#### **SECTION 2** | Introduction

The purpose of a Level of Service (LOS) analysis is to determine how well the existing City of Sunrise parks system is meeting the recreation needs of city residents. According to the National Recreation and Parks Association (NRPA), the basic definition of LOS is "an allocation mechanism for the delivery of park land and basic recreation facilities throughout a community." By adoption of such a standard, a community in essence says that all citizens, regardless of the taxes they pay or the use they will make of the services provided, will have an equal opportunity to share in the basic menu of services implicit in the standard and accompanying spatial distribution and allocation policies."

Equal opportunity can be measured in terms of five (5) basic principles:

- **Acreage** (Amount of Park Land) Every resident, neighborhood and community should have an equal or similar allocation of park land.
- **Facilities** (Capacity of Facilities) Every resident should have similar opportunities to use recreation facilities.
- **Access** (Distance or Travel Time) Every resident should be able to access park land within similar walking, bicycling, and/or driving distance
- **Programs** (Availability of Programs and Activities) Every resident should have access to similar types of recreation programs, based on their community's specific needs.
- **Quality** (Quality of Experience) Every resident should have access to similar quality recreational facilities and experiences.

Following is an analysis of the existing City of Sunrise parks and recreation system based on those five principles.

#### **SECTION 2.1** | Acreage

Every resident, neighborhood, and community should have an equal or similar allocation of park land.

Acreage of park land per 1,000 residents remains the most common technique of expressing equal opportunity, even though conditions and needs vary greatly between areas. However, the underlying principle for Acreage LOS is that most communities believe that significant open space should be set aside for recreation, environmental protection, aesthetics and community health.

There is no universally accepted methodology or standard that defines the minimally acceptable number of acres per 1,000 residents—it is up to each community to determine what is appropriate for its own needs and circumstances.

Currently, the City of Sunrise Comprehensive Plan mandates that the City provide a recreation and open space level of service of 3 acres/1000 population. Policy 4.1.5 of the Comprehensive Plan states that the City wishes to explore raising the required recreation and open space level of service to 4 acres/1000. This increase would be consistent with the comprehensive plan requirements of the adjacent communities of Plantation and Coral Springs who both mandate a minimum LOS of 4 acres/1000.

The following charts illustrate the City of Sunrise's Acreage Level of Service for 2008, 2015, and 2030 based on current population projections.

Figure 2.1a Acreage LOS, 3 Acres/1000 Pop.

2008 Population	92,800		
City Comprehensive Plan LOS (Acres/1,000)		3	
Acres Needed to Meet 2000 Population LOS		278.4	
	Acres	0011/00/08/1000	Surplus Deficiency
Community and Neighborhood Park Acreage	352	3.8	73

2015 Level of Service Analysis	(LOS)	Acreage	
Estimated 2015 Population		106,000	
City Comprehensive Plan LOS (Acres/1,000) 3			
Acres Needed to Meet 2010 Population LOS		318.0	
	Acres	Potal Agres 1000	Surplus Deficiency
Community and Neighborhood Park Acreage	352	3.3	34

2030 Level of Service Analysis	(LOS)	Acreage	
Estimated 2030 Population		119,000	
City Comprehensive Plan LOS (Acres/1,000)	3		
Acres Needed to Meet 2040 Population LOS		357.0	
	Acres	William Arens MIXID	Surplus Deficiency
Community and Neighborhood Park Acreage	352	3.0	-6

#### **SECTION 2.1** | Findings

Based on the City of Sunrise Comprehensive Plan standard of 3.0 acres/1,000 residents and the projected population data, the City has enough parkland beyond the year 2027 (**Figure 2.1a**). However, the population figures do not include seasonal residents who use park facilities in the winter. Also, the standard of 3 acres/1,000 residents is comparatively low; many of the most livable communities in the country have standards of over 10 acres/1,000 residents or more.

To increase the quality of life in Sunrise, AECOM recommends the acquisition of additional park land to raise the City's Acreage LOS.

#### **SECTION 2.2** | Facilities

Every resident should have similar opportunities to use recreation facilities.

Facility LOS expresses equal opportunity through the availability of recreational facilities. Like Acreage LOS, Facility LOS is typically calculated in terms of facilities per population. Currently, the City of Sunrise has no LOS standards for recreational facilities in its Comprehensive Plan. For the charts that follow, the number of City facilities is compared against the State Comprehensive Outdoor Recreation Plan (SCORP) guidelines for recreation facilities (Outdoor Recreation in Florida, 2000). Though informative, these are guidelines based on statewide usage and may not directly pertain to Sunrise. Also, SCORP does not contain guidelines for some of the facilities that communities tend to need most, such as teen centers and outdoor event spaces.

**Figure 2.2a** is a summary of the City facility LOS calculations. The number of facilities needed in the city to meet SCORP guidelines was calculated by taking the population estimate and dividing it by the population served per facility. This number was then subtracted from the actual number of facilities in the city to find the surplus or deficiency (shown in red).

When the SCORP criteria are evaluated based only on City-owned facilities, there are broad deficiencies in service. Sunrise has many privately owned/maintained recreational facilities due to the large number of private home owners associations (HOAs) that exist within the city. Many of the private communities within Sunrise offer recreation facilities that are able to meet some of their residents day-to-day recreational needs (e.g. private pools, playgrounds and tennis courts).

While it is important to understand how the City-owned facilities compare to SCORP requirements, it is equally important that the community be evaluated as a whole. **Figure 2.2b** illustrates the difference that the addition of these facilities makes in Sunrise's overall Facilities LOS.

#### **SECTION 2.2 | Findings**

Figure 2.2a shows that Sunrise is deficient in almost every category except swimming pools.

Figure 2.2b shows that if HOA facilities are added, Sunrise is deficient in the following categories:

- Bicycling Facilities
- Fishing Piers
- Baseball/Softball Fields
- Volleyball Courts
- Camping Areas

- Boat Ramps
- Walking/Hiking Facilities
- Football/Soccer Fields
- Racquetball/Handball Courts
- Public Golf Courses

It is important to note that some of the community's needs for camping, biking, and boat ramp facilities may be met at Markham Park, which was not included in the Facility LOS analysis. With this in mind, Sunrise is most deficient in:

- Boat Ramps
- Walking/Hiking Facilities
- Football/Soccer Fields

- Racquetball/Handball Courts
- Fishing Piers
- Baseball/Softball Fields
- Volleyball Courts

### **SECTION 2.3** | Access to Facilities

Every resident should be able to access park land within similar walking, bicycling, and/or driving distances.

Acreage LOS only examines total acreage, and does not take location into account. Access LOS fills this gap by expressing LOS as the service area either a distance or a travel time—that a park facility serves. Distance or travel time standards should be based on the development patterns, street networks, bicycle/pedestrian networks, demographics, climate, and other variables in the community.

The traditional Access LOS approach evaluates the service ares of different park types such as neighborhood or community parks. A more fine-grained approach of determining access LOS is to evaluate the service areas of individual recreational facility types.

While there are many different types of recreation facilities within Sunrise, all fall into one of the following categories:

#### **Neighborhood Facilities**: (1/2 mile service area)

Facilities in this category serve common, every-day recreational needs and should be found within a 1/2 mile walking distance of residents' homes.

- Passive Open Space
- Playground
- Walking/Exercise Path
- Fishing Pier/Dock
- Basketball Courts

#### **Community Facilities**: (3 mile service area)

Facilities represented in this category are ones that residents would expect to have to drive a short distance to reach. Some of these facilities may require a site that is too large to be found within a resident's neighborhood or too intrusive due to lighting, parking or noise.

Tennis Court

Cricket Pitch

- Football/Soccer Field
- Off-Leash Dog Park
- Public Meeting Room
- · Swimming Pool
- Volleyball Court
- Canoe/Kayak Launch
- Recreation Center (Gymnasium)
- **Regional Facilities**: (10 mile service area)

Facilities in this category are often found in large, resource based parks.

- Hiking/Nature Trail
- Camp Site
- Mountain Biking Trail
- Equestrian Facility
- Public Golf Course

Figure 2.2a Facilities LOS, City Facilities ONLY.

rigure 2.2a Facilitie		Surplus / Deficiency					
POPULATION SERVED per facility	ACTIVITY	Existing # of City Facilities	2009	2013	2015	2018	2030
	Population Estimate		92,800	101,800	106,000	110,400	119,000
5,000	Bicycling (Miles)*	3	-16	-17	-18	-19	-21
5,000	Boat Ramps (Lanes)	0	-19	-20	-21	-22	-24
6,750	Camping (Acres)	0	-14	-15	-16	-16	-18
5,600	Fishing (800' of Pier)	1	-16	-18	-18	-19	-21
6,750	Walking/Hiking (Miles)	6	-8	-10	-10	-11	-12
10,000	Playground	5	-4	-5	-6	-6	-7
6,000	Picnicking	7	-8	-10	-11	-27	-13
5,000	Baseball/Softball	11	-8	-9	-10	-11	-13
5,000	Basketball	6	-13	-14	-15	-16	-18
6,000	Football/Soccer/Rugby	9	-6	-8	-9	-9	-11
50,000	Golf (18 Holes)	1	-1	-1	-1	-1	-1
10,000	Racquetball/Handball	2	-7	-8	-9	-9	-10
25,000	Swimming Pool	5	1	1	1	1	0
2,000	Tennis	21	-25	-30	-32	-34	-39
6,000	Volleyball	2	-13	-15	-16	-16	-18

Notes: ONLY City of Sunrise Facilities are Included in Total Facility Count

Figure 2.2b Facilities LOS, incl. Private HOAs.

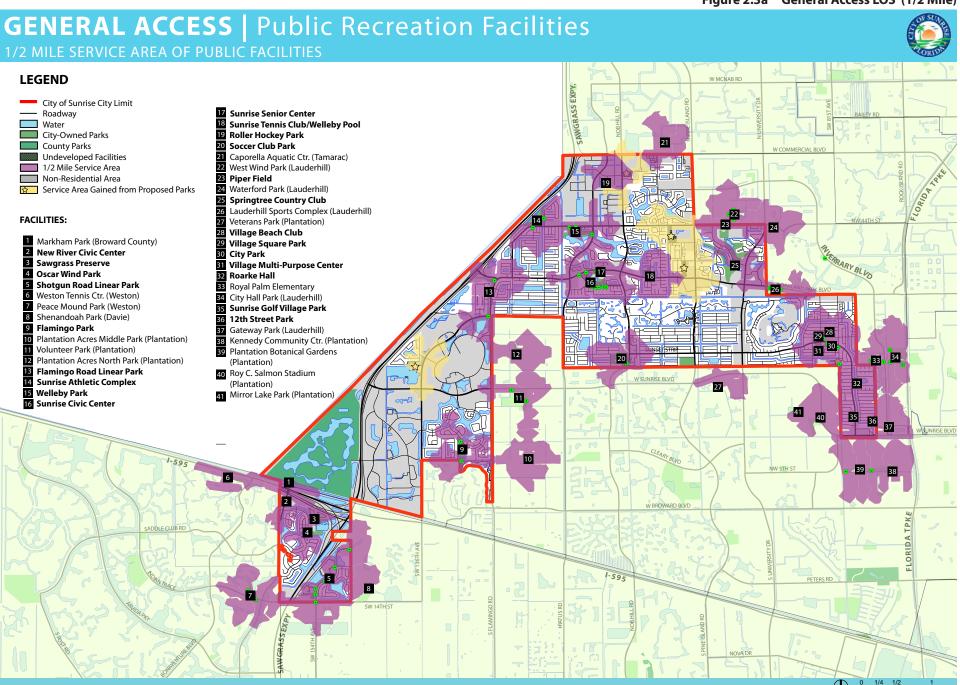
POPULATION SERVED per ACTIVITY facility			Surplus / Deficiency				
	Existing # of Facilities	2009	2013	2015	2018	2030	
	Population Estimate		92,800	101,800	106,000	110,400	119,000
5,000	Bicycling (Miles)*	3	-16	-17	-18	-19	-21
5,000	Boat Ramps (Lanes)	0	-19	-20	-21	-22	-24
6,750	Camping (Acres)	0	-14	-15	-16	-16	-18
5,600	Fishing (800' of Pier)	1	-16	-18	-18	-19	-21
6,750	Walking/Hiking (Miles)	6	-8	-10	-10	-11	-12
10,000	Playground	18	9	8	7	7	6
6,000	Picnicking	32	17	15	14	14	12
5,000	Baseball/Softball	11	-8	-9	-10	-11	-13
5,000	Basketball	26	7	6	5	4	2
6,000	Football/Soccer/Rugby	9	-6	-8	-9	-9	-11
50,000	Golf (18 Holes)	1	-1	-1	-1	-1	-1
10,000	Racquetball/Handball	2	-7	-8	-9	-9	-10
25,000	Swimming Pool	146	142	142	142	142	141
2,000	Tennis	93	47	42	40	38	34
6,000	Volleyball	3	-12	-14	-15	-15	-17

Notes: Private, HOA Facilities are Included in the Total Facilities Count

#### **General Access LOS | 1/2 Mile:**

**Figure 2.3a** shows that less than 50% of the residents of Sunrise are within a half-mile walking distance to a public park/recreation facility. The largest gap in access occurs in the south-central portion of the city, which is also one of the most densely populated areas because of the Sunrise Lakes Developments. Because these developments are private HOA's and provide their own facilities, some of their recreational needs may already be met.

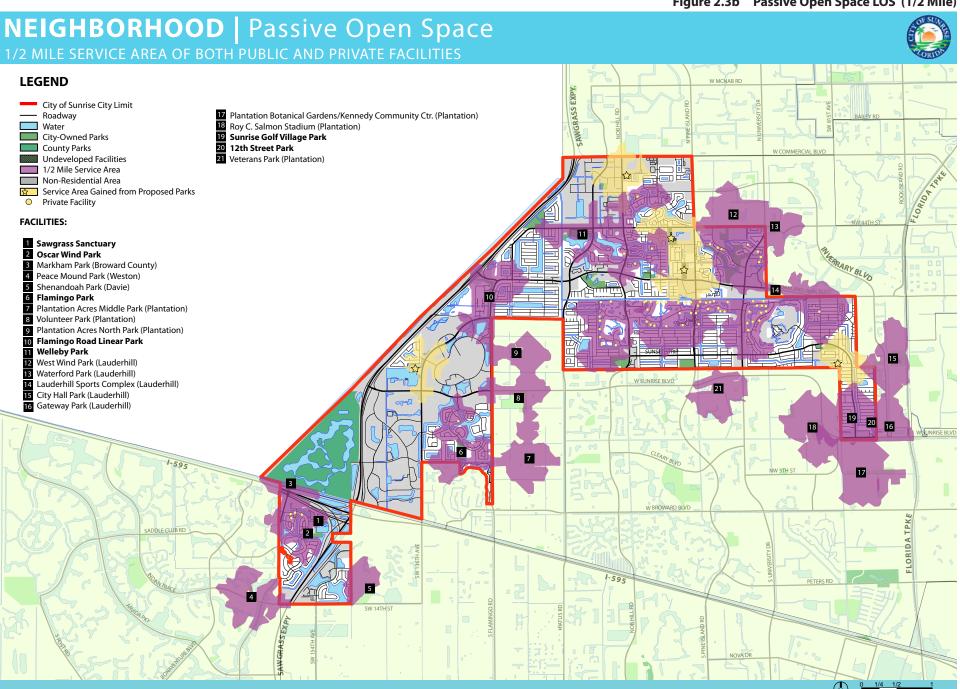
Figure 2.3a General Access LOS (1/2 Mile)



#### **NEIGHBORHOOD** | Passive Open Space LOS (1/2 Mile)

**Figure 2.3b** illustrates that with the inclusion of private amenities, approximately half of the residents in Sunrise are able to walk a half mile or less to a passive open space. If the all of the City's undeveloped park parcels were developed to include passive open space, the Access LOS for that type of facility would increase by 20%.

Figure 2.3b Passive Open Space LOS (1/2 Mile)



#### **NEIGHBORHOOD | Playground LOS (1/2 Mile)**

**Figure 2.3c** illustrates that with the inclusion of private facilities, fewer than half of the residents of Sunrise live within walking distance of a playground. The largest gap in access occurs in the central portion of the city near the Sunrise Lakes Development(s).

If the City included a playground at all of its undeveloped park sites the overall level of service would increase, most notably in the central portion of Sunrise.

In addition, if the City wishes to increase its playground LOS there may be opportunities to include a playground space at some of the existing parks such as the Flamingo Road Linear Park, 12th Street Park, Golf Village Park, or Soccer Club Park.



Flamingo Park playground

Figure 2.3c Playground LOS (1/2 Mile) **NEIGHBORHOOD** | Playgrounds 1/2 MILE SERVICE AREA OF BOTH PUBLIC AND PRIVATE FACILITIES **LEGEND** City of Sunrise City Limit --- Roadway Water City-Owned Parks County Parks Undeveloped Facilities 1/2 Mile Service Area Non-Residential Area Service Area Gained from Proposed Parks Private Facility **FACILITIES:** 1 Oscar Wind Park 2 Shenandoah Park (Davie) 3 Peace Mound Park (Weston) 4 Flamingo Park 5 Volunteer Park (Plantation) 6 Markham Park (Broward County) 7 Sunrise Athletic Complex 8 Welleby Park 9 West Wind Park (Lauderhill) 10 Lauderhill Sports Complex (Lauderhill) II City Park Royal Palm Elementary School (Lauderhill) 13 City Hall Park (Lauderhill) 14 Kennedy Community Ctr. (Plantation) NW 5TH ST W BROWARD BLVD

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#### NEIGHBORHOOD | Walking/Exercise Path LOS (1/2 Mile)

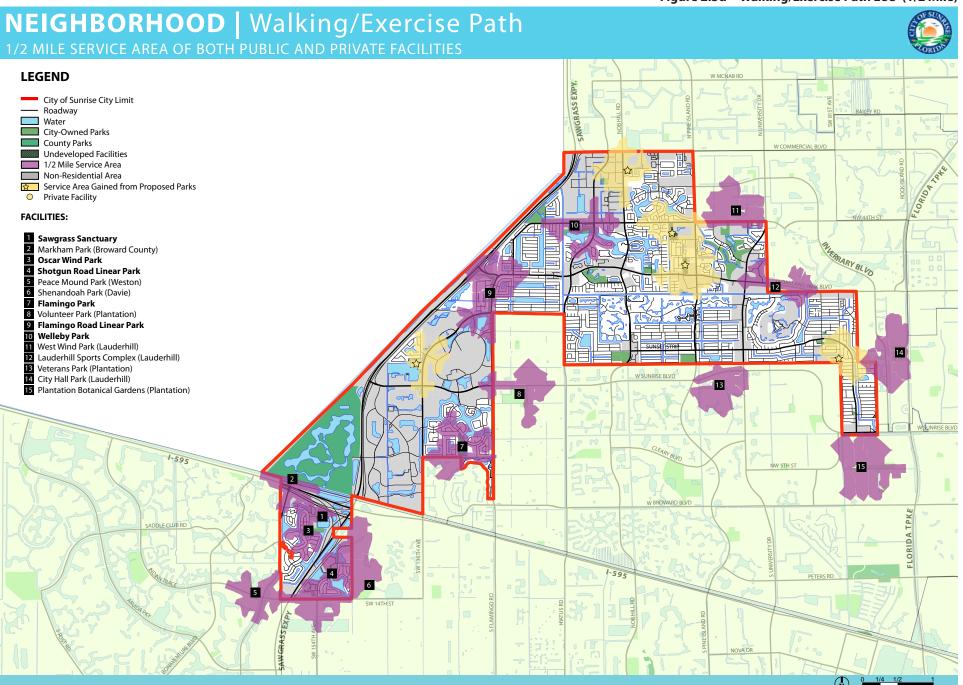
Walking is one of the most common and essential methods of exercise that contributes to a communities overall health. **Figure 2.3d** shows that with the inclusion of the City's undeveloped park spaces, fewer than 50% of the city's residents have a designated walking or exercise path within a half mile of their residence.

Currently, Sunrise has a walking/exercise path at five of its twenty-two facilities, all of which occur in the western half of the city. There are many instances however, where the residents need for this type of facility may be met by the existing sidewalk network within their neighborhood provided that those sidewalks are safe and well maintained.



Flamingo Road Linear Park walking trail

Figure 2.3d Walking/Exercise Path LOS (1/2 Mile)



#### **NEIGHBORHOOD | Fishing Pier/Dock LOS (1/2 Mile)**

In a city with so much water available for recreational use, we believe that every resident should be able to walk to go fishing. **Figure 2.3e** shows that with the inclusion of the applicable undeveloped park spaces, fewer than a quarter of Sunrise residents are able to walk to a fishing pier/dock location.

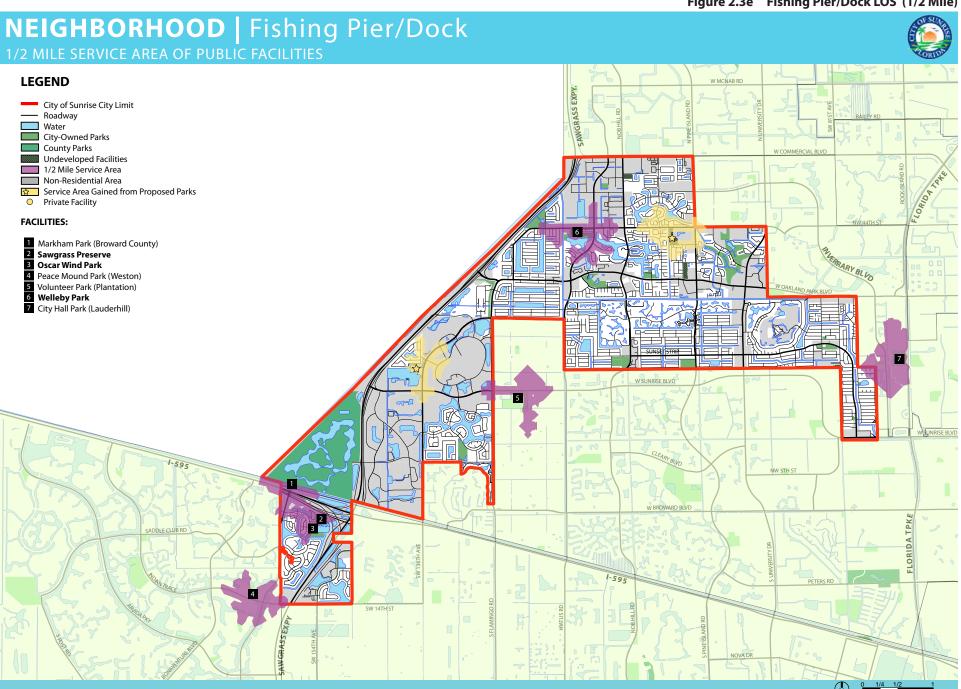
Currently, there are three (3) locations for fishing within their parks and recreation system: Welleby Park, Sawgrass Sanctuary, and Oscar Wind Park. Both Welleby and Oscar Wind Park offer limited access to the adjacent bodies of water.

Many of the water bodies within the existing parks and recreation system are separated from the general park space by a fence. The City has expressed that this is chiefly due to liability created by the steep existing grade of the bank. If the City wishes to expand their LOS for fishing, they may want to consider amending the existing condition of some of their lake banks so that their fences can be removed and water access allowed.



**Fishing dock at Oscar Wind Park** 

Figure 2.3e Fishing Pier/Dock LOS (1/2 Mile)



#### **NEIGHBORHOOD** | Basketball Court LOS (1/2 Mile)

**Figure 2.3f** shows that with the inclusion of private HOA facilities and the applicable undeveloped park sites, fewer than 25% of the residents of Sunrise are able to walk to a basketball court within a half mile of their home.

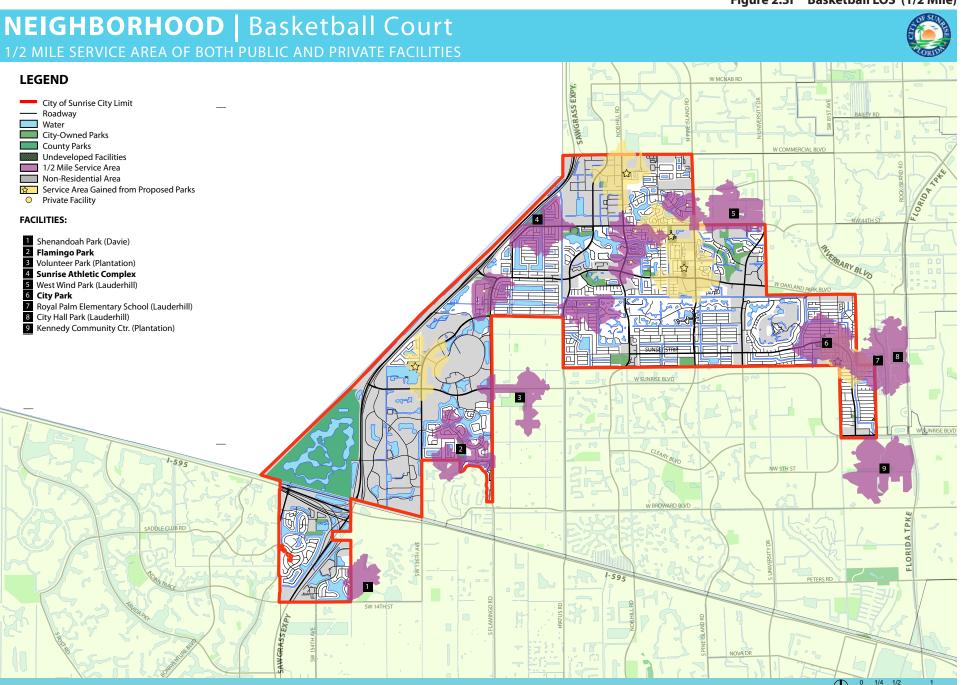
The existing facilities are evenly distributed throughout the city with the exception of the southwestern corner of Sunrise which the largest gap in access.

**Figure 2.2b** shows that based on population, Sunrise has a surplus of tennis courts. If the City wishes to increase their level of service for basketball facilities, they may want to explore the possibility of retrofitting some of their existing, surplus courts.



**Outdoor basketball court at the Sunrise Athletic Complex** 

Figure 2.3f Basketball LOS (1/2 Mile)



#### **COMMUNITY | Tennis Court LOS (3 Miles)**

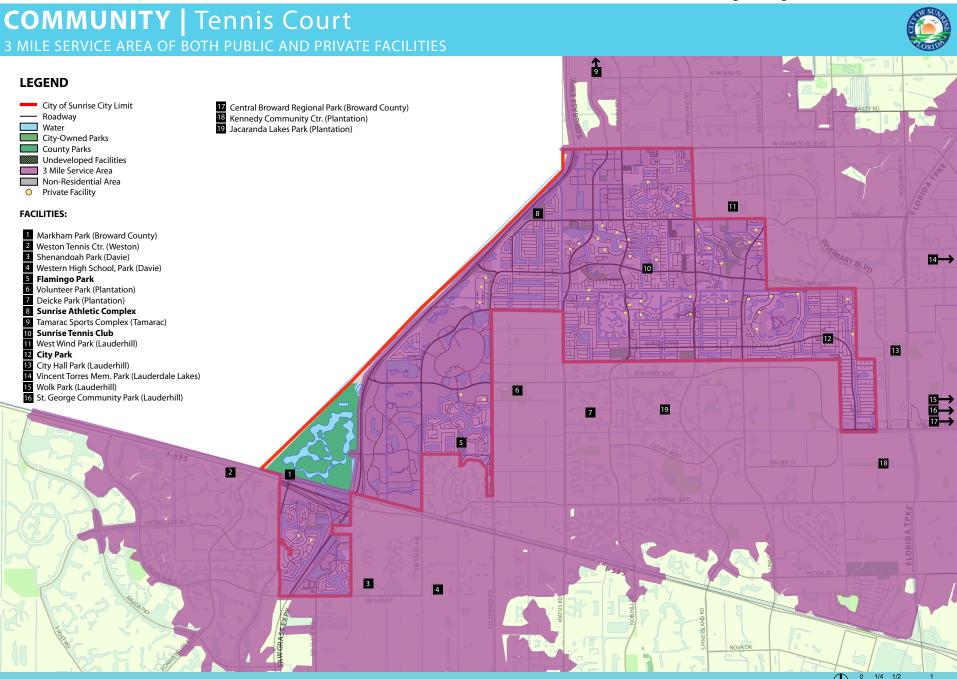
The City of Sunrise currently has twenty-one (21) public tennis courts which, according to SCORP's population-based recommendation, is deficient. When the additional seventy-two (72) private HOA courts are added, the City has a surplus of forty-seven (47) tennis courts (**Figure 2.2b**).

**Figure 2.3g** illustrates that with the inclusion of these private facilities, Sunrise has no gaps in access for tennis facilities.



**Tennis court at the Sunrise Tennis Club** 

Figure 2.3g Tennis Court LOS (3 Miles)



#### **COMMUNITY | Swimming Pool LOS (3 Miles)**

The City currently offers five (5) public swimming pools at four (4) facilities. When this number is compared to SCORP's population-based recommendation it shows that Sunrise has a surplus of one (1) swimming pool. This surplus increases significantly when the additional one-hundred and forty-one (141) private HOA pools are added, thus giving the City a surplus of one-hundred and forty-two (142) pools (**Figure 2.2b**).

**Figure 2.3h** illustrates that with the inclusion of these private facilities, Sunrise has no gaps in access for swimming pool facilities. It should be noted that all of the public pool facilities are located in the central portion of the city and that residents living in the southwest portion of Sunrise are not within three (3) miles of a public pool facility.



Pool at Roarke Hall

Figure 2.3h Swimming Pool LOS (3 Miles)

# **COMMUNITY** | Swimming Pool 3 MILE SERVICE AREA OF BOTH PUBLIC AND PRIVATE FACILITIES **LEGEND** City of Sunrise City Limit Roadway Water 4 City-Owned Parks County Parks Undeveloped Facilities 5 3 Mile Service Area Non-Residential Area Private Facility **FACILITIES:** 1 Markham Park (Broward County) 2 Sunrise Civic Center 3 Welleby Pool 4 Caporella Aquatic Ctr. (Tamarac) 5 Veterans Park (Lauderhill) 6 Village Beach Club 7 Roarke Hall 8 Wolk Park (Lauderhill) 9 Central Broward Regional Park (Broward County) 10 Central Park (Plantation) 10

#### **COMMUNITY** | Football/Soccer Field LOS (3 Miles)

Currently, Sunrise has nine (9) football/soccer fields at five (5) different locations within the city. According to SCORP's population-based recommendation, Sunrise is deficient by six (6) fields (**Figure 2.2a**). However, **Figure 2.3i** shows that when the City facilities are mapped along with those in the surrounding communities that there are no gaps in access within Sunrise. This discrepancy is due to the fact that access maps do not account for population and program related facility demand.



**Football field at the Sunrise Athletic Complex** 

Figure 2.3i Football/Soccer Field LOS (3 Miles)

## **COMMUNITY** | Football/Soccer Field 3 MILE SERVICE AREA OF PUBLIC FACILITIES 8 **LEGEND** City of Sunrise City Limit Roadway Water City-Owned Parks County Parks Undeveloped Facilities 3 Mile Service Area 9 Non-Residential Area Service Area Gained from Proposed Parks Private Facility **FACILITIES:** 1 Oscar Wind Park 2 Tequesta Trace Park (Weston) 3 Heron Park (Weston) 4 Windmill Ranch Park (Weston) 5 Shenandoah Park (Davie) 6 Sunrise Athletic Complex 7 Soccer Club Park 8 Tamarac Sports Complex (Tamarac) 9 Veterans Park (Lauderhill) 10 Piper Field11 Lauderhill Sports Complex (Lauderhill) 12 City Hall Park (Lauderhill) Roy C. Salmon Stadium (Plantation) 14 Central Park (Plantation) 15 Flamingo Park 13 5 3

#### **COMMUNITY | Volleyball Court LOS (3 Miles)**

**Figure 2.3j** shows that with the addition of the private HOA facilities more than 80% of Sunrise residents are able to drive three (3) miles or less to a volleyball court. The only significant gap in access occurs in the southwestern portion of the city near the Sawgrass Mills Mall and the Sawgrass Corporate Park. This gap most greatly affects the Sawgrass Preserve HOA community.

The City currently owns an undeveloped park parcel in this area (Rowan/ Clair Park) and with the inclusion of a volleyball court at this site, could potentially fill the gap in access.



**Volleyball Court at Welleby Park** 

Figure 2.3j Volleyball Court (3 Miles)

## **COMMUNITY** | Volleyball Court 3 MILE SERVICE AREA OF PUBLIC FACILITIES **LEGEND** City of Sunrise City Limit Roadway Water City-Owned Parks County Parks Undeveloped Facilities 3 Mile Service Area 7 Non-Residential Area Service Area Gained from Proposed Parks Private Facility 6 **FACILITIES:** 1 Markham Park (Broward County) 2 Oscar Wind Park 3 Country Isles Park (Weston) 4 Deicke Park (Plantation) Welleby Park West Wind Park (Lauderhill) 7 Veterans Park (Lauderhill) 8 Waterford Park (Lauderhill) 9 City Hall Park (Lauderhill) 10 Wolk Park (Lauderhill) 11 Central Park (Plantation) 4 10→ 2

#### **COMMUNITY | Dog Park LOS (3 Miles)**

Currently, the City does not offer a public, off-leash dog park. There are two (2) dog park facilities in the area; Markham Park in Sunrise and Woodville Dog Park in North Lauderdale. **Figure 2.3k** illustrates that with only two facilities, fewer than 25 percent of the residents of Sunrise are able to drive 3 miles or less to reach a dog park.

If the City wishes to increase their Dog Park LOS it could do so by including a off-leash area at the following undeveloped park spaces: Rowan Lake Park/Sawgrass Preserve, NW 84th Ave. parksite, and either the 44th Street parksite or the Oakland Park parksite.



**Woodville Dog Park in North Lauderdale** 

Figure 2.3k Dog Park (3 Miles)

# **COMMUNITY** | Dog Park 3 MILE SERVICE AREA OF PUBLIC FACILITIES **LEGEND** City of Sunrise City Limit Roadway Water City-Owned Parks County Parks Undeveloped Facilities 3 Mile Service Area Non-Residential Area Service Area Gained from Proposed Parks Private Facility **FACILITIES:** 1 Markham Park (Broward County) 2 Woodville Dog Park (North Lauderdale)