5.11 RECREATION

This section of the DSSEIR evaluates the potential impacts of the 2012 Modified Project on existing recreational amenities and/or facilities in Irvine, as compared to the 2011 Approved Project.

5.11.1 Environmental Setting

Regulatory Setting

City of Irvine Park Standards

For new residential developments, the City requires a dedication of five acres of parkland (three acres of neighborhood and two of community parkland) for every 1,000 residents. However, the adoption of the Amended and Restated Development Agreement (ARDA) (Ordinance No. 09-09) specified that the community park dedication requirement for residential developments in the Proposed Project Site was satisfied through the dedication of land and money for the Great Park. Under the ARDA, the modified neighborhood parkland dedication requirements noted below apply to residential developments within the Proposed Project Site:

- For market-rate residential development, 3 acres of neighborhood parkland for every 1,000 residents
- For affordable-rate residential development, 2 acres of neighborhood parkland for every 1,000 residents.

The population estimates for calculating parkland is based on population generation factors adopted by the City in the Municipal Code Subdivision Ordinance (Park Code, Section 5-5-1004 [c],) which implements the State Quimby Act (California Government Code Section 66477). The actual parkland dedication requirement for the Proposed Project Site, assuming approval of the 2012 Modified Project, will be calculated based on the ARDA.

Additionally, the City's Subdivision Ordinance (Municipal Code Section 5-5-1004) and the adopted Park/Public Facilities Standards Manual (Resolution No. 09-141) establish park and public facilities development standards that govern the acceptance of parkland, collection of park fees, provision of improvements, and development/construction standards and criteria for design of public and private parks. Specific park locations, sizes, and improvement requirements are generally determined in conjunction with the tentative tract map application processes.

The City designates parks under the following classifications, as described in Section 5-5-1004 of the City's Municipal Code.

- Community Parks. Parks that serve a minimum population of 10,000 and are generally a minimum of 20 acres. These parks are designed to serve more than one Planning Area.
- Public Neighborhood Parks. Parks that serve a minimum population of 2,500 and are a minimum of 4 acres.

5. Environmental Analysis

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• Private Neighborhood Parks. Parks that serve the immediate subdivision/development or specific planned community in which they are located, and are a minimum of one-third acre.

Local and Regional Trails

Irvine has landscaped public recreational trails, extensive open space areas, regional parks and open space. The Lower Peters Canyon/San Diego Creek Trail (Class I Off-Street Trail and Riding and Hiking) is located in and near Irvine. Also located a short distance south of Irvine are a variety of other recreational opportunities, such as Upper Newport Bay Ecological Reserve and Regional Park, Laguna Wilderness Park, Crystal Cove State Park, and the Pacific Ocean beaches in Newport Beach, Laguna Beach, and Huntington Beach. In addition, there are several regional parks operated by the County of Orange in or near Irvine. William R. Mason Regional Park is in Irvine. Irvine and Peters Canyon Regional Parks and Limestone-Whiting Wilderness Park are within short travel time. Additionally, there are numerous biking and riding/hiking trails throughout Irvine that make up the Irvine trail system, which is depicted in General Plan Figure B-4, Trails Network. Irvine also has extensive areas of planned and existing open space that offer recreational opportunities such as hiking and mountain biking.

Current Inventory of Parks and Recreation Facilities

Parks in Irvine

Irvine - Public Community Parks

Irvine presently has 18 community parks (listed in Table 5.11-1 below), 37 public neighborhood parks, 200 private neighborhood parks, and other public and private recreational facilities. There are no existing or proposed community parks within the Proposed Project Site. Heritage Fields has met its requirement for dedication of community parkland via past dedication of 165 acres of parkland and payment of fees to the City as set forth in the ARDA. Absent the ARDA, the 2011 Approved Project would require a total of 24.81 acres of community parkland.

Table 5.11-1							
Public Community Park Amenities and Facilities in Irvine							
Distance from OCGP Boundary Size							
<u>Name</u>	Location	(miles)	(acres)	Amenities/Facilities			
Alton Athletic Park	308 W. Yale Loop	3.2	9.8 acres	1 restroom, 2 drinking fountains, 2 lighted soccer fields, 3 lighted ball diamonds, bicycle trail access, 2 batting cages, electrical outlets			
Bommer Canyon	11 Bommer Canyon Road	4.3	15 acres	2 restrooms, 1 drinking fountain, 1 open play area, 1 amphitheater, 1 volleyball court, 1 barbeque, group picnic area, 25 picnic tables, electrical outlets, bicycle trail access			

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Table 5.11-1
Public Community Park Amenities and Facilities in Irvine

Public Community Park Amenities and Facilities in Irvine						
		Distance				
		from OCGP				
		Boundary	Size			
Name	Location	(miles)	(acres)	Amenities/Facilities		
Colonel Bill Barber Marine Corps Memorial Park	4 Civic Center Plaza, corner of Barranca Parkway and Harvard	4	48 acres	Deanna Manning Stadium, 4 lighted softball diamonds, 3 lighted soccer overlay fields, 4 batting cages, 6 lighted tennis courts, 2 child play areas, 1 open play area, 1 amphitheater, 2 concession stands, bicycle trail access, 4 barbeques, 6 group picnic areas, 5 restrooms, 17 drinking fountains, electrical outlets, 24 picnic areas		
Deerfield Community Park	55 Deerwood West, between Culver and Yale along Irvine Center Drive	2.5	10.1 acres	1 multi-use building, 1 restroom, 5 drinking fountains, 2 child play areas, 1 open play area, 4 lighted tennis courts, 2 lighted volleyball Courts, 2 racquetball courts, 1 disc golf course, 1 fitness par course, 4 barbecues, 1 outdoor sink, 1 group picnic area, 11 picnic tables, electrical outlets		
Harvard Athletic Park	14701 Harvard Ave, between Irvine Center Drive and Walnut	3.3	26.9 acres	1 multiuse building, 2 restrooms, 8 drinking fountains, 1 concession stand, 4 lighted soccer fields, 7 lighted ball diamonds, bicycle trail access, 4 batting cages, 5 barbeques, 1 group picnic area, 10 picnic tables, electrical outlets		
Heritage Park	14301 Yale Ave., on the corner of Walnut and Yale	2	36.5 acres	3 pools, 2 multiuse buildings, 4 restrooms, 11 drinking fountains, 2 child play areas, 1 open play area, 1 amphitheater, lake/pond,, 3 lighted soccer fields, 12 lighted tennis courts, 3 basketball courts, 1 volleyball court, 2 lighted racquetball courts, 3 ball diamonds (2 lighted), 22 barbeques, 1 group picnic area, 29 picnic tables electrical outlets		
Hicks Canyon Park	3864 Viewpark	2.5	16.7 acres	1 restroom, 3 drinking fountains, child play area, 1 open play area, 1 concession stand, 2 lighted soccer fields, 2 lighted ball diamonds, bicycle trail access, 4 barbeques, 2 group picnic areas, 6 picnic tables, electrical outlets		
Las Lomas Community Park	10 Federation Way, the corner of Turtle Ridge and Federation Way	5.2	18.3 acres	1 multiuse building, 1 restroom, 6 drinking fountains, 2 child play areas, open play area, 1 concession stand, 2 lighted soccer fields, 2 lighted tennis courts, 2 lighted ball fields, 2 basketball courts, 1 lighted racquetball/handball court, 2 group picnic areas, 7 barbeques, 14 picnic tables		
Lower Peters Canyon Community Park	3901 Farwell	2.8	10.3 acres	1 restroom, 1 drinking fountain, 1 child play area, 1 lighted soccer field, 8 lighted tennis courts, 2 barbeques, 8 picnic tables		
Northwood Community Park	4531 Bryan, at the corner of Yale and Bryan	2	17.7 acres	1 multiuse building, 3 restrooms, 4 drinking fountains, 1 child play area, 1 open play area, 1 amphitheater, 2 soccer fields, 2 lighted tennis courts, 2 basketball courts, 2 racquetball courts, 2 ball diamonds (1 lighted), , 4 barbecues, 2 group picnic areas, 14 picnic tables, electrical outlets, 1 fitness par course, shuffle board court, ½ mile track		

Table 5.11-1
Public Community Park Amenities and Facilities in Irvine

		51.1		id i acinties in ii vine
		Distance		
		from OCGP		
		Boundary	Size	
Name	Location	(miles)	(acres)	Amenities/Facilities
Oak Creek Community Park	15616 Valley Oak	1	11.7 acres	1 restroom, 2 drinking fountains, 2 child play areas, 2 lighted soccer fields, 1 ball diamond, 1 group picnic area,, 8 barbeques, 8 picnic tables, electrical outlets
Quail Hill Community Park	35 Shady Canyon Drive	2.3	16.0 acres	1 restroom, 4 drinking fountains, 2 lighted basketball courts, 2 lighted baseball fields, 3 soccer fields, 2 barbeques, 2 picnic tables, electrical outlets, bicycle trail access
Rancho Senior Center	3 Ethel Coplen Way, at Ethel Coplen Way between Michelson and University along Culver Drive	4.4	2.1 acres	1 multiuse building, 1 restroom, 1 drinking fountain, 1 barbecue, electrical outlets
Turtle Rock Community Park	1 Sunnyhill At the corner of Sunnyhill and Turtle Rock Drive	3.9	25.1 acres	1 multiuse building, 2 restrooms, 5 drinking fountains, 3 child play areas, 1 open play area, 1 amphitheater, 4 lighted tennis courts, 1 lighted volleyball court, 1 ball diamond, 12 barbecues, 1 group picnic area, 28 picnic tables, electrical outlets, bicycle trail access
University Community Park	1 Beech Tree Lane On Beech Tree Lane along University Drive	3.7	16.3 acres	1 multiuse building, 1 restroom, 3 drinking fountains, 2 child play areas, 1 open play area, 3 lighted soccer fields, 4 lighted tennis courts, 1 basketball court, 2 lighted volleyball courts, 1 disc golf course, 3 lighted racquetball courts, 3 group picnic areas, 2 barbeques, 12 picnic tables, electrical outlet
Windrow Community Park	285 E Yale Loop At the corner of E Yale Loop and Barranca Parkway	1.9	18.9 acres	Ryan Lemmon Stadium, 2 lighted ball fields,, 1 lighted soccer field, 1 lighted basketball court (half-court), 4 batting cages, 1 concession stand, 4 picnic tables, 1 restroom, 3 drinking fountains, electrical outlets, bicycle trail access
Woodbridge Community Park, Lakeview Senior Center, and Adult Day Health Center	20 Lake Road	2.7	22 acres	2 lighted basketball courts, 1 volleyball, 1 multi-use building, 4 racquetball courts, 3 restrooms, 2 drinking fountains, 1 amphitheater/stage, 2 barbeques, and 4 picnic tables, 1 group picnic area, electrical outlets, bicycle trail access
Woodbury Community Park	130 Sanctuary	0.8	10.7	1 soccer field (unlighted), 2 basketball courts, 2 ball diamonds (unlighted), 4 barbeques, 3 group picnic areas, 11 picnic tables, 1 multi-use building, 1 restroom, 2 drinking fountains, 2 child play area, 1 open play area, bicycle trail access
Source: City of Irvine 2011				

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Irvine – Public Neighborhood Parks

Currently, there are no public neighborhood parks within the Proposed Project Site. However, Table 5.11-2 below lists all of the City's public neighborhood parks that are within two miles of the boundaries of the Proposed Project Site.

Table 5.11-2
Public Neighborhood Park Amenities and Facilities in Irvine
Within Two Miles of the Proposed Project Site

		Distance from	Ci	
		Proposed Project	Size	
Name	Location	Site (miles)	(acres)	Amenities/Facilities
Blue Gum	14 Aberdeen	1.5	2.7	1 volleyball court, 3 barbeques, 2 picnic tables, 1 drinking fountain, 1 child play area, 1 open play area, 1 restroom
Carrotwood	60 Bennington	1.6	3.1	1 soccer field, 1 basketball court, 1 volleyball court, 1 drinking fountain, 1 child play area, 1 open play area, 1 barbeque, 1 group picnic area
Citrus Glen	12170 Citrusglen	1.9	3.1	4 tennis courts, 2 barbeques, 4 picnic tables, 1 restroom, 1 drinking fountain, 1 child play area, and 1 open play area, 1 group picnic area, bicycle trail access
Hoeptner	5331 Hoeptner	1.6	2.2	2 tennis courts, 2 drinking fountains, 1 child play area, and 1 open play area, bicycle trail access
Knollcrest	2065 Knollcrest	1.9	3.0	2 child play areas, 1 drinking fountain, 1 restroom, 2 lighted tennis courts, 2 barbecues, 1 group picnic area with 4 picnic tables
Orchard	1 Van Buren	2.0	6.0	1 soccer field, 2 basketball courts, 1 ball diamond, 3 barbeques, 8 picnic tables, 1 group picnic area, 1 restroom, 1 drinking fountain, 2 child play areas, and 1 open play area.
Pepperwood	55 Columbus	1.9	3.1	4 barbeques, 1 drinking fountain, 1 child play area, and 1 open play area.
Ranch	5161 Royale	1.6	8.7	2 barbecues, 1 group picnic area, 1 child play area, and 1 open play area.
Sycamore	27 Lewis	1.6	6.9	3 barbecues, 2 group picnic areas, 7 picnic tables, 1 drinking fountain, 1 child play area, and 1 open play area.
Valley Oak	16001 Valley Oak	1.4	5.0	1 child play area, 1 drinking fountain, 1 open play area, 1 restroom, 1 basketball court, 2 lighted tennis courts, 1 group picnic area with 8 picnic tables
Source: City of Irvine	e 2012.			

Irvine – Private Neighborhood Parks

There are currently no private neighborhood parks within the Proposed Project Site. Table 5.11-3 lists the location of all of the private neighborhood parks within two miles of the Proposed Project Site boundary.

Table 5.11-3 Existing Private Neighborhood Parks within Two Miles of the Proposed Project Site

PA 6
31 Sacred Path
95 Ranchland
56 Ridge Valley
63 White Sage
100 Pathway
91 Scarlet Bloom
53 White Sage
PA 8
40 Early Light
PA 9
38 Sanctuary
53 Winding Way
52 Mapleton
42 Rolling Green
31 Hedge Bloom
223 Vintage
321 Crested Bird
355 Azurite
50 Splendor
30 Crosspointe
148 Sanctuary
40 Iceberg Rose
65 Lamplighter
108 Lamplighter
42 Enchanted
45 Talisman
61 Great Lawn
180 Great Lawn
135 Rembrandt
330 Corinthian
90 Calypso
PA 33
18000 Spectrum

Regional Parks Outside Irvine and Within Two Miles of the Proposed Project Site

Limestone Canyon and Whiting Ranch Regional Parks are located north and across SR-241 (the Foothill Transportation Corridor) from the Proposed Project Site. The two parks combined contain approximately 4,300 acres of riparian and oak woodland canyons, grassland hills, and slopes of coastal sage scrub and chaparral. Amenities include hiking, bicycling, and equestrian trails, portable restrooms, and a visitor center (OC Parks 2012).

Laguna Coast Wilderness Park, located 1.6 miles southwest of the Proposed Project Site, spans 7,000 acres of coastal sage scrub and oak and sycamore woodlands. Amenities include hiking, bicycling, and equestrian trails, restrooms, an interpretive center, and a botanical preserve (OC Parks 2012).

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5.11.2 Thresholds of Significance

Based on Appendix G of the CEQA Guidelines, the City has determined that a project would normally be considered to have a significant effect on the environment if the project:

- R-1 Would increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated.
- R-2 Includes recreational facilities or requires the construction or expansion of recreational facilities which might have an adverse physical effect on the environment.

5.11.3 The 2011 Approved Project

Per the adopted ARDA, the 2011 Approved Project has fulfilled its community parkland dedication requirements through the transfer of land to establish the Great Park, which will provide a large regional open space amenity for the benefit of the entire Orange County region. In addition, consistent with the ARDA, residential development on the Approved Project Site will be required to fulfill its neighborhood park requirements on-site.

The calculation for required neighborhood parkland per the ARDA was revised for the 2011 Approved Project in the 2011 SEIR. The 2011 SEIR concluded that the 2011 Approved Project would require 35.97 acres of neighborhood parkland. The demand for neighborhood parkland under the 2011 Approved Project is detailed in Table 5.11-4 below.

No significant impacts to existing recreation facilities were identified in the 2011 Certified EIR.

Impacts of development and long-term operation of these open space and recreation uses, as well as mitigation measures for such impacts, were analyzed in topical sections of the 2011 Certified EIR. No significant impacts due to park development, and no mitigation measures, were specifically identified in the 2011 Certified EIR or the associated MMRP.

Table 5.11-4
Neighborhood Parkland Demand Generated by the 2011 Approved Project

Weighboillood Farkland E							
			Estimated		Required Parkland, Acres		
	Residential	Density	Number	Persons per	Total	Per 1,000	
District	Unit Types	Category	of Units	Household	Persons	Residents	Total
	Single-Family Detached	Low (0-5)	203	2.94	597	3	1.79
	Single-Family Detached	Medium (0-10)	608	2.57	1,563	3	4.69
1 North	Single-Family Attached	Medium- High (0-25)	442	2.29	1,012	3	3.04
	Apartments- Family (Affordable)	Medium- High (0-25)	196	2.29	449	2	0.90
	Apartments- Senior (Affordable)	Medium- High (0-25)	182	2.29	417	2	0.83
	Apartments (Affordable)	Medium- High (0-25)	166	2.29	380	2	0.76
	Single-Family Detached	Medium (0-10)	154	2.57	396	3	1.19
1 South	Single-Family Attached	Medium (0-10)	96	2.29	220	3	0.66
	Single-Family Attached	Medium- High (0-25)	179	2.29	410	3	1.23
	Single-Family Detached	Low (0-5)	137	2.94	403	3	1.21
4	Single-Family Detached	Medium (0-10)	541	2.57	1,390	3	4.17
	Single-Family Attached	Medium- High (0-25)	424	2.29	971	3	2.91
7	Single-Family Detached	Low (0-5)	255	2.94	750	3	2.25
7	Single-Family Detached	Medium (0-10)	585	2.57	1,503	3	4.51
0	Single-Family Detached	Low (0-5)	213	2.94	626	3	1.88
8	Single-Family Detached	Medium (0-10)	513	2.57	1,318	3	3.95
Total			4,894	Not applicable	12,405	Not applicable	35.97

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5.11.4 Environmental Impacts of the 2012 Modified Project

The following impact analysis addresses impacts that the Initial Study disclosed were potentially significant impacts of the 2012 Modified Project concerning park and recreation facilities. The applicable potential impacts are identified in brackets after the impact statement.

IMPACT 5.11-1:

THE 2012 MODIFIED PROJECT WOULD RESULT IN AN INCREASE IN THE NUMBER OF RESIDENTS ON THE PROPOSED PROJECT SITE AS COMPARED TO THE 2011 APPROVED PROJECT, AND THEREFORE WOULD INCREASE THE USE OF EXISTING PARK AND RECREATION FACILITIES. [IMPACT R-1]

Impact Analysis: While the 2011 Approved Project included 4,894 residential units, the 2012 Modified Project would increase that total to 9,500 residential units (or a maximum of 10,700 residential units with the optional conversion). In other words, the 2012 Modified Project would add 4,606 units (including 1,194 density bonus units) and approximately 11,323 additional residents. With the optional conversion, the 2012 Modified Project would add a total of 5,806 units (including 1,505 density bonus units) and approximately 14,274 additional residents. As shown below in Table 5.11-5a, the 2012 Modified Project would create a need for approximately 32.80 acres of additional neighborhood park dedication, as compared to the 2011 Approved Project. As shown in Table 5.11-5b, the 2012 Modified Project with optional conversion would create a need for approximately 41.34 acres of additional neighborhood park dedication, as compared to the 2011 Approved Project.

Table 5.11-5a
Additional Parkland Demand Generated by 2012 Modified Project

				Required Parkland, Acres	
		Estimated Persons	Total	Per 1,000	
Residential Unit Types	Number of Units	per Household	Persons	Residents	Total
Additional Single-Family	1,194	2.94	3,510	3	10.53
Additional Multiple Family Units (Market Rate)	2,900	2.29	6,641	3	19.92
Additional Multiple Family Units (Affordable)	512	2.29	1,172	2	2.35
Additional Units Total	4,606	N/A	11,324	N/A	32.80

Table 5.11-5b Additional Parkland Demand Generated by 2012 Modified Project with Optional Conversion

				Required Parkland, Acres	
		Estimated Persons	Total	Per 1,000	
Residential Unit Types	Number of Units	per Household	Persons	Residents	Total
Additional Single-Family	1,505	2.94	4,425	3	13.27
Additional Multiple Family Units (Market Rate)	3,655	2.29	8,370	3	25.11
Additional Multiple Family Units (Affordable)	646	2.29	1,479	2	2.96
Additional Units Total	5,806	N/A	14,274	N/A	41.34

Regarding community parks, as discussed above, the Applicant has satisfied its community park requirements through the past dedication of 165 acres of land and payment of fees to the City as set forth in the ARDA. Absent the ARDA, the 2012 Modified Project would require a total of 47.46 acres of community parkland, or a total of 53.35 acres of community parkland with the optional conversion.

The 2012 Modified Project would be required to provide sufficient neighborhood parkland acreage to meet the demand created by its residential population, and, as stated above, the community park requirements have already been fulfilled. The impacts of the construction of the 2012 Modified Project's neighborhood parkland are analyzed in other sections of this DSSEIR (i.e., Sections 5.3, *Air Quality*, 5.4, *Greenhouse Gas Emissions*, 5.8, *Noise*, and 5.12, *Transportation and Traffic*) as part of the development of the overall 2012 Modified Project.

Interim Parkland Impacts

The 2012 Modified Project would be constructed in phases. The 2012 Modified Project includes construction of required park facilities within each of the districts needed to serve future residents. However, as each of the districts is constructed, there may be short periods of time when the residences are constructed prior to construction of the parks necessary to serve that district. During this time, there may be short-term increases in use of existing park facilities located in the vicinity of the Proposed Project Site, including the facilities listed in Tables 5.11-1 and 5.11-2. However, considering the short-term nature of the impact, the fact that residential development would occur in phases, and the number of existing facilities located in the vicinity of the Proposed Project Site, this impact is not considered significant.

Comparison to 2011 Approved Project

The 2011 Certified EIR concluded that the 2011 Approved Project would not result in a significant impact with respect to physical deterioration of existing parks or recreation facilities. The 2011 Approved Project did not create any significant impacts.

The 3,412 new multi-family residential units proposed by the 2012 Modified Project (or 4,301 new multi-family units with the optional conversion) are in addition to the 3,625 units already included in the 2011

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Approved Project. The 1,194 new residential density bonus units proposed by the 2012 Modified Project (or 1,505 new residential density bonus units with the optional conversion) are in addition to the 1,269 density bonus residential units included in the 2011 Approved Project. Pursuant to the ARDA's requirements, the 2012 Modified Project's additional multi-family residential units would create an additional demand for 22.27 acres of neighborhood parkland (or 28.07 acres of neighborhood parkland with the optional conversion). The additional density bonus units would create an additional demand for 10.53 acres of neighborhood parkland (or 13.27 acres of neighborhood parkland with the optional conversion).

As discussed below under Impact 5.11-2, the 2012 Modified Project would dedicate additional neighborhood parkland acreage in an amount needed to comply with ARDA requirements. The impact on parks resulting from the 2012 Modified Project is considered less than significant.

Mitigation Program and Net Impact

No mitigation measures are recommended in this DSSEIR as the 2012 Modified Project's impacts related to existing parks and recreation facilities are less than significant without mitigation.

IMPACT 5.11-2

THE 2012 MODIFIED PROJECT WOULD INVOLVE DEVELOPMENT AND/OR DEDICATION OF APPROXIMATELY 32.80 ACRES OF ADDITIONAL NEIGHBORHOOD PARKS (OR 41.34 ACRES OF NEIGHBORHOOD PARKS WITH THE OPTIONAL CONVERSION). THE IMPACT OF SUCH DEVELOPMENT IS ANALYZED THROUGHOUT CHAPTER 5 OF THIS DSSEIR [IMPACT R-2].

Impact Analysis: The 2012 Modified Project proposes development of an additional 32.80 acres of neighborhood parkland as compared to the 2011 Approved Project. With the optional conversion, the 2012 Modified Project proposed development of an additional 41.34 acres of neighborhood parkland as compared to the 2011 Approved Project. When added to the neighborhood parkland included in the 2011 Approved Project, implementation of the 2012 Modified Project would result in a total of 68.77 acres of neighborhood parks without the optional conversion and 77.31 acres of neighborhood parks with the optional conversion. The proposed public neighborhood parkland would be offered for dedication pursuant to the adopted ARDA and would also meet dedication requirements set forth in applicable provisions of the City's Local Park Code and Subdivision Ordinance.

The impacts of development of these proposed parks are part of the impacts of the development of the 2012 Modified Project as a whole, which are analyzed throughout the various sections of Chapter 5 of this DSSEIR. For example, activities such as grading and construction would result in impacts that are analyzed in other sections of this DSSEIR including 5.3, *Air Quality*, 5.4, *Greenhouse Gas Emissions*, 5.8, *Noise*, and 5.12, *Transportation and Traffic*. Development of the afore-mentioned neighborhood parkland would not have impacts other than those identified in other sections of this DSSEIR.

Comparison to the 2011 Approved Project

The 2011 Certified EIR contained mitigation measures in several sections of its environmental analysis that would apply to the construction and operation of parks and recreational facilities, and determined that impacts would be less than significant. Those mitigation measures are incorporated into the 2012

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Modified Project. Impacts of construction of the parks necessitated by the 2012 Modified Project are discussed throughout the other various sections of Chapter 5 of this DSSEIR.

Mitigation Program and Net Impact

No mitigation measures are introduced in this Section 5.11 of this DSSEIR, as any impacts related to the development of parks and recreational facilities are already less than significant without mitigation or are addressed in the other sections of Chapter 5 of this DSSEIR.

5.11.5 Cumulative Impacts

According to OCP-2010 (CDR 2012), Irvine is projected to have a population of 291,813 people in 2035. Based on the City's Park Code, buildout of Irvine would generate the need for a total of 1,459 acres of parkland and/or the equivalent in amenities, improvements, or fees.

Irvine's residential population in 2010 was 212,375 residents (U.S. Census, 2010). As such, consistent with the City's Municipal Code, 1,062 acres of parkland are required to meet Irvine's current estimated population. Currently, there are a total of 540.6 acres of public parkland (City of Irvine 2012) and 617.7 acres within private parkland. The remainder of the 1,459 acres projected to be needed in 2035 (435 acres) would be provided through City-required neighborhood park dedication or equivalent amenities or fees made in conjunction with individual future residential project approvals.

In addition to the construction of the 68.77 acres of neighborhood parks located on the Proposed Project Site (or 77.31 acres of neighborhood parks with the optional conversion), construction of the 1,145.3-acre Great Park would also provide parkland for area residents. Completion of the Great Park will occur in phases between now and the City's post-2030 General Plan buildout year. The Great Park would provide park space and amenities for residents of the 2012 Modified Project as well as for residents of other parts of the City and of surrounding communities, and would serve to alleviate the effects of population growth on existing parks and park facilities. Overall parks and open space that would be developed as part of the 2012 Modified Project would contribute toward meeting the need for parkland in Irvine at buildout. Project development would have a favorable impact on supply of parkland in Irvine and the 2012 Modified Project would not contribute to an adverse cumulative impact on parks and recreation facilities.

Cumulative impacts of the construction of parks and park amenities by the 2012 Modified Project are analyzed in other sections of this DSSEIR. No further net incremental cumulative impact is identified in this section.

5.11.6 Applicable Mitigation Measures from the 2011 Certified EIR

No mitigation measures other than compliance with the requirements of the City's Local Park Code and Subdivision Ordinance (Section 5-5-1004 (C)) were identified in the 2011 Certified EIR.

5.11.7 Level of Significance Before Additional Mitigation

Impacts 5.11-1

The 2012 Modified Project would require approximately 32.80 additional acres of parkland (or 41.34 acres of parkland with the optional conversion) on the Proposed Project Site above what was approved in

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the 2011 Approved Project. The 2012 Modified Project would develop amenities on that parkland, like the 2011 Approved Project. The acreage of parkland offered for dedication would comply with the applicable requirements in the ARDA. Thus, development of the 2012 Modified Project is not expected to cause or accelerate deterioration of existing park facilities. Impacts of the 2012 Modified Project on existing parkland and park facilities would be less than significant.

Impact 5.11-2

The 2012 Modified Project would require approximately 32.80 acres of additional parkland (or 41.34 acres of parkland with the optional conversion) in addition to the parkland included in the 2011 Approved Project, the impacts of the construction of which are analyzed throughout the various sections of Chapter 5 of this DSSEIR. No additional significant impacts are identified in this Section.

5.11.8 Additional Mitigation Measures for the 2012 Modified Project

No additional mitigation measures are required because impacts of the 2012 Modified Project are less than significant without additional mitigation.

5.11.9 Level of Significance After Additional Mitigation

Impacts associated with parks and recreational facilities would be less than significant without further mitigation.

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