trails with interpretive signage and rest areas, or similar activities.
• Naturally occurring landscape features including tree groves, dry streambeds, rock features, and earth forms are desirable design elements in new park designs, and enhance the natural character of the site. These features shall be protected if they are existing.

• California Native species should be used in parks having the following natural settings: special use sites and corridors, graded slopes in environmentally sensitive areas, riparian areas, wetland and watershed rehabilitation areas, wildlife habitat restoration areas, post-fire rehabilitation areas, and demonstration gardens.

• Preserve all oak trees, native sycamores and other trees designated as natural resources by local, County, State or Federal entities.

• Use plant materials and trees around buildings to create microclimates, lower energy consumption, and reduce costs associated with indoor energy needs.

• To reduce the amount of radiant heat generated from the reflection of hardscape surfaces (urban heat island effect), provide trees or vegetated structures to shade walkways, roofs, or parking lots.

• Medium canopy trees with non-invasive roots shall be specified for areas adjacent to paved circulation paths and parking, to provide shade, reduce heat build-up, and minimize glare.

• Locate vegetated bio-swales outside of active recreation areas to achieve stormwater management goals for the park site.

• Foundation planting may be incorporated where planted areas occur adjacent to buildings. These areas may include raised or in-ground planters.

• Control and remove invasive plant species to minimize damage to local plant ecosystems.

• Mitigate potential fire hazards in designated fire threatened areas per County Standards.

• When designing planting areas adjacent to public streets, design consideration should be given to compliment the existing planting design within the right-of-way, to maintain design continuity.

• Shrubs should be selected and located with consideration for their function and size at full maturity to minimize pruning, and maintain the natural characteristics of the selected shrubs.

• Provide a two inch (2") layer of organic mulch (free of weed seed) to all planted areas.

• In areas where security is an issue, visibility into and out from the park should remain unobstructed by landscape plant materials.

• Planter areas shall be planted with low maintenance, drought tolerant, hardy plants.

• Turf types that require less mowing and water shall be selected. Plant all sunny open turf areas and recreation fields with warm season hybrid bermuda grasses.

• Turf areas shall be graded no steeper than a 5:1 slope for easy mowing.

• Separate planted areas from turf areas with a six inch (6") wide poured-in-place concrete mow strip, unless otherwise directed by the facility program.

• Trees planted in turf areas adjacent to the street shall be set back a minimum of six feet (6’) from the curb face.

• Trees planted five feet (5’) or less from hardscape surfaces require root barrier protection. The root barrier shall be placed adjacent and parallel to the hardscape, and span a minimum of five feet (5’) in both directions along the pathway from the center of the tree.

• A combination of dense landscaping, screen walls, berming and/or mounding may be used to screen service, loading, maintenance and storage areas, trash enclosures, utility cabinets, and

Exhibit 32: Building Foundation Planting Example
other similar elements.

- All designs shall identify the most appropriate areas to include shrubs and ground cover plantings, to maximize water conservation. To accomplish this, a Parkland Activity Use Analysis is a useful tool for determining which areas are the most suitable for shrubs and ground covers. Exhibit 33 illustrates an example of a Parkland Activity Use Analysis. This analysis identifies:
  1. Active Sports Areas (turf required)
  2. Passive Recreation Areas (turf typically required)
  3. Potential Planted Areas (remaining non-pedestrian areas suitable for planted areas)

**PLANT MATERIAL**

Lists of preferred plant materials for use in County Parks have been provided in the Appendix of this document. These lists have been developed as a design aid and may be augmented by the designer to achieve the water conservation and design objectives for the park.

- Prior to developing a Planting Plan verify the approximate date that the existing or new park is expected to be connected to a recycled water mainline. This information can be obtained from the Department’s Planning and Development Agency.3

- If the park is more than two (2) years away from connection to recycled water, the Potable Water Plant List will assist the designer in preparing an appropriate plant palette.

- If the park is within two (2) years of connection to recycled water, the Recycled Water Plant List will assist the designer in preparing a successful plant palette.

- Group plant materials with similar water requirements into common hydrozones.

- Do not use invasive plant materials. Reference the “Do Not Use Plant List” located in the appendices for invasive plant species listed for your park site location. For further information reference the “California Invasive Plant Council Invasive Plant Inventory” at Cal-IPC.org4

- Do not use plants that require greater than moderate water usage as defined in Water Use Classification of Landscape Species list (WUCOLS III) as referenced in “A Guide to Estimating Irrigation Water Needs of Landscape Plantings in California” (WUCOLS III) 5.

- All planting designs shall achieve the water conservation requirements of the “Water-Efficient Landscape Ordinance” for a copy of the County’s Ordinance contact Land Development Division Los Angeles County Department of Public Works Phone: (626) 458-4921 Fax: (626) 458-4949

**POTABLE WATER PLANT MATERIALS**

4 http://www.cal-ipc.org
5 http://www.owue.water.ca.gov/docs/wucols00.pdf

The plant materials list included in the appendix consists of drought tolerant and low to moderate water-use plants that are appropriate to use in County facilities. The preferred plant materials (indicated with an X) are hardy. If the park is irrigated with recycled water, cross reference the plant palette with the Recycled Water Plant Materials List.

**PLANT MATERIALS TOLERANT OF RECYCLED WATER**

For landscapes irrigated with water having high levels of salinity, an integral element for evaluating biological criteria will include assessing the plant material species for their tolerances to salinity. Investigate the salinity-related parameters of your landscape’s irrigation water and soil. Reference the “Salinity Management Guide,”6 and “Salt Management Guide for Landscape Irrigation with Recycled Water in Coastal Southern California a Comprehensive Literature Review”

6 The “Salinity Management Guide” is available on an interactive, user friendly CD-ROM. For a complimentary copy of the CD please contact Tammy Russo at trusso@nwri-usa.org

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3 Department of Parks and Recreation Planning and Development Agency: (213) 639-6706
4 http://www.cal-ipc.org
5 http://www.owue.water.ca.gov/docs/wucols00.pdf

Exhibit 33: Parkland Activity Use Analysis Example

1. Active Sports Areas (turf required)
2. Passive Recreation Areas (turf typically required)
3. Potential Planted Areas (remaining non-pedestrian areas suitable for planted areas)
1. Evaluate the soil salinity parameters by:
   - Obtaining salinity-related parameters for irrigation water, by either requesting a report from the water jurisdictional agency serving the park, or submitting water samples to a commercial analytical laboratory, and by;
   - Collecting soil samples from the subject landscape and submitting them to a commercial soil analysis laboratory, along with analytical information received from the water provider.

Submit all laboratory recommendations with the construction documentation package.

PLANT REQUIREMENTS
- Provide a list of plant materials proposed for the project. The plant legend must include the following information:
  1. Plant symbol for trees, shrubs, groundcovers and vines
  2. Genus and common name
  3. Container size
  4. Quantity
  5. WUCOLS III regional plant water needs

The planting plan shall also include a Hydrozone Table (see Table 10). This table must include the following information:

<table>
<thead>
<tr>
<th>Hydrozone Number (in relationship to the hydrozones in the Planting Plan)</th>
<th>Hydrozone</th>
<th>Water Needs</th>
<th>WUCOLS III Plant Factor</th>
<th>Square footage</th>
<th>Irrigation Valve Number</th>
<th>GPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>VL (Very Low)</td>
<td>.2</td>
<td>1200</td>
<td>1</td>
<td>40</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>L (Low)</td>
<td>.3</td>
<td>1565</td>
<td>3</td>
<td>36</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>M (Medium)</td>
<td>.5</td>
<td>2570</td>
<td>4</td>
<td>22</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>M (Medium)</td>
<td>.6</td>
<td>1225</td>
<td>2</td>
<td>25</td>
<td></td>
</tr>
</tbody>
</table>

2. Water Needs and Plant Factor (as defined by WUCOLS III)

3. Square footage of each hydrozone area
4. Irrigation valve numbers
5. Gallons per minute for each hydrozone

Mature existing trees are significant community resources due to their cultural, aesthetic, or historic relevance. To preserve these resources, a tree protection zone must be included on all demolition, construction or grading plans and implemented during construction.

2.6.2 Irrigation

The Department of Parks and Recreation must comply with California Code of Regulations Title 23, Waters Division 2, Department of Water Resources Chapter 2.7, Model Water Efficient Landscape Ordinance. This ordinance shall apply to the following projects:

- New construction and rehabilitated landscapes for public agency projects with a landscape area equal to or greater than 2,500 square feet requiring a building or landscape permit, plan check, and/or design review;
- All existing landscapes installed before January 1, 2010, with a dedicated or mixed-use water meter, and having an area of one (1) acre or more, including golf courses, green belts, common areas, parks, and publicly owned landscapes and
- All existing landscapes installed before January 1, 2010, without a water meter, and one (1) acre or greater in area.

NEW IRRIGATION SYSTEMS

Design Considerations

- The irrigation system shall be designed to prevent runoff, drainage from low head, over spray, and other similar inefficient conditions where irrigation water flows onto non-targeted areas, such as adjacent properties, non-irrigated areas, paved areas, roadways or structures.
- Irrigation head spacing shall be designed to provide 120% coverage and shall not be farther than the maximum design radius for the specified nozzle.
- All irrigation systems shall be designed to allow for summer-peak water amounts to be applied between the hours of 10 p.m. and 6 a.m. Daytime watering shall be limited to seed germination, plant establishment, and turf renovation.
- The irrigation system shall be designed to ensure the dynamic pressure at each irrigation head is within the manufacturer’s recommended pressure range for optimal performance.
- When designing a new irrigation system for an existing park the static water pressure, dynamic or operating pressure, and the water supply flow rate shall be measured at the point of connection by the water purveyor. This information shall be obtained during the design phase and shall also be field verified by the Contractor prior to installation.
- Relevant information such as soil type and infiltration rate shall be determined and referenced when designing irrigation systems.

- The design of the irrigation system shall conform to the hydrozones delineated on the landscape planting plan.

- The irrigation system must be designed and installed to meet the irrigation efficiency criteria as described in the Model Water Efficient Landscape Ordinance regarding the Maximum Applied Water Allowance Section 492.4.9

- Contact the local water purveyor or peak water operating demands on the water supply system, or water restrictions that may impact the efficiency of the irrigation system.

- In mulched planting areas, the use of low volume irrigation shall be required to maximize water infiltration into the root zone.

- Narrow or irregularly shaped areas including turf areas less than eight feet (8') in width, shall be irrigated with a low volume irrigation system.

- Overhead irrigation shall not be permitted within 24 inches of any non-permeable surface.

- Where there is turf allowable irrigation within the setback from non-permeable surfaces is subsurface drip line.

- In planting areas allowable irrigation within the setback from non-permeable is low volume bubblers.

- The surfacing of the setback may be mulch, gravel, or other porous material with no irrigation. These restrictions may be modified if:
  - The landscape area is adjacent to permeable surfacing and no runoff occurs or
  - The adjacent non-permeable surfaces are designed and constructed to drain entirely to landscaping.

- Slopes greater than twenty-five percent (25%) shall not be irrigated with an irrigation system having a precipitation rate exceeding 0.75 inches per hour. This restriction may be modified if the landscape designer specifies an alternative design or technology, and clearly demonstrates that no runoff or erosion will occur.

- Trees shall be placed on irrigation control valves separate from shrubs and groundcovers and be irrigated by a “Root Watering System”.

- No additional irrigation is required for trees planted in turf areas.

- Individual hydrozones that mix high, moderate or low water-use plants shall not be permitted.

- No drip irrigation shall be permitted except as noted.

### Equipment

- All new irrigation systems shall include the following components:
  - Dedicated Irrigation Water Meter
  - Reduced Pressure Backflow Prevention device

- Flow Sensor
- Master Valve
- Booster Pump (where necessary)
- Pressure Regulator (where necessary)
- Manual Control Valves (shut-off valves)
- Weather Based Irrigation Controller
- Sensors (rain, freeze, wind, etc)
- Remote Control Valves
- Spray Heads and Bubblers for Shrub Areas
- Triple Swing Joints in Turf Areas
- Double Swing Joints in Planting Areas
- Check Valves
- Quick Couplers
- Pipes and Fittings

The design criteria for the aforementioned equipment is described as follows:

- Water Meter - If a park has a water meter specifically dedicated to the landscape irrigation system, water bills can be examined to evaluate if water use is less than 9 http://www.water.ca.gov/wateruseefficiency/docs/MWELO09-10-09.pdf

### Table 11: Conforming Irrigation Watering Schedule

<table>
<thead>
<tr>
<th>Month</th>
<th>Weekly ETo</th>
<th>Valve #1 (Plant Factor - 0.2)</th>
<th>Valve #2 (Plant Factor - 0.5)</th>
<th>Valve #3 (Plant Factor - 0.3)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Cycles per week</td>
<td>Min. per cycle below</td>
<td>Cycles per week</td>
<td>Min. per cycle below</td>
</tr>
<tr>
<td>Jan</td>
<td>.51</td>
<td>4</td>
<td>8</td>
<td>5</td>
</tr>
<tr>
<td>Feb</td>
<td>.63</td>
<td>4</td>
<td>10</td>
<td>6</td>
</tr>
<tr>
<td>Mar</td>
<td>.86</td>
<td>5</td>
<td>13</td>
<td>8</td>
</tr>
<tr>
<td>Apr</td>
<td>1.09</td>
<td>7</td>
<td>17</td>
<td>10</td>
</tr>
<tr>
<td>May</td>
<td>1.28</td>
<td>8</td>
<td>20</td>
<td>12</td>
</tr>
<tr>
<td>Jun</td>
<td>1.35</td>
<td>8</td>
<td>21</td>
<td>13</td>
</tr>
<tr>
<td>Jul</td>
<td>1.44</td>
<td>9</td>
<td>22</td>
<td>14</td>
</tr>
<tr>
<td>Aug</td>
<td>1.37</td>
<td>9</td>
<td>21</td>
<td>13</td>
</tr>
<tr>
<td>Sep</td>
<td>1.16</td>
<td>7</td>
<td>18</td>
<td>11</td>
</tr>
<tr>
<td>Oct</td>
<td>.9</td>
<td>6</td>
<td>14</td>
<td>9</td>
</tr>
<tr>
<td>Nov</td>
<td>.6</td>
<td>4</td>
<td>9</td>
<td>6</td>
</tr>
<tr>
<td>Dec</td>
<td>.44</td>
<td>3</td>
<td>7</td>
<td>4</td>
</tr>
</tbody>
</table>
• Sensors - rain, freeze, wind, etc.
• Smart Controllers - All County park
• Manual shut-off valves (such as a gate valve, ball valve, or butterfly valve) shall be required and located along the mainline, to create isolated repair zones and to minimize water loss in case of an emergency (such as a main line break) or routine repair.
• Smart Controllers - All County park irrigation systems shall be installed with weather based irrigation controllers. Controller installations shall be by a certified installer.
• Sensors (rain, freeze, wind, etc.)- Sensors, either integral or auxiliary, that suspend or alter irrigation operation during unfavorable weather conditions shall be required on all irrigation systems, as appropriate for local climatic conditions.
• Reduced Pressure Backflow Prevention Device - This device shall be included on all irrigation systems.
• Flow Sensors - The installation of flow sensors which detect and report high water flow conditions are recommended.
• Master Valve is installed at the point where the irrigation system connects to the water supply and is wired to a special “master valve circuit” on the irrigation controller. If a leak should occur or a valve does not close, the master valve will shut off the water to the system.
• Booster Pump / Pressure Regulator - If the static water pressure is above or below the required dynamic water pressure of the irrigation system, pressure-regulating devices such as in line pressure regulators, booster pumps or other devices shall be installed to meet the required dynamic pressure of the irrigation system.
• Pressure Regulator (where necessary) - An inline regulators is used to maintain the desired water pressure and is necessary when there is pressure fluctuation that will damage the system.
• Manual shut-off valves (such as a gate valve, ball valve, or butterfly valve) shall be required and located along the mainline, to create isolated repair zones and to minimize water loss in case of an emergency (such as a main line break) or routine repair.
• Remote Control Valves - Each remote control valve shall irrigate a hydrozone with similar site, slope, sun exposure and soil conditions, as well as plant materials with similar water requirements.
• Spray Heads - Spray heads and other emission devices shall have matched precipitation rates, unless otherwise directed by the manufacturer’s recommendations. These devices shall be selected based on what is appropriate for the plant type and their sizes at maturity within a specified hydrozone.
• Bubblers - The use of low volume bubbler irrigation systems is encouraged for shrub and groundcover plantings. All low volume irrigation shall be installed with double swing joints on risers.
• Double Swing Joints - All spray heads adjacent to high pedestrian traffic areas shall be equipped with double swing joints or other riser and pop-up head protection components.
• Check Valves- Check valves or anti-drain valves shall be required at all low points in the irrigation system. Check valves shall also be used for all slope irrigation systems.
• Quick Couplers - Provide irrigation quick-couplers outside the perimeter of play areas. The distance between quick couplers shall be a maximum of fifty feet (50'). Provide quick couplers as directed by the facility program.
• Pipes and Fittings - Upstream of remote control valves (main lines): For pipe sizes up to and including 1-1/2" pipe use Schedule 40 PVC pipe. For 2" size and larger use Class 315 PVC pipe. Use Schedule 80 PVC pipe for sleeves.

**PLAN REQUIREMENTS**

- The Irrigation Plan shall include a complete twelve (12) month “Conforming Irrigation Watering Schedule”. This schedule must include the following information:
  1. Number of watering days per week (# of Cycles)
  2. Minutes per cycle per valve, the amount of minutes shall be based on the following three (3) items:
     - The entire precipitation rate of each valve
     - The evapotranspiration (ETo) of the project’s location - this information is found in the Model Water Efficient Landscape Ordinance
     - The Plant factor found in WUCOLS

(see Conforming Irrigation Watering Schedule example on Table 11)

**2.7 Stormwater Management**

**2.7.1 Grading and Drainage**

- New and existing park projects must comply with state, county and local (if applicable) regulations, codes, and ordinances pertaining to Stormwater Management.
- Avoid water sheet flow over sidewalks or walking paths.
- Minimize impervious surfaces where possible.
- Design the topography of park sites to minimize grading and reduce soil disturbance.
- Park site shall be designed to balance soil cut and fill where fea-
- Manufactured sediment traps (e.g. gabion cages, grass barriers, ornamental rock check dams, and raised curbs) shall be used to intercept stormwater runoff carrying silt and other debris from landscape areas to drainage devices.
- Grade all planted or turf areas at a minimum slope of two percent (2%).
- Avoid grading turfed slopes steeper than the maximum mowing slope of 5:1.
- Crown playing fields including baseball, softball, and soccer fields a minimum of two percent (2%).
- Hard court surfaces shall be graded at one percent (1%).
- Include level areas for formal or informal spectator seating adjacent to the athletic field sidelines.
- Gradients shall not exceed a two percent (2%) cross slope on walkways.
- Do not exceed 20:1 or five percent (5%) longitudinal slope gradient on walks.
- All walkways exceeding a slope gradient of 20:1 or five percent (5%) slope shall be provided with handrails per ADA regulations and the California Title 24 Building Code.
- Ensure compliance with ADA and California Title 24 Building Code (Title 24).
- Place on-site stormwater devices in areas outside of active recreation use areas.
- As a general rule, provide a 150 cubic foot drain sump per 1,500 square feet of play area surface.
- All play area sumps shall follow the County Standard Details, with a drain pipe connecting all sumps within the play area to a sump outside the play area.
- Where feasible, an overflow drain pipe shall be used to connect the play area drain sump outside the play area to the nearest storm drain. An alternate drainage outlet may be routed through the play area curb, to the storm drain or to a rip-rap outfall.
- All drainage drop inlets shall be concrete boxes furnished with metal grate covers.
- Do not locate drain inlets or clean outs within or immediately adjacent to playing fields.
- Do not use drop inlets smaller than sixteen inches (16") square or diameter for landscape areas, and twenty-four inches (24") minimum for all other areas.
- Incorporate the following decorative LID BMPs, where feasible:
  - Bioretention Area
  - Dry Stream Beds
  - Vegetated Buffers
  - Vegetated Swales
  - Porous Pavers
  - Planter Boxes

2.7.2 LID Site Design Strategies

- Low impact development (LID)\textsuperscript{10} is an approach to stormwater management that emphasizes the use of small scale, natural drainage features integrated throughout the park site to slow, clean, infiltrate and capture urban runoff and precipitation, thus reducing water pollution, replenishing local aquifers and increasing water reuse.\textsuperscript{11}

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\textsuperscript{10} \url{http://www.huduser.org/Publications/PDF/practLowImpctDevel.pdf}

\textsuperscript{11} "Low Impact Development: Technical
2.8 Utilities

In an effort to reduce the use of non-renewable energy in our park sites the County of Los Angeles Department of Parks and Recreation is committed to using solar technology, LED or both in all new park buildings, parking lots, security lighting, and recreation facility lighting.

2.8.1 New Electrical and Lighting Utility Design

- Electrical design for park facilities shall comply with the current adopted edition of all applicable city, county, state, federal codes and standards.
- The design shall provide for the efficient use of energy through proper equipment selection and system controls.
- Oversize electrical panel by 30% for future expansion.
- Power, telephone and lighting panels shall not protrude into any aisles or corridors. No panels shall be installed in fire corridors unless panels are mounted in closets with fire rated doors.
- Lighting and appliance panel boards must have no fewer than one spare circuit breaker for every active circuits.
- All exterior receptacles must have rainproof enclosures with lockable cover.

2.8.2 Security Lighting

- Use solar lighting wherever possible.
- Exterior security lighting shall be provided for all new projects at the following County Park venues:
  - Parking Lots
  - Restroom Buildings
  - Primary circulation routes
- Use high efficiency lighting with low cut off angles and downlighting.
- Use reflective-type lighting fixtures to reduce or eliminate glare.
- Allow no direct-beam exterior lighting at the property line.

2.8.3 Recreational Field Lighting

- Ballfield lighting shall be provided as specified in the project facility program.
- Fixtures shall use reflector shield systems to reduce off-field light spill.
- All light pole standards within or near a playing area that are not protected by a fence shall have six foot (6') high pole pads.

LID strategies shall be implemented and incorporated at the earliest possible stage of a project. This approach is an integral part of the design and layout of the site. Good LID site design takes advantage of the services provided by the site's natural systems. The natural systems that LID seeks to preserve and even restore are an undeveloped site's hydrologic functions, vegetation, and soils. LID site planning and design practices approach stormwater as a resource that shall be conserved. In undisturbed landscapes, storm drainage is typically handled by vegetation canopy, ground cover plants, soil absorption, and streams and waterways. In a modified landscape, storm drainage must be added to mitigate result of adding non-permeable surfaces and structures.

- All projects must comply with the County of Los Angeles Green Building Ordinance - Low Impact Development Manual 12

PARKING LOT DRAINAGE

For new parking lot and road construction all run-off shall be directed toward a pretreatment and infiltration LID Best Management Practice (BMP). See exhibits 34, 35 and 36 for examples of Bioretention Areas.


Exhibit 36: Curbed Parking with Lot Bio-retention
2.8.4 HVAC

• HVAC sizing shall be based on facility requirements, as determined during the initial mechanical design phase.

2.8.5 Telecommunication Systems

• Telecommunication systems in park facility buildings shall include computer internet access and multiple telephone lines, based on Departmental requirements as described in the facility program.

2.8.6 Smoke/Fire Detection Systems

• Follow all governing agency codes and requirements for proper smoke and fire detection systems.

• Provide an fire alarm system with a central alarm panel near the lobby in all new buildings.

• Provide a smoke detection system, cross zoned and interlocked to shut down ventilation systems and dampers as required. Alarms shall transmit signal to the central alarm panel.

• Provide a heat sensor on the discharge side of air handlers. Two (2) smoke sensors are required in the supply duct, and two (2) smoke sensors are required in the return duct to shut down unit and transmit an alarm to the local Fire Department.

• Provide water flow alarms, one (1) for each sprinkler riser, installed and connected to the central alarm panel.

• For kitchens that serve the public refer to the County of Los Angeles Environmental Health “Retail Construction Guidelines” for all codes and design requirements.

13 http://publichealth.lacounty.gov/eh/docs/GUIDELINES%20RETAIL%20CONSTRUCTION%20REQUIREMENTS.pdf
3.0 Chapter

Introduction

The Park Design Standards have been developed with the goal of providing information on preferred construction material and equipment products used in the design of County of Los Angeles Park facilities.

The Design Standards will benefit the Department by providing Design Consultants and staff with a more effective method of identifying and specifying products in the design and development of parks in the County system; these standards are applicable to new park development, park renovation, facility repair and the replacement of existing amenities.

While all sites are different and each project may have a unique set of issues not covered in these standards, additions, deletions or deviations from the Standards may be acceptable, if approved by the Department’s Field Agencies and Development Division during the design review process.

On January 16, 2007, the County of Los Angeles Board of Supervisors adopted a Countywide Policy instructing all County Departments to implement the County’s Energy and Environmental Programs for energy conservation and environmental stewardship. To implement the policy’s “green” initiatives, County Departments will be tasked to purchase products that:

- use agricultural fibers and residues,
- reduce greenhouse gas emissions,
- use unbleached or chlorine free manufacturing processes,
- and use wood from sustainable harvested forests.

Included in this chapter is a list of manufactured products for which specific manufacturers are identified. A separate list has been developed for each of the four (4) Department Community Services Agencies based on their environmental and operational needs.

3.1 Design Standards

Products

The following pages include Park Design Standards Products for each of the Departments Community Services Agencies:

- East County Community Services Agency
- South County Community Services Agency
- North County Community Services Agency
- Regional Facilities Agency

1 Board of Supervisors Policy No. 3.045 Energy and Environmental Policy
3.1.1 East County Community Services Agency

3.1.1.1 SPATIAL ORGANIZATION

Security and Safety

Product: Security Cameras (monitoring system)

1. Mfg: Sileox Zoom Cameras
   Model: AC5318PGE0
   Color: White or Black
   Finish:

2. Mfg: Sielox – Fixed Cameras
   Model: AC-LT-C485-21
   Color: White or Black
   Finish:

3. Mfg: Bosch Networking/DVR
   Model: CM6800
   Color: Black
   Finish:

4. Mfg: Secure
   Model: DVR Lockbox w/Key Cylinder
   Color: Finish:

5. Mfg: Bosch – Alarm Panels
   Model: 9412
   Color: N/A (White Keypads) with armored cable (no plastic)
   Finish:

Product: Window Guards

1. Mfg: Custom Welded
   Model:
   Color:
   Finish:

Product: Knox Box

1. Mfg: No Preference

3.1.1.2 BUILDINGS

Restroom Buildings

Product: Exterior Lighting

1. Mfg: Trace Lite
   Model: TL116-IND-40M
   Color: Bronze
   Finish: 40W Induction Lamp

2. Mfg: Golden State Ltg. Sales
   Model: T260 – Size 20/86 Lumens (80W/7360), Pole
   Color: DB/Dark Bronze, Powder Coated
   Finish: Color Temperature 50-5000K

Product: Doors and Hardware

1. Mfg: No Preference

Product: Sinks

   Model: 19 51-1-9-GT-TT-TE-FG
   Color: Stainless Steel
   Finish: www.acorneng.com

   Model: 1953-ADA-1-9-GT-TT-TE-FG
   Color: Stainless Steel
   Finish: www.acorneng.com

3. Mfg: American Standard (Wall Hung)
   Model: 0355-012
   Color: White w/Plumbing Trap
   Finish: www.americanstandard-us.com

4. Mfg: Chicago Faucet (Use w/stainless steel sink)
   Model: 333-669 w/E12 VP Aerator
   Color: Locking Hole Plug & Stainless Steel Flexible Supply Lines Typical
   Finish: www.chicagofaucets.com

5. Mfg: Chicago Faucet (Use w/china sink)
   Model: 1802A w/E12 VP Aerator
   Color: Finish: www.chicagofaucets.com
<table>
<thead>
<tr>
<th>Product</th>
<th>Toilets</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model:</td>
<td>Dura-Ware 2105-T-1-CN-FG</td>
</tr>
<tr>
<td>Color:</td>
<td><a href="http://www.acorneng.com">www.acorneng.com</a></td>
</tr>
<tr>
<td>Finish:</td>
<td><a href="http://www.acorneng.com">www.acorneng.com</a></td>
</tr>
<tr>
<td>Model:</td>
<td>Dura-Ware 2105-ADA-T-1-CN-FG</td>
</tr>
<tr>
<td>Color:</td>
<td>Finish:</td>
</tr>
<tr>
<td>Model:</td>
<td>Afwall Elongated Flush Valve Toilet – 2257-103;</td>
</tr>
<tr>
<td>Color:</td>
<td>#95 Open Seatless Cover by Olsonite <a href="http://www.olsonite.com">www.olsonite.com</a></td>
</tr>
<tr>
<td>Finish:</td>
<td><a href="http://www.americanstandard-us.com">www.americanstandard-us.com</a></td>
</tr>
<tr>
<td>4. Mfg:</td>
<td>Sloan Valve Company</td>
</tr>
<tr>
<td>Model:</td>
<td>Flush Valve</td>
</tr>
<tr>
<td>Color:</td>
<td>Royal Flushometer #111</td>
</tr>
<tr>
<td>Finish:</td>
<td><a href="http://www.sloanvalve.com">www.sloanvalve.com</a></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product</th>
<th>Urinals (standard and waterless)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Mfg:</td>
<td>American Standard</td>
</tr>
<tr>
<td>Model:</td>
<td>6501-010 Washbrook</td>
</tr>
<tr>
<td>Color:</td>
<td>White</td>
</tr>
<tr>
<td>Finish:</td>
<td>Stainless Steel Strainer (047068-0070A) <a href="http://www.americanstandard-us.com">www.americanstandard-us.com</a></td>
</tr>
<tr>
<td>Model:</td>
<td>Dura-Ware 2167-T-1-CFR-FG</td>
</tr>
<tr>
<td>Color:</td>
<td>Finish:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product</th>
<th>Hand Dryers</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Mfg:</td>
<td>World Dryer</td>
</tr>
<tr>
<td>Model:</td>
<td>Model “A”</td>
</tr>
<tr>
<td>Color:</td>
<td>Finish:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product</th>
<th>Drinking Fountains (wall mounted)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Mfg:</td>
<td>No Preference</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product</th>
<th>Soap Dispenser</th>
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</thead>
<tbody>
<tr>
<td>1. Mfg:</td>
<td>No Preference</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product</th>
<th>Toilet Seat Cover Dispensers</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Mfg:</td>
<td>No Preference</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product</th>
<th>Toilet Paper Dispensers</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Mfg:</td>
<td>Ojserkis Janitor Supply</td>
</tr>
<tr>
<td>Model:</td>
<td>R2601/ 3-Roll</td>
</tr>
<tr>
<td>Color:</td>
<td>R2602/ Triple</td>
</tr>
<tr>
<td>Finish:</td>
<td><a href="http://www.ojserkisjanitorsupply.com">www.ojserkisjanitorsupply.com</a></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product</th>
<th>ADA Grab Bars</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Mfg:</td>
<td>No Preference</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product</th>
<th>Floor Drain</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Mfg:</td>
<td>No Preference</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Product</th>
<th>CMU Block – Colored Split Face</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Mfg:</td>
<td>No Preference</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Product</th>
<th>CMU Block – Burnished</th>
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</thead>
<tbody>
<tr>
<td>1. Mfg:</td>
<td>No Preference</td>
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</table>

<table>
<thead>
<tr>
<th>Gymnasium Buildings</th>
<th>Product</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gymnasium Buildings</td>
<td>Bleachers (Temporary Bleachers)</td>
</tr>
<tr>
<td>1. Mfg:</td>
<td>No Preference</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Gymnasium Buildings</th>
<th>Bleachers (Retractable Bleachers)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Mfg:</td>
<td>No Preference</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Gymnasium Buildings</th>
<th>Scoreboard</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Mfg:</td>
<td>All American</td>
</tr>
<tr>
<td>Model:</td>
<td>8212 EMC LED w/Electrical Message Center</td>
</tr>
<tr>
<td>Color:</td>
<td>Finish:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Gymnasium Buildings</th>
<th>Basketball Standards</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Mfg:</td>
<td>No Preference</td>
</tr>
</tbody>
</table>

| Park Design Guidelines and Standards | County of Los Angeles Department of Parks and Recreation |
Product: Wall Padding
1. Mfg: No Preference

Product: Wood Flooring
1. Mfg: No Preference

Product: Drinking Fountain (wall mounted)
1. Mfg: No Preference

Product: Doors & Hardware
1. Mfg: No Preference

Product: Interior Lights
1. Mfg: No Preference

Product: Windows
1. Mfg: No Preference

Product: Exercise Room Flooring
1. Mfg: No Preference

Product: Exercise Room Equipment
1. Mfg: No Preference

Product: HVAC System
1. Mfg: No Preference

Product: Fire Sprinklers
1. Mfg: No Preference

Product: Stage Lift
1. Mfg: No Preference

Product: Dressing Room Mirrors
1. Mfg: No Preference

Product: Dressing Room Lockers
1. Mfg: No Preference

Product: Dressing Room Bench/Seating
1. Mfg: No Preference

Product: Dressing Room Counter
1. Mfg: No Preference

Product: Stage Lighting
1. Mfg: No Preference

Product: Stage Curtain
1. Mfg: No Preference

Product: Storage Room Shelving
1. Mfg: No Preference

Product: Telephone System
1. Mfg: No Preference

Product: Public Address System - Speakers
1. Mfg: No Preference

Product: Office Furniture
1. Mfg: No Preference

Community Buildings

Product: Room Partitions
1. Mfg: No Preference

Product: Folding/Stacking Chairs
1. Mfg: Virco Manufacturing Corp.
   Model: N914 Metaphor
   Color: Blue Seat, Chrome Frame
   Finish: www.virco.com
   Model: N918 Metaphor
   Color: Graphite Seat
   Finish: www.virco.com
   Model: N918 Metaphor
   Color: Wine
   Finish: www.virco.com
### Product: Flooring

1. Mfg: Armstrong
   - Model: Safety Zone VCT Tile
   - Color: Finish: [www.armstrong.com](http://www.armstrong.com)

2. Mfg: Burke Flooring
   - Model: 4" Cove Base
   - Color: Black
   - Finish: [www.burkeflooring.com](http://www.burkeflooring.com)

### Product: Classroom Tables

   - Model: 87PF2460-GRY091 (Computer Table-Adjustable Height)
   - Color: Grey/Black
   - Finish: [www.virco.com](http://www.virco.com)

   - Model: 87PF2472 (Computer Table-Adjustable Height)
   - Color: Grey091/Black
   - Finish: [www.virco.com](http://www.virco.com)

   - Model: TT2472830 Text Series
   - Color: Grey, Tilt Top 24”x 72”
   - Finish: [www.virco.com](http://www.virco.com)

### Product: Blackboard/Whiteboard

1. Mfg: Frys (Vendor)
   - Model: 36”x48” Dry Erase/Magnetic
   - Color: Aluminum
   - Finish: [www.frys.com](http://www.frys.com)

### Product: Bulletin Boards/Pin Boards

1. Mfg: No Preference

### Product: Audio Visual Equipment - Screens

1. Mfg: Samsung
   - Model: LN55C630-55” LCD HDTV
   - Color: Finish:

2. Mfg: STC TV Wall Mount
   - Model: 30504, 32” to 55”, Mount 4-way
   - Color: Finish:

### Product: Audio Visual Equipment - Electronic Equipment

1. Mfg: Samsung
   - Model: V9800 DVD/VHS Combo Player
   - Color: Finish:

2. Mfg: Philips
   - Model: SDV2740/27 TV Antenna (Amplified Indoor)
   - Color: Black
   - Finish:

### Product: Staff Offices - Office Equipment

1. Mfg: Staples (Vendor)
   - Model: Chairmat, STP447139, 36”x40”
   - Color: Clear
   - Finish: [www.staples.com](http://www.staples.com)

2. Mfg: HON
   - Model: Keyboard, H840000, 21W x 10 Platform w/Mousepad
   - Color: Black
   - Finish: [www.honaccessories.com](http://www.honaccessories.com)

   - Model: Keyboard Tray, KTBT24
   - Color: Finish:
Product: Staff Offices - Desks

1. Mfg: Maverick
   Model: Double Ped 30”x60” Desk, MMD3060
   Color: Medium Oak or Seattle Cherry
   Finish:
2. Mfg: Maverick
   Model: Hutch 60”x36”, MMH60-WD
   Color: Medium Oak or Seattle Cherry
   Finish:
3. Mfg: Maverick
   Model: 4-Drawer Lateral File, MMLF204
   Color: Medium Oak or Seattle Cherry, Black Handles (H3B)
   Finish:
   Model: Desk, Pedestal Double Desk w/no Center Drawer, 533060
   Color:
   Finish: www.virco.com
5. Mfg: HON
   Model: Workstation
   Color: Tabletop-Bourbon Cherry
   Finish: Paint-Light Gray

Product: Staff Offices - Cabinets

1. Mfg: Virco Manufacturing Corp.
   Model: AV Cart, KPRE183642
   Color: Gray/Black
   Finish: www.virco.com
2. Mfg: Maverick
   Model: Wood Hutch w/Doors, MMH60
   Color: Medium Oak or Seattle Cherry
   Finish:
3. Mfg: Maverick
   Model: Bookcase, MMBC3665, 12” x 36”x 65”
   Color: Medium Oak or Seattle Cherry
   Finish:

Product: Staff Offices - Storage

1. Mfg: HON
   Model: 4-Drawer Lateral File
   Color: Light Gray
   Finish:
2. Mfg: Granger
   Model: Storage Cabinet, 36” x 24” x 72”, 4W537
   Color: Black
   Finish: www.granger.com
3. Mfg: Granger
   Model: 2-Shelf Steel Bookcase, 72”x 40”w,
   Color: Black
   Finish: www.granger.com
   Model: Steel Storage Cabinet, 9074 BLK-A
   Color: Black
   Finish: www.salsburyindustries.com

Product: Staff Offices - Flooring

1. Mfg: Mannington
   Model: Urban Design Carpet Tiles
   Color: Doorman
   Finish: www.mannington.com
2. Mfg: Burke
   Model: 4” Wall Base Cove Tile, Mercer/B-1
   Color: Slate 660
   Finish: www.burkeflooring.com
3. Mfg: Mannington
   Model: Resilient Flooring, SV-1/Assurance II
   Color:
   Finish: www.mannington.com
4. Mfg: Mohawk W&C
   Model: SEPAP248L-P-MOH-AP
   Color:
   Finish: www.mohawkflooring.com
Product: Staff Offices - IT Services
1. Mfg: Canon
   Model: Canon Powershot, SP630/S110 Camera
   Color: Black
   Finish: www.canon.com
2. Mfg: Dell
   Model: Printer, C3760DN
   Color: Black
   Finish: www.dell.com
3. Mfg: Dell
   Model: Optiplex 790 Mini Tower
   Color: Black
   Finish: www.dell.com
4. Mfg: CDW Government
   Model: Desktop Computer, WS-C2960-48TT-L, 48 port
   Color: Crisco Catalyst Switch
   Finish:

Product: Staff Offices - Telephone Conference

Equipment - Speakers
1. Mfg: No Preference

Product: Reception Chairs
1. Mfg: Virco Manufacturing Corp.
   Model: N9 Task Chair – Metaphor Task
   Color: Black
   Finish: www.virco.com
2. Mfg: HON Company
   Model: HIWM3 Mid-Back
   Color: Black
   Finish: Mesh Back/III Upholstery

Product: Janitor Room Shelving
1. Mfg: No Preference

Product: Janitor Mop Sink
1. Mfg: No Preference

Product: Kitchen Appliances
1. Mfg: No Preference

Product: Counters
1. Mfg: No Preference

Product: Cabinets/Hardware
1. Mfg: No Preference

Product: Fire Suppression
1. Mfg: No Preference

Product: Sinks
1. Mfg: No Preference

Product: HVAC System
1. Mfg: Comfort-Aire
   Model: REG-81H (Heat/Cool)
   Color: White
   Finish: www.comfortaire.com
   Model: 353511 A/T Multi-zone A/H with Service Disconnect & Duct Transition
   Color: 
   Finish:

Sports Field Concession Stand

Product: Kitchen Appliances
1. Mfg: No Preference

Product: Counters
1. Mfg: No Preference

Product: Cabinets/Hardware
1. Mfg: No Preference

Product: Fire Suppression System
1. Mfg: No Preference

Product: Floor Drain
1. Mfg: No Preference

Product: Sinks
1. Mfg: No Preference

Product: Service Windows
1. Mfg: No Preference
Maintenance Buildings/Yards

Product: Gates
1. Mfg: Landscape Structures
   Model: Custom 4'-8" Gate w/Hinges and Latch
   Color: Red, Powder Coated
   Finish:

Product: Cargo Containers
1. Mfg: No Preference

Product: Storage Containers
1. Mfg: No Preference

Product: Restroom Equipment and Fixtures
1. Mfg: No Preference

Product: Building Interior Equipment
1. Mfg: No Preference

Pool Buildings

Product: Exterior Lighting
1. Mfg: No Preference

Product: Interior Lighting
1. Mfg: No Preference

Product: Doors and Hardware
1. Mfg: No Preference

Product: Sinks
1. Mfg: No Preference

Product: Toilets
1. Mfg: No Preference

Product: Urinals (standard and waterless)
1. Mfg: No Preference

Product: Hand Dryers
1. Mfg: No Preference

Product: Drinking fountains (wall mounted)
1. Mfg: No Preference

Product: Soap Dispenser
1. Mfg: No Preference

Product: ADA Grab Bars
1. Mfg: No Preference

Product: Floor Drain
1. Mfg: No Preference

Product: CMU Block - Colored Split Face
1. Mfg: No Preference

Product: CMU Block - Burnished
1. Mfg: No Preference

Product: Mirrors
1. Mfg: No Preference

Product: Toilet Seat Cover Dispensers
1. Mfg: No Preference

Product: Toilet Paper Dispensers
1. Mfg: No Preference

Product: Dressing Room Benches
1. Mfg: No Preference

Product: Shower Fixtures
1. Mfg: No Preference

Product: Flooring
1. Mfg: No Preference

Product: Mechanical Equipment
1. Mfg: No Preference

Product: Signage
1. Mfg: No Preference
Product: HVAC System
1. Mfg: No Preference

Product: Water Heaters
1. Mfg: No Preference

3.1.1.3 PARKING LOTS

Product: Barrier Gates
1. Mfg: No Preference

Product: Paint Striping
1. Mfg: No Preference

Product: ADA Truncated Domes
1. Mfg: No Preference

Product: Bollards
1. Mfg: No Preference

Product: Wheel Stops
1. Mfg: No Preference

Product: Spike Strips
1. Mfg: No Preference

Product: Trash Enclosure (CMU/Split face block)
1. Mfg: No Preference

Product: Trash Enclosure Roof Material
1. Mfg: No Preference
3.1.1.4 CIRCULATION

Pedestrian

Product: Decomposed Granite
1. Mfg: Whittier Fertilizer
   Model: 24 Ton D.G.
   Color: Finish:

Product: Decomposed Granite Stabilized
1. Mfg: See Decomposed Granite
   Model: Color: Finish:

Product: Permeable Pavers
1. Mfg: No Preference

Product: ADA Truncated Domes
1. Mfg: No Preference
   Model: Non-Noted Perforated
   Color: Finish:

Vehicular

Product: Emergency Vehicle Lane Access Barrier
1. Mfg: No Preference

Product: Speed Humps
1. Mfg: Custom Installed
   Model: Asphalt per DPW specs
   Color: See “Green Book”
   Finish:

Bicycle

See 2.5.9 Park Furnishings

3.1.1.5 RECREATIONAL FACILITIES

Ball Fields

Product: Brick Dust
1. Mfg: No Preference

Product: Softball Backstop
1. Mfg: Custom/Wood
   Model: Color: Finish:

Product: Baseball Backstop
1. Mfg: Custom/Wood
   Model: Color: Finish:

Product: Chain Link Fence
1. Mfg: No Preference

Product: Bleachers (Metal and Wood)
1. Mfg: Kay Park
   Model: BLA10A21V4F4 (21’) & 62SG-VP(6’)
   Color: Finish:
2. Mfg: LA Steelcraft
   Model: BL0415SA
   Color: Seats 40
   Finish:

Product: Bleachers (Aluminum)
1. Mfg: Kay Park
   Model: BLA4A15V4F4
   Color: Seats 40
   Finish:
2. Mfg: LA Steelcraft
   Model: BL0415SA
   Color: Seats 40
   Finish:

Product: Shade Covers for Dugouts
1. Mfg: No Preference

Product: Shade Covers for Bleachers
1. Mfg: No Preference
### Product: Bat Racks
1. **Mfg:** LA Steelcraft  
   **Model:** BR-15  
   **Color:** Galvanized Steel  
   **Finish:**  
2. **Mfg:** BSN Sports  
   **Model:** BS-1159622; Steel Fence Bat Rack  
   **Color:** 30” Long  
   **Finish:**

### Product: Player Benches
1. **Mfg:** BSN Sports  
   **Model:** BS-BEPH15  
   **Color:**  
   **Finish:**  
2. **Mfg:** BSN Sports  
   **Model:** BS-BEPE15  
   **Color:**  
   **Finish:**  
3. **Mfg:** LA Steelcraft  
   **Model:** LBA-15P  
   **Color:**  
   **Finish:**

### Product: Bases
1. **Mfg:** BSN Sports  
   **Model:** BS-BBBASEPR w/ Anchors & Plugs  
   **Color:** White Bases  
   **Finish:**  
2. **Mfg:** BSN Sports  
   **Model:** BS-BBHPHWODBM  
   **Color:** Home Plate  
   **Finish:**

### Product: Batting Cages
1. **Mfg:** Custom w/Chainlink & Net  
   **Model:**  
   **Color:**  
   **Finish:**

### Product: Scoreboard
1. **Mfg:** MacGregor  
   **Model:** BS-MSBB8I  
   **Color:** 16’ x 5’ Outdoor Scoreboard w/Wireless Remote  
   **Finish:**

### Product: Foul Ball Poles
1. **Mfg:** BSN Sports  
   **Model:** BS-BS Foul  
   **Color:** 20’/12” Wing; 3-1/2” Outside Diameter Pole  
   **Finish:**

### Product: Outfield fencing with Cap Padding
1. **Mfg:** BSN Sports  
   **Model:** SAF-TOP BS-1234893  
   **Color:**  
   **Finish:**  
2. **Mfg:** BSN Sports  
   **Model:** BS-BS314GP  
   **Color:** 200FD Homerun Fence w/Yellow Top Tape  
   **Finish:**

### Product: Pole Padding
1. **Mfg:** No Preference

### Product: Drinking Fountains
1. **Mfg:** No Preference

### Sports Fields
#### SOCCER AND MULTI-USE COURTS

### Product: Scoreboard
1. **Mfg:** No Preference

### Product: Bleachers
1. **Mfg:** No Preference

### Product: Player Benches
1. **Mfg:** No Preference

### Product: Field Lighting Pole Padding
1. **Mfg:** No Preference

### Product: Drinking Fountains
1. **Mfg:** No Preference
Sports Courts

**BASKETBALL**

**Product: Pole and Backboard**
1. Mfg: No Preference

**Product: Spectator Bleachers**
1. Mfg: No Preference

**Product: Player Benches**
1. Mfg: No Preference

**Product: Basketball Court Lighting**
1. Mfg: Pacific Manufacturing
   Model: UTOPIA #MFL-2L-200ID/50-UNIV-Induction
   Color: BRNZ/SLIP FIT
   Finish:
2. Mfg: SQUARE D ELECT
   Model: Panel and Brackets
   Color:
   Finish:

**Product: Indoor Basketball Scoreboard**
1. Mfg: No Preference

**TENNIS COURTS**

**Product: Fence Screen**
1. Mfg:
   Model: Tennis Court Fencing
   Color: 12’ ht., 1-3/4” Mesh, 9 GA Chain Link Fence Fabric
   Finish:

**Product: Poles and Net**
1. Mfg: No Preference

**Product: Court Surfacing**
1. Mfg: Plexipave
   Model: Plexipave Standard System
   Color:
   Finish:
2. Mfg: Plexipave
   Model: Plexicushion
   Color:
   Finish:

**VOLLEYBALL**

**Product: Steel Poles**
1. Mfg: BSN Sports
   Model: BS-1157642
   Color: Slide Multi-Sport System
   Finish:

**Product: Net**
1. Mfg: BSN Sports
   Model: BS-SNVBSC324
   Color: Sports Volleyball Net
   Finish:

**Product: Court Rope Lines**
1. Mfg: No Preference

**Product: Spectator Benches**
1. Mfg: No Preference

**Product: Sand**
1. Mfg: No Preference

**Product: Volleyball Court Lighting**
1. Mfg: No Preference

**Extreme Sports**

**SKATE PARKS**

**Product: On-Grade Skate Elements**
1. Mfg: No Preference

**Product: Spectator Bleachers**
1. Mfg: No Preference

**Product: Benches**
1. Mfg: No Preference
### Active Recreation Amenities

#### FITNESS ZONES

**Product: Exercise Equipment**

1. **Mfg:** Greenfield  
   **Model:** Fitness Zone  
   **Color:** Green  
   **Finish:** Powder Coat Paint
2. **Mfg:** Landscape Structures Inc.  
   **Model:** Fitcare Cluster w/Healthbeat Unit b-cardio Stepper  
   **Color:** Green  
   **Finish:** [www.playlsi.com](http://www.playlsi.com)
3. **Mfg:** Great Western  
   **Model:** Triactive  
   **Color:**  
   **Finish:** [www.gwpark.com](http://www.gwpark.com)

**Product: Surface Material**

1. **Mfg:** Whittier Fertilizer (Supplier)  
   **Model:** 24 Ton D.G.  
   **Color:**  
   **Finish:** [www.whittierfertilizer.com](http://www.whittierfertilizer.com)
2. **Mfg:** Whittier Fertilizer (Supplier)  
   **Model:** Topsoil-Premium Grade  
   **Color:** 60 yds.  
   **Finish:** [www.whittierfertilizer.com](http://www.whittierfertilizer.com)
3. **Mfg:** Gail Materials (Supplier)  
   **Model:** Aqua Stop Topsoil w/Lassenite  
   **Color:**  
   **Finish:** [www.gailmaterials.net](http://www.gailmaterials.net)

**Product: Enclosure Pit Edge**

1. **Mfg:** Concrete Mow Strip  
   **Model:** Per Park Design Guidelines  
   **Color:**  
   **Finish:**

---

**HORSESHOE PITS**

**Product: Horseshoe Stakes**

1. **Mfg:** No Preference

**Children's Play Areas**

**Product: Play Equipment Components**

1. **Mfg:** Miracle  
   **Model:** 2-5 Year olds; 5-12 Year olds  
   **Color:**  
   **Finish:** [www.miracle-recreation.com](http://www.miracle-recreation.com)
2. **Mfg:** Kompan  
   **Model:** 2-5 Year olds; 5-12 Year olds  
   **Color:**  
   **Finish:** [www.kompan.com](http://www.kompan.com)
3. **Mfg:** Landscape Structures Inc.  
   **Model:** 2-5 Year olds; 5-12 Year olds  
   **Color:**  
   **Finish:** [www.playlsi.com](http://www.playlsi.com)
4. **Mfg:** Burke  
   **Model:** 2-5 Year olds; 5-12 Year olds  
   **Color:**  
   **Finish:** [www.bcburke.com](http://www.bcburke.com)

**Product: Climbing Boulders or Animal Sculptures**

1. **Mfg:** Landscape Structures Inc.  
   **Model:** Rock Climbers  
   **Color:** Brown  
   **Finish:** [www.playlsi.com](http://www.playlsi.com)
2. **Mfg:** Landscape Structures Inc.  
   **Model:** Lunar Blast net climber  
   **Color:**  
   **Finish:** [www.playlsi.com](http://www.playlsi.com)

**Product: Decorative Fencing**

1. **Mfg:** Landscape Structures, Inc.  
   **Model:** Playground Fencing  
   **Color:** Red, Powder Coat paint  
   **Finish:** [www.playlsi.com](http://www.playlsi.com)
2. **Mfg:** Recwest Outdoor  
   **Model:** 127” Long w/Graphic  
   **Color:**  
   **Finish:** [www.recwes.com](http://www.recwes.com)
**Product: Engineered Wood Fiber Surfacing**

1. Mfg: Recycled Wood Products  
   Model: Fiber Fall  
   Color:  
   Finish:  
2. Mfg: Whittier Fertilizer (Supplier)  
   Model: Playground Chip  
   Color:  
   Finish: [www.whittierfertilizer.com](http://www.whittierfertilizer.com)

**Product: Rubber Tile Surfacing**

1. Mfg: Spectraturf  
   Model: 10” high certified fall height; 3.75” min. thickness  
   Color:  
   Finish: [www.spectraturf.com](http://www.spectraturf.com)

**Product: Poured In Place Surfacing**

1. Mfg: Spectra Turf  
   Model: SpectraPour  
   Color: Match Existing Colors  
   Finish: [www.spectraturf.com](http://www.spectraturf.com)

**Product: Shade Sails**

1. Mfg: No Preference

**Splash Pads**

**Product: Spray Elements**

1. Mfg: Vortex  
   Model: Varies  
   Color:  
   Finish: [www.vortex-intl.com](http://www.vortex-intl.com)

**Product: Concrete Coloring**

1. Mfg: No Preference

**Product: Shade Sails**

1. Mfg: USA Shade  
   Model: 20’x30’ Hipo or Mariner  
   Color: Blue & Red/Green (Varies)  
   Finish: [www.usa-shade.com](http://www.usa-shade.com)

**Product: Seat Wall**

1. Mfg: No Preference

**Product: Mechanical Equipment Enclosure**

1. Mfg: No Preference

**Passive Recreation Areas**

**GROUP PICNIC AREAS**

**Product: Shade Shelter**

1. Mfg: USA Shade  
   Model: 50’ x 50’ Mariners Super Span Shade  
   Color: Match Site Colors (Varies)  
   Finish: [www.usa-shade.com](http://www.usa-shade.com)

2. Mfg: USA Shade  
   Model: 65’ x 42’ Multi-Panel  
   Color: Match Site Colors (Varies)  
   Finish: [www.usa-shade.com](http://www.usa-shade.com)

3. Mfg: USA Shade  
   Model: 20’ x 30’ Hip Structure  
   Color: Match Site Colors (Varies)  
   Finish: [www.usa-shade.com](http://www.usa-shade.com)

4. Mfg: Poligon  
   Model: 30’ x 40’ Mr. Ram  
   Color: Green Roof, Match Site Colors (Varies)  
   Finish: [www.poligon.com](http://www.poligon.com)

**Product: Picnic Area Name or Identification Number Signs**

1. Mfg: No Preference

**INDIVIDUAL PICNIC AREAS**

**Product: Shade Shelter**

1. Mfg: No Preference

**Park Furnishings**

**Product: Picnic Tables**

1. Mfg: Outdoor Creations Inc.  
   Model: Concrete w/ADA seating; Model #109; 8’ length  
   Color:  
   Finish: [www.outdoorcreations.com](http://www.outdoorcreations.com)

**Product: Benches**

1. Mfg: Wabash Valley  
   Model: CY42OR; 6’ long bench with back  
   Color: Rib/Green  
   Finish: [www.wabashvalley.com](http://www.wabashvalley.com)
Product: Drinking Fountains
1. Mfg: No Preference

Product: Bicycle Racks
1. Mfg: No Preference

Product: Bicycle Storage
1. Mfg: No Preference

Product: Trash Receptacles
1. Mfg: Wabash
   Model: LR300R/LR 310/FT110, 32-Gallon Receptacle
   Color: Rib/Green/14” Dia. Dome
   Finish: www.wabashvalley.com
2. Mfg: Wabash
   Model: Planter Box; PL102R- 24” Dia. X 24” Ht.
   Color: Rib/Red
   Finish: www.wabashvalley.com

Product: Hot Coal Receptacles
1. Mfg: US Concrete Precast
   Model: HCRBBQ1-K
   Color: Finish:
2. Mfg: San Diego Precast Concrete
   Model: Hot Coal HCRBBQ1K
   Color: Finish:

Product: Barbeque Grills
1. Mfg: RecWest Outdoor Products Inc.
   Model: MF16 Grill
   Color: Finish: www.recwest.com
2. Mfg: RecWest Outdoor Products Inc.
   Model: SB3628U w/shelf
   Color: Finish: www.recwest.com

Product: Park Signage
1. Mfg: No Preference

Product: Security Light Fixtures
1. Mfg: No Preference
Product: Dog Park Furnishings (Waste Bag Station)
1. Mfg: Uline
   Model: H-2897; Dog Waste System Dispenser
   Color: www.uline.com
2. Mfg: Uline
   Model: H-2898; Dog Waste System Sign
   Color:
   Finish: www.uline.com
3. Mfg: Uline
   Model: H-3491; Dog Waste System Receptacle
   Color:
   Finish: www.uline.com
4. Mfg: Uline
   Model: S-15585; 8” x 13” Dog Waste Bags
   Color:
   Finish: www.uline.com

Product: Dog Park Furnishings (Leash Post)
1. Mfg: No Preference

Product: Dog Park Furnishings (Play Equipment)
1. Mfg: No Preference

Swimming Pools

Product: Pool Ladders
1. Mfg: Paragon Aquatics
   Model: Figure 4-44-073
   Color: Grab Bars
   Finish:

Product: Pool Handrails
1. Mfg: No Preference

Product: Diving Boards
1. Mfg: Durafirm
   Model: Varies
   Color:
   Finish:

Product: ADA Chair Lifts
1. Mfg: Paragon Aquatics
   Model: Recreation Lifter 46-620
   Color:
   Finish:
2. Mfg: California Splash
   Model: Lift Package 46-765
   Color:
   Finish:
3. Mfg: Paragon Aquatics
   Model: Recreonics Lifter
   Color:
   Finish:
4. Mfg: Spectrum
   Model:
   Color:
   Finish:

Product: Emergency Trauma Kits
1. Mfg: Custom per facility
   Model:
   Color:
   Finish:

Product: Swim Lane Cords
1. Mfg: No Preference

Product: Pool Deck Lighting
1. Mfg: No Preference

Product: Pool Lighting
1. Mfg: No Preference

Product: Electronic Scoreboard
1. Mfg: Dakronics
   Model: Varies
   Color:
   Finish:

1. Mfg: No Preference

Product: Markers
1. Mfg: No Preference

Product: Buoys
1. Mfg: No Preference
Product: Regulatory Signage
1. Mfg: No Preference

Product: Information Signage
1. Mfg: No Preference

Product: Directional Signage
1. Mfg: No Preference

Product: Pool Cover
1. Mfg: No Preference

3.1.1.6 LANDSCAPING

Planted Areas

Product: Organic Mulch
1. Mfg: 
   Model: Fir Bark
   Color: 
   Finish: 
2. Mfg: Stover Seed Company (Turf Seed)
   Model: Pro Sports field seed mixture
   Color: 500 lbs. ordered
   Finish: 
3. Mfg: Superior Sod
   Model: Superior Plus Sod
   Color: 
   Finish: 

Product: Metal Trellis
1. Mfg: No Preference

Product: Root Barriers
1. Mfg: No Preference

Product: Tree Stakes
1. Mfg: No Preference

Product: Tree Guards
1. Mfg: Wabash
   Model: Tree Grates; TG148U, TG105F
   Color: 
   Finish: 

Irrigation

Product: Low Volume Irrigation Equipment
1. Mfg: No Preference

Product: Flow Sensor
1. Mfg: Rainbird
   Model: Varies
   Color: 
   Finish: 

Product: Master Valve
1. Mfg: No Preference
Product: Backflow Prevention Device
1. Mfg: Febco
   Model: Varies
   Color: Finish:

Product: Backflow Device Lockable Enclosure
1. Mfg: No Preference
   Color: Finish:

Product: Pressure Regulator
1. Mfg: Watts
   Model: Varies
   Color: Finish:

Product: Variable-Frequency Drive Pumps & Motors
1. Mfg: Rainbird
   Model: Varies
   Color: Finish:

Product: Manual Control Valves (gate or globe)
1. Mfg: No Preference

Product: Remote Control Valves
1. Mfg: Rainbird
   Model: EFB Series
   Color: Brass
   Finish:

Product: Check Valves (anti-drain valves)
1. Mfg: Griswold
   Model: Varies
   Color: Finish:

Product: Quick Couplers
1. Mfg: Rainbird
   Model: Varies
   Color: Finish:

Product: Valve Boxes (traffic & non-traffic)
1. Mfg: No Preference
   Model: Concrete
   Color: Finish:

Product: Valve Box Covers (reclaimed water Control valves)
1. Mfg: No Preference

Product: Weather Based Irrigation Controller
1. Mfg: No Preference

Product: Sensors (rain, wind, etc.)
1. Mfg: Rainbird
   Model: Color:
   Finish:

Product: Spray Heads (Rotor)
1. Mfg: Rainbird
   Model:
   Color:
   Finish:

Product: Spray Heads (Fixed)
1. Mfg: No Preference

Product: Spray Heads (Stream Spray)
1. Mfg: No Preference

Product: Bubblers
1. Mfg: No Preference
3.1.1.7 STORM WATER MANAGEMENT

Grading and Drainage

Product: Sediment Traps (gabion cages)
1. Mfg: No Preference

Product: Play Area Sump
1. Mfg: No Preference

Product: Drop Inlets (catch basin)

Traffic and Non-Traffic Covers
1. Mfg: No Preference

Product: Atrium Drains
1. Mfg: No Preference

LID Site Design Strategies

PARKING LOT DRAINAGE

Product: Catch Basin with Filter
1. Mfg: No Preference

3.1.1.8 UTILITIES

New Electrical and Lighting Utility Design

Product: Electrical Panels
1. Mfg: No Preference

Product: Exterior Receptacles
1. Mfg: No Preference

Product: In-ground Concrete Junction Box
1. Mfg: No Preference

Product: Interior Restroom Movement Sensors
1. Mfg: No Preference

Product: Solar Lighting (Bollards)
1. Mfg: No Preference

Product: Solar Lighting (Security)
1. Mfg: No Preference

Product: Solar Lighting (Parking)
1. Mfg: No Preference

Product: Solar Lighting (Recreation)
1. Mfg: No Preference

Security Lighting

Product: Parking Lot Standards
1. Mfg: Luminaire
   Model: M400
   Color: 953 Pole w/Base Plate Bolting
   Finish:

Product: Walkway Light Standards
1. Mfg: No Preference

Product: Building Wall Units
1. Mfg: No Preference
Recreational Field Lighting

Product: Ball Field Lighting
1. Mfg: No Preference

Product: Soccer Field Lighting
1. Mfg: No Preference

HVAC

Product: HVAC System
1. Mfg: No Preference

Telecommunication Systems

Product: System Equipment
1. Mfg: No Preference

Smoke/Fire Detection Systems

Product: Fire Alarm System
1. Mfg: No Preference

Product: Smoke Detection System
1. Mfg: No Preference

Product: Water Flow Alarms
1. Mfg: No Preference
3.1.2 South County Community Services Agency

3.1.2.1 SPATIAL ORGANIZATION

Security and Safety

Product: Security Cameras (monitoring system)
1. Mfg: Delco
   Model: Spectra IV IP PT2 Network Camera
   Color: White
   Finish: Matte
2. Mfg: Pelco
   Model: Spectra HD
   Color: White
   Finish: Matte
Notes: All cameras are to be networked based with room provided in the server for cameras and expandability. Remote viewing is a must.

Product: Window Guards
1. Mfg: No Preference

Product: Knox Box
1. Mfg: No Preference

3.1.2.2 BUILDINGS

Restroom Buildings

Product: Exterior Lighting
1. Mfg: RAB
   Model: WPIG 100 Watt Halide
   Color: Brown
   Finish: Surface Mounted

Product: Doors and Hardware
1. Mfg: Yale Mortise
   Model: AUE 8800 FL
   Color: ZA Keyway
   Finish: 26D/626
2. Mfg: Yale Lever
   Model: AU 5400 LN
   Color: ZA Keyway
   Finish: 26D/626
3. Mfg: LCN Closer
   Model: 4040 XP
   Color: Aluminum
   Finish: 
4. Mfg: T.M. Cobb
   Model: Lumber Core
   Color: Natural
   Finish: Birch
5. Mfg: Stanley / Lawrence
   Model: Butt Hinges 4.5 x 4.5
   Color: Stainless
   Finish: 26-D

Product: Sinks
1. Mfg: Acorn
   Model: 1952-1-CSG-9-GT-TT
   Color: Satin
   Finish: S.S.
2. Mfg: Acorn
   Model: 1950-1-CSG-9-GT-TT
   Color: Satin
   Finish: Stainless Steel
   Model: 03SG.041
   Color: White
   Finish: Vitreous China
<table>
<thead>
<tr>
<th>Product: Toilets</th>
<th>Product: Mirrors</th>
<th>Product: Soap Dispenser</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model: 2100-T-1-CN-HS-FV</td>
<td>Model: B-165 36” x 48”</td>
<td>Model: 1/2000ml Dispenser</td>
</tr>
<tr>
<td>Color: Satin</td>
<td>Color: Chrome</td>
<td>Color: Gray</td>
</tr>
<tr>
<td>Finish: Stainless Steel</td>
<td>Finish: Stainless Steel</td>
<td>Finish:</td>
</tr>
<tr>
<td>Model: 2477</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Color: Porcelain</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Finish:</td>
<td></td>
<td></td>
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<tr>
<td>Model:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Color: Satin</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Finish: Stainless Steel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4. Mfg: Kohler</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Model: 4330</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Color: White</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Finish: White/Stainless Steel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Product: Urinals (standard and waterless)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1. Mfg: Acorn</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Model: 2167-T-I-FV</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Color: Satin</td>
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</tr>
<tr>
<td>Finish: Stainless Steel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Model: 6590-001</td>
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</tr>
<tr>
<td>Color: White</td>
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<td>Finish: White/Stainless Steel</td>
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<tr>
<td>Model: 6541-132</td>
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</tr>
<tr>
<td>Color: White</td>
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</tr>
<tr>
<td>Finish: White/Stainless Steel</td>
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<tr>
<td>4. Mfg: Kohler</td>
<td></td>
<td></td>
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<tr>
<td>Model: K-5016-ET-0</td>
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<tr>
<td>Color: White</td>
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<td></td>
</tr>
<tr>
<td>Finish: White/Stainless Steel</td>
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<td></td>
</tr>
<tr>
<td>Product: Hand Dryers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1. Mfg: No Preference</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Product: Drinking Fountains (wall mounted)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1. Mfg: Haws</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Model: 1118 BP</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Color: Satin</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Finish: Stainless Steel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Product: Toilet Seat Cover Dispensers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1. Mfg: Waxie</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Model: 851560</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Color: White</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Finish: Plastic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Product: Toilet Paper Dispensers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1. Mfg: Waxie</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Model: #815</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Color: Chrome Plated</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Finish:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Product: ADA Grab Bars</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1. Mfg: Tubular Specialty</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Model: SE 957</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Color: Stainless Steel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Finish: Z6-D</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Mfg: Mintcraft</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Model: SE957</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Color: Stainless steel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Finish: 26-D</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Product: Floor Drain</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1. Mfg: American Standard</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Model: 908-2</td>
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<td></td>
</tr>
<tr>
<td>Color: White</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Finish: Enamel Over Cast Iron</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Product: CMU Block – Colored Split Face
1. Mfg: Orco Block
   Model: 8 x 8 x 16
   Color: Tan
   Finish: Split Face
2. Mfg: Orco Block
   Model: 8 x 4 x 16
   Color: Grey and Tan
   Finish: Smooth

Product: CMU Block – Burnished
1. Mfg: No Preference

Gymnasium Buildings

Product: Bleachers (Temporary Bleachers)
1. Mfg: Highland Products
   Model: Tip-N-Roll
   Color: Varies
   Finish:
2. Mfg: Maxam
   Model: Varies
   Color: Varies
   Finish:
3. Mfg: Tomark Sports
   Model: TM-K14078
   Color: Gray
   Finish: Aluminum

Product: Bleachers (Retractable Bleachers)
1. Mfg: Maxam Bleachers
   Model: Varies
   Color: Finish:
2. Mfg: Tomark
   Model: Varies
   Color: Finish:
   Model: #2600
   Color: Finish:

Product: Scoreboard
1. Mfg: Daktronics Scoreboards
   Model: Varies
   Color: Finish:
2. Mfg: All American Scoreboards
   Model: Varies
   Color: Finish:
3. Mfg: Macgregor Scoreboards
   Model: Varies
   Color: Finish:
4. Mfg: Tomark Sports
   Model: Danaview
   Color: Finish:

Product: Basketball Standards
1. Mfg: Tomark
   Model: Varies
   Color: Finish:

Product: Wall Padding
1. Mfg: Wainscotting Padding
   Model: Varies
   Color: Finish:
2. Mfg: Kwik-Stik
   Model: Varies
   Color: Finish:
3. Mfg: AK Athletic Equipment
   Model: Varies
   Color: Finish:
4. Mfg: Tomark Sports
   Model: TM-K35050
   Color: Finish:
<table>
<thead>
<tr>
<th>Product: Wood Flooring</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Mfg: Johnson</td>
</tr>
<tr>
<td>Model: Strip</td>
</tr>
<tr>
<td>Color: Natural</td>
</tr>
<tr>
<td>Finish: Gloss</td>
</tr>
<tr>
<td>2. Mfg: Robbins</td>
</tr>
<tr>
<td>Model: Strip</td>
</tr>
<tr>
<td>Color: Natural</td>
</tr>
<tr>
<td>Finish: Gloss</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product: Drinking Fountain (wall mounted)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Mfg: Haws</td>
</tr>
<tr>
<td>Model: 2400 Recessed</td>
</tr>
<tr>
<td>Color: Satin</td>
</tr>
<tr>
<td>Finish: Stainless Steel</td>
</tr>
<tr>
<td>2. Mfg: Haws – Cooler</td>
</tr>
<tr>
<td>Model: 2106</td>
</tr>
<tr>
<td>Color: Satin</td>
</tr>
<tr>
<td>Finish: Stainless Steel</td>
</tr>
<tr>
<td>3. Mfg: Haws</td>
</tr>
<tr>
<td>Model: 1118 BP</td>
</tr>
<tr>
<td>Color: Stainless Steel</td>
</tr>
<tr>
<td>Finish: Satin</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product: Doors &amp; Hardware</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Mfg: Yale Mortise</td>
</tr>
<tr>
<td>Model: Alle 8800FL</td>
</tr>
<tr>
<td>Color: ZA Keyway</td>
</tr>
<tr>
<td>Finish: 26D / 626</td>
</tr>
<tr>
<td>2. Mfg: Yale Lever</td>
</tr>
<tr>
<td>Model: AU5400FL</td>
</tr>
<tr>
<td>Color: ZA Keyway</td>
</tr>
<tr>
<td>Finish: 26D / 626</td>
</tr>
<tr>
<td>3. Mfg: Von Duprin Exit Device</td>
</tr>
<tr>
<td>Model: 99 Series Touch Bar Exit Device</td>
</tr>
<tr>
<td>Color:</td>
</tr>
<tr>
<td>Finish: 26D / 626</td>
</tr>
<tr>
<td>4. Mfg: LCN Closers</td>
</tr>
<tr>
<td>Model: 4040 XP</td>
</tr>
<tr>
<td>Color: Aluminum</td>
</tr>
<tr>
<td>Finish:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product: Interior Lights</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Mfg:</td>
</tr>
<tr>
<td>Model: 4'T-8 Fluorescent</td>
</tr>
<tr>
<td>Color: White</td>
</tr>
<tr>
<td>Finish: Surface Mount</td>
</tr>
<tr>
<td>2. Mfg:</td>
</tr>
<tr>
<td>Model: 100w Mh Recessed Can</td>
</tr>
<tr>
<td>Color: White Trim</td>
</tr>
<tr>
<td>Finish: Recessed</td>
</tr>
<tr>
<td>3. Mfg:</td>
</tr>
<tr>
<td>Model: CF1800 / 841 18 Watt</td>
</tr>
<tr>
<td>Color: White Finish</td>
</tr>
<tr>
<td>Finish: Recessed Light Can</td>
</tr>
<tr>
<td>4. Mfg:</td>
</tr>
<tr>
<td>Model: CF 1300 / 827 13Watt</td>
</tr>
<tr>
<td>Color: White Trim</td>
</tr>
<tr>
<td>Finish: Recessed Light Can</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product: Windows</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Mfg: Milgard</td>
</tr>
<tr>
<td>Model: #238</td>
</tr>
<tr>
<td>Color: White</td>
</tr>
<tr>
<td>Finish: Aluminum</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product: Exercise Room Flooring</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Mfg: Rubber Flooring Inc.</td>
</tr>
<tr>
<td>Model: Varies, 3/8&quot; thick</td>
</tr>
<tr>
<td>Color:</td>
</tr>
<tr>
<td>Finish:</td>
</tr>
<tr>
<td>2. Mfg: Tomark</td>
</tr>
<tr>
<td>Model: Varies</td>
</tr>
<tr>
<td>Color:</td>
</tr>
<tr>
<td>Finish:</td>
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</table>

<table>
<thead>
<tr>
<th>Product: Exercise Room Equipment</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Mfg: Specialty Fitness (Vendor)</td>
</tr>
<tr>
<td>Model:</td>
</tr>
<tr>
<td>Color:</td>
</tr>
<tr>
<td>Finish:</td>
</tr>
<tr>
<td>2. Mfg: Sears (Vendor)</td>
</tr>
<tr>
<td>Model:</td>
</tr>
<tr>
<td>Color:</td>
</tr>
<tr>
<td>Finish:</td>
</tr>
<tr>
<td>3. Mfg: Sports Authority (Vendor)</td>
</tr>
<tr>
<td>Model:</td>
</tr>
<tr>
<td>Color:</td>
</tr>
<tr>
<td>Finish:</td>
</tr>
</tbody>
</table>
### Product: HVAC System

1. **Mfg:** Carrier (In gym)  
   **Model:** 48 TC “WeatherMaker”  
   **Color:** Grey  
   **Finish:** Package Unit (Roof top)

2. **Mfg:** York (In main office)  
   **Model:** H2RD Series  
   **Color:** Brown  
   **Finish:** Split System

3. **Mfg:** Friedrich  
   **Model:** SS 12M10  
   **Color:** Grey/Black  
   **Finish:** Window Mounting

4. **Mfg:** York (Heat pump)  
   **Model:** XP120 Series  
   **Color:** Brown  
   **Finish:** Package Unit (Roof top)

5. **Mfg:** Carrier  
   **Model:** 38HDR060-321  
   **Color:** Grey  
   **Finish:** Split Mounted (Vertical) Split System

### Product: Fire Sprinklers

1. **Mfg:** No Preference

### Product: Stage Lift

1. **Mfg:** Southern Aluminum  
   **Model:** Portable Stages  
   **Color:**  
   **Finish:**

2. **Mfg:** School Outfitters  
   **Model:** Portable Stages  
   **Color:**  
   **Finish:**

### Product: Dressing Room Mirrors

1. **Mfg:** School Outfitters  
   **Model:**  
   **Color:** Varies  
   **Finish:**

2. **Mfg:** School Specialty  
   **Model:**  
   **Color:** Varies  
   **Finish:**

3. **Mfg:** Direct Advantage  
   **Model:**  
   **Color:** Varies  
   **Finish:**

4. **Mfg:** Discount School Supply  
   **Model:**  
   **Color:** Varies  
   **Finish:**

5. **Mfg:** A to Z Glass  
   **Model:** All Models  
   **Color:** All Colors  
   **Finish:** All Finishes

### Product: Dressing Room Lockers

1. **Mfg:** School Outfitters  
   **Model:**  
   **Color:** Varies  
   **Finish:**

2. **Mfg:** Direct Advantage  
   **Model:**  
   **Color:** Varies  
   **Finish:**

3. **Mfg:** Discount School Supply  
   **Model:**  
   **Color:** Varies  
   **Finish:**

### Product: Dressing Room Bench/Seating

1. **Mfg:** Classroom Direct  
   **Model:**  
   **Color:** Varies  
   **Finish:**

2. **Mfg:** School Outfitters  
   **Model:**  
   **Color:** Varies  
   **Finish:**
Product: Dressing Room Counter
1. Mfg: Discount School Supply
   Model: Varies
   Color:
   Finish:
2. Mfg: Classroom Direct
   Model: Varies
   Color:
   Finish:

Product: Stage Lighting
1. Mfg:
   Model: Induction Lights 250 Watt
   Color: White
   Finish: Hanging Type
2. Mfg:
   Model: LED Lights 250 Watt
   Color: White
   Finish: Hanging Type

Product: Stage Curtain
1. Mfg: iWeiss Theatrical Solutions
   Model: Varies
   Color:
   Finish:

Product: Storage Room Shelving
1. Mfg: School Outfitters
   Model: Varies
   Color:
   Finish:
2. Mfg: Discount School Supply
   Model: Varies
   Color:
   Finish:
3. Mfg: Classroom Direct
   Model: Varies
   Color:
   Finish:
4. Mfg: Tomark
   Model: Varies
   Color:
   Finish:

Product: Telephone System
1. Mfg: Nortel Networks
   Model:
   Color:
   Finish:
2. Mfg: Avaya Incorporated
   Model:
   Color:
   Finish:
3. Mfg: CISCO
   Model:
   Color:
   Finish:
4. Mfg: ISD
   Model:
   Color:
   Finish:

Product: Public Address System - Speakers
1. Mfg: Fender
   Model: Varies
   Color:
   Finish:
2. Mfg: Guitar Center (Vendor)
   Model: Varies
   Color:
   Finish:
3. Mfg: Best Buy (Vendor)
   Model: Varies
   Color:
   Finish:

Product: Office Furniture
1. Mfg: Classroom Direct
   Model: Varies
   Color:
   Finish:
2. Mfg: School Outfitters
   Model: Varies
   Color:
   Finish:
3. Mfg: Discount School Supply
   Model: Varies
   Color:
   Finish:
Community Buildings

Product: Room Partitions
1. Mfg: Staples (Vendor)
   Model:
   Color:
   Finish:

Product: Folding/Stacking Chairs
1. Mfg: School Outfitters (Vendor)
   Model:
   Color:
   Finish:
2. Mfg: Virco
   Model:
   Color:
   Finish:
3. Mfg: Discount School Supply (Vendor)
   Model:
   Color:
   Finish:
4. Mfg: National Public Seating (Vendor)
   Model:
   Color:
   Finish:

Product: Flooring
1. Mfg: No Preference
   Model:
   Color:
   Finish:

Product: Classroom Tables
1. Mfg: Virco
   Model:
   Color:
   Finish:
2. Mfg: School Outfitters (Vendor)
   Model:
   Color:
   Finish:
3. Mfg: Discount School Supply (Vendor)
   Model:
   Color:
   Finish:

Product: Blackboard/Whiteboard
1. Mfg: School Outfitters (Vendor)
   Model:
   Color:
   Finish:

Product: Bulletin Boards/Pin Boards
1. Mfg: School Outfitters (Vendor)
   Model:
   Color:
   Finish:
2. Mfg: Discount School Supply (Vendor)
   Model:
   Color:
   Finish:
3. Mfg: Staples (Vendor)
   Model:
   Color:
   Finish:

Product: Audio Visual Equipment - Screens
1. Mfg: Tomark
   Model:
   Color:
   Finish:
2. Mfg: Best Buy (Vendor)
   Model:
   Color:
   Finish:
3. Mfg: Fry’s (Vendor)
   Model:
   Color:
   Finish:

Product: Audio Visual Equipment - Electronic Equipment
1. Mfg: No Preference
<table>
<thead>
<tr>
<th>Product: Staff Offices - Office Equipment</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Mfg:</td>
</tr>
<tr>
<td>Model:</td>
</tr>
<tr>
<td>Color:</td>
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<td>Finish:</td>
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<tr>
<td>2. Mfg:</td>
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<tr>
<td>Model:</td>
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<tr>
<td>Model:</td>
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<tr>
<td>Color:</td>
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<td>Finish:</td>
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<table>
<thead>
<tr>
<th>Product: Staff Offices - Desks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Mfg:</td>
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<td>Model:</td>
</tr>
<tr>
<td>Color:</td>
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<td>Finish:</td>
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<td>2. Mfg:</td>
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<tr>
<td>Model:</td>
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<tr>
<td>Color:</td>
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<tr>
<td>Finish:</td>
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<table>
<thead>
<tr>
<th>Product: Staff Offices - Cabinets</th>
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</thead>
<tbody>
<tr>
<td>1. Mfg:</td>
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<td>Model:</td>
</tr>
<tr>
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<td>Finish:</td>
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<tr>
<td>Model:</td>
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<tr>
<td>Color:</td>
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<tr>
<td>Finish:</td>
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<table>
<thead>
<tr>
<th>Product: Staff Offices - Storage</th>
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<tbody>
<tr>
<td>1. Mfg:</td>
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<tr>
<td>Model:</td>
</tr>
<tr>
<td>Color:</td>
</tr>
<tr>
<td>Finish:</td>
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<table>
<thead>
<tr>
<th>Product: Staff Offices - Flooring</th>
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<tbody>
<tr>
<td>1. Mfg:</td>
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<tr>
<td>Model:</td>
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<tr>
<td>Color:</td>
</tr>
<tr>
<td>Finish:</td>
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<table>
<thead>
<tr>
<th>Product: Staff Offices - IT Services</th>
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<td>1. Mfg:</td>
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<table>
<thead>
<tr>
<th>Product: Staff Offices - Telephone Conference Equipment - Speakers</th>
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</thead>
<tbody>
<tr>
<td>1. Mfg:</td>
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<table>
<thead>
<tr>
<th>Product: Reception Chairs</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Mfg:</td>
</tr>
<tr>
<td>Model:</td>
</tr>
<tr>
<td>Color:</td>
</tr>
<tr>
<td>Finish:</td>
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<table>
<thead>
<tr>
<th>Product: Janitor Room Shelving</th>
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<tbody>
<tr>
<td>1. Mfg:</td>
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<table>
<thead>
<tr>
<th>Product: Janitor Mop Sink</th>
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<tbody>
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<td>1. Mfg:</td>
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<tr>
<td>Model:</td>
</tr>
<tr>
<td>Color:</td>
</tr>
<tr>
<td>Finish:</td>
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<table>
<thead>
<tr>
<th>Product: Kitchen Appliances</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Mfg:</td>
</tr>
<tr>
<td>Model:</td>
</tr>
<tr>
<td>Color:</td>
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<tr>
<td>Finish:</td>
</tr>
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<td>2. Mfg:</td>
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<td>Model:</td>
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<td>Color:</td>
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<td>3. Mfg:</td>
</tr>
<tr>
<td>Model:</td>
</tr>
<tr>
<td>Color:</td>
</tr>
<tr>
<td>Finish:</td>
</tr>
</tbody>
</table>
Product: Counters
1. Mfg: No Preference

Product: Cabinets/Hardware
1. Mfg: No Preference

Product: Fire Suppression System
1. Mfg: No Preference

Product: Sinks
1. Mfg: No Preference

Sports Field Concession Stand
Product: Kitchen Appliances
1. Mfg: Arrow Restaurant Equipment (Vendor)
   Model:
   Color:
   Finish:
2. Mfg: KaTom Restaurant Supply (Vendor)
   Model:
   Color:
   Finish:
3. Mfg: Central Restaurant (Vendor)
   Model:
   Color:
   Finish:

Product: Counters
1. Mfg: No Preference

Product: Cabinets/Hardware
1. Mfg: No Preference

Product: Fire Suppression System
1. Mfg: No Preference

Product: Floor Drain
1. Mfg: A/O Smith
   Model: 2-415 9N
   Color: Chrome
   Finish:

Product: Sinks
1. Mfg: ACORN
   Model: 1952-1-CSG-9-GT-TT
   Color: Satin
   Finish: Stainless Steel
   Model: 035G 041
   Color: White
   Finish: Vitreous China

Product: Service Windows
1. Mfg: No Preference

Maintenance Buildings/Yards
Product: Gates
1. Mfg: No Preference

Product: Cargo Containers
1. Mfg: No Preference

Product: Storage Containers
1. Mfg: South West Mobile Storage (Vendor)
   Model:
   Color:
   Finish:
2. Mfg: Aztec Containers (Vendor)
   Model:
   Color:
   Finish:
3. Mfg: Mobile Mini Containers (Vendor)
   Model:
   Color:
   Finish:

Product: Restroom Equipment and Fixtures
1. Mfg: No Preference
Product: Building Interior Equipment
1. Mfg: No Preference

Pool Buildings
Product: Exterior Lighting
1. Mfg: No Preference

Product: Interior Lighting
1. Mfg: No Preference

Product: Doors and Hardware
1. Mfg: No Preference

Product: Sinks
1. Mfg: No Preference

Product: Toilets
1. Mfg: No Preference

Product: Urinals (standard and waterless)
1. Mfg: No Preference

Product: Hand Dryers
1. Mfg: No Preference

Product: Drinking fountains (wall mounted)
1. Mfg: Haws
   Model: 118 BP
   Color: Satin
   Finish: Stainless Steel

Product: Soap Dispenser
1. Mfg: No Preference

Product: ADA Grab Bars
1. Mfg: No Preference

Product: Floor Drain
1. Mfg: No Preference

Product: CMU Block - Colored Split Face
1. Mfg: No Preference

Product: CMU Block - Burnished
1. Mfg: No Preference

Product: Mirrors
1. Mfg: No Preference

Product: Toilet Seat Cover Dispensers
1. Mfg: No Preference

Product: Toilet Paper Dispensers
1. Mfg: No Preference

Product: Dressing Room Benches
1. Mfg: No Preference

Product: Shower Fixtures
1. Mfg: Chicago
   Model: 770-669
   Color: Chrome
   Finish: Chrome

Product: Flooring
1. Mfg: No Preference

Product: Mechanical Equipment
1. Mfg: No Preference

Product: Signage
1. Mfg: In-house sign shop (DPR)
Product: HVAC System
1. Mfg: Carrier
   Model: 48 TC "Weathermaker"
   Color: Grey
   Finish: Package Unit (Roof Top)
2. Mfg: York (In main office)
   Model: H2RD Series
   Color: Brown
   Finish: Split System
3. Mfg: Fredrich
   Model: SS 12M10
   Color: Grey/Black
   Finish: Window Mounting
4. Mfg: York
   Model: XP 120 Series
   Color: Brown
   Finish: Package Unit (Roof Top)
5. Mfg: Carrier
   Model: 38HDR060-321
   Color: Grey
   Finish: Split Mounted (vertical) Split

Product: Water Heaters
1. Mfg: American
   Model: Varies
   Color: 
   Finish: 
2. Mfg: A/O Smith
   Model: Varies
   Color: 
   Finish: 
3. Mfg: Rheem
   Model: Varies
   Color: 
   Finish: 

3.1.2.3 PARKING LOTS

Product: Barrier Gates
1. Mfg: No Preference

Product: Paint Striping
1. Mfg: No Preference

Product: ADA Truncated Domes
1. Mfg: No Preference

Product: Bollards
1. Mfg: No Preference

Product: Wheel Stops
1. Mfg: No Preference
   Model: 
   Color: 
   Finish: Concrete

Product: Spike Strips
1. Mfg: No Preference

Product: Trash Enclosure (CMU/Split face block)
1. Mfg: No Preference
   Finish: 

Product: Trash Enclosure Roof Material
1. Mfg: No Preference
### 3.1.2.4 CIRCULATION

**Pedestrian**

Product: Decomposed Granite

1. Mfg: Gail Materials  
   Model:  
   Color:  
   Finish:  
2. Mfg: Whittier Fertilizer  
   Model:  
   Color:  
   Finish:  
3. Mfg: Sands Building Materials  
   Model:  
   Color:  
   Finish:  

Product: Decomposed Granite Stabilized

1. Mfg: Gail Materials  
   Model:  
   Color:  
   Finish:  
2. Mfg: Whittier Fertilizer  
   Model:  
   Color:  
   Finish:  
3. Mfg: Sands Building Materials  
   Model:  
   Color:  
   Finish:  

Product: Permeable Pavers

1. Mfg: No Preference

Product: ADA Truncated Domes

1. Mfg: No Preference

**Vehicular**

Product: Emergency Vehicle Lane Access Barrier

1. Mfg: No Preference

Product: Speed Humps

1. Mfg: No Preference

### 3.1.2.5 RECREATIONAL FACILITIES

**Ball Fields**

Product: Brick Dust

1. Mfg: Corona Clay  
   Model:  
   Color:  
   Finish:  

Product: Softball Backstop

1. Mfg: No Preference  
   Model: 9 Gauge  
   Color:  
   Finish: Chain Link

Product: Baseball Backstop

1. Mfg: No Preference  
   Model: 9 Gauge  
   Color:  
   Finish: Chain Link

Product: Chain Link Fence

1. Mfg: No Preference  
   Model: 9 Gauge  
   Color:  
   Finish:

Product: Bleachers (Metal and Wood)

1. Mfg: Tomark  
   Model:  
   Color:  
   Finish:

Product: Bleachers (Aluminum)

1. Mfg: Tomark  
   Model:  
   Color:  
   Finish:

2. Mfg: Her  
   Model:  
   Color:  
   Finish:
Product: Shade Covers for Dugouts
1. Mfg: No Preference

Product: Shade Covers for Bleachers
1. Mfg: No Preference

Product: Bat Racks
1. Mfg: No Preference

Product: Player Benches
1. Mfg: No Preference

Product: Bases
1. Mfg: No Preference

Product: Batting Cages
1. Mfg: No Preference

Product: Scoreboard
1. Mfg: No Preference

Product: Foul Ball Poles
1. Mfg: No Preference

Product: Outfield fencing with Cap Padding
1. Mfg: No Preference

Product: Pole Padding
1. Mfg: No Preference

Product: Drinking Fountains
1. Mfg: Haws
   Model: 1118 BP
   Color: Satin
   Finish: Stainless Steel

Sports Fields

SOCcer AND Multi-Use COURTS

Product: Scoreboard
1. Mfg: No Preference

Product: Bleachers
1. Mfg: Herks
   Model: Color: Finish:
2. Mfg: Tomark
   Model: Color: Finish: Vitreous China

Product: Player Benches
1. Mfg: Tomark
   Model: Color: Finish:
2. Mfg: Herks
   Model: Color: Finish:

Product: Field Lighting Pole Padding
1. Mfg: No Preference

Product: Drinking Fountains
1. Mfg: Haws
   Model: 1118 BP
   Color: Satin
   Finish: Stainless Steel

Sports Courts

Basketball

Product: Pole and Backboard
1. Mfg: No Preference

Product: Spectator Bleachers
1. Mfg: No Preference

Product: Player Benches
1. Mfg: No Preference
### Basketball Court Lighting

1. **Mfg:** Graybar  
   - **Model:**  
   - **Color:**  
   - **Finish:**

2. **Mfg:** Monterey Lighting  
   - **Model:** LED  
   - **Color:**  
   - **Finish:**

### Indoor Basketball Scoreboard

1. **Mfg:** No Preference  

### Tennis Courts

#### Fence Screen

1. **Mfg:** No Preference  

#### Poles and Net

1. **Mfg:** No Preference  

#### Court Surfacing

1. **Mfg:** No Preference  

#### Tennis Court Lighting

1. **Mfg:** Visionaire Lighting  
   - **Model:** 750 Watt H2D Pulse-Start  
   - **Color:** LED Lighting  
   - **Finish:** Varies  

2. **Mfg:**  
   - **Model:**  
   - **Color:**  
   - **Finish:**

### Volleyball

#### Steel Poles

1. **Mfg:** No Preference  

#### Net

1. **Mfg:** No Preference  

#### Court Rope Lines

1. **Mfg:** No Preference  

#### Spectator Benches

1. **Mfg:** No Preference  

### Extreme Sports

#### On-Grade Skate Elements

1. **Mfg:** No Preference  

#### Spectator Bleachers

1. **Mfg:** No Preference  

#### Benches

1. **Mfg:** No Preference  

#### Decorative Fencing

1. **Mfg:** No Preference  

#### Sport Lighting

1. **Mfg:** Musco Lighting  
   - **Model:** 1500 W  
   - **Color:**  
   - **Finish:**

2. **Mfg:** Monterey Lighting  
   - **Model:** 750 W Hid  
   - **Color:**  
   - **Finish:**

3. **Mfg:** Monterey Lighting  
   - **Model:** 450 W LED  
   - **Color:**  
   - **Finish:**

### Sand

1. **Mfg:** No Preference  

### Volleyball Court Lighting

1. **Mfg:** Varies  
   - **Model:** Metal Halide  
   - **Color:** Pulse-Start  
   - **Finish:**

2. **Mfg:** LED Lighting  
   - **Model:** Varies  
   - **Color:**  
   - **Finish:**
Active Recreation Amenities

FITNESS ZONES

Product: Exercise Equipment
1. Mfg: No Preference

Product: Surface Material
1. Mfg: No Preference

Product: Enclosure Pit Edge
1. Mfg: No Preference

HORSESHOE PITS

Product: Horseshoe Stakes
1. Mfg: No Preference

Children's Play Areas

Product: Play Equipment Components
1. Mfg: No Preference

Product: Climbing Boulders or Animal Sculptures
1. Mfg: No Preference

Product: Decorative Fencing
1. Mfg: No Preference

Product: Engineered Wood Fiber Surfacing
1. Mfg: Cross Road Mulch
   Model: Wood Fiber
   Color: Finish:

Product: Rubber Tile Surfacing
1. Mfg: No Preference

Product: Poured In Place Surfacing
1. Mfg: No Preference

Product: Shade Sails
1. Mfg: No Preference

Splash Pads

Product: Spray Elements
1. Mfg: No Preference

Passive Recreation Areas

GROUP PICNIC AREAS

Product: Shade Shelter
1. Mfg: No Preference

Product: Picnic Area Name or Identification
Number Signs
1. Mfg: No Preference

INDIVIDUAL PICNIC AREAS

Product: Shade Shelter
1. Mfg: No Preference

Park Furnishings

Product: Picnic Tables
1. Mfg: No Preference

Product: Benches
1. Mfg: No Preference

Product: Drinking Fountains
1. Mfg: No Preference

Product: Bicycle Racks
1. Mfg: No Preference

Product: Bicycle Storage
1. Mfg: No Preference
<table>
<thead>
<tr>
<th>Product: Trash Receptacles</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Mfg: No Preference</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product: Hot Coal Receptacles</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Mfg: No Preference</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product: Barbeque Grills</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Mfg: No Preference</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product: Park Signage</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Mfg: No Preference</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product: Security Light Fixtures</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Mfg: GE 454641.IES (ERS 2)</td>
</tr>
<tr>
<td>Model: HXCX</td>
</tr>
<tr>
<td>Color: Grey</td>
</tr>
<tr>
<td>Finish: Polyester Powder Painted</td>
</tr>
<tr>
<td>2. Mfg: GE</td>
</tr>
<tr>
<td>Model: EASM-E3 57-A</td>
</tr>
<tr>
<td>Color: DKB2</td>
</tr>
<tr>
<td>Finish: Polyester Powder Painted</td>
</tr>
<tr>
<td>3. Mfg: GE</td>
</tr>
<tr>
<td>Model: EAMM-M3-57-A</td>
</tr>
<tr>
<td>Color:</td>
</tr>
<tr>
<td>Finish:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product: Seat Wall Anti-Skateboard Guards</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Mfg: No Preference</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product: Ball Field Maintenance Equipment Containers</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Mfg: No Preference</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product: Chain Link Fencing</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Mfg: Wolverine</td>
</tr>
<tr>
<td>Model: 9 Gauge</td>
</tr>
<tr>
<td>Color:</td>
</tr>
<tr>
<td>Finish:</td>
</tr>
<tr>
<td>2. Mfg: American</td>
</tr>
<tr>
<td>Model: 9 Gauge</td>
</tr>
<tr>
<td>Color:</td>
</tr>
<tr>
<td>Finish:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product: Steel Picket Fencing</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Mfg: No Preference</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product: Dog Park Furnishing (Drinking Station)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Mfg: Haws</td>
</tr>
<tr>
<td>Model: 1118 BP</td>
</tr>
<tr>
<td>Color: Satin</td>
</tr>
<tr>
<td>Finish: Stainless Steel</td>
</tr>
</tbody>
</table>
Product: Dog Park Furnishings (Waste Bag Station)
1. Mfg: No Preference

Product: Dog Park Furnishings (Leash Post)
1. Mfg: No Preference

Product: Dog Park Furnishings (Play Equipment)
1. Mfg: No Preference

Swimming Pools
Product: Pool Ladders
1. Mfg: No Preference

Product: Pool Handrails
1. Mfg: No Preference

Product: Diving Boards
1. Mfg: No Preference

Product: ADA Chair Lifts
1. Mfg: No Preference

Product: Emergency Trauma Kits
1. Mfg: First Aid Trauma Kit
   Model: FAK-TRMK-1, National Safety Compliance (Vendor)
   Color: Orange
   Finish: www.OSHA-safety-training.net
2. Mfg: Sports First Aid Kit
   Model: FAK/Sports – EMS Safety Services (Vendor)
   Color: Orange
   Finish: www.emssafetyservices.com
3. Mfg: First Responder Kit
   Model: VRG-999207N (Vendor)
   Color: Blue
   Finish: www.firstaidmart.com
4. Mfg: First Responder Kit
   Model: VRG-999207 (Vendor)
   Color: Orange
   Finish: www.firstaidmart.com

Product: Swim Lane Cords
1. Mfg: Sheridan Storage Reel
   Model: 55525-00 Sheridan
   Color: Stainless Steel
   Finish: www.panell.com
2. Mfg: Simple Storage Reel
   Model: 51-002
   Color: Stainless Steel
   Finish: www.panell.com
3. Mfg: Stainless Storage Reel
   Model: (Vendor)
   Color: Stainless Steel
   Finish: www.panell.com
4. Mfg: Antiwave Pool Products
   Model: Antiwave – 25 yards
   Color: Blue and white
   Finish: www.lincolnequipment.com
5. Mfg: Antiwave – 50 meter
   Model: Antiwave Pool Products
   Color: Red and white
   Finish: www.lincolnequipment.com

Product: Pool Deck Lighting
1. Mfg: No Preference

Product: Pool Lighting
1. Mfg: Pentair Water
   Model: IntelliBrite White LED, 5g, 120v, 500w
   Color: Stainless Steel
   Finish: Stainless Steel
2. Mfg: Pentair Water
   Model: 120v, 300w Incandescent
   Color: Stainless Steel
   Finish: Stainless Steel

Product: Electronic Scoreboard
1. Mfg: Colorado Time Systems
   Model: SY56
   Color: 
   Finish: www.coloradotime.com

Product: Markers
1. Mfg: No Preference
Product: Buoys
1. Mfg: No Preference

Product: Regulatory Signage
1. Mfg: “Maximum Pool Capacity”
   Model: “Emergency Action Plan”
   Color: “Authorized Personnel Only”
   Finish: “Emergency Call 9-911”
2. Mfg: “First Aid and Oxygen”
   Model: “Hazardous Material”
   Color: “No Diving”
   Finish: “No Lifeguard On Duty”
3. Mfg: “CPR”
   Model: “Emergency Shut Off Switch”
   Color: “Keep Closed”
   Finish: “Diarrhea Notice”
4. Mfg: *All signs to be fabricated by DPR Sign Shop
   Model: DPR Sign Shop
   Color: DPR Sign Shop
   Finish: DPR Sign Shop

Product: Information Signage
1. Mfg: “Swimsuit Required”
   Model: DPR Sign Shop
   Color: DPR Sign Shop
   Finish: DPR Sign Shop
   Model: DPR Sign Shop
   Color: DPR Sign Shop
   Finish: DPR Sign Shop
3. Mfg: “No Street Clothes on Deck”
   Model: DPR Sign Shop
   Color: DPR Sign Shop
   Finish: DPR Sign Shop
   Model: DPR Sign Shop
   Color: DPR Sign Shop
   Finish: DPR Sign Shop

Product: Directional Signage
1. Mfg: No Preference

Product: Pool Cover
1. Mfg: No Preference

3.1.2.6 LANDSCAPING
Planted Areas
Product: Organic Mulch
1. Mfg: Ag Organics
   Model: 
   Color: 
   Finish: 
2. Mfg: Whittier Fertilizer
   Model: Medium Bark
   Color: 
   Finish: 

Product: Metal Trellis
1. Mfg: No Preference

Product: Root Barriers
1. Mfg: No Preference

Product: Tree Stakes
1. Mfg: No Preference

Product: Tree Guards
1. Mfg: No Preference

Irrigation
Product: Low Volume Irrigation Equipment
1. Mfg: No Preference

Product: Flow Sensor
1. Mfg: Rain Bird
   Model: Maxicom MDC2
   Color: Black
   Finish: Plastic
2. Mfg: Rain Bird
   Model: F53508
   Color: Black
   Finish: Plastic
Product: Master Valve
1. Mfg: Rainbird
   Model: 2” and JP
   Color: 
   Finish: 
2. Mfg: Griswold
   Model: Up to 3”
   Color: 
   Finish: 
3. Mfg: Cla-Valve
   Model: Up to 4”
   Color: 
   Finish: 

Product: Backflow Prevention Device
1. Mfg: Watts
   Model: 909
   Color: Brass OR
   Finish: Epoxy
2. Mfg: Wilkins
   Model: 375
   Color: 
   Finish: Epoxy

Product: Backflow Device Lockable Enclosure
1. Mfg: Cold Rolled Steel
   Model: BL-30 6R
   Color: Green
   Finish: Powder Coat
2. Mfg: Guard Shack
   Model: 33010135
   Color: Green
   Finish: Powder Coat

Product: Pressure Regulator
1. Mfg: CLA-VAL
   Model: 100-01
   Color: Cast Iron
   Finish: Epoxy
2. Mfg: Wilkins
   Model: 2W109
   Color: 
   Finish: Epoxy

Product: Variable-Frequency Drive Pumps & Motors
1. Mfg: No Preference

Product: Manual Control Valves (gate or globe)
1. Mfg: NIBCO
   Model: T-113
   Color: 
   Finish: Brass
2. Mfg: Kennedy
   Model: KS-FW
   Color: Orange
   Finish: Epoxy

Product: Remote Control Valves
1. Mfg: Rainbird
   Model: GB
   Color: Brass
   Finish: 
2. Mfg: Rainbird
   Model: GBR
   Color: Brass
   Finish: 

Product: Check Valves (anti-drain valves)
1. Mfg: King-Bros
   Model: CV 300
   Color: Black
   Finish: Plastic

Product: Quick Couplers
1. Mfg: Rainbird
   Model: 33-DRC
   Color: Brass
   Finish: 

Product: Valve Boxes (traffic & non-traffic)
1. Mfg: Christy-Concrete
   Model: B-9
   Color: 
   Finish: Concrete
2. Mfg: Carson
   Model: 1419
   Color: Green
   Finish: Plastic
3. Mfg: Rainbird
   Model: VB-STD
   Color: Green
   Finish: Plastic
Product: Valve Box Covers (reclaimed water control valves)
1. Mfg: Rain Bird  
   Model: VB-5TDP  
   Color: Black Body  
   Finish: Purple Lid  
2. Mfg: Rain Bird  
   Model: 7” Round VB-7RND  
   Color: Black Body  
   Finish: Purple Lid

Product: Weather Based Irrigation Controller
1. Mfg: No Preference

Product: Sensors (rain, wind, etc.)
1. Mfg: Rainbird  
   Model: WS-PRO@-PH5  
   Color:  
   Finish: Stainless Steel

Product: Spray Heads (Rotor)
1. Mfg: Rain Bird  
   Model: 5500, 7005, 8005 SS  
   Color: Stainless Steel Riser  
   Finish: Black

Product: Spray Heads (Fixed)
1. Mfg: Rain Bird  
   Model: 1804, 1806, 1812 (SAM)  
   Color: Black  
   Finish:  
2. Mfg: Rain Bird  
   Model: 15Q, 15F, 15H, 15T, 15TT  
   Color:  
   Finish:  
3. Mfg: Rain Bird  
   Model: 12Q, 12F, 12H, 15T, 15TT  
   Color:  
   Finish:  
4. Mfg: Rain Bird  
   Model: 10Q, 10F, 10H, 10T, 10TT  
   Color:  
   Finish:  
5. Mfg: Rain Bird  
   Model: 8Q, 8H, 8T, 8TT  
   Color:  
   Finish:  

Product: Spray Heads (Stream Spray)
1. Mfg: Rain Bird  
   Color: Black  
   Finish:  
2. Mfg: Rain Bird  
   Color: Yellow  
   Finish:  

Product: Bubblers
1. Mfg: No Preference
3.1.2.7 STORM WATER MANAGEMENT

Grading and Drainage

Product: Sediment Traps (gabion cages)
1. Mfg: No Preference

Product: Play Area Sump
1. Mfg: No Preference

Product: Drop Inlets (catch basin)

Traffic and Non-Traffic Covers
1. Mfg: No Preference

Product: Atrium Drains
1. Mfg: No Preference

LID Site Design Strategies

PARKING LOT DRAINAGE

Product: Catch Basin with Filter
1. Mfg: No Preference

3.1.2.8 UTILITIES

New Electrical and Lighting Utility Design

Product: Electrical Panels
1. Mfg: No Preference

Product: Exterior Receptacles
1. Mfg: No Preference

Product: In-ground Concrete Junction Box
1. Mfg: No Preference

Product: Interior Restroom Movement Sensors
1. Mfg: Watt Stopper
   Model:
   Color:
   Finish:

Product: Solar Lighting (Bollards)
1. Mfg: No Preference

Product: Solar Lighting (Security)
1. Mfg: No Preference

Product: Solar Lighting (Parking)
1. Mfg: No Preference

Product: Solar Lighting (Recreation)
1. Mfg: No Preference
Security Lighting

Product: Parking Lot Standards
1. Mfg: GE 454641.ies (ERS2)
   Model: HXCX
   Color: Gray
   Finish: Polyester Powder Painted
2. Mfg: GE
   Model: EASM-E3,57,A
   Color: DKBZ
   Finish: Polyester Powder Painted
3. Mfg: GE
   Model: EAMM-M3-57-A
   Color: DKBZ
   Finish: Polyester Powder Painted

Product: Walkway Light Standards
1. Mfg: No Preference

Product: Building Wall Units
1. Mfg: GE
   Model: Evolve LED, EWSW
   Color: Dark Bronze
   Finish: Polyester Powder Painted
2. Mfg: RAB
   Model: Bronze
   Finish: Die Cast Bronze
3. Mfg: Hubbell
   Model: PGM3-30LU-5k-BZ
   Color: Dark Bronze Powder Painted
   Finish: Die Cast Aluminum

Recreational Field Lighting

Product: Ball Field Lighting
1. Mfg: Monterey Lighting
   Model: 100w Metal Halide
   Color: 
   Finish: 
2. Mfg: Musco Lighting
   Model: 1500w
   Color: 
   Finish: 

Product: Soccer Field Lighting
1. Mfg: Monterey Lighting
   Model: LED 750w
   Color: 
   Finish: 
2. Mfg: Monterey Lighting
   Model: Metal Halide 1000w
   Color: 
   Finish: 
3. Mfg: Musco Lighting
   Model: 1500w
   Color: 
   Finish: 
4. Mfg: Musco Lighting
   Model: 1000w
   Color: 
   Finish: 

HVAC

Product: HVAC System
1. Mfg: No Preference

Telecommunication Systems

Product: System Equipment
1. Mfg: Carrier
   Model: 48 TC “WeatherMaker”
   Color: Grey
   Finish: Package Unit (roof top)
2. Mfg: York (in main office)
   Model: H2RD Series
   Color: Brown
   Finish: Split System
3. Mfg: Friedrich
   Model: SS12M10
   Color: Grey/Black
   Finish: Window Mounting
4. Mfg: York (heat pump)
   Model: XP120 Series
   Color: Brown
   Finish: Package Unit (roof top)
5. Mfg: Carrier
   Model: 38HDR060-321
   Color: Grey
   Finish: Split Mounted (vertical), Split System
Smoke/Fire Detection Systems

Product: Fire Alarm System

1. Mfg: Notifier
   Model:
   Color:
   Finish:

2. Mfg: Radionics
   Model:
   Color:
   Finish:

Product: Smoke Detection System

1. Mfg: No Preference

Product: Water Flow Alarms

1. Mfg: No Preference
3.1.3 North County Community Services Agency

3.1.3.1 SPATIAL ORGANIZATION

Security and Safety

Product: Security Cameras (monitoring system)
1. Mfg: No Preference

Product: Window Guards
1. Mfg: No Preference

Product: Knox Box
1. Mfg: No Preference

3.1.3.2 BUILDINGS

Restroom Buildings

Product: Exterior Lighting
1. Mfg: Kenall Herculux
   Model: H69D (5000) Wall Mount
   Color: Finish:

2. Mfg: Kenall Herculux
   Model: H99D (5300) Ceiling Mount
   Color: Finish:

3. Mfg: Appalachian Lighting System
   Model: WP1 Wall Mount
   Color: Finish:

4. Mfg: Appalachian Lighting System
   Model: CL Canopy Mount
   Color: Finish:

Product: Doors and Hardware
1. Mfg: Yale
   Model: 8800 Series AUR Augusta
   Color: Stainless Steel
   Finish:

2. Mfg: Yale
   Model: 8805 Series Storeroom (F07)
   Color: Stainless Steel
   Finish:

Product: Sinks
1. Mfg: American Standard
   Model: 0356.115
   Color: White
   Finish:

2. Mfg: Chicago Faucets
   Model: 807-665PSH
   Color: Finish:
### Product: Toilets
1. Mfg: American Standard  
   Model: 2294.011  
   Color: White  
   Finish:  
2. Mfg: Sloan Royal Flush Valve  
   Model: 110 or 111  
   Color: Low Consumption  
   Finish:  

### Product: Urinals (standard and waterless)
1. Mfg: American Standard  
   Model: 6501.010  
   Color: White  
   Finish:  
2. Mfg: Sloan Royal Flush Valve  
   Model: 186-1  
   Color:  
   Finish:  

### Product: Hand Dryers
1. Mfg: Xlerator Hand Dryers  
   Model: XL-SB  
   Color:  
   Finish: Stainless Steel Brushed  

### Product: Drinking Fountains (wall mounted)
1. Mfg: Haws Corporation  
   Model: 1025  
   Color: Dark Green  
   Finish:  

### Product: Mirrors
1. Mfg: Meek  
   Model: M5300 Snap Frame  
   Color:  
   Finish: Stainless Steel  

### Product: Soap Dispenser
1. Mfg: Maintex  
   Model: 2324065  
   Color: White  
   Finish:  

### Product: Toilet Seat Cover Dispensers
1. Mfg: Health Guards  
   Model:  
   Color:  
   Finish:  

### Product: Toilet Paper Dispensers
1. Mfg: Royce Rolls Ringer Co.  
   Model: TP-2  
   Color:  
   Finish: Stainless Steel  

### Product: ADA Grab Bars
1. Mfg: Bobrick  
   Model: B-6806  
   Color:  
   Finish:  

### Product: Floor Drain
1. Mfg: No Preference  

### Product: CMU Block – Colored Split Face
1. Mfg: No Preference  

### Product: CMU Block – Burnished
1. Mfg:  

### Gymnasium Buildings
#### Product: Bleachers (Temporary Bleachers)
1. Mfg: No Preference  
#### Product: Bleachers (Retractable Bleachers)
1. Mfg: Maxima Telescopic Seating  
   Model:  
   Color:  
   Finish:  

### Product: Scoreboard
1. Mfg: Fair-Play by Trans  
   Model: MP-70/50  
   Color:  
   Finish:  

---

Park Design Guidelines  
and Standards  
County of Los Angeles Department of Parks and Recreation
Product: Basketball Standards
   Model: 3207-25RA, 3107-25RA, LXP4200 & 2500, PMCE, 1194, 1100, and 1131
   Color:
   Finish:

Product: Wall Padding
1. Mfg: Promats Athletics
   Model: 4110-STD & 4196-23-00
   Color:
   Finish:

Product: Wood Flooring
1. Mfg: No Preference

Product: Drinking Fountain (wall mounted)
1. Mfg: Haws Corporation
   Model: 1025
   Color: Dark Green
   Finish:

Product: Doors & Hardware
1. Mfg: No Preference

Product: Interior Lights
1. Mfg: No Preference

Product: Windows
1. Mfg: No Preference

Product: Exercise Room Flooring
1. Mfg: No Preference

Product: Exercise Room Equipment
1. Mfg: No Preference

Product: HVAC System
1. Mfg: No Preference

Product: Fire Sprinklers
1. Mfg: No Preference

Product: Stage Lift
1. Mfg: No Preference

Product: Dressing Room Mirrors
1. Mfg: No Preference

Product: Dressing Room Lockers
1. Mfg: No Preference

Product: Dressing Room Bench/Seating
1. Mfg: No Preference

Product: Dressing Room Counter
1. Mfg: No Preference

Product: Stage Lighting
1. Mfg: No Preference

Product: Stage Curtain
1. Mfg: No Preference

Product: Storage Room Shelving
1. Mfg: No Preference

Product: Telephone System
1. Mfg: No Preference

Product: Public Address System - Speakers
1. Mfg: No Preference

Product: Office Furniture
1. Mfg: No Preference

Community Buildings
Product: Room Partitions
1. Mfg: No Preference
**Product: Folding/Stacking Chairs**

1. Mfg: Herman Miller  
Model: Air-Chair  
Color: [www.hermanmiller.com](http://www.hermanmiller.com)  
Finish:  

2. Mfg: Herman Miller  
Model: Folding Air-Chair  
Color:  
Finish:  

3. Mfg: Herman Miller  
Model: Troy Chair  
Color:  
Finish:  

4. Mfg: Herman Miller  
Model: Branca Chair  
Color:  
Finish:  

5. Mfg: Paragon Inc.  
Model: 3508-18  
Color: [www.paragon-inc.com](http://www.paragon-inc.com)  
Finish:  

**Product: Classroom Tables**

1. Mfg: Paragon Inc.  
Model: NEST-IT  
Color:  
Finish: Low Emitting Products  

Model: TLEG-IT  
Color:  
Finish: Low Emitting Products  

3. Mfg: Midwest  
Model: Cantilever TL Leg Training Table  
Color:  
Finish:  

4. Mfg: Smith System  
Model: Planner Activity Table  
Color:  
Finish:  

5. Mfg: Virco  
Model: 4000 Series Activity Tables  
Color:  
Finish:  

**Product: Flooring**

1. Mfg: Go Green Flooring  
Model: Bamboo  
Color: [www.gogreenflooring.com](http://www.gogreenflooring.com)  
Finish:  

2. Mfg: USFloors  
Model: Cork  
Color: [www.usfloorsllc.com](http://www.usfloorsllc.com)  
Finish:  

3. Mfg: Armstrong  
Model: Linoleum  
Color: [www.armstrong.com](http://www.armstrong.com)  
Finish:  

4. Mfg: Signature Sports Flooring  
Model: Recycled Rubber  
Color: [www.signaturesportsflooring.com](http://www.signaturesportsflooring.com)  
Finish:  

5. Mfg: FSC Certified  
Model: Reclaimed/Recycled Hardwoods  
Color: [http://us.fsc.org](http://us.fsc.org)  
Finish:  

**Product: Blackboard/Whiteboard**

1. Mfg: Balt  
Model: 2H2NA Markerboard  
Color: [www.moorecoinc.com](http://www.moorecoinc.com)  
Finish:  

2. Mfg: VividBoard  
Model: Custom Whiteboards  
Color: [www.vividboard.com](http://www.vividboard.com)  
Finish:  

**Product: Bulletin Boards/Pin Boards**

1. Mfg: Balt  
Model: E300PB Cork Board  
Color: [www.moorecoinc.com](http://www.moorecoinc.com)  
Finish:  

2. Mfg: Jayhawk Plastics  
Model: Message Boards  
Color:  
Finish: 
### Product: Audio Visual Equipment - Screens

1. **Mfg:** Draper Audio Visual Products  
   **Model:** Ecomatt  
   **Color:** [www.draperinc.com](http://www.draperinc.com)  
   **Finish:**

2. **Mfg:** Da-Lite  
   **Model:** Multiple products  
   **Color:** [www.da-lite.com](http://www.da-lite.com)  
   **Finish:**

### Product: Audio Visual Equipment - Electronic Equipment

1. **Mfg:** EPEAT-registered electronics  
   **Model:** Electronic Product Environmental Assessment Tool  
   **Color:** [www.epeat.net](http://www.epeat.net)  
   **Finish:**

2. **Mfg:** EPA Product Stewardship  
   **Model:**  
   **Color:** [www.epa.gov](http://www.epa.gov)  
   **Finish:**

### Product: Staff Offices - Office Equipment

1. **Mfg:** Thegreenoffice  
   **Model:**  
   **Color:** [www.thegreenoffice.com](http://www.thegreenoffice.com)  
   **Finish:**

2. **Mfg:** US Small Business Administration  
   **Model:** Energy Efficiency  
   **Color:** [www.sba.gov](http://www.sba.gov)  
   **Finish:**

3. **Mfg:** Herman Miller  
   **Model:** various  
   **Color:**  
   **Finish:**

4. **Mfg:** National Office Furniture  
   **Model:**  
   **Color:** [www.nationalofficefurniture.com](http://www.nationalofficefurniture.com)  
   **Finish:**

### Product: Staff Offices - Desks

1. **Mfg:**  
   **Model:** Formaldehyde-free units made of solid wood responsibly harvested from managed forests  
   **Color:**  
   **Finish:** Low-VOC

### Product: Staff Offices - Cabinets

1. **Mfg:** Formaldehyde-free units made of solid wood responsibly harvested from managed forests  
   **Model:**  
   **Color:**  
   **Finish:** Low-VOC

### Product: Staff Offices - Storage

1. **Mfg:** Sanduskey Lee Corporation  
   **Model:** Greenguard Certified  
   **Color:** [www.sanduskycabinets.com](http://www.sanduskycabinets.com)  
   **Finish:**

2. **Mfg:** Steel Solutions USA  
   **Model:** Greenguard Certified  
   **Color:** [www.steelsolutionsusa.com](http://www.steelsolutionsusa.com)  
   **Finish:**

### Product: Staff Offices - Flooring

1. **Mfg:** Go Green Flooring  
   **Model:** Bamboo  
   **Color:** [www.gogreenflooring.com](http://www.gogreenflooring.com)  
   **Finish:**

2. **Mfg:** USFloors  
   **Model:** Cork  
   **Color:** [www.usfloorsllc.com](http://www.usfloorsllc.com)  
   **Finish:**

3. **Mfg:** Armstrong  
   **Model:** Linoleum  
   **Color:** [www.armstrong.com](http://www.armstrong.com)  
   **Finish:**

4. **Mfg:** Signature Sports Flooring  
   **Model:** Recycled Rubber  
   **Color:** [www.signaturesportsflooring.com](http://www.signaturesportsflooring.com)  
   **Finish:**

5. **Mfg:** FSC Certified  
   **Model:** Reclaimed/Recycled Hardwoods  
   **Color:** [http://us.fsc.org](http://us.fsc.org)  
   **Finish:** Go Green Flooring

### Product: Staff Offices - IT Services

1. **Mfg:** No Preference
Product: Staff Offices - Telephone Conference

Equipment - Speakers

1. Mfg: Green Electronics Council
   Model:
   Color: [www.greenelectronicscouncil.org]
   Finish:

2. Mfg: Electronic Product Environmental Assessment Tool
   Model:
   Color: [www.epeat.net]
   Finish:

Product: Reception Chairs

1. Mfg: Herman Miller
   Model: Various
   Color:
   Finish:

   Model: Greenguard certified
   Color: [www.chromcraftcontract.com]
   Finish:

Product: Janitor Room Shelving

1. Mfg: All-Green Janitorial Products
   Model: various
   Color: [www.All-greenjanitorialproducts.com]
   Finish:

2. Mfg: Green Seal Certified Products
   Model: various
   Color: [www.greenseal.org]
   Finish:

3. Mfg: Sustainable Supply
   Model: various
   Color: [www.sustainablesupply.com]
   Finish:

4. Mfg: Green Clean Institute
   Model:
   Color: [www.greencleaninstitute.com]
   Finish:

Product: Janitor Mop Sink

1. Mfg: Turbo Air
   Model: High Quality 304 Stainless Steel
   Color: Stainless
   Finish:

Product: Kitchen Appliances

1. Mfg: [www.energystar.gov]
   Model: Energy Star appliances
   Color:
   Finish:

Product: Counters

1. Mfg: EnviroGLAS
   Model: EnviroGLAS Terrazzo
   Color:
   Finish:

2. Mfg: Paperstone
   Model: Certified
   Color: [www.paperstoneproducts.com]
   Finish:

3. Mfg: Renewed Materials, LLC.
   Model: Alkemi
   Color: [www.alkemi.com]
   Finish:

4. Mfg: Ecoverings
   Model: Bio-Glass
   Color: [www.coveringsetc.com]
   Finish:

5. Mfg: IceStone
   Model: Recycled Glass Surfaces
   Color: [www.icestoneusa.com]
   Finish:

Product: Cabinets/Hardware

1. Mfg: Dwyer Products
   Model: Greenguard Certified
   Color: [www.dwyerproducts.com]
   Finish:

2. Mfg: Executive Cabinetry, LLC.
   Model:
   Color:
   Finish:
**Product: Fire Suppression**
1. Mfg: NFPA 750 Water-Mist System  
   Model:  
   Color:  
   Finish:  
   Model:  
   Color:  
   Finish:  
   Model:  
   Color:  
   Finish:  
   Model: LEED Certified  
   Color: [www.wsfp.com](http://www.wsfp.com)  
   Finish:  

**Product: Sinks**
1. Mfg: Eleek  
   Model: Recycled Materials  
   Color: [www.eleeking.com](http://www.eleeking.com)  
   Finish:  
2. Mfg: Recycled Aluminum  
   Model:  
   Color:  
   Finish:  
3. Mfg: Stainless Steel  
   Model:  
   Color:  
   Finish:  

**Product: HVAC System**
   Model:  
   Color:  
   Finish:  
2. Mfg: Energy Star  
   Model: SEER 14 or higher  
   Color:  
   Finish:  
3. Mfg: Trane  
   Model: EarthWise systems  
   Color: [www.trane.com](http://www.trane.com)  
   Finish:  

**Sports Field Concession Stand**

**Product: Kitchen Appliances**
1. Mfg: Stero – Dishwasher  
   Model: ST24 SERIES  
   Color:  
   Finish:  
2. Mfg: ACP – Microwave  
   Model: High performance Commercial  
   Color:  
   Finish:  
3. Mfg: True - Refrigerator  
   Model: T-35 Series  
   Color:  
   Finish:  
4. Mfg: Vulcan – Overn  
   Model: Endurance Wolf Challenger ITWFood Equipment Group  
   Color:  
   Finish:  

**Product: Counters**
1. Mfg: No Preference  

**Product: Cabinets/Hardware**
1. Mfg: No Preference  

**Product: Fire Suppression System**
1. Mfg: No Preference  

**Product: Floor Drain**
1. Mfg: No Preference  

**Product: Sinks**
1. Mfg: No Preference  

**Product: Service Windows**
1. Mfg: No Preference  

**Maintenance Buildings/Yards**

**Product: Gates**
1. Mfg: No Preference
Product: Cargo Containers
1. Mfg: Aztec Containers
   Model: www.azteccontainers.com
   Color: Finish:

Product: Storage Containers
1. Mfg: No Preference

Product: Restroom Equipment and Fixtures
1. Mfg: Bobrick
   Model: Bobrick Green
   Color: Finish:
   Model: www.bobrick.com

Product: Building Interior Equipment
1. Mfg: No Preference

Pool Buildings

Product: Exterior Lighting
1. Mfg: Philips - Gardco
   Model: Gullwing G18 & G13 Area Luminaires
   Color: Finish:
2. Mfg: Lithonia Lighting
   Model: VR1BH
   Color: Finish:
3. Mfg: Philips - Gardco
   Model: Designer Flood DF12-12” Diameter
   Color: Finish:
4. Mfg: Philips - Gardco
   Model: 100 Line – 107 Gullwing Sconce
   Color: Finish:

Product: Interior Lighting
1. Mfg: Kenall
   Model: NOVA II N1048 Series 7200
   Color: Finish:

Product: Doors and Hardware
1. Mfg: No Preference

Product: Sinks
1. Mfg: Zurn
   Model: AquaSense Sensor Faucets
   Color: Finish:

Product: Toilets
1. Mfg: No Preference

Product: Urinals (standard and waterless)
1. Mfg: Zurn
   Model: AquaSense AV Model
   Color: Finish:

Product: Hand Dryers
1. Mfg: No Preference

Product: Drinking fountains (wall mounted)
1. Mfg: No Preference

Product: Soap Dispenser
1. Mfg: Bobrick
   Model: Color: Finish:

Product: ADA Grab Bars
1. Mfg: Bobrick
   Model: Color: Finish:

Product: Floor Drain
1. Mfg: No Preference

Product: CMU Block - Colored Split Face
1. Mfg: No Preference
Product: CMU Block - Burnished
1. Mfg: No Preference

Product: Mirrors
1. Mfg: Bobrick
   Model:
   Color:
   Finish:

Product: Toilet Seat Cover Dispensers
1. Mfg: Bobrick
   Model:
   Color:
   Finish:

Product: Toilet Paper Dispensers
1. Mfg: Bobrick
   Model:
   Color:
   Finish:

Product: Dressing Room Benches
1. Mfg: No Preference

Product: Shower Fixtures
1. Mfg: Zurn
   Model:
   Color:
   Finish:

Product: Flooring
1. Mfg: No Preference

Product: Mechanical Equipment
1. Mfg: No Preference

Product: Signage
1. Mfg: No Preference

Product: HVAC System
1. Mfg: No Preference

Product: Water Heaters
1. Mfg: No Preference

3.1.3.3 PARKING LOTS

Product: Barrier Gates
1. Mfg: No Preference

Product: Paint Striping
1. Mfg: No Preference

Product: ADA Truncated Domes
1. Mfg: No Preference

Product: Bollards
1. Mfg: No Preference

Product: Wheel Stops
1. Mfg: No Preference

Product: Spike Strips
1. Mfg: No Preference

Product: Trash Enclosure (CMU/Split face block)
1. Mfg: No Preference

Product: Trash Enclosure Roof Material
1. Mfg: No Preference
3.1.3.4 CIRCULATION

Pedestrian

Product: Decomposed Granite
1. Mfg: No Preference

Product: Decomposed Granite Stabilized
1. Mfg: No Preference

Product: Permeable Pavers
1. Mfg: No Preference

Product: ADA Truncated Domes
1. Mfg: No Preference

Vehicular

Product: Emergency Vehicle Lane Access Barrier
1. Mfg: No Preference

Product: Speed Humps
1. Mfg: No Preference

Bicycle

See Park Furnishings

3.1.3.5 RECREATIONAL FACILITIES

Ball Fields

Product: Brick Dust
1. Mfg: No Preference

Product: Softball Backstop
1. Mfg: Tomark Sports
   Model: K13606
   Color: Finish: www.tomark.com

Product: Baseball Backstop
1. Mfg: Tomark Sports
   Model: K13606
   Color: Finish: www.tomark.com

Product: Chain Link Fence
1. Mfg: No Preference

Product: Bleachers (Metal and Wood)
1. Mfg: National Recreation Systems
   Model: www.bleachers.net
   Color: Finish: Aluminum or steel

Product: Bleachers (Aluminum)
1. Mfg: Tomark Sports
   Model: www.tomark.com
   Color: Finish:
2. Mfg: National Recreation Systems
   Model: www.bleachers.net
   Color: Finish:

Product: Shade Covers for Dugouts
1. Mfg: USA Shade
   Model: County Vendor
   Color: Finish:
Product: Shade Covers for Bleachers
1. Mfg: USA Shade
   Model: County Vendor
   Color: Finish:

Product: Bat Racks
1. Mfg: Tomark Sports
   Model: K10997 In-ground
   Color: Finish: www.tomark.com
2. Mfg: Tomark Sports
   Model: K10998 Surface-mount
   Color: Finish: www.tomark.com

Product: Player Benches
1. Mfg: National Recreation Systems
   Model: PB
   Color: Finish: www.bleachers.net

Product: Bases
1. Mfg: Tomark Sports
   Model: K10244
   Color: Finish: www.tomark.com

Product: Batting Cages
1. Mfg: Tomark Sports
   Model: K10996
   Color: Finish: www.tomark.com

Product: Scoreboard
1. Mfg: Daktronics
   Model: BA-2029
   Color: Finish: www.daktronics.com

Product: Foul Ball Poles
1. Mfg: Tomark Sports
   Model: PRO30-13
   Color: Finish: www.tomark.com

Product: Outfield fencing with Cap Padding
1. Mfg: Tomark Sports
   Model: K14065
   Color: TBD
   Finish: www.tomark.com

Product: Pole Padding
1. Mfg: Tomark Sports
   Model: K14065
   Color: TBD
   Finish: www.tomark.com
2. Mfg: Beacon Athletics
   Model: Color: Finish: www.beaconathletics.com

Product: Drinking Fountains
1. Mfg: HAWWS
   Model: Color: Finish:

Sports Fields

SOCcer and Multi-use Courts

Product: Scoreboard
1. Mfg: Daktronics
   Model: SO-2008-R/A w/ LED
   Color: Finish: www.daktronics.com
2. Mfg: National Recreation System
   Model: Color: Finish: www.bleachers.net

Product: Bleachers
1. Mfg: Tomark Sports
   Model: Color: Finish: www.tomark.com

Product: Player Benches
1. Mfg: National Recreation Systems
   Model: Color: Finish: www.bleachers.net
Product: Field Lighting Pole Padding
1. Mfg: Beacon Athletics
   Model: 
   Color: 
   Finish: www.beaconathletics.com

Product: Drinking Fountains
1. Mfg: HAWWS
   Model: 
   Color: 
   Finish: 

Sports Courts

BASKETBALL

Product: Pole and Backboard
   Model: 90950-000 w/annual height adjuster
   Color: 
   Finish: www.porterathletic.com

Product: Spectator Bleachers
1. Mfg: Tomark Sports
   Model: 
   Color: 
   Finish: www.tomark.com
2. Mfg: National Recreation Systems
   Model: 
   Color: 
   Finish: www.bleachers.net

Product: Player Benches
1. Mfg: National Recreation Systems
   Model: 
   Color: 
   Finish: www.bleachers.net
2. Mfg: 
   Model: 
   Color: 
   Finish: 

Product: Wrestling Equipment
1. Mfg: Mat Hoist-Porter Athletics
   Model: 91102-200
   Color: 
   Finish: www.porterathletic.com

Product: Wrestling Mat
1. Mfg: Wrestling Mat-Resilite
   Model: Liteweight Mat
   Color: 
   Finish: www.resilite.com

Product: Basketball Court Lighting
1. Mfg: Musco Lighting
   Model: 
   Color: 
   Finish: www.musco.com

Product: Indoor Basketball Scoreboard
1. Mfg: Daktronics
   Model: BB-2101-13
   Color: 
   Finish: www.daktronics.com
   Shot Clock: Daktronics
   Model: BB-2114-13
   Color: 
   Finish: 

TENNIS COURTS

Product: Fence Screen
1. Mfg: No Preference
   Model: 
   Color: 
   Finish: 

Product: Poles and Net
1. Mfg: Tomark Sports
   Model: K42493
   Color: 
   Finish: www.tomark.com

Product: Court Surfacing
1. Mfg: Malibu Pacific Tennis Courts
   Model: Plexipave Acrylic Court Surfacing System
   Color: 
   Finish: County Vendor
<table>
<thead>
<tr>
<th>Product: Tennis Court Lighting</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Mfg:  Musco</td>
</tr>
<tr>
<td>Model:</td>
</tr>
<tr>
<td>Color:</td>
</tr>
<tr>
<td>Finish:</td>
</tr>
</tbody>
</table>

**VOLLEYBALL**

<table>
<thead>
<tr>
<th>Product: Steel Poles</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Mfg:  Tomark Sports</td>
</tr>
<tr>
<td>Model:   K72355</td>
</tr>
<tr>
<td>Color:</td>
</tr>
<tr>
<td>Finish:  <a href="http://www.tomark.com">www.tomark.com</a></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product: Net</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Mfg:  Tomark Sports</td>
</tr>
<tr>
<td>Model: SENOH HM-50 net system</td>
</tr>
<tr>
<td>Color:</td>
</tr>
<tr>
<td>Finish:  <a href="http://www.tomark.com">www.tomark.com</a></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product: Court Rope Lines</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Mfg:  Volleyball USA</td>
</tr>
<tr>
<td>Model:  2” Pro Adjustable Lines</td>
</tr>
<tr>
<td>Color:  TBD</td>
</tr>
<tr>
<td>Finish:  <a href="http://www.volleyballusa.com">www.volleyballusa.com</a></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product: Spectator Benches</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Mfg:  Tomark Sports</td>
</tr>
<tr>
<td>Model:</td>
</tr>
<tr>
<td>Color:</td>
</tr>
<tr>
<td>Finish:  <a href="http://www.tomark.com">www.tomark.com</a></td>
</tr>
<tr>
<td>2. Mfg:  National Recreation Systems</td>
</tr>
<tr>
<td>Model:</td>
</tr>
<tr>
<td>Color:</td>
</tr>
<tr>
<td>Finish:  <a href="http://www.bleachers.net">www.bleachers.net</a></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product: Sand</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Mfg:  Use washed masonry sand or equal (for texture)</td>
</tr>
<tr>
<td>Model:</td>
</tr>
<tr>
<td>Color:</td>
</tr>
<tr>
<td>Finish:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product: Volleyball Court Lighting</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Mfg:  Musco</td>
</tr>
<tr>
<td>Model:</td>
</tr>
<tr>
<td>Color:</td>
</tr>
<tr>
<td>Finish:  <a href="http://www.musco.com">www.musco.com</a></td>
</tr>
</tbody>
</table>

**Extreme Sports**

<table>
<thead>
<tr>
<th>SKATE PARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product: On-Grade Skate Elements</td>
</tr>
<tr>
<td>1. Mfg:  Spohn Ranch</td>
</tr>
<tr>
<td>Model:</td>
</tr>
<tr>
<td>Color:</td>
</tr>
<tr>
<td>Finish:  <a href="http://www.spohnranch.com">www.spohnranch.com</a></td>
</tr>
<tr>
<td>2. Mfg:  American Ramp Company</td>
</tr>
<tr>
<td>Model:</td>
</tr>
<tr>
<td>Color:</td>
</tr>
<tr>
<td>Finish:  <a href="http://www.americanrampcompany.com">www.americanrampcompany.com</a></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product: Spectator Bleachers</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Mfg:  Tomark Sports</td>
</tr>
<tr>
<td>Model:</td>
</tr>
<tr>
<td>Color:</td>
</tr>
<tr>
<td>Finish:  <a href="http://www.tomark.com">www.tomark.com</a></td>
</tr>
<tr>
<td>2. Mfg:  National Recreation Systems</td>
</tr>
<tr>
<td>Model:</td>
</tr>
<tr>
<td>Color:</td>
</tr>
<tr>
<td>Finish:  <a href="http://www.bleachers.net">www.bleachers.net</a></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product: Benches</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Mfg:  National Recreation Systems</td>
</tr>
<tr>
<td>Model:  DGS</td>
</tr>
<tr>
<td>Color:</td>
</tr>
<tr>
<td>Finish:  <a href="http://www.bleachers.net">www.bleachers.net</a></td>
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<th>Product: Benches</th>
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<tr>
<td>1. Mfg:  National Recreation Systems</td>
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<tr>
<td>Model:  DGS</td>
</tr>
<tr>
<td>Color:</td>
</tr>
<tr>
<td>Finish:  <a href="http://www.bleachers.net">www.bleachers.net</a></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product: Decorative Fencing</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Mfg:  Ameristar</td>
</tr>
<tr>
<td>Model:</td>
</tr>
<tr>
<td>Color:</td>
</tr>
<tr>
<td>Finish:  <a href="http://www.ameristarfence.com">www.ameristarfence.com</a></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product: Sport Lighting</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Mfg:  Musco</td>
</tr>
<tr>
<td>Model:</td>
</tr>
<tr>
<td>Color:</td>
</tr>
<tr>
<td>Finish:  <a href="http://www.musco.com">www.musco.com</a></td>
</tr>
</tbody>
</table>
Active Recreation Amenities

FITNESS ZONES

Product: Exercise Equipment
1. Mfg: Greefield Sports Parks Inc
   Model: Varies
   Color: 
   Finish: 

Product: Surface Material
1. Mfg: No Preference

Product: Enclosure Pit Edge
1. Mfg: No Preference

HORSESHOE PITS

Product: Horseshoe Stakes
1. Mfg: No Preference

Children's Play Areas

Product: Play Equipment Components
1. Mfg: Miracle Playground
   Model: Varies
   Color: 
   Finish: 
2. Mfg: Landscape Structures
   Model: Varies
   Color: 
   Finish: 
3. Mfg: GameTime
   Model: Varies
   Color: 
   Finish: 

Product: Climbing Boulders or Animal Sculptures
1. Mfg: Miracle Playground
   Model: Varies
   Color: 
   Finish: 
2. Mfg: Landscape Structure
   Model: Varies
   Color: 
   Finish: 

Product: Decorative Fencing
1. Mfg: No Preference

Product: Engineered Wood Fiber Surfacing
1. Mfg: Recycled Wood Products
   Model: 
   Color: 
   Finish: 
2. Mfg: ABCO Development
   Model: 
   Color: 
   Finish: 

Product: Rubber Tile Surfacing
1. Mfg: No Preference

Product: Poured In Place Surfacing
1. Mfg: No Preference

Product: Shade Sails
1. Mfg: USA Shade Structures
   Model: 
   Color: 
   Finish: 

Splash Pads

Product: Spray Elements
1. Mfg: Vortex
   Model: 
   Color: 
   Finish: 
2. Mfg: Water Play Solutions
   Model: 
   Color: 
   Finish: 
Product: Concrete Coloring
1. Mfg: Colorful Admixtures Inc
   Model: 
   Color:Varies
   Finish: 
2. Mfg: Davis Colors
   Model: 
   Color:Varies
   Finish: 

Product: Shade Sails
1. Mfg: USA Shade Structures
   Model: 
   Color: 
   Finish: 

Product: Seat Wall
1. Mfg: No Preference

Product: Mechanical Equipment Enclosure
1. Mfg: No Preference

Passive Recreation Areas

GROUP PICNIC AREAS

Product: Shade Shelter
1. Mfg: Ortco, Inc.
   Model: 
   Color: 
   Finish: 
2. Mfg: Poligon Park Architecture
   Model: Varies
   Color: 
   Finish: 

Product: Picnic Area Name or Identification

Number Signs
1. Mfg: No Preference
   Model: 
   Color: 
   Finish: 

INDIVIDUAL PICNIC AREAS

Product: Shade Shelter
1. Mfg: Poligon Park Architecture
   Model: 
   Color: 
   Finish: 

Park Furnishings

Product: Picnic Tables
1. Mfg: Outdoor Creations
   Model: Model #109 w/ADA Companion Seating
   Color: 
   Finish: Concrete

Product: Benches
1. Mfg: Outdoor Creations
   Model: 
   Color: 
   Finish: 

Product: Drinking Fountains
1. Mfg: No Preference

Product: Bicycle Racks
1. Mfg: Innovative Playgrounds
   Model: 
   Color: 
   Finish: 
2. Mfg: L.A. Steel
   Model: 
   Color: 
   Finish: 
3. Mfg: Burke
   Model: 
   Color: 
   Finish: 
4. Mfg: Miracle Playgrounds
   Model: 
   Color: 
   Finish:
### Product: Bicycle Storage

1. **Mfg:** Innovative Playgrounds  
   - Model:  
   - Color:  
   - Finish:  

2. **Mfg:** L.A. Steel  
   - Model:  
   - Color:  
   - Finish:  

3. **Mfg:** Burke  
   - Model:  
   - Color:  
   - Finish:  

4. **Mfg:** Miracle Playgrounds  
   - Model:  
   - Color:  
   - Finish:  

### Product: Trash Receptacles

1. **Mfg:** Innovative Playgrounds  
   - Model:  
   - Color:  
   - Finish:  

2. **Mfg:** L.A. Steel  
   - Model:  
   - Color:  
   - Finish:  

3. **Mfg:** Burke  
   - Model:  
   - Color:  
   - Finish:  

4. **Mfg:** Miracle Playgrounds  
   - Model:  
   - Color:  
   - Finish:  

### Product: Hot Coal Receptacles

1. **Mfg:** Innovative Playgrounds  
   - Model:  
   - Color:  
   - Finish:  

2. **Mfg:** L.A. Steel  
   - Model:  
   - Color:  
   - Finish:  

3. **Mfg:** Burke  
   - Model:  
   - Color:  
   - Finish:  

4. **Mfg:** Miracle Playgrounds  
   - Model:  
   - Color:  
   - Finish:  

### Product: Barbeque Grills

1. **Mfg:** R.J. Thomas  
   - Color:  
   - Finish:  

### Product: Park Signage

1. **Mfg:** No Preference

### Product: Security Light Fixtures

1. **Mfg:** Kendall  
   - Model:  
   - Color:  
   - Finish:  

2. **Mfg:** Herculux  
   - Model:  
   - Color:  
   - Finish:  

### Product: Seat Wall Anti-Skateboard Guards

1. **Mfg:** Skate Stoppers  
   - Model:  
   - Color: Varies  
   - Finish:  

---

Park Design Guidelines and Standards  
County of Los Angeles Department of Parks and Recreation
Product: Ball Field Equipment Storage Containers
1. Mfg: No Preference
   Model: 
   Color: 
   Finish: 

Product: Ball Field Maintenance Equipment Containers
1. Mfg: Aztec Containers
   Model: Varies
   Color: 
   Finish: 

Product: Park Signage
1. Mfg: No Preference

Product: Park Identification Signs
1. Mfg: No Preference

Product: Park Direction Signs
1. Mfg: No Preference

Product: Fencing
1. Mfg: No Preference

Product: Chain Link Fencing
1. Mfg: No Preference

Product: Steel Picket Fencing
1. Mfg: No Preference

Product: Dog Park Furnishing (Drinking Station)
1. Mfg: No Preference

Product: Dog Park Furnishings (Waste Bag Station)
1. Mfg: No Preference

Product: Dog Park Furnishings (Leash Post)
1. Mfg: No Preference

Product: Dog Park Furnishings (Play Equipment)
1. Mfg: No Preference

Swimming Pools

Product: Pool Ladders
1. Mfg: Recessed Steps - Spectrum
   Model: 23450 Stainless Steel
   Color: 
   Finish: 
2. Mfg: Pool Ladders are built into the wall as Recessed Steps
   Model: Recessed Steps - KDI Paragon
   Color: 32102 Stainless Steel
   Finish: 

Product: Pool Handrails
1. Mfg: Spectrum
   Model: Varies
   Color: 
   Finish: 
2. Mfg: KDI Paragon
   Model: Varies
   Color: 
   Finish: 

Product: Diving Boards
1. Mfg: Durafirm One-Meter Diving Stand
   Model: #66-231-326
   Color: 
   Finish: 

Product: ADA Chair Lifts
1. Mfg: Spectrum Swin-Lift Series
   Model: Traveler, II XRC500
   Color: 
   Finish: 

Product: Emergency Trauma Kits
1. Mfg: No Preference

Product: Swim Lane Cords
1. Mfg: Anti-Wave
   Model: Fourerunner
   Color: 
   Finish: 
Product: Pool Deck Lighting
1. Mfg: Philips Gardco
   Model: G18 Area Luminaires
   Color:
   Finish:
2. Mfg: Philips Gardco
   Model: Designer Flood
   DF12-12” Diameter
   Color:
   Finish:
3. Mfg: Philips Gardco
   Model: G13 Area Luminaires
   Color:
   Finish:

Product: Pool Lighting
1. Mfg: Pentair Intellibrite White LED
   Commercial Underwater Pool light
   Model:
   Color:
   Finish:
2. Mfg: J & J Electronics
   Model: Varies
   Color:
   Finish:

Product: Electronic Scoreboard
1. Mfg: Inground Colorado
   Model: Full Color Indoor LED Matrix
   Color:
   Finish:
2. Mfg: Portable Colorado
   Model: LED Scoreboard
   Color:
   Finish:

Product: Markers
1. Mfg: No Preference

Product: Buoys
1. Mfg: Spectrum
   Model: #72310, #72360, #72370
   Color:
   Finish:

Product: Regulatory Signage
1. Mfg: No Preference

Product: Information Signage
1. Mfg: No Preference

Product: Directional Signage
1. Mfg: No Preference

Product: Pool Cover
1. Mfg: T-Star Enterprise, Inc
   Model: Varies
   Color:
   Finish:
2. Mfg: Spectrum Pool Products
   Model: Varies
   Color:
   Finish:
3.1.3.6 LANDSCAPING

Planted Areas

Product: Organic Mulch
1. Mfg: Aquinaga
   Model: Fir Bark Mulch particle range of ¾” to 1-1/2” in diameter
   (Shredded bark is not acceptable)
   Color:
   Finish:

Product: Metal Trellis
1. Mfg: No Preference

Product: Root Barriers
1. Mfg: Deep Root Corporation
   Color:
   Finish:

Product: Tree Stakes
1. Mfg: No Preference

Product: Tree Guards
1. Mfg: No Preference

IRRIGATION

Product: Low Volume Irrigation Equipment
1. Mfg: No Preference

Product: Flow Sensor
1. Mfg: Rainbird
   Model:
   Color:
   Finish:

Product: Flow Sensor
1. Mfg: Rainbird
   Model:
   Color:
   Finish:
Product: Remote Control Valves
1. Mfg: Griswald
   Model: 2000 Series
   Color: Finish:

Product: Check Valves (anti-drain valves)
1. Mfg: No Preference

Product: Quick Couplers
1. Mfg: Rainbird
   Model: #44
   Color:
   Finish:
2. Mfg: Rainbird
   Model: #33D
   Color:
   Finish:

Product: Valve Boxes (traffic & non-traffic)
1. Mfg: No Preference

Product: Valve Box Covers (reclaimed water)
Control valves)
1. Mfg: No Preference

Product: Weather Based Irrigation Controller
1. Mfg: Weather Track
   Model:
   Color:
   Finish:

Product: Sensors (rain, wind, etc.)
1. Mfg: Rainbird
   Model: Smart controllers
   Color:
   Finish:

Product: Spray Heads (Fixed)
1. Mfg: Rainbird

Product: Spray Heads (Stream Spray)
1. Mfg: Rainbird
   Model: 8’,10’,12’, 15’ diameter sprays
   Color:
   Finish:

Product: Bubblers
1. Mfg: Rainbird
   Model: Adjustable
   Color:
   Finish:
3.1.3.7 STORM WATER MANAGEMENT
Grading and Drainage
  - Product: Sediment Traps (gabion cages)
    1. Mfg: No Preference
  - Product: Play Area Sump
    1. Mfg: No Preference
  - Product: Drop Inlets (catch basin)
  Traffic and Non-Traffic Covers
    1. Mfg: No Preference
  - Product: Atrium Drains
    1. Mfg: No Preference
LID Site Design Strategies
PARKING LOT DRAINAGE
  - Product: Catch Basin with Filter
    1. Mfg: No Preference
3.1.3.8 UTILITIES
New Electrical and Lighting Utility Design
  - Product: Electrical Panels
    1. Mfg: No Preference
  - Product: Exterior Receptacles
    1. Mfg: No Preference
  - Product: In-ground Concrete Junction Box
    1. Mfg: No Preference
  - Product: Interior Restroom Movement Sensors
    1. Mfg: No Preference
  - Product: Solar Lighting (Bollards)
    1. Mfg: No Preference
  - Product: Solar Lighting (Security)
    1. Mfg: No Preference
  - Product: Solar Lighting (Parking)
    1. Mfg: No Preference
  - Product: Solar Lighting (Recreation)
    1. Mfg: No Preference
Security Lighting
  - Product: Parking Lot Standards
    1. Mfg: No Preference
  - Product: Walkway Light Standards
    1. Mfg: No Preference
  - Product: Building Wall Units
    1. Mfg: No Preference
Recreational Field Lighting
  - Product: Ball Field Lighting
    1. Mfg: No Preference
Product: Soccer Field Lighting
1. Mfg: No Preference

HVAC
Product: HVAC System
1. Mfg: No Preference

Telecommunication Systems
Product: System Equipment
1. Mfg: No Preference

Smoke/Fire Detection Systems
Product: Fire Alarm System
1. Mfg: No Preference

Product: Smoke Detection System
1. Mfg: No Preference

Product: Water Flow Alarms
1. Mfg: No Preference
3.1.4 Regional Facilities Agency

3.1.4.1 SPATIAL ORGANIZATION
Security and Safety

Product: Security Cameras (monitoring system)
1. Mfg: No Preference

Product: Window Guards
1. Mfg: No Preference

Product: Knox Box
1. Mfg: No Preference

3.1.4.2 BUILDINGS
Restroom Buildings

Product: Exterior Lighting
1. Mfg: No Preference

Product: Doors and Hardware
1. Mfg: No Preference

Product: Sinks
1. Mfg: No Preference

Product: Toilets
1. Mfg: No Preference

Product: Urinals (standard and waterless)
1. Mfg: No Preference

Product: Hand Dryers
1. Mfg: No Preference

Product: Drinking Fountains (wall mounted)
1. Mfg: No Preference

Product: Mirrors
1. Mfg: No Preference

Product: Soap Dispenser
1. Mfg: No Preference

Product: Toilet Seat Cover Dispensers
1. Mfg: No Preference

Product: Toilet Paper Dispensers
1. Mfg: No Preference

Product: ADA Grab Bars
1. Mfg: No Preference
<table>
<thead>
<tr>
<th>Product: Floor Drain</th>
<th>Product: Exercise Room Equipment</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Product: CMU Block – Colored Split Face</th>
<th>Product: HVAC System</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Product: CMU Block – Burnished</th>
<th>Product: Fire Sprinklers</th>
</tr>
</thead>
</table>

**Gymnasium Buildings**

<table>
<thead>
<tr>
<th>Product: Bleachers (Temporary Bleachers)</th>
<th>Product: Stage Lift</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Product: Bleachers (Retractable Bleachers)</th>
<th>Product: Dressing Room Mirrors</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Product: Scoreboard</th>
<th>Product: Dressing Room Lockers</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Product: Basketball Standards</th>
<th>Product: Dressing Room Bench/Seating</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Product: Wall Padding</th>
<th>Product: Dressing Room Counter</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Product: Wood Flooring</th>
<th>Product: Stage Lighting</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Product: Drinking Fountain (wall mounted)</th>
<th>Product: Stage Curtain</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Product: Doors &amp; Hardware</th>
<th>Product: Storage Room Shelving</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Product: Interior Lights</th>
<th>Product: Telephone System</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Product: Windows</th>
<th>Product: Public Address System - Speakers</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Product: Exercise Room Flooring</th>
<th>Product: Office Furniture</th>
</tr>
</thead>
</table>
Community Buildings

Product: Room Partitions
1. Mfg: No Preference

Product: Folding/Stacking Chairs
1. Mfg: No Preference

Product: Flooring
1. Mfg: No Preference

Product: Classroom Tables
1. Mfg: No Preference

Product: Blackboard/Whiteboard
1. Mfg: No Preference

Product: Bulletin Boards/Pin Boards
1. Mfg: No Preference

Product: Audio Visual Equipment - Screens
1. Mfg: No Preference

Product: Audio Visual Equipment - Electronic Equipment
1. Mfg: No Preference

Product: Staff Offices - Office Equipment
1. Mfg: No Preference

Product: Staff Offices - Desks
1. Mfg: No Preference

Product: Staff Offices - Cabinets
1. Mfg: No Preference

Product: Staff Offices - Storage
1. Mfg: No Preference

Product: Staff Offices - Flooring
1. Mfg: No Preference

Product: Staff Offices - IT Services
1. Mfg: No Preference

Product: Staff Offices - Telephone Conference Equipment - Speakers
1. Mfg: No Preference

Product: Reception Chairs
1. Mfg: No Preference

Product: Janitor Room Shelving
1. Mfg: No Preference

Product: Janitor Mop Sink
1. Mfg: No Preference

Product: Kitchen Appliances
1. Mfg: No Preference

Product: Counters
1. Mfg: No Preference

Product: Cabinets/Hardware
1. Mfg: No Preference

Product: Fire Suppression
1. Mfg: No Preference

Product: Sinks
1. Mfg: No Preference

Product: HVAC System
1. Mfg: No Preference

Sports Field Concession Stand

Product: Kitchen Appliances
1. Mfg: No Preference

Product: Counters
1. Mfg: No Preference

Product: Cabinets/Hardware
1. Mfg: No Preference

Product: Fire Suppression System
1. Mfg: No Preference
Product: Floor Drain
1. Mfg: No Preference

Product: Sinks
1. Mfg: No Preference

Product: Service Windows
1. Mfg: No Preference

Maintenance Buildings/Yards

Product: Gates
1. Mfg: No Preference

Product: Cargo Containers
1. Mfg: No Preference

Product: Storage Containers
1. Mfg: No Preference

Product: Restroom Equipment and Fixtures
1. Mfg: No Preference

Product: Building Interior Equipment
1. Mfg: No Preference

Pool Buildings

Product: Exterior Lighting
1. Mfg: No Preference

Product: Interior Lighting
1. Mfg: No Preference

Product: Doors and Hardware
1. Mfg: No Preference

Product: Sinks
1. Mfg: No Preference

Product: Toilets
1. Mfg: No Preference

Product: Urinals (standard and waterless)
1. Mfg: No Preference

Product: Hand Dryers
1. Mfg: No Preference

Product: Drinking fountains (wall mounted)
1. Mfg: No Preference

Product: Soap Dispenser
1. Mfg: No Preference

Product: ADA Grab Bars
1. Mfg: No Preference

Product: Floor Drain
1. Mfg: No Preference

Product: CMU Block - Colored Split Face
1. Mfg: No Preference

Product: CMU Block - Burnished
1. Mfg: No Preference

Product: Mirrors
1. Mfg: No Preference

Product: Toilet Seat Cover Dispensers
1. Mfg: No Preference

Product: Toilet Paper Dispensers
1. Mfg: No Preference

Product: Dressing Room Benches
1. Mfg: No Preference

Product: Shower Fixtures
1. Mfg: No Preference

Product: Flooring
1. Mfg: No Preference

Product: Mechanical Equipment
1. Mfg: No Preference
Product: Signage
1. Mfg: No Preference

Product: HVAC System
1. Mfg: No Preference

Product: Water Heaters
1. Mfg: No Preference

3.1.4.3 PARKING LOTS

Product: Barrier Gates
1. Mfg: No Preference

Product: Paint Striping
1. Mfg: No Preference

Product: ADA Truncated Domes
1. Mfg: No Preference

Product: Bollards
1. Mfg: No Preference

Product: Wheel Stops
1. Mfg: No Preference

Product: Spike Strips
1. Mfg: No Preference

Product: Trash Enclosure (CMU/Split face block)
1. Mfg: No Preference

Product: Trash Enclosure Roof Material
1. Mfg: No Preference
3.1.4.4 CIRCULATION

Pedestrian

Product: Decomposed Granite

1. Mfg: Southeast Construction (Vendor)
   Model: Decomposed Granite
   Color: Varies
   Finish: SECO@southeastproducts.com
   Model: Decomposed Granite
   Color: Varies
   Finish: Mellenda@ptisandandgravel.com
3. Mfg: All Valley Sand & Gravel
   Model: Varies (d.g. and gravel)
   Color: 
   Finish: www.allvalleysandandgravel.com

Product: Decomposed Granite Stabilized

1. Mfg: Stabilizer Solutions
   Model: Stabilizer
   Color: 
   Finish: www.stabilizersolutions.com
2. Mfg: Stabilizer Solutions
   Model: Stabilizer
   Color: Polymer
   Finish: www.stabilizersolutions.com
3. Mfg: Gail Materials
   Model: NexPave Organic – Lock Aggregate Paving
   Color: 
   Finish: www.gailmaterials.com

Product: Permeable Pavers

1. Mfg: Stepstone, Inc.
   Model: 3P Pervious Pedestrian Pavers
   Color: 
   Finish: www.stepstoneinc.com
2. Mfg: Belgard
   Model: Aqua Roc
   Color: 
   Finish: www.belgard.biz

Product: ADA Truncated Domes

1. Mfg: Stepstone, Inc.
   Model: Truncated Dome Pavers
   Color: 
   Finish: www.stepstoneinc.com

Vehicular

Product: Emergency Vehicle Lane Access Barrier

1. Mfg: No Preference

Product: Speed Humps

1. Mfg: Barco Products
   Model: Rubber Speed Bumps (Recycled Rubber)
   Color: 
   Finish: www.barcoproducts.com
2. Mfg: Rubberform Recycled Products, LLC
   Model: Rubberform Speed Bumps
   Color: 
   Finish: www.rubberform.com

Equestrian

Product: Equestrian Arena Surfacing

1. Mfg: Gail Materials
   Model: Tru-Ride Premium Arena Mix
   Color: 
   Finish: www.gailmaterials.net
3.1.4.5 RECREATIONAL FACILITIES

**Ball Fields**

**Product: Brick Dust**
1. **Mfg:** Stabilizer Solutions  
   **Model:** “Pro Red” Infield Mix  
   **Color:**  
   **Finish:** [www.stabilizersolutions.com](http://www.stabilizersolutions.com)

**Product: Softball Backstop**
1. **Mfg:** No Preference

**Product: Baseball Backstop**
1. **Mfg:** No Preference

**Product: Chain Link Fence**
1. **Mfg:** Allied Tube and Conduit  
   **Model:** Stainless Steel 40 Tube  
   **Color:**  
   **Finish:** [www.ATCfence.com](http://www.ATCfence.com)

**Product: Bleachers (Metal and Wood)**
1. **Mfg:** No Preference

**Product: Bleachers (Aluminum)**
1. **Mfg:** No Preference

**Product: Shade Covers for Dugouts**
1. **Mfg:** No Preference

**Product: Shade Covers for Bleachers**
1. **Mfg:** No Preference

**Product: Bat Racks**
1. **Mfg:** No Preference

**Product: Player Benches**
1. **Mfg:** No Preference

**Product: Bases**
1. **Mfg:** No Preference

**Product: Batting Cages**
1. **Mfg:** No Preference

**Product: Scoreboard**
1. **Mfg:** No Preference  
   **Finish:**

**Product: Foul Ball Poles**
1. **Mfg:** No Preference

**Product: Outfield fencing with Cap Padding**
1. **Mfg:** No Preference

**Product: Pole Padding**
1. **Mfg:** No Preference

**Product: Drinking Fountains**
1. **Mfg:** Oasis  
   **Model:**  
   **Color:**  
   **Finish:** [www.oaisiscoolers.com](http://www.oaisiscoolers.com)

**Sports Fields**

**SOCCER AND MULTI-USE COURTS**

**Product: Scoreboard**
1. **Mfg:** No Preference  
   **Finish:**

**Product: Bleachers**
1. **Mfg:** No Preference

**Product: Player Benches**
1. **Mfg:** No Preference

**Product: Field Lighting Pole Padding**
1. **Mfg:** No Preference

**Product: Drinking Fountains**
1. **Mfg:** No Preference

**Sports Courts**

**BASKETBALL**

**Product: Pole and Backboard**
1. **Mfg:** No Preference

**Product: Spectator Bleachers**
1. **Mfg:** No Preference
Product: Player Benches
1. Mfg: No Preference

Product: Basketball Court Lighting
1. Mfg: No Preference

Product: Indoor Basketball Scoreboard
1. Mfg: No Preference

**TENNIS COURTS**
Product: Fence Screen
1. Mfg: No Preference

Product: Poles and Net
1. Mfg: No Preference

Product: Court Surfacing
1. Mfg: No Preference

Product: Tennis Court Lighting
1. Mfg: No Preference

**VOLLEYBALL**
Product: Steel Poles
1. Mfg: No Preference

Product: Net
1. Mfg: No Preference

Product: Court Rope Lines
1. Mfg: No Preference

Product: Spectator Benches
1. Mfg: No Preference

Product: Sand
1. Mfg: No Preference

Product: Volleyball Court Lighting
1. Mfg: No Preference

**Extreme Sports**

**SKATE PARKS**
Product: On-Grade Skate Elements
1. Mfg: No Preference

Product: Spectator Bleachers
1. Mfg: No Preference

Finish:

Product: Benches
1. Mfg: No Preference

Product: Benches
1. Mfg: No Preference

Product: Decorative Fencing
1. Mfg: No Preference

Product: Sport Lighting
1. Mfg: No Preference

**Active Recreation Amenities**

**FITNESS ZONES**
Product: Exercise Equipment
1. Mfg: SportsArt Fitness Equipment

   Model: 
   Color: 
   Finish: www.sportsartamerica.com

Product: Surface Material
1. Mfg: USSA

   Model: Poured Rubber Surfacing
   Color: 
   Finish: www.sustainablesurfacing.com

2. Mfg: Nike

   Model: Nike Grind
   Color: 
   Finish: www.nikereuseashoe.com

Product: Enclosure Pit Edge
1. Mfg: No Preference
HORSESHOE PITS

Product: Horseshoe Stakes
1. Mfg: No Preference

Children's Play Areas

Product: Play Equipment Components
1. Mfg: Detailed Play Systems
   Model: Various Playground Equipment Components
   Color: Finish: www.detailedplay.com
2. Mfg: Landscape Structures
   Model: Varies
   Color: Finish: www.playlsi.com
3. Mfg: Kompan
   Model: Varies
   Color: Finish: www.kompan.us
   Model: Varies
   Color: Finish: www.miracle-recreation.com

Product: Climbing Boulders or Animal Sculptures
1. Mfg: Miracle Recreation Equipment Co.
   Model: Various Climbing Walls
   Color: Finish: www.miracle-recreation.com
2. Mfg: Kompan
   Model: Climbing Equipment and Spacenets
   Color: Finish: www.kompan.us

Product: Decorative Fencing
1. Mfg: Shanghai Seven Trust Industry Co. Ltd
   Model: Plastic Wood
   Color: Finish:

Product: Engineered Wood Fiber Surfacing
1. Mfg: Fibar Playground Surfaces
   Model: Fiber Systems
   Color: Finish: www.fibar.com
2. Mfg: Zeager
   Model: Playground and Trail Surfaces
   Color: Finish: www.zeager.com

Product: Rubber Tile Surfacing
1. Mfg: Surface America
   Model: PlayBound Tile
   Color: Finish: www.surfaceamerica.com
2. Mfg: EMC Environmental Molding Concepts
   Model: Color: Finish: www.emcmolding.com
3. Mfg: Rubber-Cal Inc.
   Model: 2.5” Eco-Safety Tiles
   Color: Finish: www.rubbercal.com

Product: Poured In Place Surfacing
1. Mfg: Surface America
   Model: Playbound Poured-in-Place
   Color: Finish: www.surfaceamerica.com
2. Mfg: No Fault Company
   Model: Bonded Rubber Surfacing
   Color: Finish: www.nofault.com

Product: Shade Sails
1. Mfg: ShadeSails.com
   Model: Color: Finish: www.shadesails.com
2. Mfg: SoCal Shade Sails
   Model: Color: Finish: www.sunshade-shadesails.com
3. Mfg: USA SHADE
   Model: Color: Finish: www.usa-shade.com
Splash Pads

Product: Spray Elements
1. Mfg: Vortex Aquatic Structures International Inc.
   Model: Spraypoint Smartflow
   Color: 
   Finish: www.vortex-intl.com

Product: Concrete Coloring
1. Mfg: Eco Safety Products
   Model: SoyCrete Stain
   Color: 
   Finish: www.ecosafetyproducts.com
2. Mfg: Northwest Concrete Enterprises
   Model: Sustainable Stain
   Color: 
   Finish: www.northwestconcrete.com
3. Mfg: USA SHADE
   Model: 
   Color: 
   Finish: www.usa-shade.com

Product: Shade Sails
1. Mfg: USA SHADE
   Model: 
   Color: 
   Finish: www.usa-shade.com

Product: Seat Wall
1. Mfg: No Preference

Product: Mechanical Equipment Enclosure
1. Mfg: No Preference

Passive Recreation Areas

GROUP PICNIC AREAS

Product: Shade Shelter
1. Mfg: Poligon
   Model: 
   Color: 
   Finish: www.poligon.com

Product: Picnic Tables
1. Mfg: BuyRecycledProducts.com
   Model: 
   Color: 
   Finish: www.buyrecycledproducts.com
2. Mfg: Recycled Plastic Factory
   Model: A-Frame Picnic Table
   Color: 
   Finish: www.recycledplasticfactory.com
3. Mfg: Max-R.net
   Model: Various
   Color: 
   Finish: www.max-r.net
4. Mfg: GreenPark Store
   Model: FSC Certified Wood
   Color: 
   Finish: www.greenparkstore.com

Product: Benches
1. Mfg: Eco Green Site Solutions
   Model: Recycled Steel Bench
   Color: 
   Finish: www.ecogreensitesolutions.com
2. Mfg: Eco Green Site Solutions
   Model: Recycled Plastic Park Bench
   Color: 
   Finish: www.ecogreensitesolutions.com
3. Mfg: Recycled Plastic Factory
   Model: Recycled Plastic and Aluminum Bench
   Color: 
   Finish: www.recycledplasticfactory.com

Product: Drinking Fountains
1. Mfg: Hawes Corporation
   Model: 
   Color: 
   Finish: www.hawsco.com
Product: Bicycle Racks
1. Mfg: Recycled Plastic Factory
   Model: 4’, 8’, 10’ Bicycle Racks
   Color: Finish: www.recycledplasticfactory.com
2. Mfg: Reliance Foundry Company Ltd.
   Model: Various Models
   Color: Finish: www.reliance-foundry.com

Product: Bicycle Storage
1. Mfg: No Preference

Product: Trash Receptacles
1. Mfg: Max-R Sustainable Outdoor Furnishings
   Model: Color: Finish: www.max-r.net

Product: Hot Coal Receptacles
1. Mfg: Universal Precast
   Model: Various
   Color: Tan
   Finish: www.universalprecast.com
2. Mfg: Jamestown Advanced
   Model: Various
   Color: Black
   Finish: www.jamestownadvanced.com

Product: Barbeque Grills
1. Mfg: Universal Precast
   Model: www.universalprecast.com
   Color: Tan
   Finish: Concrete
2. Mfg: Jamestown Advanced
   Model: Various
   Color: Black
   Finish: www.jamestownadvanced.com

Product: Park Signage
1. Mfg: Fossil Industries
   Model: Color: Finish: www.fossilgraphics.com

Product: Security Light Fixtures
1. Mfg: MaxLite
   Model: maxLED Fixtures
   Color: Finish: www.maxlite.com
2. Mfg: Lithonia Lighting
   Model: Multiple Models
   Color: Finish: www.lithonia.com
3. Mfg: Eco Lumens
   Model: Varies
   Color: Finish: www.ecolumens.net

Product: Seat Wall Anti-Skateboard Guards
1. Mfg: No Preference

Product: Ball Field Equipment Storage Containers
1. Mfg: No Preference

Product: Ball Field Maintenance Equipment Containers
1. Mfg: No Preference

Product: Park Identification Signs
1. Mfg: Impact Signs
   Model: Color: Finish: www.impactsigns.com
2. Mfg: ASI Signage Innovations
   Model: InTac Eco
   Color: Finish: www.asisignage.com
3. Mfg: Coastal Enterprises
   Model: Precision Board PBLT
   Color: Standard
   Finish: 15 lb. – 1.5” Board
## Park Design Guidelines

### Park Design Standards

#### Product: Park Direction Signs
1. Mfg: No Preference

#### Product: Fencing
1. Mfg: No Preference

#### Product: Chain Link Fencing
1. Mfg: Crown Fence
   - Model: Various
   - Color: [www.crownfence.com](http://www.crownfence.com)
   - Finish: Various
2. Mfg: Pilgrim Fence
   - Model: Various
   - Color: [www.pilgrimfence.com](http://www.pilgrimfence.com)
   - Finish: Various
3. Mfg: Wolverine Fence
   - Model: Various
   - Color: [www.wolverinefence.com](http://www.wolverinefence.com)
   - Finish: Various

#### Product: Steel Picket Fencing
1. Mfg: Himco Security
   - Model: Various
   - Color: [www.himcofence.com](http://www.himcofence.com)
   - Finish: Various

#### Product: Dog Park Furnishings (Drinking Station)
1. Mfg: No Preference

#### Product: Dog Park Furnishings (Waste Bag Station)
1. Mfg: No Preference

#### Product: Dog Park Furnishings (Leash Post)
1. Mfg: No Preference

#### Product: Dog Park Furnishings (Play Equipment)
1. Mfg: No Preference

### Swimming Pools

#### Product: Pool Ladders
1. Mfg: AmeriMerc
   - Model: Inground Swimming Pool Ladder
   - Color: [www.amerimerc.com](http://www.amerimerc.com)/
   - Finish: [www.amerimerc.com](http://www.amerimerc.com)/
2. Mfg: S.R. Smith
   - Model: Commercial Ladder
   - Color: [www.srsmith.com](http://www.srsmith.com)

#### Product: Pool Handrails
1. Mfg: AmeriMerc
   - Model: Ring Handrails/ Ladder Rails
   - Color: [www.amerimerc.com](http://www.amerimerc.com)/
   - Finish: [www.amerimerc.com](http://www.amerimerc.com)/
2. Mfg: S.R. Smith
   - Model: Various
   - Color: [www.srsmith.com](http://www.srsmith.com)

#### Product: Diving Boards
1. Mfg: AmeriMerc
   - Model: S.R. Smith Commercial Diving Boards
   - Color: [www.srsmith.com](http://www.srsmith.com)
   - Finish: [www.amerimerc.com](http://www.amerimerc.com)/
2. Mfg: S.R. Smith
   - Model: Various
   - Color: [www.srsmith.com](http://www.srsmith.com)

#### Product: DA Chair Lifts
1. Mfg: S.R. Smith
   - Model: PAL Lift
   - Color: (Portable Aquatic Lift)
   - Finish: [www.srsmith.com](http://www.srsmith.com)
2. Mfg: S.R. Smith
   - Model: Splash! Lift
   - Color: [www.srsmith.com](http://www.srsmith.com)
Product: Emergency Trauma Kits
1. Mfg: Seton  
   Model: Emergency Trauma Kit Bag  
   Color:  
   Finish: www.seton.com  
2. Mfg: MacGill  
   Model: Large Trauma Kit, Complete  
   Color:  
   Finish: www.macgill.com

Product: Swim Lane Cords
1. Mfg: Recreonics  
   Model: Anti-Wave Racing Lanes  
   Color:  
   Finish: www.recreonics.com  
2. Mfg: Competitor  
   Model: Gold Medal Racing Lanes  
   Color:  
   Finish: www.competitorswim.com

Product: Pool Deck Lighting
1. Mfg: Dekor  
   Model: Millennium Outdoor  
   Color:  
   Finish: www.de-kor.com  
2. Mfg: Alibaba  
   Model: LED Swimming Pool Deck Light  
   Color:  
   Finish: www.alibaba.com

Product: Pool Lighting
1. Mfg: Recreonics  
   Model: Hayward Underwater Lights w/ PureWhite LED  
   Color: #65-135  
   Finish: www.recreonics.com  
2. Mfg: Hayward  
   Model: Universal CrystaLogic LED  
   Color:  
   Finish: www.hayward-pool.com

Product: Electronic Scoreboard
1. Mfg: Recreonics  
   Model: Colorado Time Portable LED Scoreboard  
   Color:  
   Finish: www.recreonics.com  
2. Mfg: Daktronics  
   Model: Aquatics SW-2000 Series  
   Color:  
   Finish: www.daktronics.com  
3. Mfg: Signtronix  
   Model: LED Electronic Signs  
   Color:  
   Finish: www.signtronix.com

Product: Markers
1. Mfg: Flaghouse Sports  
   Model: Various  
   Color:  
   Finish: www.flaghouse.com  
2. Mfg: Poolweb.com  
   Model: Competitor; AntiWave  
   Color:  
   Finish: www.poolweb.com

Product: Buoys
1. Mfg: Recreonics  
   Model: Various Ring Buoys  
   Color: PFD Type IV  
   Finish: www.recreonics.com

Product: Regulatory Signage
1. Mfg: Seton  
   Model: Eco-Friendly Safety Signs  
   Color:  
   Finish: www.seton.com  
2. Mfg: Safetysign.com  
   Model: Facility ID Signs  
   Color:  
   Finish: www.safetysign.com  
3. Mfg: EcoSignage.com  
   Model: Recycled materials  
   Color:  
   Finish: http://ecosignage.org
Product: Information Signage

1. Mfg: Seton
   Model: Eco-Friendly Safety Signs
   Color:
   Finish: www.seton.com

2. Mfg: EcoSignage.com
   Model: Recycled materials
   Color:
   Finish: http://ecosignage.org

3. Mfg: Fossil Industries
   Model: Fossil Greenguard Signs
   Color:
   Finish: www.fossilgraphics.com

Product: Directional Signage

1. Mfg: Seton
   Model: Eco-Friendly Safety Signs
   Color:
   Finish: www.seton.com

2. Mfg: EcoSignage.com
   Model: Recycled materials
   Color:
   Finish: http://ecosignage.org

Product: Pool Cover

1. Mfg: Recreonics
   Model: Various
   Color:
   Finish: www.recreonics.com

2. Mfg: Cover-Pools
   Model: Automatic Cover; Manual Cover
   Color:
   Finish: www.coverpools.com

3.1.4.6 LANDSCAPING

Planted Areas

Product: Organic Mulch

1. Mfg: Whittier Fertilizer
   Model: Various
   Color:
   Finish: http://whittierfertilizer.com

   Model: Green Waste Recycling
   Color:
   Finish: www.agriscapesoils.com

3. Mfg: CalRecycle
   Model: Compost and mulch facilities
   Color:
   Finish: www.calrecycle.ca.gov

Product: Metal Trellis

1. Mfg: GreenScreen
   Model: Elements
   Color: Green
   Finish: www.greenscreen.com

2. Mfg: Feeney Garden
   Model: Trellis Collection
   Color: Stainless Steel
   Finish: www.feeneyinc.com

3. Mfg: Hayn
   Model: Trellis System Hardware
   Color: Stainless Steel
   Finish: www.hayn.com

Product: Root Barriers

1. Mfg: DeepRoot Green Infrastructure
   Model: Linear
   Color:
   Finish: www.deeproot.com

2. Mfg: Fiberweb
   Model: BioBarrier by Typar
   Color:
   Finish: www.biobarrier.com

3. Mfg: Century Products
   Model: Century Root Barrier
   Color: Black
   Finish: www.centuryrootbarrier.com

4. Mfg: NDS Root Barrier
   Model: EP, RP, Sheet, Planter
   Color: Black (plastic)
   Finish: www.NDSpro.com
<table>
<thead>
<tr>
<th>Product: Tree Stakes</th>
</tr>
</thead>
</table>
| 1. Mfg: **Green Sleeves**  
Model: 2-stake system  
Color: Finish: [www.greensleeves.com](http://www.greensleeves.com) |
| 2. Mfg: **DeepRoot Green Infrastructure**  
Model: ArborTie Staking and Guying  
Color: Finish: [www.deeproot.com](http://www.deeproot.com) |
| 3. Mfg: **ArborBrace**  
Model: Tree Guying Kits  
Color: Finish: [www.treestaking.com](http://www.treestaking.com) |
| 4. Mfg: **Lodge Pole Stakes**  
Model: Color: Finish: [www.butlerboxandstake.com](http://www.butlerboxandstake.com) |

<table>
<thead>
<tr>
<th>Product: Tree Guards</th>
</tr>
</thead>
</table>
| 1. Mfg: **Citygreen**  
Model: Traditional Tree Guards  
Color: Finish: [www.citygreen.com](http://www.citygreen.com) |
| 2. Mfg: **IronSmith**  
Model: All Steel Tree Guards  
Color: Varies Finish: [www.ironsmith.cc](http://www.ironsmith.cc) |

<table>
<thead>
<tr>
<th>Irrigation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product: Low Volume Irrigation Equipment</strong></td>
</tr>
</tbody>
</table>
| 1. Mfg: **Hunter Industries**  
Model: Eco-Mat and PLD-ESD  
Color: Finish: [www.hunterindustries.com](http://www.hunterindustries.com) |
| 2. Mfg: **Hunter Industries**  
Model: Root Zone Watering System  
Color: Finish: [www.hunterindustries.com](http://www.hunterindustries.com) |
| 3. Mfg: **Rain Bird**  
Model: XFS Subsurface Dripline  
Color: Finish: [www.rainbird.com](http://www.rainbird.com) |
| 4. Mfg: **Netafim USA**  
Model: Netafim Tubing  
Color: Finish: [www.netafimusa.com](http://www.netafimusa.com) |

<table>
<thead>
<tr>
<th><strong>Product: Flow Sensor</strong></th>
</tr>
</thead>
</table>
| 1. Mfg: **Hunter Industries**  
Model: Flow-Clik or Flow-Sync  
Color: Finish: [www.hunterindustries.com](http://www.hunterindustries.com) |
| 2. Mfg: **Rain Bird**  
Model: Pulse Transmitters  
Color: Finish: [www.rainbird.com](http://www.rainbird.com) |

<table>
<thead>
<tr>
<th><strong>Product: Master Valve</strong></th>
</tr>
</thead>
</table>
| 1. Mfg: **Hunter Industries**  
Model: ICB or IBV  
Color: Finish: [www.hunterindustries.com](http://www.hunterindustries.com) |
| 2. Mfg: **Rain Bird**  
Model: PGA/ PEB/ PESB Series  
Color: Finish: [www.rainbird.com](http://www.rainbird.com) |

<table>
<thead>
<tr>
<th><strong>Product: Backflow Prevention Device</strong></th>
</tr>
</thead>
</table>
| 1. Mfg: **ABPA**  
Model: Trade Organization  
Color: Finish: [www.abpa.org](http://www.abpa.org) |
| 2. Mfg: **Backflowprevention.com**  
Model: Trade Organization  
Color: Finish: [www.backflowprevention.com](http://www.backflowprevention.com) |
| 3. Mfg: **Accurate Backflow Testing & Valve Repair**  
Model: Service Company  
Color: Finish: [www.accuratebackflow.net](http://www.accuratebackflow.net) |
| 4. Mfg: **FEBCO Backflows**  
Model: Various  
Color: Finish: [www.febcoonline.com](http://www.febcoonline.com) |
| 5. Mfg: **Watts Backflows**  
Model: 800 Series; QT Series  
Color: Finish: [www.watts.com](http://www.watts.com) |
Product: Backflow Device Lockable Enclosure
1. Mfg: GuardShack
   Model: Enclosures- Various
   Color: www.guardshackenclosures.com
2. Mfg: Backflow Protection
   Model: Ultimate Tuff Cage
   Color: www.backflowprotection.com

Product: Pressure Regulator
1. Mfg: Watts
   Model: Various
   Color: Finish: www.watts.com

Product: Variable-Frequency Drive Pumps & Motors
1. Mfg: Armstrong
   Model: IVS Sensorless Variable Speed Pumps
   Color: Finish: www.armstrongpumps.com

Product: Manual Control Valves (gate or globe)
1. Mfg: Watts
   Model: Gate Valves
   Color: Finish: www.watts.com
2. Mfg: Nibco
   Model: Gate Valves
   Color: Finish: www.nibco.com

Product: Remote Control Valves
1. Mfg: Rainbird
   Model: GB Series Electric Valves
   Color: Finish: www.rainbird.com
2. Mfg: Rainbird
   Model: EFB-CP Series Electric Valves
   Color: Finish: www.rainbird.com

Product: Check Valves (anti-drain valves)
1. Mfg: No Preference

Product: Quick Couplers
1. Mfg: Rainbird
   Model: Rainbird QC
   Color: Finish: www.rainbird.com

Product: Valve Boxes (traffic & non-traffic)
1. Mfg: Rain Bird
   Model: VB Series Valve Boxes
   Color: Finish: www.rainbird.com
2. Mfg: Highline Products
   Model: Various
   Color: Finish: www.highlineaccessboxes.com
3. Mfg: Christy Concrete Valve Boxes
   Model: Various sizes
   Color: Finish: www.ewing1.com

Product: Valve Box Covers (reclaimed water Control valves)
1. Mfg: Rain Bird
   Model: VB Series Valve Boxes
   Color: Finish: www.rainbird.com
2. Mfg: Highline Products
   Model: Various
   Color: Finish: www.highlineaccessboxes.com

Product: Weather Based Irrigation Controller
1. Mfg: Hydropoint
   Model: Hydrosafe w/ WeatherTRAK
   Color: Finish: www.hydropoint.com
2. Mfg: www.weathertrak.com
   Model: www.hydroscape.com
   Color: Finish:
Product: Sensors (rain, wind, etc.)
1. Mfg: Rain Bird
   Model: RSD Series Rain Sensor
   Color: Finish: [www.rainbird.com]
2. Mfg: Toro
   Model: Wired Rain Sensor
   Color: Finish: [www.toro.com]
3. Mfg: Hunter Industries
   Model: Mini-Clik Rain Sensor
   Color: Finish: [www.hunterindustries.com]

Product: Spray Heads (Rotor)
1. Mfg: Hunter Rotator
   Model: MP 2000 Series
   Color: Finish: [www.hunterindustries.com]

Product: Spray Heads (Fixed)
1. Mfg: Rain Bird
   Model: Rainbird 1800 Series
   Color: Finish: [www.rainbird.com]

Product: Spray Heads (Stream Spray)
1. Mfg: Hunter Rotator
   Model: PGM Series
   Color: Finish: [www.hunterindustries.com]
2. Mfg: Hunter Rotator
   Model: PGP Series
   Color: Finish: [www.hunterindustries.com]
3. Mfg: Rain Bird
   Model: Falcon 6504 Series Rotor
   Color: Finish: [www.rainbird.com]

Product: Bubblers
1. Mfg: Rain Bird
   Model: 1300 A-F Adj Bubblers
   Color: Finish: [www.rainbird.com]

3.1.4.7 STORM WATER MANAGEMENT
Grading and Drainage
Product: Sediment Traps (gabion cages)
1. Mfg: No Preference

Product: Play Area Sump
1. Mfg: No Preference

Product: Drop Inlets (catch basin)
Traffic and Non-Traffic Covers
1. Mfg: Alhambra Foundry
   Model: Various
   Color: Finish: [www.alhambrafoundry.com]
2. Mfg: NDS
   Model: Various
   Color: Finish: [www.ndspro.com]

Product: Atrium Drains
1. Mfg: NDS
   Model: Atrium Grates
   Color: Finish: [www.ndspro.com]

LID Site Design Strategies
PARKING LOT DRAINAGE
Product: Catch Basin with Filter
1. Mfg: No Preference
3.1.4.8 UTILITIES

New Electrical and Lighting Utility Design

Product: Electrical Panels
1. Mfg: No Preference

Product: Exterior Receptacles
1. Mfg: No Preference

Product: In-ground Concrete Junction Box
1. Mfg: Associated of LA
   Model: MR STEEL Security Lid
   Color: Natural Metal
   Finish:

Product: Interior Restroom Movement Sensors
1. Mfg: Leviton
   Model: Occupancy Sensor
   Color:
   Finish: www.leviton.com
2. Mfg: Legrand
   Model: Occupancy Sensor
   Color:
   Finish: www.legrand.us
3. Mfg: Cooper Controls
   Model: Occupancy Sensor
   Color:
   Finish: www.cooperindustries.com

Product: Solar Lighting (Bollards)
1. Mfg: SEPCO
   Model: Various
   Color:
   Finish: www.sepco-solarlighting.com

Product: Solar Lighting (Security)
1. Mfg: SEPCO
   Model: Various
   Color:
   Finish: www.sepco-solarlighting.com

Product: Solar Lighting (Parking)
1. Mfg: SEPCO
   Model: Various
   Color:
   Finish: www.sepco-solarlighting.com
2. Mfg: SOL
   Model: 2020 Solar LED Lighting
   Color:
   Finish: www.solarlighting.com

Product: Solar Lighting (Recreation)
1. Mfg: SEPCO
   Model: Various
   Color:
   Finish: www.sepco-solarlighting.com

Security Lighting

Product: Parking Lot Standards
1. Mfg: BetaLED
   Model: The Edge LED Parking Lights
   Color:
   Finish: www.betaled.com
2. Mfg: SEPCO
   Model: Various
   Color:
   Finish: www.sepco-solarlighting.com
3. Mfg: Precision-Paragon
   Model: ESTE Hi-Lo Controls Area Lighting
   Color:
   Finish: www.p-2.com
4. Mfg: Precision-Paragon
   Model: IST Induction Area Lighter
   Color:
   Finish: www.p-2.com

Product: Walkway Light Standards
1. Mfg: SEPCO
   Model: Various
   Color:
   Finish: www.sepco-solarlighting.com
2. Mfg: Reliance Foundry
   Model: Solar Bollard Lamp
   Color:
   Finish: www.reliance-foundry.com
Product: Building Wall Units
1. Mfg: SEPCO
   Model: Various
   Color:
   Finish: www.sepco-solarlighting.com
2. Mfg: MaxLite
   Model: MaxLED Fixtures
   Color:
   Finish: www.maxlite.com
3. Mfg: Precision-Paragon
   Model: WPC- Full cutoff wall pack
   Color:
   Finish: www.p-2.com

Recreational Field Lighting
Product: Ball Field Lighting
1. Mfg: Musco
   Model: Light-Structure Green
   Color:
   Finish: www.musco.com
2. Mfg: Qualite Sports Lighting
   Model: Greenstar, Pro
   Color:
   Finish: www.qualite.com
3. Mfg: Lithonia
   Model: Sport Field Lighting
   Color:
   Finish: http://www.lithonia.com

Product: Soccer Field Lighting
1. Mfg: Musco
   Model: Light-Structure Green
   Color:
   Finish: www.musco.com
2. Mfg: Qualite Sports Lighting
   Model: Greenstar, Pro
   Color:
   Finish: www.qualite.com
3. Mfg: Lithonia
   Model: Sport Field Lighting
   Color:
   Finish: http://www.lithonia.com

HVAC
Product: HVAC System
1. Mfg: Johnson Controls
   Model: HVAC Control Products
   Color:
   Finish: http://www.johnsoncontrols.com

3.1.8.5 Telecommunication Systems
Product: System Equipment
1. Mfg: No Preference

Smoke/Fire Detection Systems
Product: Fire Alarm System
1. Mfg: Honeywell
   Model: Silent Knight by Honeywell
   Color:
   Finish: www.silentknight.com
2. Mfg: Johnson Controls
   Model: Intelligent Fire Alarm Controllers (IFC)
   Color:
   Finish: http://www.johnsoncontrols.com

Product: Smoke Detection System
1. Mfg: SystemSensor
   Model: Intelligent Detection
   Color:
   Finish: www.systemsensor.com
2. Mfg: Honeywell
   Model: Smoke Detection Systems
   Color:
   Finish:

Product: Water Flow Alarms
1. Mfg: SystemSensor
   Model: Waterflow Detector
   Color:
   Finish: http://www.systemsensor.com
Appendices

Appendices

- Plant Regions and Categories
- Preferred Plant List - Potable Water
- Preferred Plant List - Recycled Water
- Do Not Use - Plant List
- County of Los Angeles Parkland Standards and Classifications
- References and Resources
Plant Regions and Categories

The following information is an excerpt from the Water Use Classification of Landscape Species (WUCOLS III) list found in the publication: A Guide to Estimating Irrigation Water Needs of Landscape Plantings in California. This information has been included to assist in understanding the Preferred Potable Water and Preferred Recycled Water Plant List to follow. The park designer is expected to reference the Guide to Estimating Irrigation Water Needs of Landscape Plantings in California document when preparing planting plans for park projects, to estimate the water requirements of the plants specified. For plant suitability to a particular climate zone the designer should reference California climate zones as described in the University of California Publication, 3328, Generalized Plant Climate Zones of California and Sunset Western Garden Book.

REGIONS

Since there are substantially different climate zones in California, species are evaluated for six (6) regions which represent different climatic conditions.

Region 1 - North-Central Coastal (California Climate Zones 14, 15, 16 and 17)

<table>
<thead>
<tr>
<th>Concord</th>
<th>Napa</th>
<th>San Francisco</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cupertino</td>
<td>Novato</td>
<td>San Jose</td>
</tr>
<tr>
<td>Healdsburg</td>
<td>Oakland</td>
<td>San Luis Obispo</td>
</tr>
<tr>
<td>Livermore</td>
<td>Petaluma</td>
<td>Santa Cruz</td>
</tr>
<tr>
<td>Los Altos Hills</td>
<td>Salinas</td>
<td>Santa Rosa</td>
</tr>
</tbody>
</table>

Region 2 - Central Valley (California Climate Zones 8, 9 and 14)

<table>
<thead>
<tr>
<th>Auburn</th>
<th>Los Banos</th>
<th>Redding</th>
<th>Visalia</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bakersfield</td>
<td>Marysville</td>
<td>Roseville</td>
<td></td>
</tr>
<tr>
<td>Chico</td>
<td>Merced</td>
<td>Sacramento</td>
<td></td>
</tr>
<tr>
<td>Colinga</td>
<td>Modesto</td>
<td>Stockton</td>
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</tr>
<tr>
<td>Fresno</td>
<td>Red Bluff</td>
<td>Tracy</td>
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</table>

Region 3 - South Coastal (California Climate Zones 22, 23 and 24)

<table>
<thead>
<tr>
<th>Anaheim</th>
<th>Laguna Beach</th>
<th>Oxnard</th>
<th>Santa Monica</th>
</tr>
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<tbody>
<tr>
<td>Camarillo</td>
<td>La Mesa</td>
<td>Santa Ana</td>
<td>Ventura</td>
</tr>
<tr>
<td>Fallbrook</td>
<td>Long Beach</td>
<td>Santa Barbara</td>
<td>Vista</td>
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<tr>
<td>Fullerton</td>
<td>Los Angeles</td>
<td>San Diego</td>
<td>Whittier</td>
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<tr>
<td>Irvine</td>
<td>Mission Viejo</td>
<td>San Juan Capistrano</td>
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</tbody>
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Region 4 - South Inland Valleys and Foothills (California Climate Zones 18, 19, 20 and 21)

<table>
<thead>
<tr>
<th>City</th>
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<tbody>
<tr>
<td>Altadena</td>
<td>El Monte</td>
<td>Perris</td>
<td>San Fernando</td>
</tr>
<tr>
<td>Azusa</td>
<td>Escondido</td>
<td>Pomona</td>
<td>Santa Paula</td>
</tr>
<tr>
<td>Chino</td>
<td>Hemet</td>
<td>Ramona</td>
<td>Sun City</td>
</tr>
<tr>
<td>Corona</td>
<td>Ojai</td>
<td>Riverside</td>
<td>Thousand Oaks</td>
</tr>
<tr>
<td>Covina</td>
<td>Pasadena</td>
<td>San Bernardino</td>
<td>Van Nuys</td>
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</table>

Region 5 - High and Intermediate Desert (California Climate Zone 11)

<table>
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<tr>
<th>City</th>
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<tbody>
<tr>
<td>Apple Valley</td>
<td>Gorman</td>
<td>Mojave</td>
<td>Victorville</td>
</tr>
<tr>
<td>Barstow</td>
<td>Independence</td>
<td>Olancha</td>
<td></td>
</tr>
<tr>
<td>Bishop</td>
<td>Joshua Tree</td>
<td>Palmdale</td>
<td></td>
</tr>
<tr>
<td>Boulder City</td>
<td>Lancaster</td>
<td>Pear Blossom</td>
<td></td>
</tr>
<tr>
<td>China Lake</td>
<td>Lone Pine</td>
<td>Tehachapi</td>
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Region 6 - Low Desert (California Climate Zone 13)

<table>
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<tr>
<th>City</th>
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<tbody>
<tr>
<td>Borrego Springs</td>
<td>Desert Hot Springs</td>
<td>Jacumba</td>
<td>Thermal</td>
</tr>
<tr>
<td>Blythe</td>
<td>Death Valley</td>
<td>Needles</td>
<td></td>
</tr>
<tr>
<td>Brawley</td>
<td>El Centro</td>
<td>Palm Desert</td>
<td></td>
</tr>
<tr>
<td>Coachella</td>
<td>Indian Wells</td>
<td>Palm Springs</td>
<td></td>
</tr>
<tr>
<td>Desert Center</td>
<td>Indio</td>
<td>Rancho Mirage</td>
<td></td>
</tr>
</tbody>
</table>

CATEGORIES OF WATER NEEDS

Plant species are evaluated as needing High, Moderate, Low, and Very Low amounts of irrigation water. Expressed as a percentage of reference evapotranspiration (ET₀), these categories are quantitatively defined as follows:

- **High (H)** = 70% - 90% ET₀
- **Moderate (M)** = 40% - 60% ET₀
- **Low (L)** = 10% - 30% ET₀
- **Very Low (VL)** = <10% ET₀
- **-** = Inappropriate
- **?** = Unknown
**Preferred Plant List - Potable Water**

<table>
<thead>
<tr>
<th>Botanical Name</th>
<th>Common Name</th>
<th>Regional Evaluation</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TREES</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acacia cognata</td>
<td>Bower Wattle</td>
<td>M M - -</td>
<td>Drought Tolerant / Can be short lived</td>
</tr>
<tr>
<td>Acacia pendula</td>
<td>Weeping Acacia</td>
<td>M M - L</td>
<td>Drought Tolerant / Can be short lived</td>
</tr>
<tr>
<td>Acacia stenophylla Shoe</td>
<td>Shoestring Acacia</td>
<td>L L - L</td>
<td>Drought Tolerant / Can be short lived</td>
</tr>
<tr>
<td>Arbutus unedo</td>
<td>Strawberry Tree</td>
<td>L L M M</td>
<td></td>
</tr>
<tr>
<td>Calocedrus Decumens (aka Libocedrus)</td>
<td>Incense Cedar</td>
<td>M M M -</td>
<td>California native Drought Tolerant</td>
</tr>
<tr>
<td>Cedrus atlantica ‘glauc<em>a’</em></td>
<td>Blue Atlas Cedar</td>
<td>L M M M</td>
<td>Drought Tolerant</td>
</tr>
<tr>
<td>Cedrus deodara</td>
<td>Deodar Cedar</td>
<td>L M M M</td>
<td></td>
</tr>
<tr>
<td>Cercis canadensis</td>
<td>Eastern Redbud</td>
<td>M M - -</td>
<td>Drought Tolerant</td>
</tr>
<tr>
<td>Cercis occidentalis</td>
<td>Western Redbud</td>
<td>L L - -</td>
<td>California native / Drought Tolerant</td>
</tr>
<tr>
<td>Cinnamonum camphora</td>
<td>Camphor Tree</td>
<td>M M - M</td>
<td>Drought Tolerant</td>
</tr>
<tr>
<td>Comus nuttallii</td>
<td>Western Dogwood</td>
<td>- M - -</td>
<td>California native / Drought Tolerant</td>
</tr>
<tr>
<td>Fraxinus oxycarpa ‘Raywood’*</td>
<td>Raywood Ash</td>
<td>M M M -</td>
<td>Invasive roots</td>
</tr>
<tr>
<td>Geijera parviflora</td>
<td>Australian Willow</td>
<td>L M M M</td>
<td>Drought Tolerant</td>
</tr>
<tr>
<td>Ginko biloba</td>
<td>Maidenhair Tree</td>
<td>M M M ?</td>
<td>Male variety only</td>
</tr>
<tr>
<td>Ilex vomitoria</td>
<td>Yaupon</td>
<td>L L M M</td>
<td></td>
</tr>
<tr>
<td>Jacaranda minosifolia</td>
<td>Jacaranda</td>
<td>M M - M</td>
<td></td>
</tr>
<tr>
<td>Lagerstroemia indica*</td>
<td>Crepe Myrtle</td>
<td>M M M M</td>
<td>Striking bark</td>
</tr>
<tr>
<td>Laurus nobilis</td>
<td>Sweet Bay</td>
<td>L L M M</td>
<td>Drought Tolerant / Culinary bay leaf</td>
</tr>
<tr>
<td>Leptospermum laevigatum -</td>
<td>Australian Tea Tree</td>
<td>L L - -</td>
<td>Drought Tolerant</td>
</tr>
<tr>
<td>Ligustrum lucidum*</td>
<td>Glossy Privet</td>
<td>M M M M</td>
<td>Reseeds</td>
</tr>
<tr>
<td>Lophostemon confertus</td>
<td>Brisbane Box</td>
<td>M M - -</td>
<td>Drought Tolerant</td>
</tr>
<tr>
<td>Magnolia grandiflora</td>
<td>Evergreen Magnolia</td>
<td>M M - H</td>
<td>White flower</td>
</tr>
<tr>
<td>Melaleuca linarifolia</td>
<td>Flax Leaf Paperbark</td>
<td>L L - -</td>
<td></td>
</tr>
<tr>
<td>Melaleuca quinquenervia</td>
<td>Punk Tree</td>
<td>M M - M</td>
<td>Drought Tolerant</td>
</tr>
<tr>
<td>Melaleuca styphelioides</td>
<td>Prickly-leaved Paperbark</td>
<td>L M - M</td>
<td>Drought Tolerant</td>
</tr>
<tr>
<td>Metrosideros excelsa</td>
<td>New Zealand Christmas Tree</td>
<td>M M - -</td>
<td>Drought Tolerant</td>
</tr>
<tr>
<td>Picea breweriana</td>
<td>Weeping Spruce</td>
<td>? ? ? ?</td>
<td></td>
</tr>
<tr>
<td>Pinus canariensis</td>
<td>Canary Island Pine</td>
<td>L M M M</td>
<td>California native</td>
</tr>
<tr>
<td>Pinus halepensis</td>
<td>Aleppo Pine</td>
<td>L L L L</td>
<td></td>
</tr>
<tr>
<td>Pistacia chinensis</td>
<td>Chinese Pistache</td>
<td>M M M M</td>
<td>Drought Tolerant</td>
</tr>
<tr>
<td>Pittosporum sp.</td>
<td>various</td>
<td>? ? - -</td>
<td>Drought Tolerant / Sensitive to severe frost / Water requirements vary - refer to WUCOLS III</td>
</tr>
<tr>
<td>Platanus acerifolia</td>
<td>London Plane Tree Sycamore</td>
<td>M M H H</td>
<td></td>
</tr>
<tr>
<td>Platanus racemosa</td>
<td>California sycamore</td>
<td>M M H H</td>
<td>Drought Tolerant</td>
</tr>
<tr>
<td>Podocarpus gracilior</td>
<td>Fem Pine</td>
<td>M M ? M</td>
<td>Drought Tolerant</td>
</tr>
<tr>
<td>Prunus cerasfera ‘atropurpurea’</td>
<td>Purple Leaf Plum</td>
<td>M M M M</td>
<td></td>
</tr>
<tr>
<td>Prunus ilicifolia</td>
<td>Hollyleaf Cherry</td>
<td>VL VL - -</td>
<td>Drought Tolerant / California native</td>
</tr>
<tr>
<td>Quercus agrifolia</td>
<td>Coast Live Oak</td>
<td>L L - M</td>
<td>Drought Tolerant / California Native</td>
</tr>
<tr>
<td>Botanical Name</td>
<td>Common Name</td>
<td>Regional Evaluation</td>
<td>Notes</td>
</tr>
<tr>
<td>--------------------------</td>
<td>--------------------</td>
<td>---------------------</td>
<td>--------------------------------------------</td>
</tr>
<tr>
<td><strong>Quercus ilex</strong></td>
<td>Holly Oak</td>
<td>L L M M</td>
<td>Drought Tolerant</td>
</tr>
<tr>
<td><strong>Quercus tomentella</strong></td>
<td>Island Oak</td>
<td>L - - -</td>
<td>Drought Tolerant / California Native</td>
</tr>
<tr>
<td><strong>Quercus suber</strong></td>
<td>Cork Oak</td>
<td>L L L L</td>
<td>Source of cork</td>
</tr>
<tr>
<td><strong>Quercus various varieties</strong></td>
<td>Deciduous and Evergreen</td>
<td>? ? ? ?</td>
<td>Drought Tolerant / Water requirements vary - refer to WUCOLS III</td>
</tr>
<tr>
<td><strong>Umbellularia californica</strong></td>
<td>California Bay</td>
<td>M M - -</td>
<td>Drought Tolerant</td>
</tr>
</tbody>
</table>

**SHRUBS / PERENNIALS**

<p>| Abelia floribunda        | Mexican Abelia     | M M - -             |                                            |
| Abelia x grandiflora     | Glossy Abelia      | M M - -             |                                            |
| Anisodontea sp.          | Cape Mallow        | M M - M             | Drought Tolerant                          |
| Arctostaphylos sp.       | Manzanita           | L L - -             | Drought Tolerant / County native          |
| Artemisia sp.            | Sagebrush/Wormwood | L L L L             | Drought Tolerant                          |
| Bougainvillea sp.        | Bougainvillea      | L L - M             | Drought Tolerant                          |
| Buxus microphylla japonica | Japanese Boxwood   | M M M M             | Drought Tolerant / Frutig shrub           |
| Carissa macrocarpa various varieties | Natal Plum       | M M - M             |                                            |
| Ceanothus gloriosus      | Pt. Reyes Ceanothus| VL L L -             | Drought Tolerant / California native      |
| Ceanothus griseus        | Camel Creeper      | VL L L -             | Drought Tolerant / California native      |
| Ceanothus cultivars      | Wild Lilac         | L L L -             | California native                         |
| Cercis canadensis        | Forest pansy       | M M - -             |                                            |
| Cercis occidentalis      | Western Redbud     | L L - -             | California native                         |
| Chaenomeles sp.          | Flowering Quince   | M M L M             | Many varieties                            |
| Coleonema sp.            | Breath of Heaven   | M M - -             | Drought Tolerant                          |
| Correa sp.               | Australian Fuchsia | L L - M             | Drought Tolerant                          |
| Dianella tasmanica       | Blueberry          | M M - ?             | Drought Tolerant                          |
| Dietes sp.               | Fortnight Lily     | M M - M             | Drought Tolerant                          |
| Dodonea viscose ‘purpurea’* | Purple Hopseed Bush | L M - M             | Drought Tolerant / Sensitive to severe frost |
| Escallonia various varieties | No Common Name     | M M - M             | Wide variety of sizes                      |
| Euonymous fortunei and cultivars | No Common Name | M M M -             |                                            |
| Euryops pectinatus       | Bush Daisy         | L L M M             | Drought Tolerant / Dark green or grey green foliage |
| Garrya elliptica         | Coast Siltkassel   | L M - -             | California native                         |
| Heteromeles arbutifolia  | Toyon              | L L - -             | Drought Tolerant / California native      |
| Lavandula angutifolia    | English Lavender   | L L M M             |                                            |
| Lavandula stoechas       | Spanish Lavender   | L L M M             | Drought Tolerant                          |
| Lavatera assurgentiflora| Tree Mallow        | L L - M             | Drought Tolerant / California Native      |
| Leptospermum scoparium    | New Zealand Tea Tree| M M - -             | Drought Tolerant / Sensitive to severe frost |
| Mahonia aquifolium       | Oregon Grape       | M M M M             | Drought Tolerant / California native      |
| Myrtus communis          | Common Myrtle      | L M M M             | Drought Tolerant                          |
| Nandina domestica        | Heavenly Bamboo    | L M M M             | Drought Tolerant / Many varieties; not a bamboo |</p>
<table>
<thead>
<tr>
<th>Botanical Name</th>
<th>Common Name</th>
<th>Regional Evaluation</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phormium tenax and cultivars</td>
<td>New Zealand Flax</td>
<td>L M - M</td>
<td>Drought Tolerant</td>
</tr>
<tr>
<td>Photinia fraseri</td>
<td>Photinia</td>
<td>M M M M</td>
<td></td>
</tr>
<tr>
<td>Pinus mugo</td>
<td>Mugo Pine</td>
<td>- M M -</td>
<td>Drought Tolerant</td>
</tr>
<tr>
<td>Pittosporum various varieties</td>
<td>various</td>
<td>? ? ? ?</td>
<td>Water requirements vary - refer to WUCOLS III</td>
</tr>
<tr>
<td>Rhamnus alaternus</td>
<td>Italian Buckthorn</td>
<td>L M - -</td>
<td>Drought Tolerant</td>
</tr>
<tr>
<td>Rhamnus californica</td>
<td>California Coffee Berry</td>
<td>VL L - M</td>
<td>Drought Tolerant / California native</td>
</tr>
<tr>
<td>Rhaphiolepis indica and cultivars</td>
<td>Yeddo</td>
<td>M M M M</td>
<td></td>
</tr>
<tr>
<td>Ribes sanguineum var. glutinosum</td>
<td>Red Flowering Currant Hawthorne</td>
<td>L M - -</td>
<td>Drought Tolerant / California native</td>
</tr>
<tr>
<td>Rosa sp.</td>
<td>Rose</td>
<td>M M H H</td>
<td>Many varieties</td>
</tr>
<tr>
<td>Rosmarinus officinalis &amp; cultivars</td>
<td>Rosemary</td>
<td>L L M M</td>
<td>Drought Tolerant / Prostrate and upright forms</td>
</tr>
<tr>
<td>Santolina chamaecyparissus</td>
<td>Lavender Cotton</td>
<td>L L L L</td>
<td>Drought Tolerant</td>
</tr>
<tr>
<td>Senecio mandraliscae</td>
<td>No Common Name</td>
<td>L L - -</td>
<td>Drought Tolerant</td>
</tr>
<tr>
<td>Thymus serphyllum and other varieties</td>
<td>Creeping Thyme</td>
<td>M M M M</td>
<td>Drought Tolerant</td>
</tr>
<tr>
<td>Rosa banksiae</td>
<td>Lady Banks Rose</td>
<td>M M M M</td>
<td>Drought Tolerant / California native / Can be short lived</td>
</tr>
</tbody>
</table>

### GROUNDCOVERS AND VINES

<table>
<thead>
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<th>Common Name</th>
<th>Regional Evaluation</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acacia redolens “Low Boy”</td>
<td>Low Boy Acacia</td>
<td>L L L L</td>
<td>Drought Tolerant / Can be short lived</td>
</tr>
<tr>
<td>Aptenia cordifolia</td>
<td>No Common Name</td>
<td>L L - H</td>
<td>Drought Tolerant</td>
</tr>
<tr>
<td>Arctostaphylos densiflora</td>
<td>Vine Hill Manzanita</td>
<td>L L - -</td>
<td>Drought Tolerant</td>
</tr>
<tr>
<td>Arctostaphylos uva-ursi</td>
<td>Bearberry</td>
<td>L L - -</td>
<td>Drought Tolerant / California native</td>
</tr>
<tr>
<td>Bougainvillea spectabilis</td>
<td>Bougainvillea</td>
<td>L L - M</td>
<td>Drought Tolerant</td>
</tr>
<tr>
<td>Baccharis pilaris</td>
<td>Dwarf Coyote Bush</td>
<td>L L - -</td>
<td>Drought Tolerant / California native</td>
</tr>
<tr>
<td>Cotoneaster sp. groundcover</td>
<td>Cotoneaster</td>
<td>M M M M</td>
<td>Drought Tolerant</td>
</tr>
<tr>
<td>Dymondia margaretae</td>
<td>No Common Name</td>
<td>L L - -</td>
<td></td>
</tr>
<tr>
<td>Gazania sp.</td>
<td>Gazania</td>
<td>M M M M</td>
<td></td>
</tr>
<tr>
<td>Juniperus sp.</td>
<td>various</td>
<td>L M M M M</td>
<td>Drought Tolerant / Many varieties</td>
</tr>
<tr>
<td>Lantana montevidensis and cultivars</td>
<td>Lantana</td>
<td>L L - M</td>
<td>Drought Tolerant</td>
</tr>
<tr>
<td>Myoporumb parvifolium ‘prostratum’ and cultivars</td>
<td>Prostrate Myoporum</td>
<td>L L - M</td>
<td>Plant in non-traffic areas</td>
</tr>
<tr>
<td>Santolina chamaecyparissus</td>
<td>Lavender Cotton</td>
<td>L L L L</td>
<td>Drought Tolerant</td>
</tr>
<tr>
<td>Senecio mandraliscae</td>
<td>No Common Name</td>
<td>L M - -</td>
<td>Drought Tolerant</td>
</tr>
<tr>
<td>Thymus serphyllum and other varieties</td>
<td>Creeping Thyme</td>
<td>M M M M</td>
<td>Drought Tolerant</td>
</tr>
<tr>
<td>Rosa banksiae</td>
<td>Lady Banks Rose</td>
<td>M M M M</td>
<td>Drought Tolerant / California native / Can be short lived</td>
</tr>
</tbody>
</table>

### PERENNIALS, ORNAMENTAL GRASSES AND FERNS

<table>
<thead>
<tr>
<th>Botanical Name</th>
<th>Common Name</th>
<th>Regional Evaluation</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acanthus mollis</td>
<td>Bear's Breach</td>
<td>M M - M</td>
<td>Drought Tolerant / California native / Water requirements vary - refer to WUCOLS III</td>
</tr>
<tr>
<td>Achillea sp.</td>
<td>Yarrow</td>
<td>? ? ? ?</td>
<td></td>
</tr>
<tr>
<td>Agapanthus africanaus</td>
<td>Lily of the Nile</td>
<td>M M - M</td>
<td>Drought Tolerant</td>
</tr>
<tr>
<td>Aquilegia sp.</td>
<td>Columbine</td>
<td>M M M M</td>
<td>Drought Tolerant / California native / Can be short lived</td>
</tr>
<tr>
<td>Botanical Name</td>
<td>Common Name</td>
<td>Regional Evaluation</td>
<td>Notes</td>
</tr>
<tr>
<td>--------------------------------------------</td>
<td>-------------------</td>
<td>---------------------</td>
<td>-----------------------------------------</td>
</tr>
<tr>
<td>Armeria maritima</td>
<td>Sea Thrift</td>
<td>M M M M M</td>
<td>Drought Tolerant / California native</td>
</tr>
<tr>
<td>Centaurea cineraria</td>
<td>Dusty Miller</td>
<td>M M - M</td>
<td>Drought Tolerant</td>
</tr>
<tr>
<td>Erigeron karvinskianus</td>
<td>Fleebane</td>
<td>M M M M</td>
<td>Drought Tolerant</td>
</tr>
<tr>
<td>Eschscholzia californica</td>
<td>California Poppy</td>
<td>L L L L</td>
<td>Drought Tolerant / California native</td>
</tr>
<tr>
<td>Festuca glauca</td>
<td>Blue Fescue</td>
<td>M M M M</td>
<td>Drought Tolerant</td>
</tr>
<tr>
<td>Gaillardia x grandiflora</td>
<td>Blanket Flower</td>
<td>M M M M</td>
<td></td>
</tr>
<tr>
<td>Hemerocallis sp</td>
<td>Day Lily</td>
<td>M M M M</td>
<td>Many varieties</td>
</tr>
<tr>
<td>Heuchera sanguinea</td>
<td>Coral Bells</td>
<td>M M M M</td>
<td>California native</td>
</tr>
<tr>
<td>Penstemon wild sp.</td>
<td>Penstemon</td>
<td>L L L L</td>
<td>Drought Tolerant / California native</td>
</tr>
<tr>
<td>Polystichum munitum</td>
<td>Western Sword Fern</td>
<td>M H - H</td>
<td>California native</td>
</tr>
<tr>
<td>Sedum sp.</td>
<td>Stonecrop</td>
<td>L L L L</td>
<td>Drought Tolerant</td>
</tr>
<tr>
<td>Stachys byzantina</td>
<td>Lamb’s Ears</td>
<td>M M - M</td>
<td>Drought Tolerant</td>
</tr>
<tr>
<td>Tulbaghia violacea</td>
<td>Society Garlic</td>
<td>M M - M</td>
<td>Sensitive to frost</td>
</tr>
<tr>
<td>Zauschneria californica (aka Epilobium)</td>
<td>California Fuchsia</td>
<td>VL L M M</td>
<td>Drought Tolerant / California native; many varieties</td>
</tr>
</tbody>
</table>
### Preferred Plant List - Recycled Water

The following plant materials list consists of drought tolerant, low water use plants that are appropriate to use in the County of Los Angeles, and are the preferred plant material to use for recycled water.

<table>
<thead>
<tr>
<th>Botanical Name</th>
<th>Common Name</th>
<th>Regional Evaluation</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TREES</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acacia greggii</td>
<td>Catclaw Acacia</td>
<td>L L L L</td>
<td>Drought Tolerant / California native</td>
</tr>
<tr>
<td>Acer buergerianum</td>
<td>Trident Maple</td>
<td>M - - -</td>
<td></td>
</tr>
<tr>
<td>Acer campestre</td>
<td>Hedge Maple</td>
<td>? ? - -</td>
<td></td>
</tr>
<tr>
<td>Arbutus unedo</td>
<td>Strawberry Tree</td>
<td>L L M M</td>
<td></td>
</tr>
<tr>
<td>Butia capitata</td>
<td>Pindo Palm</td>
<td>L L L L</td>
<td></td>
</tr>
<tr>
<td>Casuarina cunninghamiana</td>
<td>River She-Oak</td>
<td>L L M M</td>
<td></td>
</tr>
<tr>
<td>Casuarina stricta</td>
<td>Beefwood</td>
<td>L L M M</td>
<td>Drought Tolerant</td>
</tr>
<tr>
<td>Cedrus deodara</td>
<td>Deodar Cedar</td>
<td>L M M M</td>
<td>Drought Tolerant</td>
</tr>
<tr>
<td>Cercis occidentalis</td>
<td>Western Redbud</td>
<td>L L - -</td>
<td>Drought Tolerant / California native</td>
</tr>
<tr>
<td>Cercocarpus betuloides</td>
<td>Hardtack - Mountain Mohogany</td>
<td>VL VL VL -</td>
<td>Drought Tolerant / California native</td>
</tr>
<tr>
<td>Cupressocyparis leylandi</td>
<td>Leyland Cypress</td>
<td>M - M M</td>
<td></td>
</tr>
<tr>
<td>Cupressus sempervirens</td>
<td>Italian Cypress</td>
<td>L L M M</td>
<td>Drought Tolerant</td>
</tr>
<tr>
<td>Jacaranda acutifolia</td>
<td>Jacaranda</td>
<td>M M - -</td>
<td>Drought Tolerant</td>
</tr>
<tr>
<td>Juniperus californica</td>
<td>California Juniper</td>
<td>L L L L</td>
<td>Drought Tolerant / California native</td>
</tr>
<tr>
<td>Melaleuca spp.</td>
<td>Melaleuca</td>
<td>? ? - -</td>
<td>Drought Tolerant</td>
</tr>
<tr>
<td>Metrosideros excelsa</td>
<td>New Zealand Christmas Tree</td>
<td>M M - -</td>
<td>Drought Tolerant</td>
</tr>
<tr>
<td>Phoenix dactylifera</td>
<td>Date Palm</td>
<td>L L M M</td>
<td></td>
</tr>
<tr>
<td>Platanus racemosa</td>
<td>California Sycamore</td>
<td>M M H H</td>
<td>Drought Tolerant / California native</td>
</tr>
<tr>
<td>Prunus ilicifolia</td>
<td>Hollyleaf Cherry</td>
<td>VL VL - -</td>
<td>California native</td>
</tr>
<tr>
<td>Prunus lyonii</td>
<td>Catalina Cherry</td>
<td>L L - -</td>
<td>California native</td>
</tr>
<tr>
<td>Quercus agrifolia</td>
<td>Coast Live Oak</td>
<td>L L - -</td>
<td>Drought Tolerant / California native</td>
</tr>
<tr>
<td>Quercus rubra</td>
<td>Northern Red Oak</td>
<td>- M - -</td>
<td>Drought Tolerant</td>
</tr>
<tr>
<td>Quercus virginiana</td>
<td>Southern Live Oak</td>
<td>M M M M</td>
<td>Drought Tolerant / California native</td>
</tr>
<tr>
<td>Sophora japonica</td>
<td>Japanese Pagoda Tree</td>
<td>M M M M</td>
<td></td>
</tr>
<tr>
<td>Ziziphus jujuba</td>
<td>Jujube, Chinese Date</td>
<td>L M M M</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Botanical Name</th>
<th>Common Name</th>
<th>Regional Evaluation</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SHRUBS / PERENNIALS</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acacia redolens</td>
<td>Redolen Acacia</td>
<td>L L L L</td>
<td>Drought Tolerant / California native</td>
</tr>
<tr>
<td>Botanical Name</td>
<td>Common Name</td>
<td>Regional Evaluation</td>
<td>Notes</td>
</tr>
<tr>
<td>----------------------</td>
<td>-------------------</td>
<td>---------------------</td>
<td>----------------------------------------------------------------------</td>
</tr>
<tr>
<td>Agave spp.</td>
<td>Agave</td>
<td>L L - L</td>
<td>Drought Tolerant / Sensitive to severe frost. Agave attenuata is limited to region 3</td>
</tr>
<tr>
<td>Aloe spp.</td>
<td>Aloe</td>
<td>L L - L</td>
<td>Sensitive to severe frost</td>
</tr>
<tr>
<td>Artemisia pycnocephala</td>
<td>Sandhill Sage</td>
<td>L L L L</td>
<td>Drought Tolerant / California native</td>
</tr>
<tr>
<td>Buxus japonica</td>
<td>Japanese Boxwood</td>
<td>M M M M</td>
<td>Drought Tolerant</td>
</tr>
<tr>
<td>Carissa macrocarpa</td>
<td>Natal Plum</td>
<td>M M - M</td>
<td>Drought Tolerant</td>
</tr>
<tr>
<td>Ceanothus gloriosus</td>
<td>Pt. Reyes Ceanothus</td>
<td>VL L L -</td>
<td>Drought Tolerant / California native</td>
</tr>
<tr>
<td>Ceanothus thyrsiflorus</td>
<td>Blue Blossom</td>
<td>VL L L L</td>
<td>Drought Tolerant / California native</td>
</tr>
<tr>
<td>Coleonema spp.</td>
<td>Breath of Heaven</td>
<td>M M - -</td>
<td>Drought Tolerant</td>
</tr>
<tr>
<td>Dieteria irioideae</td>
<td>Fortnight Lily</td>
<td>M M - M</td>
<td>Drought Tolerant</td>
</tr>
<tr>
<td>Eriogonum fasciculatum</td>
<td>California Buckwheat</td>
<td>VL L L L</td>
<td>Drought Tolerant / California native</td>
</tr>
<tr>
<td>Escallonia rubra</td>
<td>Escallonia</td>
<td>M M - M</td>
<td></td>
</tr>
<tr>
<td>Euonymus japonica</td>
<td>Evergreen Euonymus</td>
<td>M M M M</td>
<td></td>
</tr>
<tr>
<td>Fremontia californica</td>
<td>California Flannel Bush</td>
<td>VL L - -</td>
<td>Drought Tolerant / California native</td>
</tr>
<tr>
<td>Heteromeles arbutifolia</td>
<td>Toyon</td>
<td>L L - -</td>
<td>Drought Tolerant / California native</td>
</tr>
<tr>
<td>Juniperus virginiana “Skyrocket”</td>
<td>Skyrocket Juniper</td>
<td>L M M M</td>
<td>Drought Tolerant</td>
</tr>
<tr>
<td>Lavatera assurgentiflora</td>
<td>Tree Mallow</td>
<td>L L - M</td>
<td>Drought Tolerant / California native</td>
</tr>
<tr>
<td>Leucophyllum frutescens</td>
<td>Texas Ranger</td>
<td>L L L L</td>
<td>Drought Tolerant</td>
</tr>
<tr>
<td>Leucophyta browni</td>
<td>Cushion Bush</td>
<td>? ? - -</td>
<td></td>
</tr>
<tr>
<td>Myoporum parvifolium</td>
<td>Myoporum</td>
<td>L L - M</td>
<td>Drought Tolerant / Many forms</td>
</tr>
<tr>
<td>Myrtus communis</td>
<td>Tree Myrtle</td>
<td>L M M M</td>
<td>Drought Tolerant</td>
</tr>
<tr>
<td>Rhamnus californica</td>
<td>Coffeeberry</td>
<td>VL L - M</td>
<td>Drought Tolerant / California native</td>
</tr>
<tr>
<td>Rhapiolepis indica</td>
<td>Indian Hawthom</td>
<td>M M M M</td>
<td>Drought Tolerant once established</td>
</tr>
<tr>
<td>Rosmarinus officinalis</td>
<td>Rosemary</td>
<td>L L M M</td>
<td>Drought Tolerant</td>
</tr>
<tr>
<td>Senna (Cassia) artemisioides</td>
<td>Feathery Cassia</td>
<td>L L L L</td>
<td>Drought Tolerant / Sensitive to severe frost</td>
</tr>
<tr>
<td>Simmondsia chinensis</td>
<td>Jojoba</td>
<td>VL VL L L</td>
<td>Drought Tolerant / California native- Sensitive to severe frost</td>
</tr>
<tr>
<td>Yucca aloifolia</td>
<td>Spanish Bayonet</td>
<td>L L L L</td>
<td>Drought Tolerant / Sensitive to severe frost</td>
</tr>
</tbody>
</table>

GROUNDCOVERS AND VINES
<table>
<thead>
<tr>
<th>Botanical Name</th>
<th>Common Name</th>
<th>Regional Evaluation</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baccharis spp.</td>
<td>Coyote Brush/Desert Broom</td>
<td>L L - -</td>
<td>Drought Tolerant / California native</td>
</tr>
<tr>
<td>Bougainvillea spectabilis</td>
<td>Bougainvillea</td>
<td>L L - M</td>
<td>Drought Tolerant / Sensitive to severe frost</td>
</tr>
<tr>
<td>Gazania spp.</td>
<td>Gazania</td>
<td>M M M M</td>
<td>Drought Tolerant</td>
</tr>
<tr>
<td>Lonicera hildebrandiana</td>
<td>Giant Honeysuckle</td>
<td>M M M M</td>
<td>Drought Tolerant</td>
</tr>
<tr>
<td>Oenothera speciosa</td>
<td>Evening Primrose</td>
<td>L L M M</td>
<td>Drought Tolerant / Dies quickly of root rot if over-watered</td>
</tr>
<tr>
<td>Plumbago auriculata</td>
<td>Cape Plumbago</td>
<td>M M - M</td>
<td>Drought Tolerant</td>
</tr>
<tr>
<td><strong>PERENNIALS, ORNAMENTAL GRASSES AND FERNS</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bromus carinatus</td>
<td>California Brome</td>
<td>? ? - -</td>
<td>Drought Tolerant / California native</td>
</tr>
<tr>
<td>Deschampsia elongata</td>
<td>Slender Hairgrass</td>
<td>L L - -</td>
<td>Drought Tolerant</td>
</tr>
<tr>
<td>Drosanthemum hispidum</td>
<td>Rose Iceplant</td>
<td>L L - L</td>
<td>Drought Tolerant</td>
</tr>
<tr>
<td>Elymus glaucus</td>
<td>Blue Wildrye</td>
<td>L L M M</td>
<td>Drought Tolerant / California native</td>
</tr>
<tr>
<td>Festuca californica</td>
<td>California Fescue</td>
<td>M M M M</td>
<td>California native</td>
</tr>
<tr>
<td>Muhlenbergia rigens</td>
<td>Deer Grass</td>
<td>L M M M</td>
<td>Susceptible to fungi</td>
</tr>
<tr>
<td>Sporobolus airoides</td>
<td>Alkali Sakaton</td>
<td>? ? ? L</td>
<td>California native</td>
</tr>
<tr>
<td>Stipa pulchra</td>
<td>Purple Needlegrass</td>
<td>VL L L L</td>
<td>California native</td>
</tr>
<tr>
<td>Zoysia tenuifolia</td>
<td>Zoysia Grass</td>
<td>M M M M</td>
<td></td>
</tr>
</tbody>
</table>
Do Not Use - Plant List

The following list consists of plant material we consider inappropriate for our parkland. These plants may be invasive\(^1\), short lived, delicate, require intensive maintenance or a strong attractant to bees. Do not use the plants listed.

- **Acacia dealbata** - Silver Wattle
- **Acacia cyclops** - Western Coastal Wattle
- **Acacia dealbata** - Silver Wattle
- **Acacia decumens** - Green Wattle
- **Acacia longifolia** - Golden Wattle
- **Acacia melanoxylon** - Black Acacia, Blackwood Acacia
- **Acacia paradoxa** - Kangaroothom
- **Agrostis avenacea** - Pacific Bentgrass
- **Agrostis stolonifera** - Creeping Bentgrass
- **Albizia lophantha** - Plume Acacia
- **Asparagus asparagoides** - Bridal Creeper
- **Asparagus asparagoides** - Bridal Creeper
- **Atriplex semibaccata** - Australian Saltbush
- **Bellis Perennis** - English Daisy
- **Bromus sp.** - Brome (Bromus carinatus - California Brome is acceptable)
- **Callistemon citrinus** - Crimson Bottlebrush
- **Callistemon viminalis** - Weeping Bottlebrush
- **Carpobrotus sp.** - Iceplant
- **Centaurea sp.** - Knapweed / Starthistle
- **Chrysanthemum coronarium** - Crown Daisy
- **Cirsium sp.** - Thistle
- **Cistus laurifolium** - Rockrose
- **Convolvulus arvensis** - Bindweed
- **Cortaderia Selloana** - Pampasgrass
- **Cotoneaster Lacteus** - Peacey's Cotoneaster
- **Cotoneaster Pannosus** - Silverleaf Cotoneaster
- **Crocosmia X crocosmiiflora** - Montbretia
- **Cynodon dactylon** - Bermudagrass
- **Cytisus sp.** - Broom
- **Digitalis purpurea** - Foxglove
- **Dimorphotheca sinuata** - African Daisy
- **Dipsacus sp.** - Teasel
- **Echium candicans** - Pride-Of-Madeira
- **Elaeagnus Angustifolia** - Russian-Olive
- **Erodium sp.** - Filarree
- **Eucalyptus camaldulensis** - Red Gum
- **Eucalyptus globulus** - Tasmanian Blue Gum
- **Euphorbia sp.** - Spurge
- **Festuca arundinacea** - Tall Fescue
- **Ficus carica** - Fig
- **Foeniculum vulgare** - Fennel
- **Fraxinus uhdei** - Tropical Ash
- **Fraxinus velutina 'Modesto'** - Velvet Ash
- **Genista Monspessulana** - French Broom
- **Hedera helix, H. canariensis** - English Ivy, Algerian Ivy
- **Helichrysum petiolare** - Licoriceplant
- **Hypericum sp.** - Fennial
- **Iris Pseudacorus** - Yellow Flag Iris
- **Leucanthemum Vulgare** - Ox-Eye Daisy
- **Lobularia maritima** - Sweet Alyssum
- **Lotus corniculatus** - Birdsfoot Trefoil
- **Ludwigia sp.** - Primrose
- **Myoporum laetum** - Myoporum
- **Nicotiana Glauca** - Tree Tobacco
- **Olea Europaea** - Olive
- **Onopordum Acanthium** - Scotch Thistle
- **Oxalis sp.** - Clover
- **PARKinsonia aculeata** - Mexican Palo Verde
- **Pennisetum clandestinum** - Kikuyugrass
- **Pennisetum setaceum** - Crimson Fountaingrass
- **Phoenix canariensis** - Canary Island Date Palm
- **Picea pungens glauca** - Blue Spruce
- **Poa Pratensis** - Kentucky Bluegrass
- **Populus fremontii** - Western cottonwood
- **Prunus Cerasifera** - Cherry Plum
- **Pyraanthia sp.** - Firethom
- **Pyrus calleryana** - Callery Pear
- **Pyrus kawakamii** - Evergreen Pear
- **Ranunculus Repens** - Creeping Buttercup
- **Ranunculus semperflorens** - Bridal Broo
- **Robinia pseudoacacia** - Black Locust
- **Schinus molle** - California Peppertree
- **Schinus terebinthifolius** - Brazilian Peppertree
- **Solanum elaeagnifolium** - Silverleaf Nightshade
- **Spartium junceum** - Spanish broom
- **Spartium junceum** - Spanish Broom
- **Vinca minor** - Periwinkle
- **Washingtonia robusta** - Mexican Fan Palm
- **Zantedeschia aethiopica** - Calla Lily

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\(^1\) For more information refer to the publication "The California Invasive Plant Inventory" by the California Invasive Plant Council (Cal-IPC) http://www.cal-ipc.org/ip/inventory/index.php
## LOCAL PARK SYSTEM

<table>
<thead>
<tr>
<th>FACILITY</th>
<th>ACRES PER THOUSAND POPULATION</th>
<th>SUGGESTED ACREAGE*</th>
<th>SERVICE AREA</th>
<th>TYPICAL PARK FEATURES / AMENITIES</th>
</tr>
</thead>
</table>
| Community Park         | 4 / 1,000                    | 10 - 20 acres      | 1 - 2 mile   | **Passive Park Amenities** including but not limited to: informal open play areas, children's play apparatus, family and group picnic areas with overhead shelters, barbecues  
**Active Sports Activities** including but not limited to: lighted sports fields, basketball courts and tennis courts  
**Additional amenities** may include: aquatics complex, skate park, arena soccer, rollerhockey, community gardens and dog parks  
**Park Facilities** including but not limited to: public restrooms, concession building, community buildings, maintenance building and on-site parking and informational kiosks |
| Neighborhood Park      | 4 / 1,000                    | 3 - 10 acres       | 1/2 mile     | **Passive Park Amenities** including but not limited to: informal open play areas, children's play apparatus, family picnic areas with overhead shelters, barbecues  
**Active Sports Activities** including but not limited to: practice sports fields, basketball, tennis and volleyball courts  
**Park Facilities** including but not limited to: public restroom, on-site parking and informational kiosk |
| Pocket Park            | 4 / 1,000                    | less than 3 acres  | 1/4 mile     | **Passive Park Amenities** including but not limited to: picnic areas and seating areas  
**Active Park Amenities** including but not limited to: children's play apparatus  
**Varies - can include:** plazas, rest areas, playgrounds, landmarks and public art installations |
| Park Node              | 4 / 1,000                    | 1/4 acre or less   | no service radius area | **Varies - can include:** plazas, rest areas, playgrounds, landmarks and public art installations |

## REGIONAL PARK SYSTEM

<table>
<thead>
<tr>
<th>FACILITY</th>
<th>ACRES PER THOUSAND POPULATION</th>
<th>SUGGESTED ACREAGE*</th>
<th>SERVICE AREA</th>
<th>TYPICAL PARK FEATURES / AMENITIES</th>
</tr>
</thead>
</table>
| Community Regional Park| 6 / 1,000                    | 20 - 100 acres     | up to 20 miles | **Passive Park Amenities** including but not limited to: informal open play areas, children's play apparatus, family and group picnic areas with overhead shelters and barbecues  
**Active Sports Activities** including but not limited to: lighted sports fields, basketball courts and tennis courts  
**Additional features** may include one or more of the following features: multiple sports facilities, aquatics center, fishing lake, community building and gymnasium and outstanding views and vistas.  
**Park Facilities** including but not limited to: public restrooms, concession building, maintenance building, informational kiosks and on-site parking |
| Regional Park          | 6 / 1,000                    | greater than 100 acres | 25+ acres    | **Passive Park Amenities** including but not limited to: group picnic areas with overhead shelters and barbecues  
**Additional amenities** may include one or more of the following features: lakes, wetlands, auditoriums, water bodies and campgrounds, water bodies for swimming, fishing and boating, and sports fields |
| Special Use Facility   | 6 / 1,000                    | no size criteria   | no assigned service radius area | **Generally single purpose facilities.** Uses can include passive features such as: wilderness parks, nature preserves, botanical gardens and nature centers  
**Active uses can include:** performing arts, water parks, aquatic facilities, skate parks, golf driving ranges and golf courses |

*Actual park acreage is determined based on land availability and community needs and demands. 8.15.09
References and Resources

SECURITY AND SAFETY
Crime Prevention Through Environmental Design, Second Edition by Timothy Crowe M.S. Criminology - Florida State University, NCPI


SUSTAINABLE SITE DESIGN
“The Sustainable Sites Initiative” http://www.sustainablesites.org/


PLAYGROUNDS


SALT TOLERANT PLANT MATERIAL
Salt Management Guide for Landscape Irrigation with Recycled Water in Coastal Southern California

By Kenneth Tanji1, Stephen Grattan2, Catherine Grieve3, Ali Harivandi4, Larry Rollins5, David Shaw6, Bahman Sheikh7, and Lin Wu8

INVASIVE PLANT MATERIAL
California Invasive Plant Council (Cal-IPC) - http://www.cal-ipc.org/

California Weed Science Society (CWSS) - http://www.cwss.org/

Weed Research and Information Center (WeedRIC) - http://wric.ucdavis.edu/

Weed Science Society of America (WSSA) - http://www.wssa.net/

Western Society of Weed Science (WSWS) - http://www.wsweed-science.org/

STORMWATER MANAGEMENT

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