

# City of San Luis



**Draft Text**

## Recreational Amenities Standards

## **1.0 Submittal Procedures**

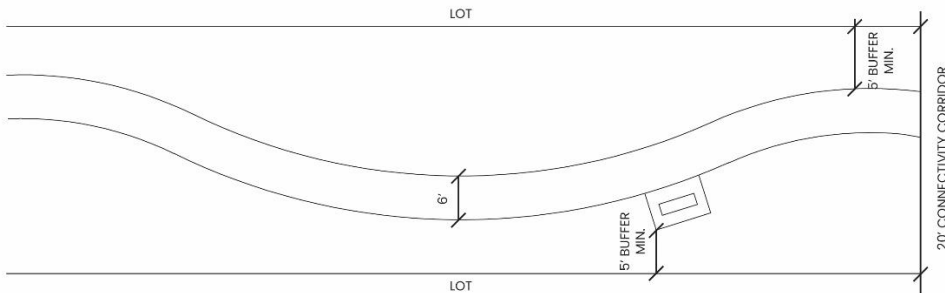
1. The developer is required to submit parks and open space preliminary plans to the San Luis Parks and Recreation Department for review and approval prior to approval of the Preplat. The following information is required:
  - a. Total required acres for the development
  - b. Total provided acres
  - c. List of amenities and manufacturer/model if applicable based on the requirements below.
  - d. Statement confirming that the final design shall meet the requirements listed below.
2. The developer is required to submit final construction documents to the San Luis Parks and Recreation Department for review and approval prior to approval of the plat.

## **2.0 General Overview**

### **ADA accessibility**

All sidewalks shall be concrete will be installed as required in the geotechnical report. Sidewalks that carry vehicular roads shall have a profile that meets the load requirements. All sidewalks shall be installed per current ADA standards. At least two points of ADA accessible entry will be provided into any basins. Avoid ADA ramps (greater than 5%) with railings where possible.

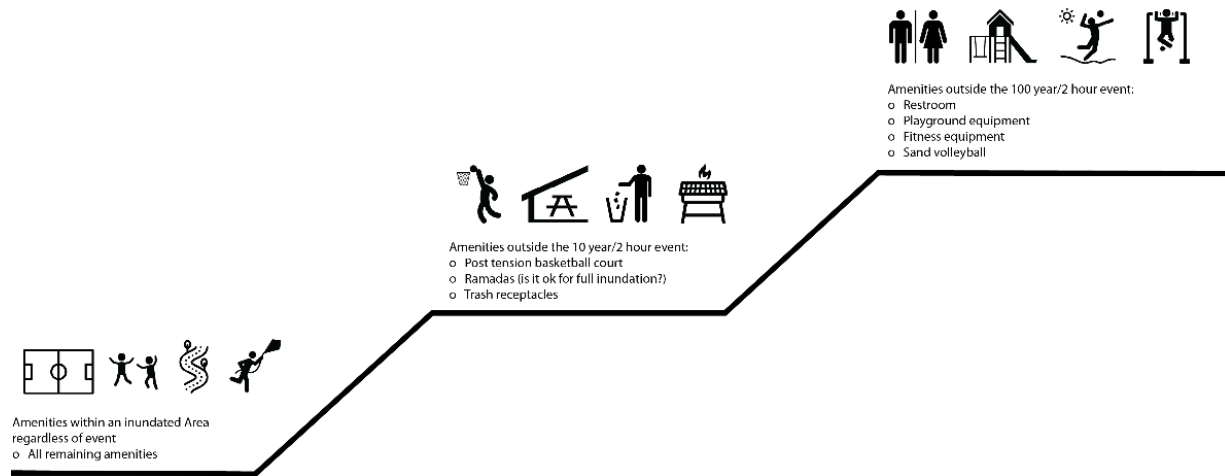
## Connectivity



If a 5 acre park needs to be divided into several pocket neighborhood parks, due to drainage requirement, the acreage can be added up, only if pocket neighborhood parks are connected. The amenities may be distributed within the resulting open space locations provided the following criteria are met:

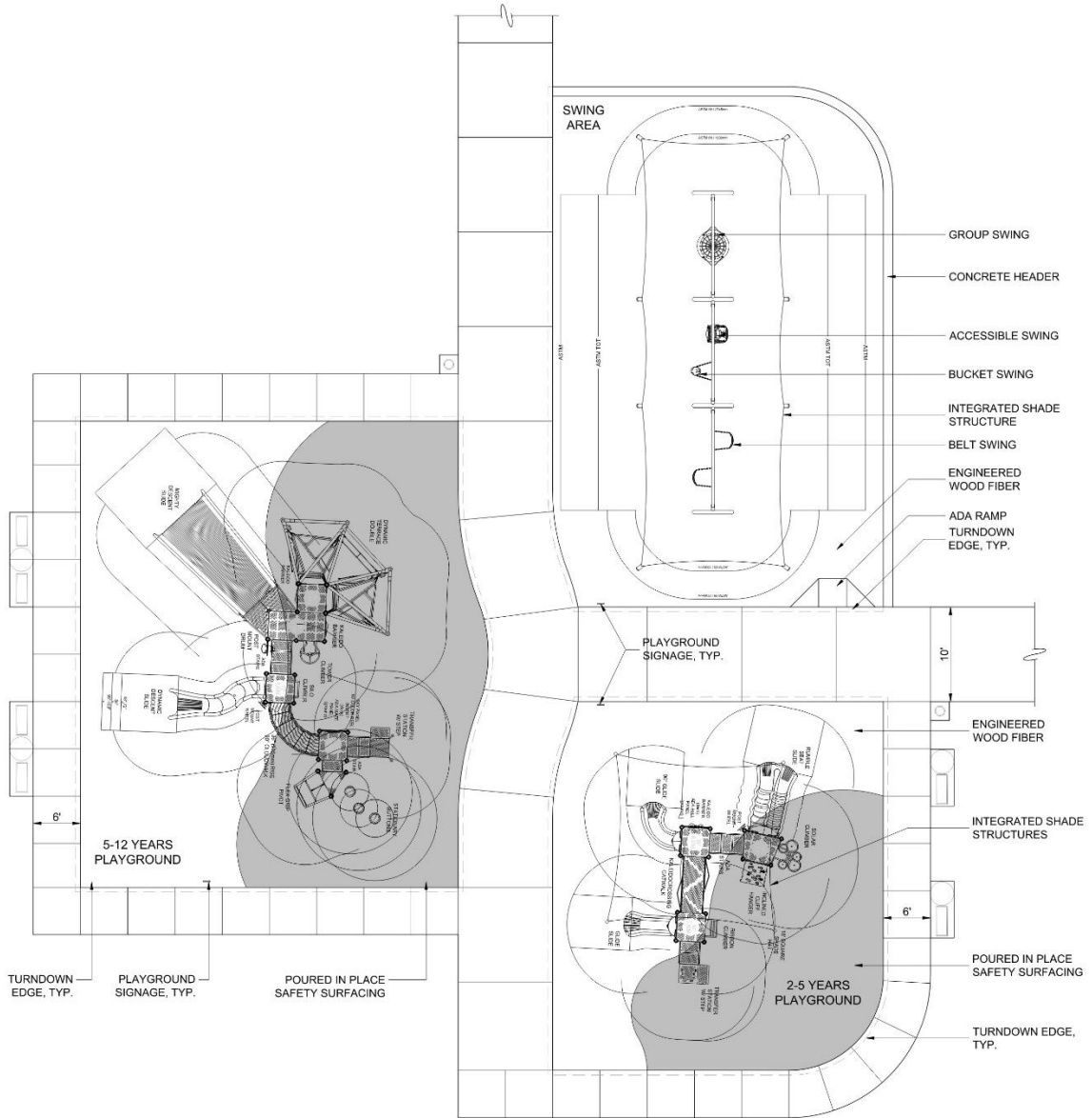
1. Continuous access between the open spaces are provided via connecting paved concrete paths. The minimum width of the corridor shall be 30'. The sidewalk shall meander and not be paved as a straight line. If multiple open spaces exist, amenities can be distributed. Connectivity via open space and pathways between open spaces are required. See exhibit.
2. The amenity layout abides by the relationship requirements. As an example, the maximum distance between a restroom and a playground occurs.

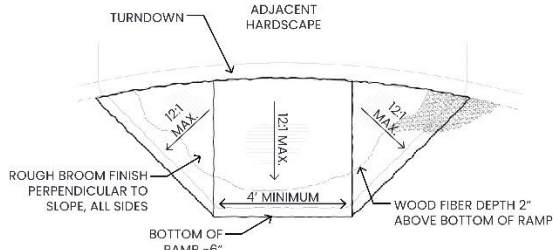
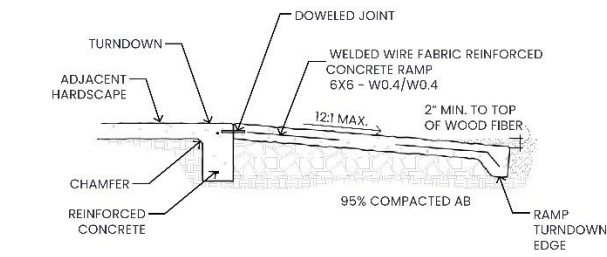
## Inundation requirements



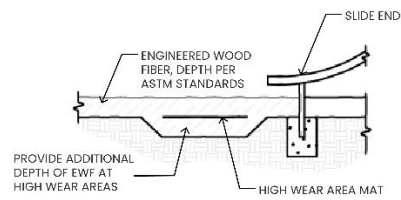
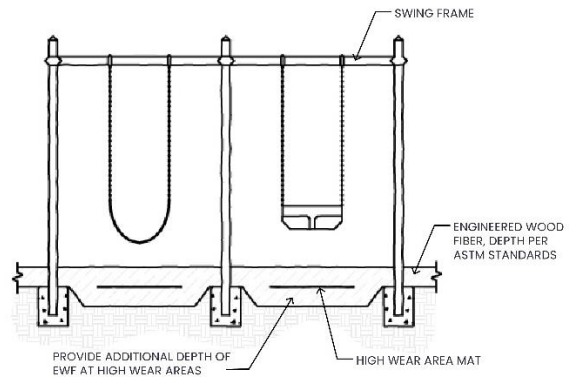
- Amenities outside 100 year/ 2 hour (plus 1' freeboard?)
  - o Restroom
  - o Playground equipment
  - o Fitness equipment
  - o Sand volleyball
- Amenities outside the 10 year / 2 hour
  - o Post tension basketball court
  - o Ramadas (is it ok for full inundation?)
  - o Trash receptacles
- Amenities allowed within an inundated area regardless of event
  - o All remaining amenities

# General Playground Layout

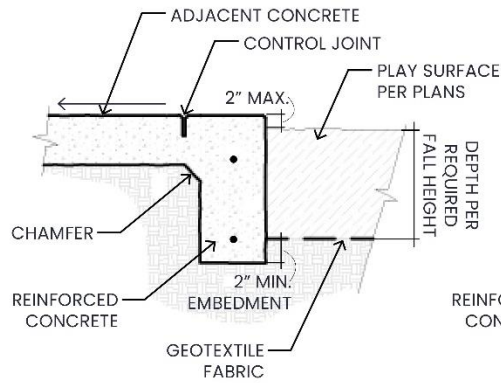




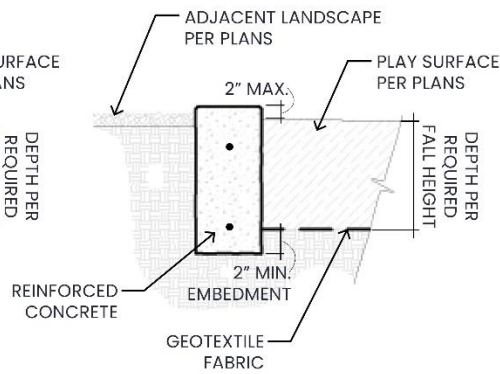
**Ramp**



**Safety Mat**



**Concrete Turndown**

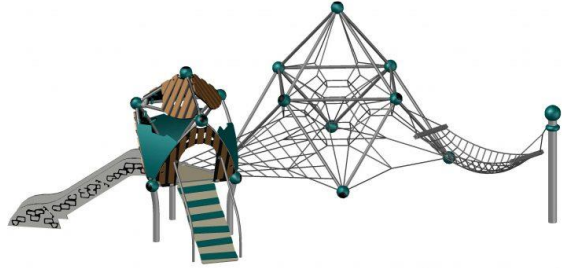


**Concrete Curb**

## 2-5 Playground



350-2421



Fairview.01



ACT-1300



350-2422

## 5-12 Playground



500-2205



350-2502



350-2202

**2-12 Playground**



350-2403

**Arch Swings with Integrated Shade**



350-1927



Arch Swing 2-Belt Seat (500-Arch)



1 Bucket



1 Accessible (ZZXX0892)



1 Group/Basket

### Climbers



ModPods Mod-181



IKO M (Berliner)



Playcubes 10.1CSL

## Inclusive Play



Home Dome



Unity Dome



Accessible Whirl

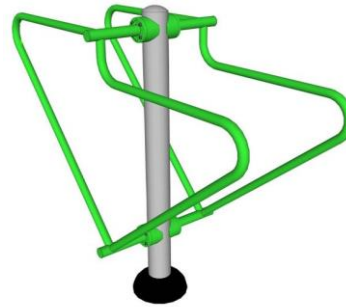


erranova.179 Sensory Wall

## Playground Color Palettes



**Fitness equipment**



WC Accessible Chest Press/Lat Combo(DC)

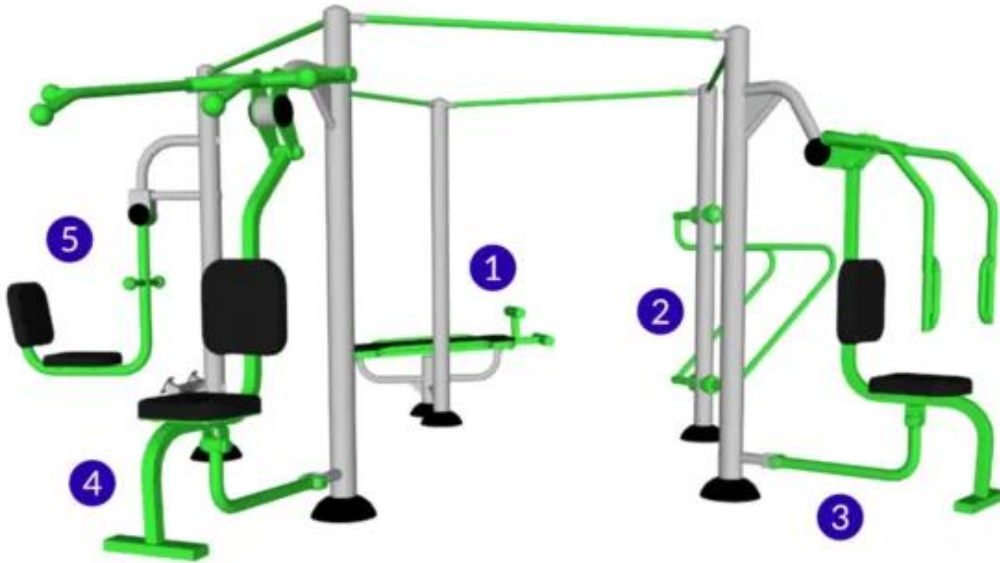
Push Up/Dip Station (PUDS)



Sit-Up Bench (SSUB)

Rowing Maching (SWR)

Air Walker (AW)



exopod

## Safety Surfacing



Engineered Wood Fiber

Poured-in-Place Surfacing (Color: )

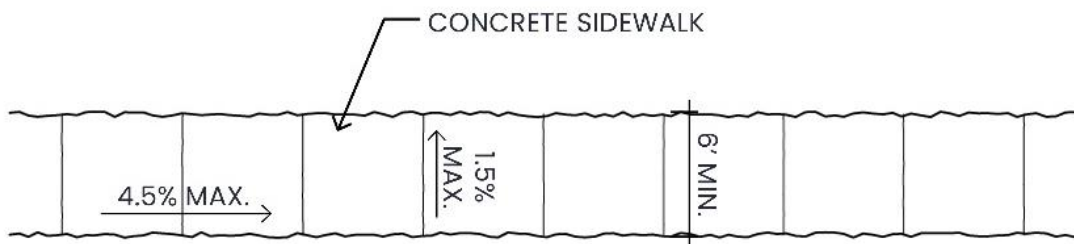
- Relationships
- Physical barriers shall be provided between playground areas and parking and/or open water. Barriers may include decorative fencing (4' Omega fence) by Omega, seat walls, landscape buffers, etc. Playground design should be themed to provide an identity to the location.
- Separate areas for play ages 2-5 and 5-12 shall be designed with a clear but cohesive delineation, such as a path, or buffer between them. The minimum distance between the edges of the play surface of the play areas shall be 10' when separated by walkway and 20' when separated by landscape area.
- When possible, playground equipment shall be inclusive and accommodate people with physical and intellectual disabilities. Sensory design elements and play components shall be provided.
- Playground equipment shall include a minimum of one accessible access point. Concrete ramps shall be provided when entering a playground area surfaced with engineered wood fiber.
- Integrated benches
- Adequate shaded seating shall be provided for each play area.
- Shade requirements (Dave Bang)
- Priority shall be given to shading playground equipment. Shade structures shall have minimum connection points and prevent or limit gaps of sun protection.
- Shade structure posts shall be installed at the play surfacing, and not in the natural turf.
- Minimum of 30% of play surfacing to be poured in place. See hardscape schedule for specific specifications
- EWF or alternative surface. See hardscape schedule for specific specifications

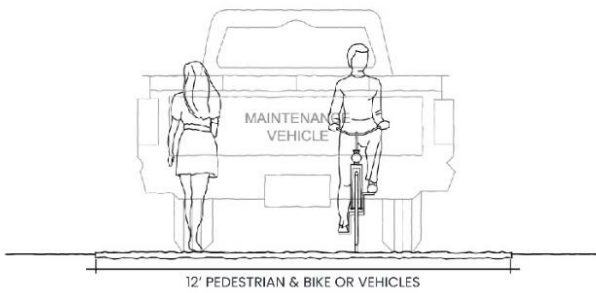
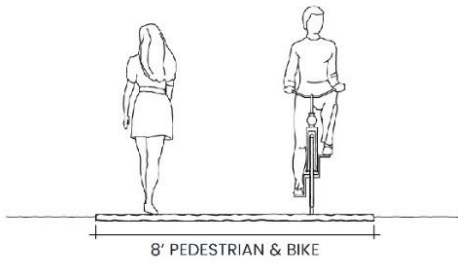
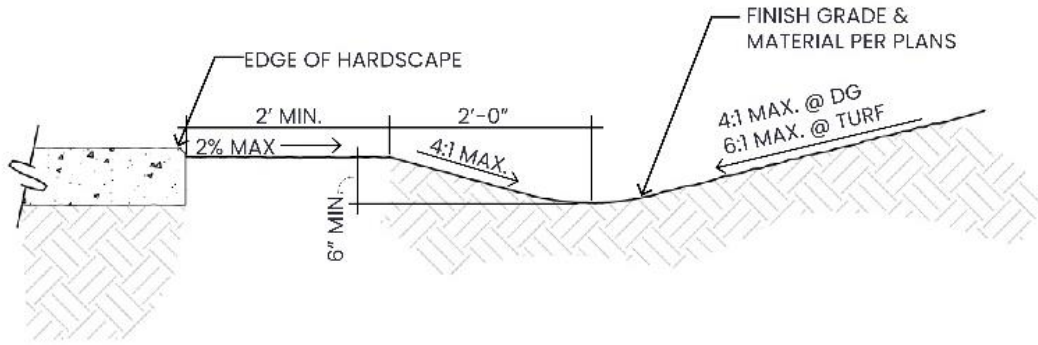
- Concrete turndown shall be used at all playground areas. See exhibit in General Playground Layout section.
- Depth of poured in place or engineered wood fiber shall be per ATSM requirements for equipment fall height

### Amenity relationships

- Proximity of restrooms to playground
  - Restrooms entries shall be placed no further than 100' from the nearest playground entry point.
- Separation of sports courts to playground
  - Sports courts, including but not limited to basketball or volleyball courts shall be separated from playground areas by either:
    - 10' high Fence with access gates
    - Planting of at least 30'.
- Proximity of fitness station to playground
  - San Luis promotes multi-generational use of their playground facilities. Complete circuit fitness equipment, where possible, shall be located within the playground area or less than 25' away from the nearest entry point of both pieces of equipment. Stand-alone fitness units can be placed throughout the open space. At least one piece of stand-alone equipment shall be placed within the playground area if stand-alone units are used.
- Parking proximity to restroom
  - ADA accessible parking shall be located no further than 50' from the restroom. The concrete sidewalk from the parking to the restroom shall be no less than 8'.

### Pathway widths



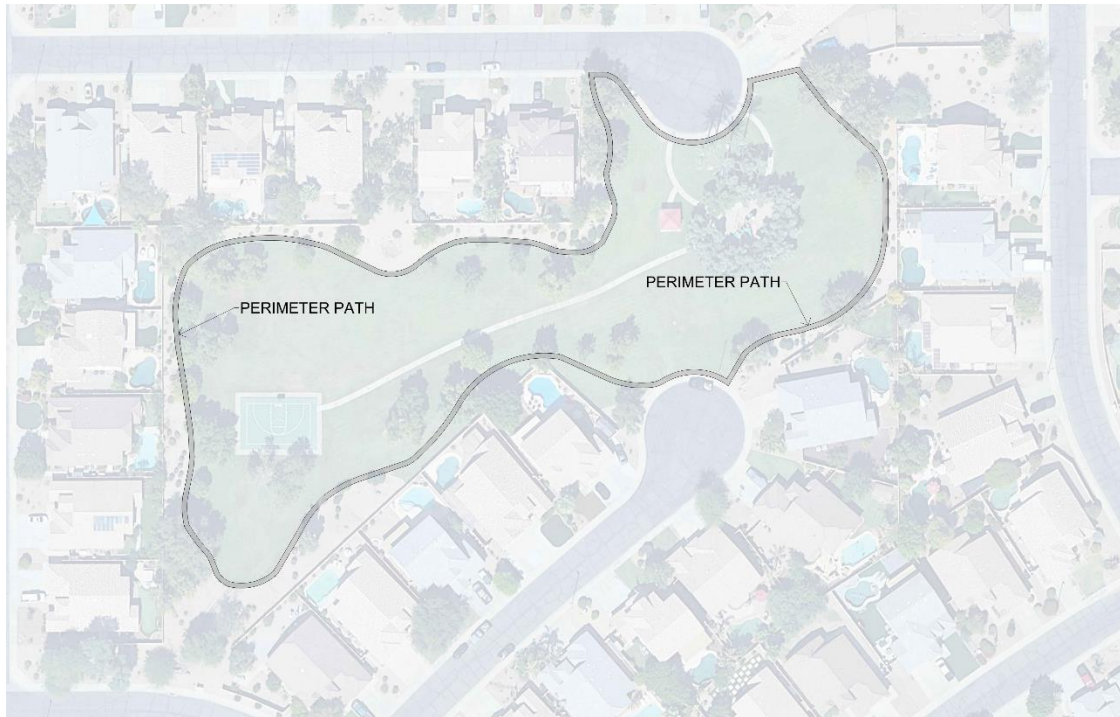


- A hierarchy of sidewalks widths shall be employed depending on the intended usage.

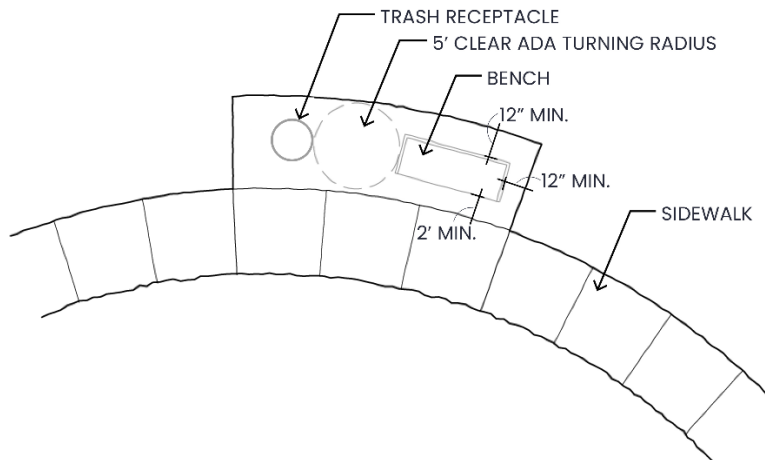
Sidewalk Type	Width
Pedestrian only	6'
Joint use of pedestrian and bicycle	8'
Joint use of pedestrian, bicycle, and vehicular	12'
Minimum adjacent to back of curb in parking	8'

- Sidewalks shall have a secondary use of protecting facilities from irrigation overspray by creating separation from turf. Avoid placing amenities such as benches, trash receptacles, railings, fences, and gates and similar in turf whenever possible.
- Vehicle rated concrete preferred where appropriate.

### Perimeter path



## Bench Node



## Carsonite CRM model

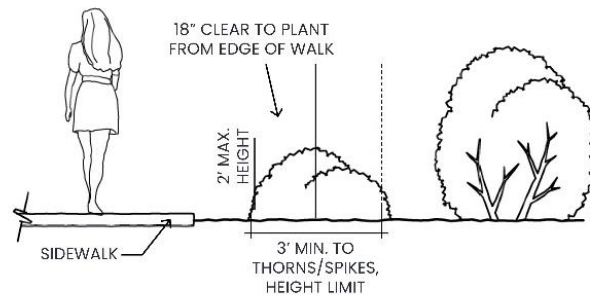
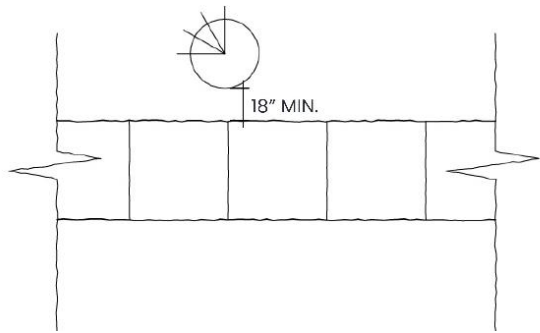


A concrete sidewalk width as required for defined use shall be installed along the perimeter of the open space to provide a closed loop. The path shall contain distance markers at a minimum distance of 500 yards if a mile marker cannot be used. Mile markers at ¼ mile increments are preferred if the path is long enough. See exhibit for Carsonite CRM model. A bench node shall be provided no more than 200 yards on center. See exhibit bench node layout.

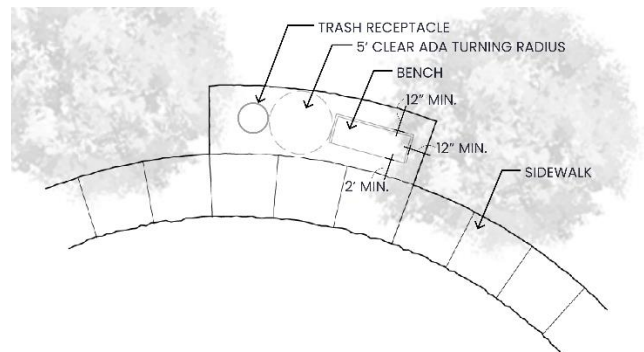
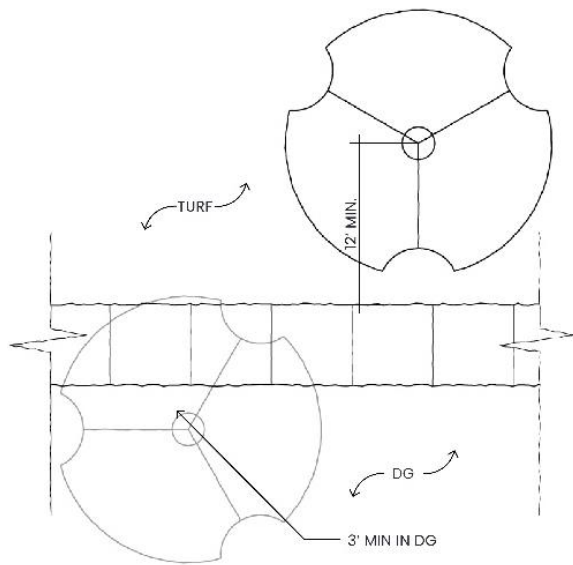
## Planting

- All plants should be reviewed and approved by the city's Parks and Recreation Department staff.
- Water conservation is a priority. All plants should be drought tolerant and on the approved Arizona Department of Water Resources Plant List. Plants shall be selected for low-maintenance properties which are longer-lived and require less pruning, dead-heading, shearing, trimming, etc.
- Include natural tree shade where possible.
- Trees shall be located in such a way as not to obstruct views from security cameras or lighting.
- Tree and shrub symbols should be shown at anticipated mature canopy size. Mature tree size will be a consideration for maintenance purposes.
- All applications of turf shall be functional for recreational purposes. Small or unusable turf areas should be avoided.
- Enhanced planting should be provided at access points or transitions between uses while maintaining adequate visibility.

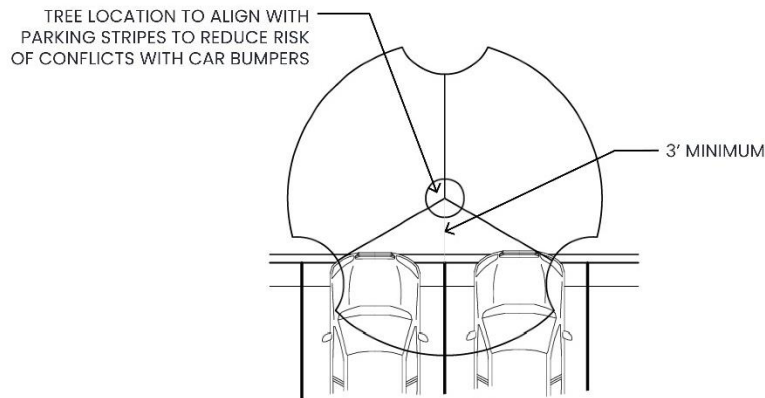
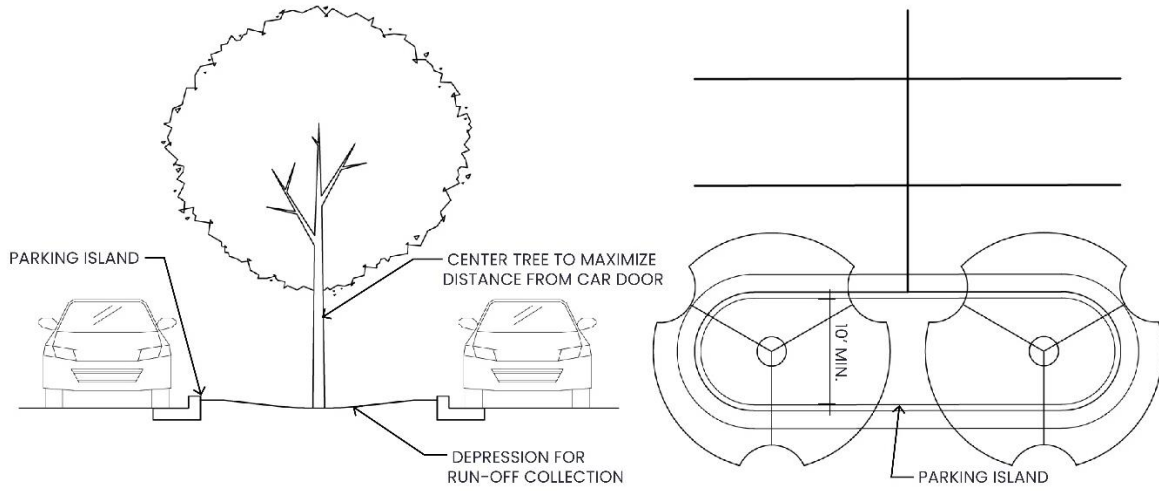
- Avoid placing plants in cross-traffic areas to avoid damage from trampling.
- To prevent plant damage between play activities, plants designated as ‘ground cover’ shall not be used in landscape areas less than 20’ in width.
- Plant material shall be located to maintain a minimum of 18” distance from the edge of paved surfaces at mature size.
- Maintain a minimum 3’ distance from edge of hardscape for plant material taller than 24”, or with thorns, spikes or sharp edges.



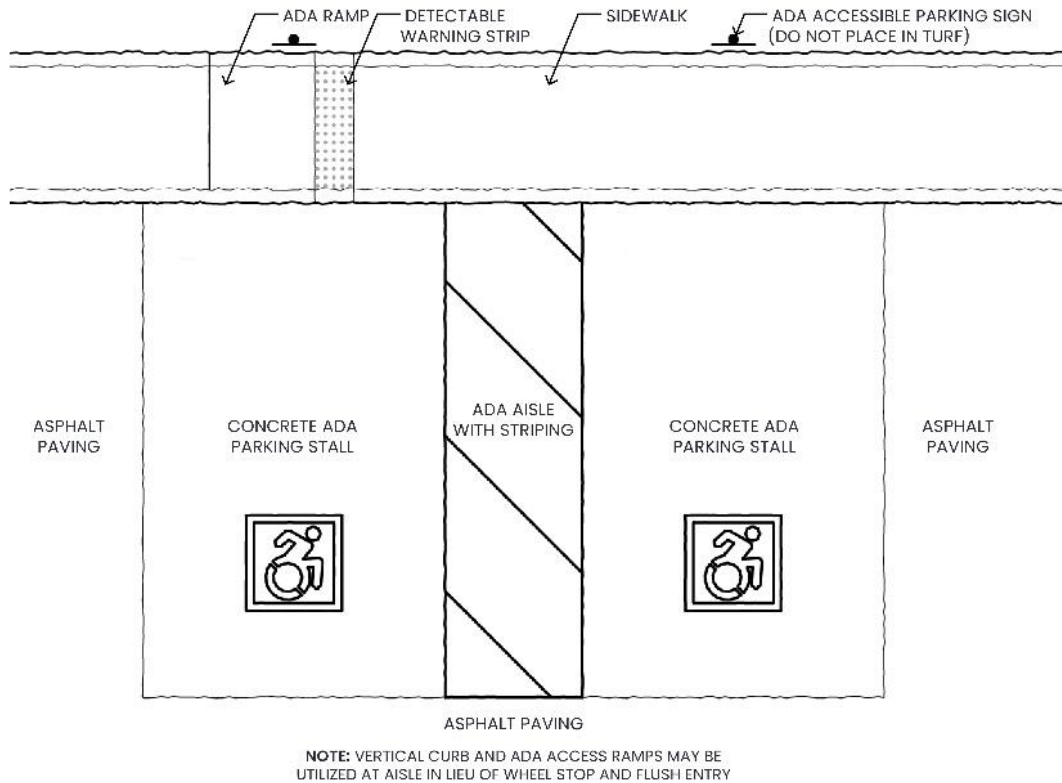
- Trees shall be planted a minimum of 12’ off of any paved surface when located in turf for mowing.



- Minimum width of planting beds shall be 10' unless approved by the city of San Luis.
- For minimum number of islands and trees in a parking lot, see city of San Luis code.



## Parking



- Where restrooms occur, parking will be required. The minimum number of accessible spaces shall be per local, state and federal guidelines. See exhibit for requirements.
- Providing a concrete pad instead of asphalt paving at accessible parking spaces may be preferred for the of San Luis. The concrete profile and reinforcement shall be designed in accordance with the geotechnical report generated for the project.
- ADA Parking space requirements (size & number) or refer to the existing code?

### 3.0 Site Amenities

#### Restroom

Restroom type – CXT **model?** Standing seam with exterior finish texture requirement. A minimum of 8' of paving around the perimeter of the building is required.

#### Ramadas



40' x 20' ramada



20' x 20' ramada



20' x 8' ramada

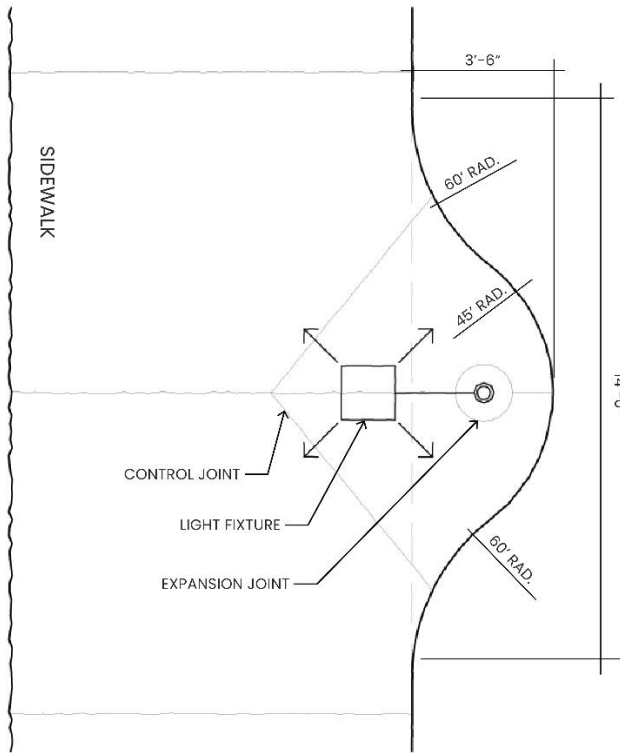


Fabric Shade Structure

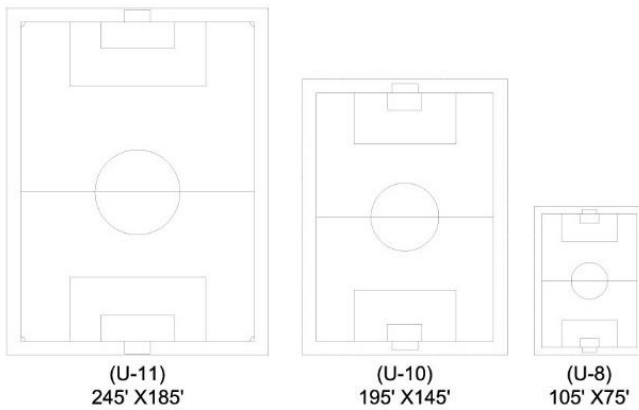
See the site furnishings exhibit for specific specifications. Typical options include 8'x20', 20'x20' and 20'x40' ramadas. See specific requirements for each park size. See exhibits xx,

xx, and xx for layout requirements. Alternative larger ramada sizes can be submitted to the City of San Luis for consideration. The manufacturer shall be consistent for alternative sizes.

**Lighting (Need City input)**



**Soccer fields**

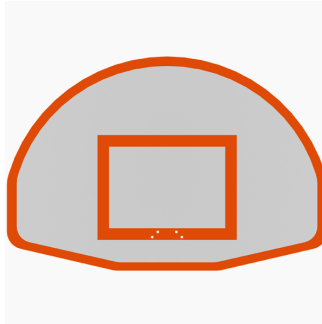
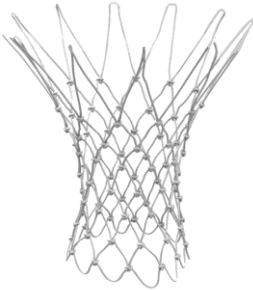
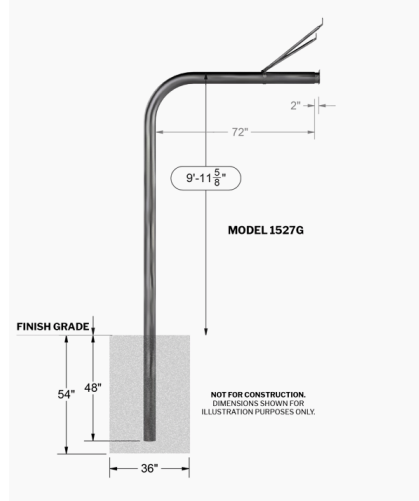


Fields and goals see exhibit xx.

## Basketball Court

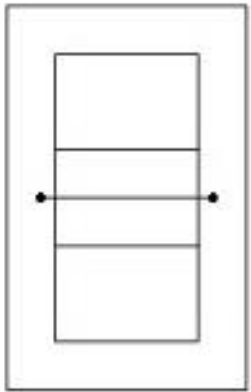


BASKETBALL  
90' X 57'



The basketball court shall be post tension, profile thickness as required by the geotechnical report. The design shall be reviewed and stamped by a State of Arizona Registered Structural Engineer. The court shall be full size unless the City of San Luis agrees to an alternative size. The court shall be painted with California Sports Surface Products Plexipave Acrylotex Decorative Pavement coating (Dark Blue and Red) or approved equal. The City Logo shall be applied at center circle. The developer is to assume white stripes and up to two standard colors. The colors and distribution of colors will be selected by the City of San Luis. See the hardscape schedule for specific specifications of basketball equipment.

**Sand Volleyball Court**



**SAND VOLLEYBALL  
80' X 50'**

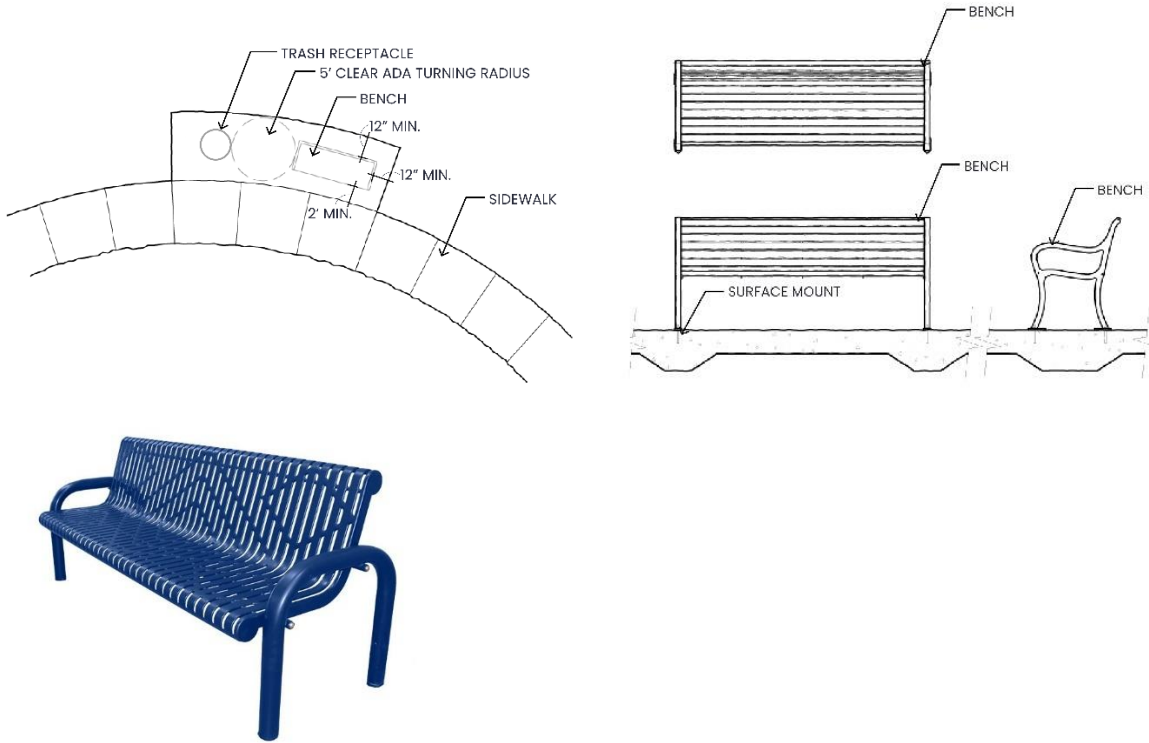


MODEL 8361-20  
32' x 3'

See hardscape schedule for specific specifications. The sand shall be twice washed clean mortar sand. The headers shall be the same as the headers used for the playground stand-alone headers or sidewalk turndowns if adjacent to sidewalk. Irrigation misting shall be provided to wet the sand for cooling. See Exhibit xx.

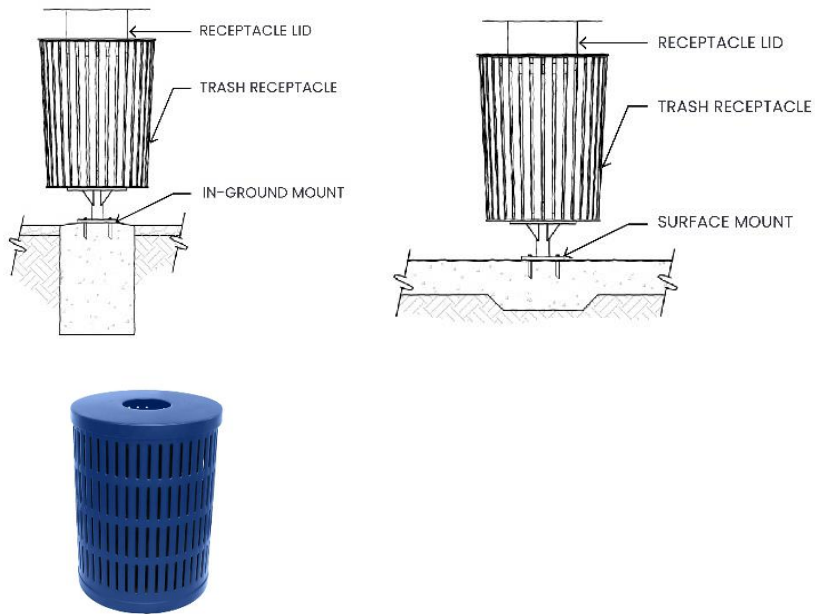
## 4.0 Site Furnishings

### Bench requirements



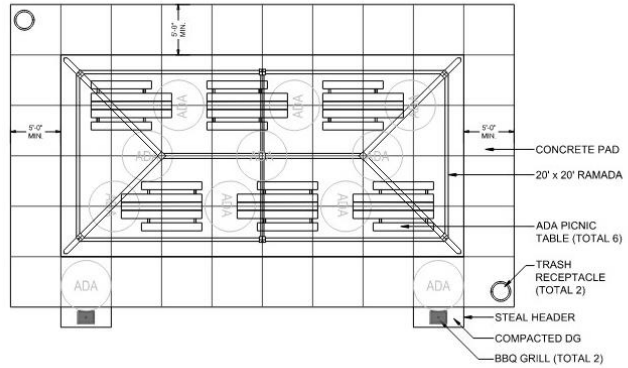
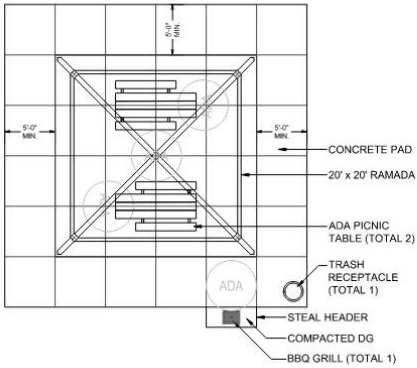
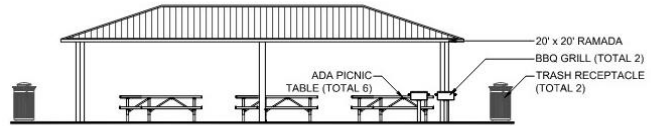
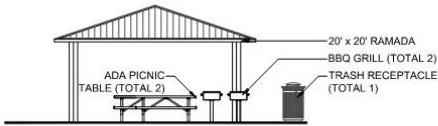
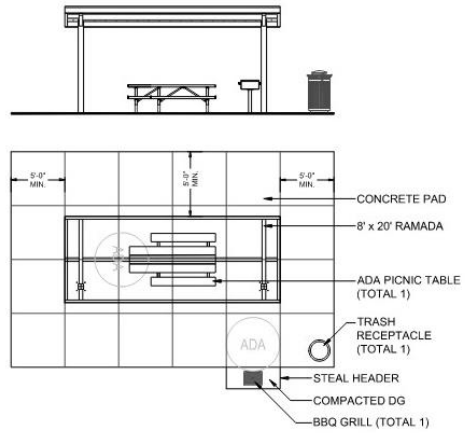
See the hardscape schedule for specific specifications. Benches and trash receptacles shall be placed throughout the open space areas. If connectivity is required, the pathway between open spaces shall have a bench node a minimum of every 200 yards on center with the distance including street crossings for a minimum of one bench nodes per pathway. Within the playground area, a minimum of xx benches shall be placed. Benches shall be ADA accessible and contain concrete pads 3' from the sidewalk, per exhibit. It is encouraged to locate benches within the playground area to promote multi-generational integration. The shade requirements for benches can be satisfied with the shade requirements for the playground equipment by siting the benches nearby. Bench nodes shall be placed per the spacing requirements described in this document.

## Trash Receptacles



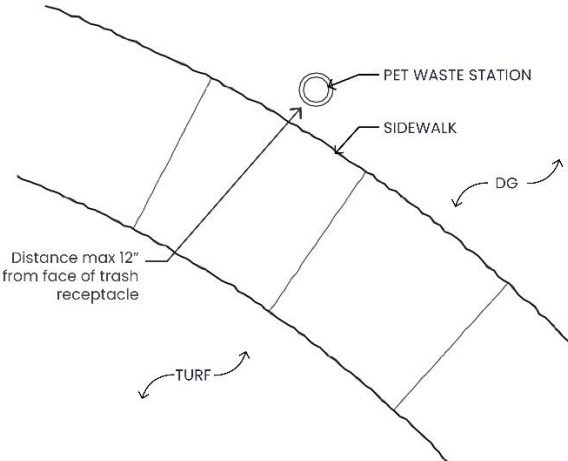
See the site furnishings exhibit for specific specifications. Trash receptacles shall be placed at bench nodes as shown on exhibit xx. At least 2 trash receptacles shall be located within 20' of the playground area. At least 1 trash receptacle will be located within 20' of sports courts. Trash receptacles shall be located at each ramada as shown in exhibits xx and xx. At least one trash receptacle shall be located within 20' of the restroom. A trash receptacle can be eliminated if they overlap the spacing requirements. An example being if the playground and restroom are close enough in proximity, one trash receptacle can be used. The combination can only be used once per site.

# Ramada with ADA Picnic Table Layout



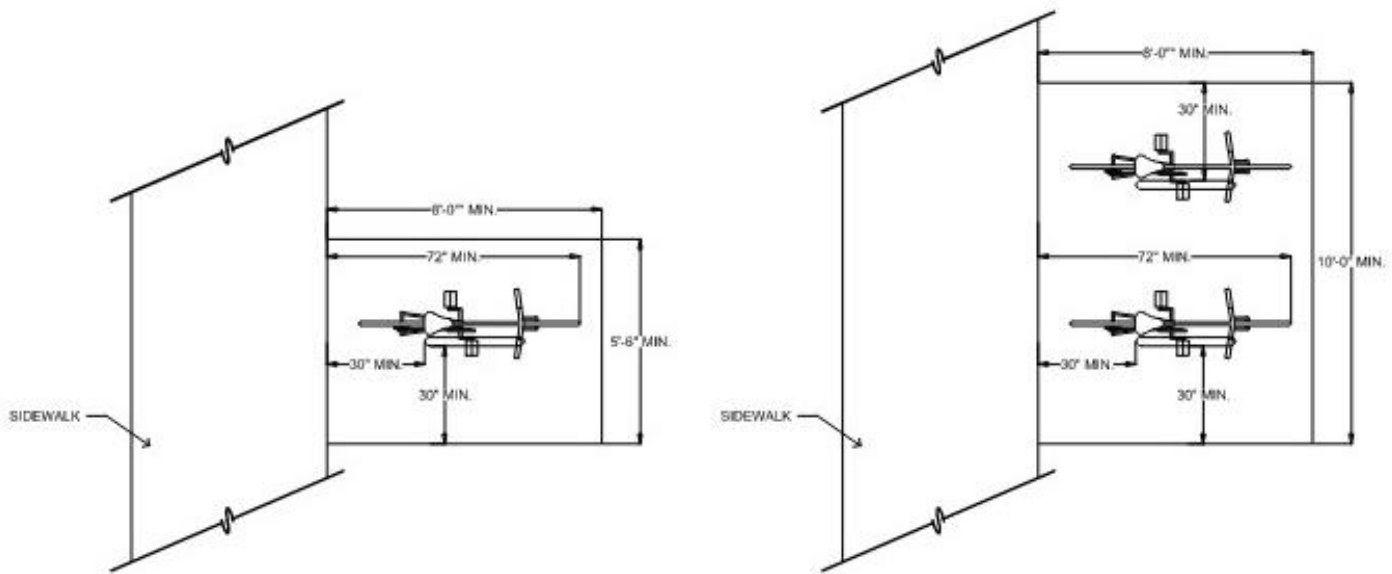
See the hardscape schedule for specific specifications. ADA picnic tables shall be placed at ramada as shown on exhibit xx.

**Pet stations**



See the hardscape schedule for specific specifications. A minimum of 1 pet station will be required for every 1.5 acres of turf. They are to be located near a sidewalk as shown in exhibit xx.

## Bike Racks (Dave Bang)



- Bicycle parking should comply with ADA requirements and not impede on-site pedestrian access. A clearance of at least four feet in width must be provided for pedestrian access.
- A bicycle rack should be a minimum of 30 inches from a wall or other obstruction. The minimum length for a bicycle parking should be 72 inches.
- Bike racks areas should be located near high traffic areas and visible to the public, but should not impede the function of the pedestrian way.
- Bike parking areas shall be installed on concrete.

See the hardscape schedule for specific specifications. A minimum of 1 bike rack will be required at each open space. See exhibit xx.

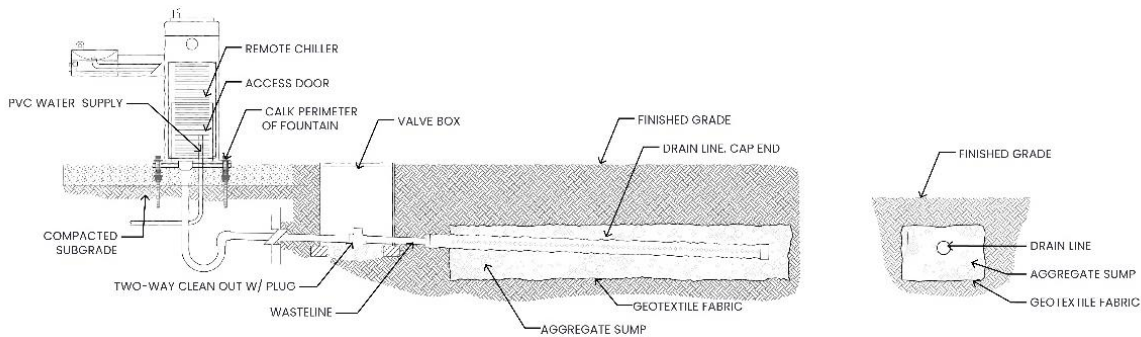
## BBQ Grills



- BBQ grills areas should be located near ramada areas, but should not impede the function of the pedestrian way.
- BBQ grills need to be installed in the compacted decomposed granite area.
- Minimum one BBQ grill needs to be installed for each 8' x 20' and 20' x 20' ramada. Minimum two BBQ grills needs to be installed for each 20' x 40' ramada.

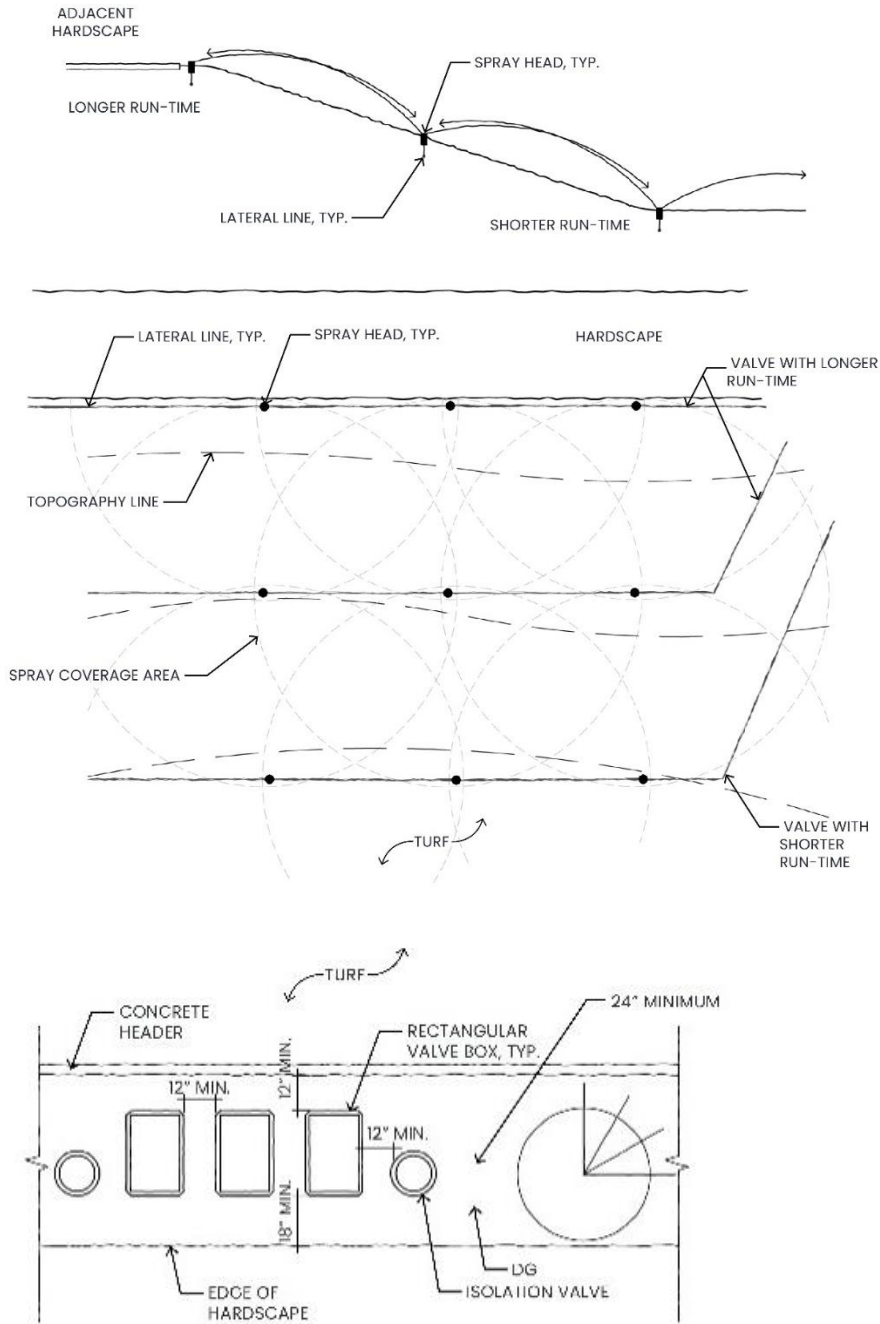
See the hardscape schedule for specific specifications. BBQ grills will be located at each ramada as shown on ramada exhibits.

## Chilled Drinking Fountain



See the hardscape schedule exhibit for specific specifications. A chilled drinking fountain with potable water and electrical source shall be provided. The drinking fountain may drain via sump as shown in exhibit xx. A drinking fountain shall be provided at each open space.

# Irrigation requirements



The irrigation system shall be fully automatic and be linked to the City of San Luis central control. Master valves and flow meters are required at points of connection. See exhibits xx, xx, and xx for design consideration. See Table xx for specific irrigation equipment required.

## **5.0 Amenity Requirements based on Open Space Size**

### **5.1 5.5 acre and Above Open Space**

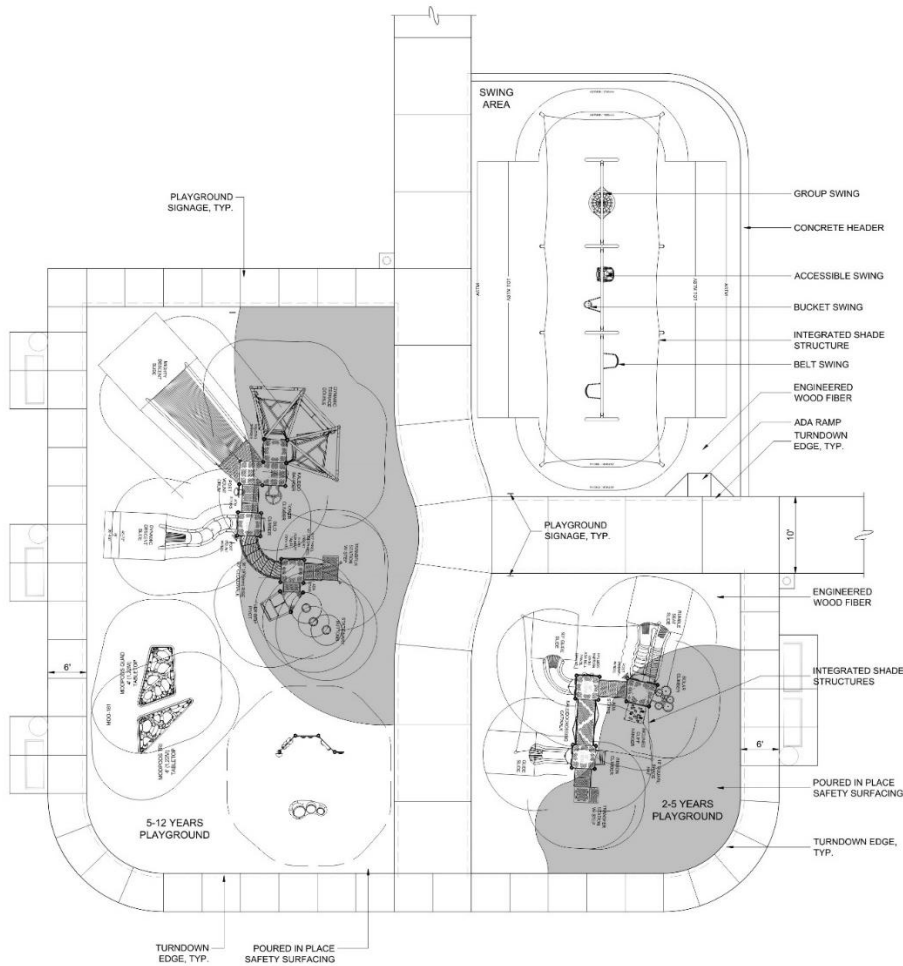
- Required:
  - Follow City of San Luis Park & Recreation Department requirements. Get for amenities prior to developing concepts.

### **5.2 5 – 5.5 acre Amenity Requirements+ Playground Amenity menu**

- Required:
  - Restroom (City Input)
  - Lighting all paths and amenities accounting for safety requirements and Dark sky preference. Timing and light intensity shall be designed to be variable
  - Conduit and mounting options on light poles for security shall be provided. Account for a minimum of 5 cameras. Coordinate with the City for locations
    - Musco sports courts (fields?)
    - Light manufacturer (City Input)
  - Fitness station (one exopod station or 5 free-standing exercise equipment)
  - ADA parking
  - Shaded Playground with 2-5, 5-12, swing, climber, musical play
  - Shaded seating at playground area
  - (3) Pinata hangers
  - Minimum or (1) U-11 field, or (2) two U-10 fields with an overlay of (2) U-8 fields per U-10, or (4) U-8 fields.
  - Court
    - Post tension basketball
    - Sand volleyball and equivalent cost additional playground equipment
  - (2) 20 x 20 ramadas with lighting and electrical outlets
  - (1) 8 x 20 ramada with lighting and electrical outlets
  - Any facility over 5 acres: each additional acre requires one multi-use field, refer City of San Luis Park & Recreation Department requirement
  - Benches, trash receptacles, and pet waste per general requirements
  - Bike Rack
  - (1) one chilled drinking fountain
  - Fully operational irrigation system with connectivity to San Luis's central control. Connectivity type (fiber, cellular, etc) shall be determined by the City

- Optional (from menu):
  - Types of 2-5 (choose 1 minimum from 3 options)
  - Types of 5-12 (choose 1 minimum from 3 options)
  - Types of climbers (choose 1 minimum from 3 options)
  - Choose from these shade types
    - Integral
    - Free standing
      - Structure
      - Sails
  - Group ramada in lieu of a 2-5 playground, or climber
    - Ramada
    - 6 picnic tables
    - 2 grills
    - 2 trash receptables
    - Lighted with (2) two electrical outlets

### **General Playground Layout**



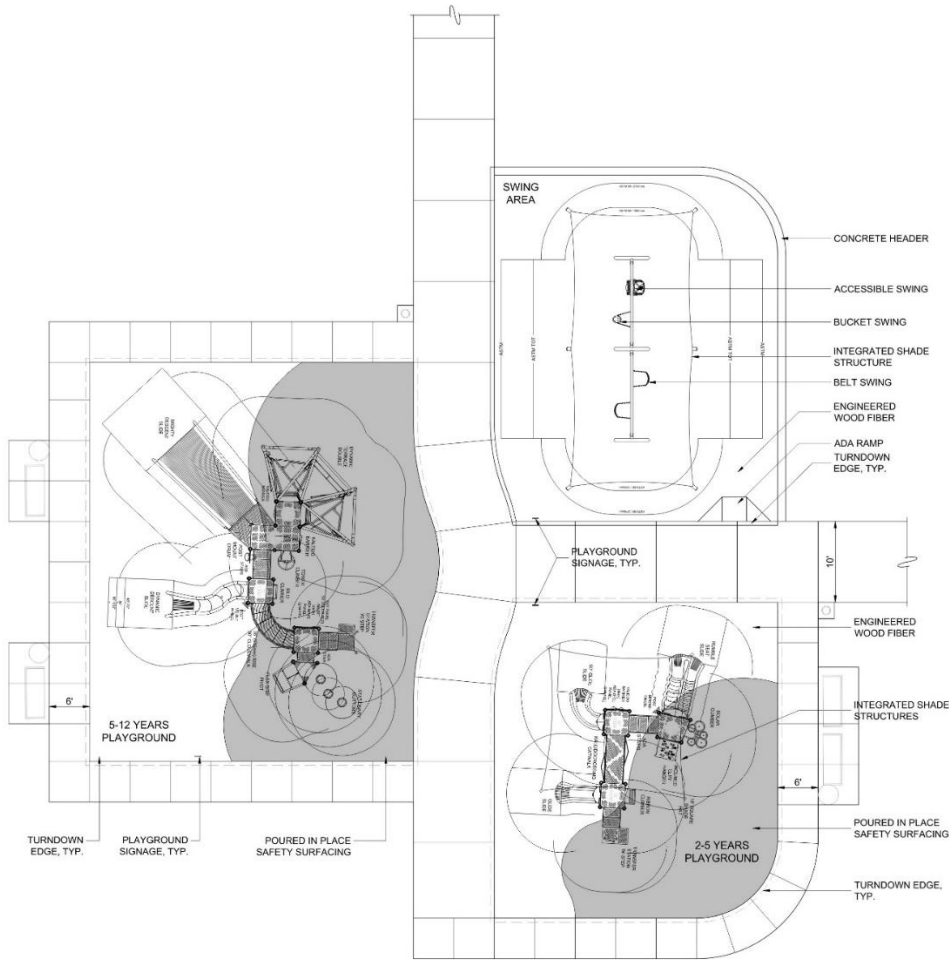
Actual layout will vary depending on site conditions

### **5.3 4-5 acre Amenity Requirements+ Playground Amenity menu**

- Required:
  - Lighting all paths and amenities accounting for safety requirements and Dark sky preference. Timing and light intensity shall be designed to be variable
  - Conduit and mounting options on light poles for security shall be provided. Account for a minimum of 4 cameras. Coordinate with the City for locations
    - Musco sports courts (fields?)
    - Light manufacturer (City Input)
  - Fitness station (3 free-standing, choose from 5 options)
  - Shaded Playground with 2-5, 5-12, swing / climber
  - Shaded seating at playground area
  - (2) Pinata hangers

- Minimum (2) two U-10 fields with an overlay of (2) U-8 fields per U-10, or (2) U-8 fields.
- Court
  - Post tension basketball
- (2) 20 x 20 ramadas with lighting and electrical outlets
- Benches, trash receptacles, and pet waste per general requirements
- Bike Rack
- (1) one chilled drinking fountain
- Fully operational irrigation system with connectivity to San Luis's central control. Connectivity type (fiber, cellular, etc) shall be determined by the City
- Optional (from menu):
  - Types of 2-5 (choose 1 minimum from 3 options)
  - Types of 5-12 (choose 1 minimum from 3 options)
  - Swings (4 bay)
  - Choose from these shade types
    - Integral
    - Free standing
      - Structure
      - Sails

## **General Playground Layout**



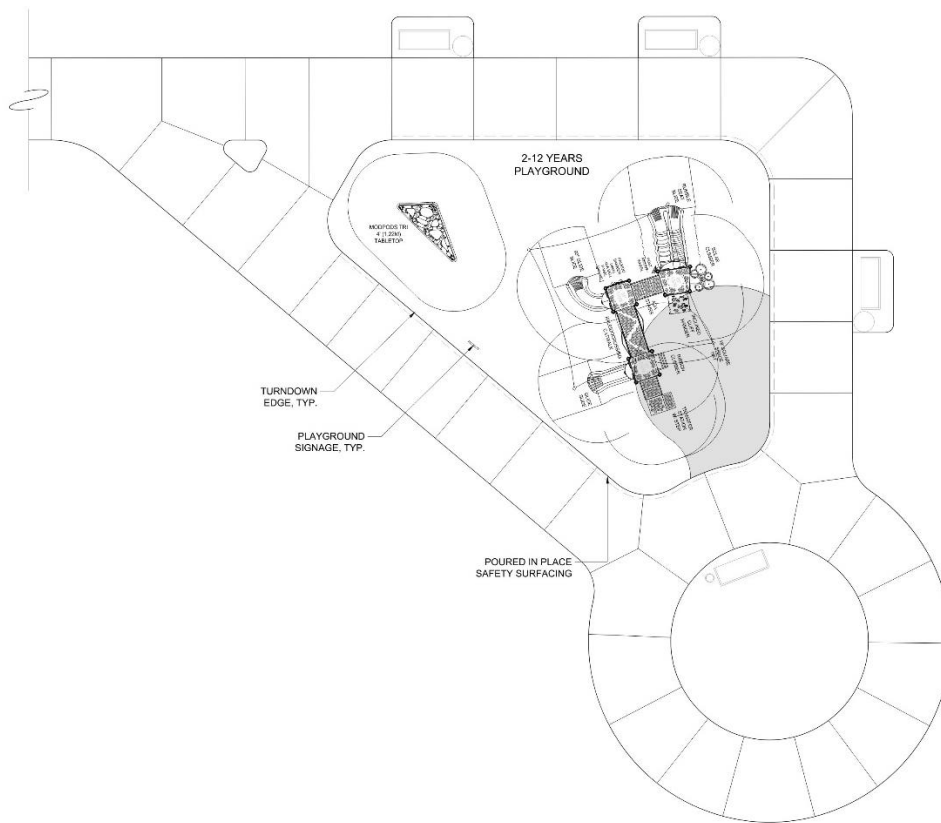
Actual layout will vary depending on site conditions

### **5.4 3-4 acre Amenity Requirements+ Playground Amenity menu**

- Required:
  - Lighting all paths and amenities accounting for safety requirements and Dark sky preference. Timing and light intensity shall be designed to be variable
  - Conduit and mounting options on light poles for security shall be provided. Account for a minimum of 3 cameras. Coordinate with the City for locations
    - Musco sports courts (fields?)
    - Light manufacturer (City Input)
  - Shaded Playground with 2-5, 5-12
  - Shaded seating at playground area
  - (1) Pinata hangers

- Minimum (1) two U-10 fields with an overlay of (2) U-8 fields per U-10, or (2) U-8 fields.
- Court
  - Post tension basketball
- (1) 20 x 20 ramadas with lighting and electrical outlets
- Benches, trash receptacles, and pet waste per general requirements
- Bike Rack
- Fully operational irrigation system with connectivity to San Luis's central control. Connectivity type (fiber, cellular, etc) shall be determined by the City
- Optional (from menu):
  - Types of 2-12 (choose 1 minimum from 2 options)
  - Choose from these shade types
    - Integral
      - Structure
      - Sails
    - Free standing

### General Playground Layout

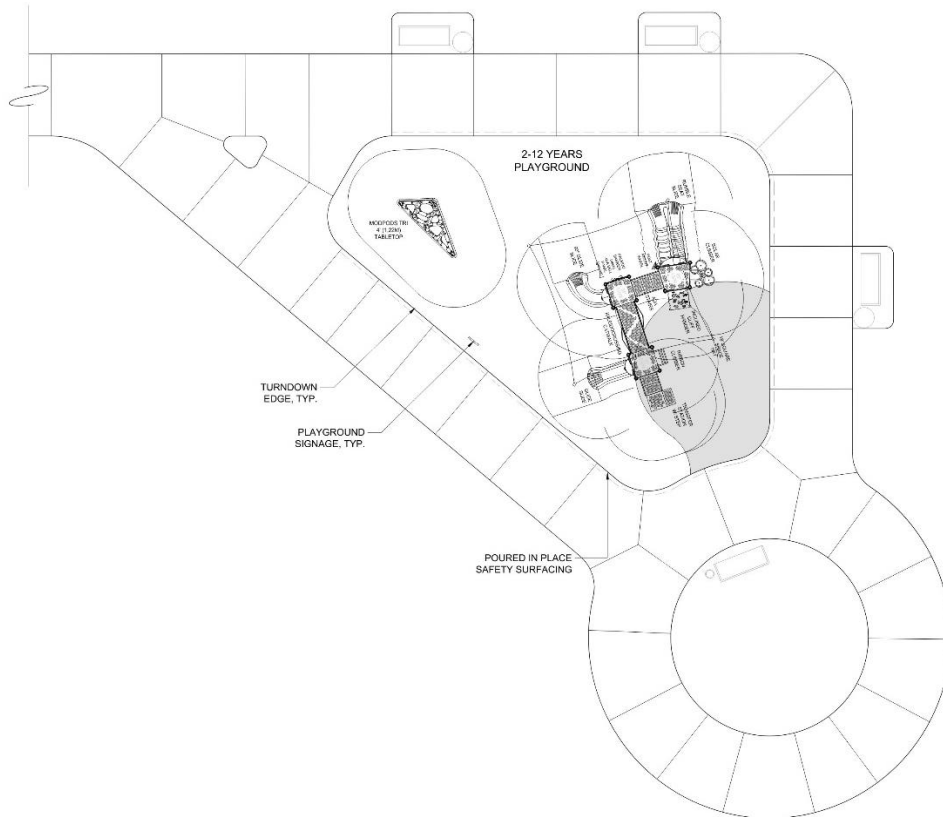


Actual layout will vary depending on site conditions

## **5.5 2-3 acre Amenity Requirements+ Playground Amenity menu**

- Required:
  - Lighting all paths and amenities accounting for safety requirements and Dark sky preference. Timing and light intensity shall be designed to be variable
  - Conduit and mounting options on light poles for security shall be provided. Account for a minimum of 2 cameras. Coordinate with the City for locations
    - Musco sports courts (fields?)
    - Light manufacturer (City Input)
  - Shaded Playground with 2-12
  - Shaded seating at playground area
  - (1) Pinata hangers
  - Minimum (1) U-8 fields
  - (1) 20 x 20 ramadas with lighting and electrical outlets
  - Benches, trash receptacles, and pet waste per general requirements
  - Bike Rack
  - Fully operational irrigation system with connectivity to San Luis's central control. Connectivity type (fiber, cellular, etc) shall be determined by the City
- Optional (from menu):
  - Types of 2-12 (choose 1 minimum from 2 options)
  - Choose from these shade types
    - Integral
    - Free standing
      - Structure
      - Sails

### **General Playground Layout**



## **5.6 2 acre and smaller Amenity Requirements+ Playground Amenity menu**

- Required:
  - Lighting all paths and amenities accounting for safety requirements and Dark sky preference. Timing and light intensity shall be designed to be variable
  - Conduit and mounting options on light poles for security shall be provided. Account for a minimum of 1 cameras. Coordinate with the City for locations
    - Musco sports courts (fields?)
    - Light manufacturer (City Input)
  - Shaded Playground with 2-12 playground
  - Shaded seating at playground area
  - (1) Pinata hangers
  - (1) 20 x 20 ramadas with lighting and electrical outlets
  - Benches, trash receptacles, and pet waste per general requirements
  - Bike Rack
  - Fully operational irrigation system with connectivity to San Luis's central control. Connectivity type (fiber, cellular, etc) shall be determined by the City



# **Parks Examples**

# 1-2 acres park

Example 1 – Spectrum neighborhood park at Gilbert (Approx. 1.4 acres)



- Walking path
- Open turf area (not for field)
- 2-12 playground with frees standing shade, swing
- Bench, trash receptacle
- Ramada (2 picnic table)
- Bike Rack

## 2-3 acre

Example 1 – Discovery at Rock Springs neighborhood park at Peoria (Approx. 2.5 acres)



- Walking path
- Open turf area (for one U-8 field)
- 2-12 Playground
- Bench, trash receptacle
- Ramada (2 picnic table)
- Bike Rack

## 3-4 acre

Example 1 – Cooley Station Neighborhood Park at Gilbert (Approx. 3.2 acres)



- Walking path
- Open turf area (for one U-8 fields)
- Half Basketball court
- 2-12 playground
- Bench, trash receptacle
- Ramada (2 picnic table)
- Bike Rack

Example 2 – Banada Park at Mesa (Approx. 3.75 acres)



- Walking path
- Open turf area (for one U-8 fields)
- Full Basketball court
- Shaded 2-5, 5-12 playground, swing
- Bench, trash receptacle
- Ramada (2 picnic table)
- Bike Rack

## 4-5 acre

Example 1 – Carol Rae Park at Gilbert (Approx. 4.9 acres)



- Walking path
- Open turf area (for one U-10 field / two U-8 fields)
- Full Basketball court
- 2-5, 5-12 playground, swing
- Bench, trash receptacle
- Ramada (2 picnic table)
- Bike Rack

Example 2 – Towne Meadows Neighborhood Park at Gilbert (Approx. 4.8 acres)



- Walking path
- Open turf area (for one U-10 field / two U-8 fields)
- Full Basketball court
- 2-5, 5-12 playground, swing
- Bench, trash receptacle
- Ramada (2 picnic table)
- Bike Rack

## 5-5.5 acre

Example 1 – Valencia Park at Mesa (Approx. 5.4 acres)



- Walking path
- Open turf area (for one U-10 field / two U-8 fields)
- Full Basketball court
- Full Sand Volleyball Court
- 2-5, 5-12 playground, swing
- Bench, trash receptacle
- Ramada (2 picnic table)
- Bike Rack