









# Specific Plan City of San Bernardino

November 2015

# Rancho Palma Specific Plan

### Prepared for:

### **City of San Bernardino**

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November 2015

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### 1 INTRODUCTION

### 1.1 Overview and Vision

The Rancho Palma Project is dedicated to create a mixed use neighborhood that respects the surrounding community by type and quality of development. The project provides additional shopping and commercial services to the area within walking distance to residents of Rancho Palma and the Verdemont Heights Community.

Rancho Palma has established the following Four Cornerstones guiding the design philosophy of the project:

### 1.1.1 City's Heritage

- 1. Establish a California-focused theme and character.
- Create a landscape palette that is "California Friendly" incorporating native species and drought tolerant plants.
- 3. Provide for a compatible and quality development.

### 1.1.2 Neighborhood Centered

- 1. Provide parks as gathering places for the neighborhood.
- 2. Create a walkable environment to parks and commercial uses.
- 3. Incorporate a variety of home sizes and architectural styles.
- 4. Provide safe streets and a wholesome living environment.

### 1.1.3 Green and Healthy Lifestyle

- 1. Promote a healthy lifestyle with walkable park and shopping opportunities.
- 2. Include a commercial center near the freeway for local goods, services, and job creation, and to reduce traffic.
- 3. Promote energy and water conservation, and utilize California-friendly plants to reduce landscape irrigation.

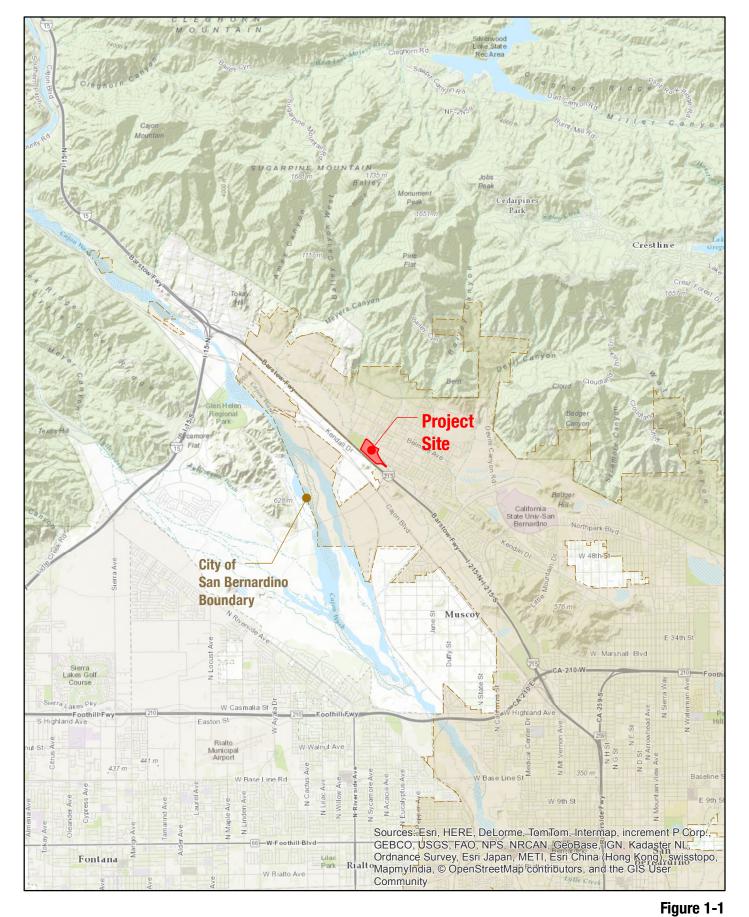
### 1.1.4 Fiscally Responsible

- 1. Structure Rancho Palma's development so that it is financially self-sufficient, and does not require any new funding from the City.
- 2. Increase population to support existing and future businesses.
- 3. Provide additional sales tax revenue for the City's General fund.
- 4. Promote savings in the improvement of existing streets.
- 5. Provide for the operation and maintenance of parks and streets.

### 1.2 <u>Location and Surrounding Environment</u>

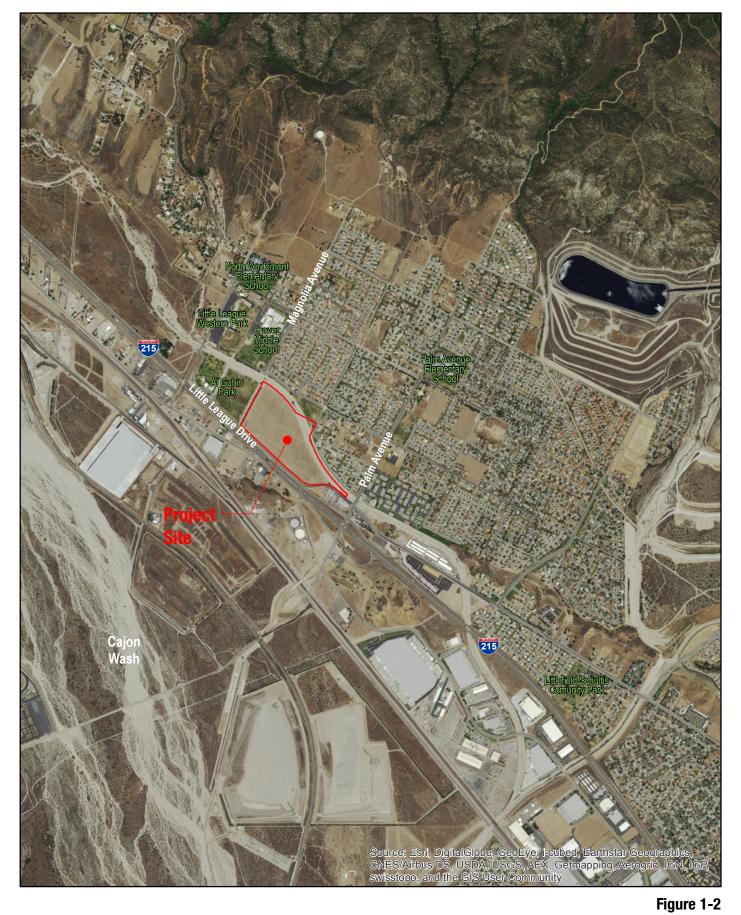
Rancho Palma is located in the City of San Bernardino's Verdemont Heights Community at the base of the San Bernardino Mountains (see Figures 1-1, Regional Map, and 1-2 Vicinity Map). The site takes access from West Little League Drive, which forms the southwest border of the specific plan area. Cable Creek Channel forms the northeast border of the site, except for an approximate one-half acre portion that is adjacent to Ronald Reagan Park. Just south of the site is an existing commercial center at the intersection of Palm Avenue and West Little League Drive.

Northeast of Rancho Palma is the Cable Creek Channel, Ronald Reagan Park and the Verdemont Heights Community. North of the site is Al Guhin Park, Chavez Middle School, North Verdemont Elementary School, and the Little League Baseball Western Region Headquarters. Southwest of the site is West Little League Drive, which is adjacent to the Barstow Freeway (Interstate 215). Southwest of the freeway are existing residences, industrial areas, and Historic Route 66. Southeast of Rancho Palma are existing commercial businesses, Palm Avenue, and the Palm Avenue/Interstate 215 interchange, the Verdemont Heights Community and industrial uses.



# **Regional Map**

8,000 Feet



# Vicinity Map

2,000 Feet



### 2 DEVELOPMENT PLAN

### 2.1 <u>Project Objectives</u>

- 1. Establish a mixed use community for the Verdemont Heights Community with a balance of land uses including commercial, single family housing, and recreation.
- 2. Deliver an appropriately sized neighborhood commercial center that provides a mix of retail uses with employment growth and increased sales tax for San Bernardino.
- 3. Provide new single family housing in the Verdemont Heights Community with two lot size categories and corresponding home sizes to serve a variety of future resident lifecycles.
- 4. Increase the Verdemont Heights Community's recreation opportunities by expanding the size and/or amenities of Ronald Reagan Park.
- 5. Adopt appropriate standards and design guidelines to implement the development to insure compatibility to surrounding neighborhoods.
- 6. Promote a sense of community and character by providing neighborhood signage and monumentation.
- 7. Create a pedestrian environment with walkable parks and commercial uses.
- 8. Provide for a fiscally sound project that provides for ongoing maintenance and operation of neighborhood parks and project streets with the additional sales tax revenues from the commercial uses.
- 9. Improve circulation in the Verdemont Heights Community with improvements of West Little League Drive and Magnolia Avenue adjacent to the project.
- 10. Facilitate additional public parking with the improvement of West Little League and Magnolia Avenue.
- 11. Reduce the need for overnight parking of RV units on the street or driveways with the provision of a RV storage yard.
- 12. Reduce the water consumption thru the use of native, drought tolerant landscaping and "smart" irrigation systems.
- 13. Promote a "Green" project with water and energy saving measures as defined by the Sustainable Guidelines.

### 2.2 Land Use Plan

#### 2.2.1 Land Use Concept

The project allows up to 120 single family dwelling units located within two residential planning areas, and up to 98,000 square feet of commercial uses in one planning area. Figure 2-1, Land Use Plan, depicts the land uses within Rancho Palma. The residential areas are designed to provide a gated single family community with access to a variety of recreational opportunities, while the commercial planning area is designed to provide retail opportunities for local residents, as well as to take advantage of the adjacent regional traffic along Interstate 215.

In addition to the residential and commercial components, two private parks and a paseo are provided within the residential portion, along with a recreational vehicle storage lot, and approximately one-half acre of parkland will be dedicated for the expansion of Ronald Reagan Park. Table 2-1, Land Use Plan Summary Table, depicts the acreage of each of the Rancho Palma land uses.

Table 2-1 Land Use Plan Summary Table

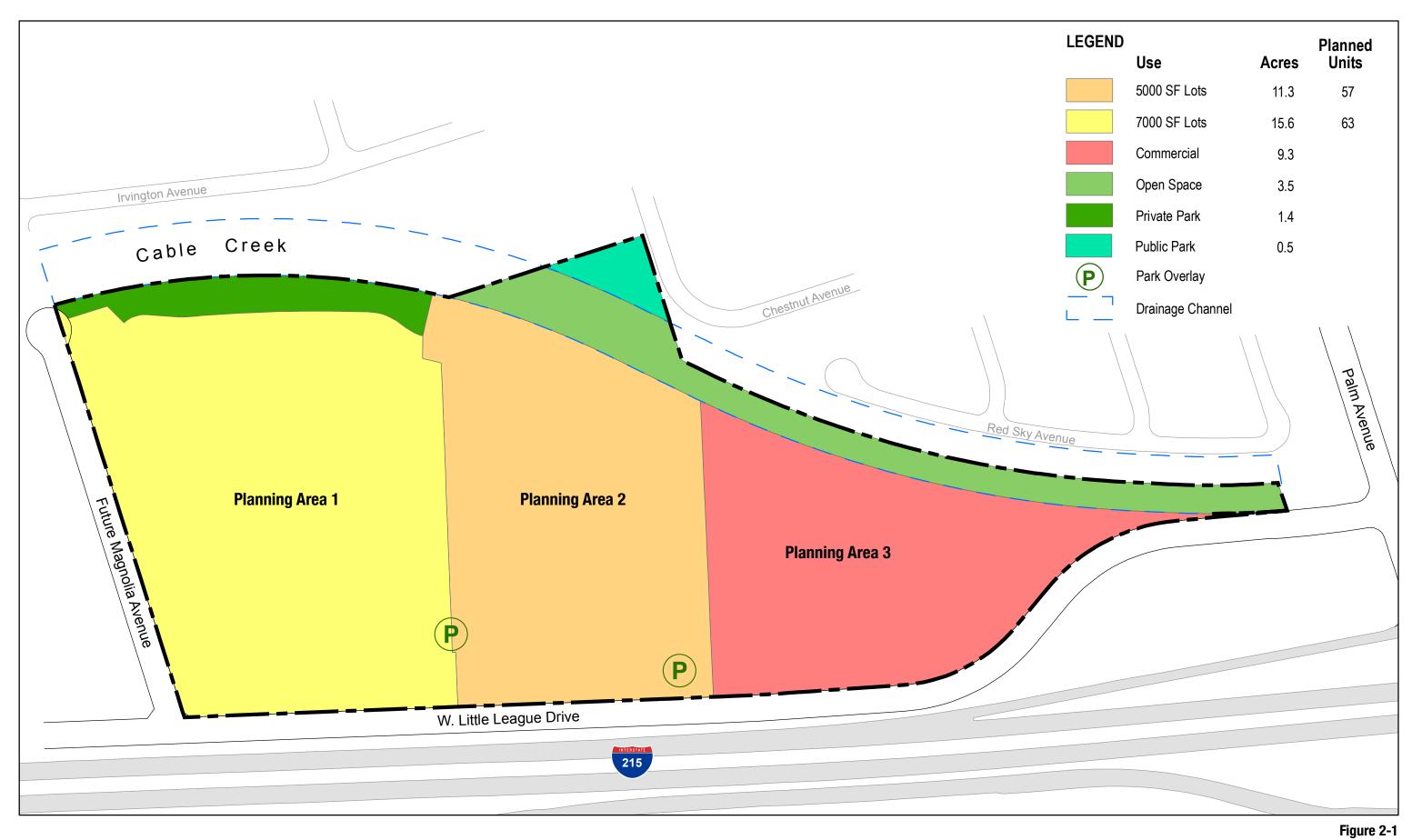
Land Use	Acres	Planned Units	Maximum <sup>1</sup> Units
Planning Area 1 (Residential - 7,000 sf)	15.6	63	70
Planning Area 2 (Residential – 5,000 sf)	11.3	57	62
Planning Area 3 (Commercial)	9.3		
Public Park (Ronald Reagan Park Expansion)	0.5		
Private Park (Linear Park)	1.4		
Open Space (Cable Creek Channel)	3.5		
Total	41.6	120	120

#### 2.2.2 Residential Land Uses

Rancho Palma provides for a maximum of 120 single family dwelling units in two lot sizes; 5,000 square foot and 7,000 square foot. These lot sizes are consistent with other residential areas in the Verdemont Heights Community. Planning Area 1 is designed to contain 63 dwelling units with a maximum of 70 dwelling units and a minimum lot size of 7,000 square feet. Planning Area 2 is designed to contain 57 dwelling units with a maximum of 62 dwelling units and a minimum lot size of 5,000 square feet. These residential areas will be gated, with access taken from West Little League Drive and Magnolia Avenue.

2-2

<sup>&</sup>lt;sup>1</sup> Total Permitted dwelling units within a residential Planning Area may be lesser or greater that the planned number if: a) the maximum units are not exceeded for any Planning Area, and b) the overall Specific Plan does not exceed 120 units.



## **Land Use Plan**

In addition to the dwelling units, a private pocket park and paseo will be provided, along with a recreational vehicle storage lot, and a drainage basin. Conceptual designs for the pocket park and paseo are located in Chapter 4, Design Guidelines. The final location of the pocket park, paseo, recreational storage lot and drainage basin will be determined during the site planning process.

#### 2.2.3 Commercial Land Uses

Planning Area 3 is designated Commercial and is intended to provide retail and service opportunities for the Verdemont Heights Community as well as the regional traffic along the adjacent Interstate 215. These uses will also provide additional sales tax revenue and employment opportunities for the City of San Bernardino. The maximum amount of commercial uses permitted in the Planning Area 3 is 98,000 square feet.

#### 2.2.4 Public and Private Parks

Two areas are designated as Park on the Rancho Palma Land Use Plan. The public park is an expansion of the existing Ronald Reagan Park, located east of the Cable Creek Channel. This parcel will be dedicated to the City of San Bernardino. The private park is a neighborhood park located adjacent to Planning Area 1. A conceptual design of the park is located in Chapter 4, Design Guidelines.

The City of San Bernardino requires 5 acres of parkland for every 1,000 residents. Using the City's formula of 3.48 residents per dwelling unit, the park requirements for Rancho Palma is approximately 91, 000 square feet. The Ronald Reagan expansion site and the Neighborhood Park total approximately 83,000 square feet. The pocket park and paseo are anticipated to be approximately 13,000 square feet bringing the total park area provided at 96,000 square feet. The linear park, pocket park, and paseo will be fully improved and will be maintained by the Homeowners Association.

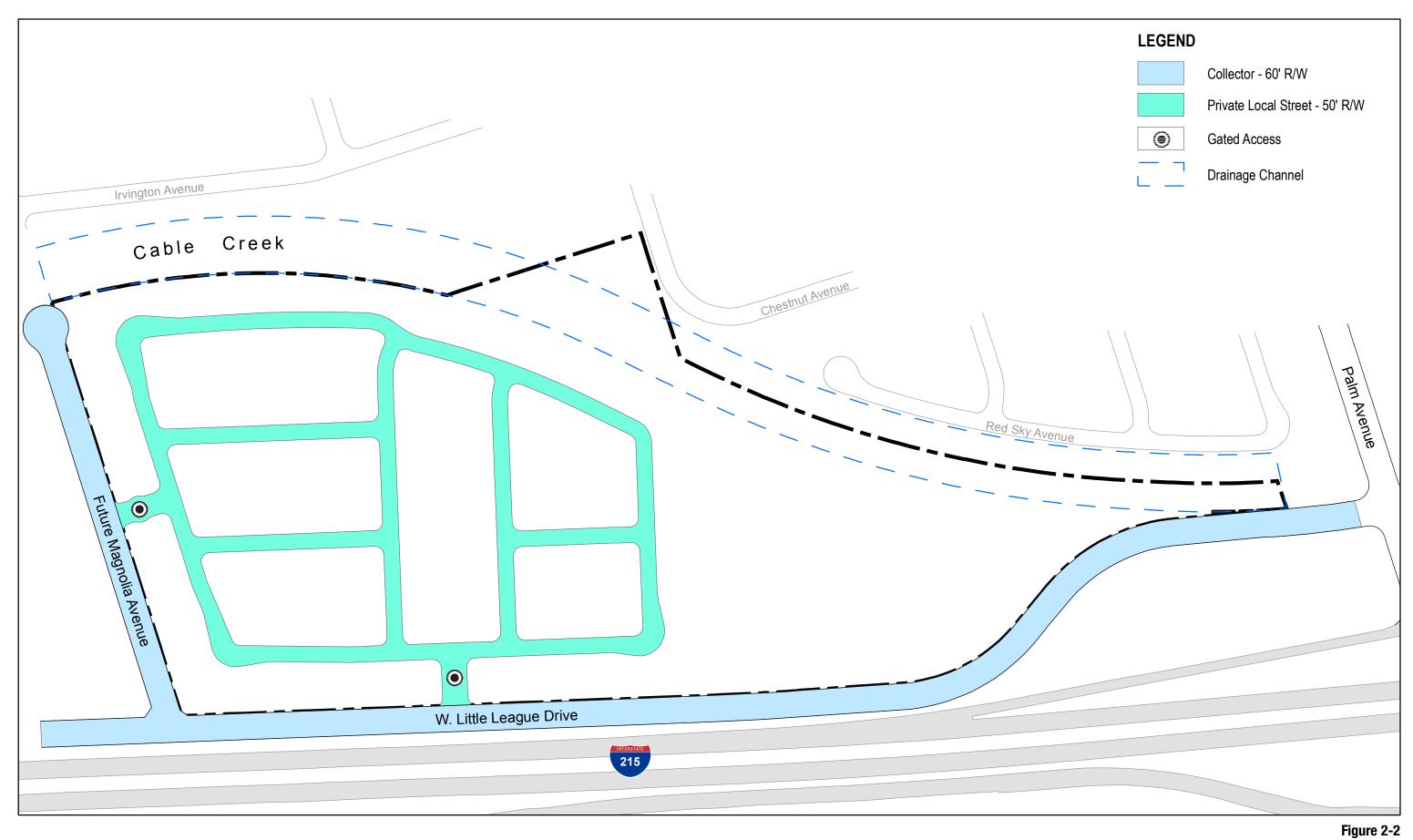
### 2.2.5 Open Space

The Open Space designation is for the area within the existing Cable Creek Channel. This area is operated and maintained by the San Bernardino County Flood Control District.

#### 2.3 Circulation Plan

The Circulation Plan, shown on Figure 2-2, Circulation Plan, establishes a general layout and design standard of roadways for Rancho Palma to meet safely the transportation needs of the community.

The commercial component of Rancho Palma takes access from Little League Drive, west of Palm Avenue. This location provides easy access to Interstate 215 via the Palm Avenue interchange. It is anticipated that there will be one primary entrance to the commercial center along Little League Drive, and one delivery entrance.



# **Circulation Plan**

Access to the residential component of Ranch Palma will be taken from Little League Drive and Magnolia Avenue. Both of these streets are designated as Collector Roads. West Little League Drive has a 60-foot right of way, while Magnolia Avenue has an additional 5-foot landscape area, for a 65-foot total right of way. Five foot pedestrian sidewalks will be provided along both collectors. Figure 2-3, Street Sections, depicts the street sections for Rancho Palma.

Magnolia Avenue currently exists east of Cable Creek Channel. Magnolia will be improved along the northern property line of Rancho Palma from Little League Drive to a cul de sac, west of Cable Creek Channel.

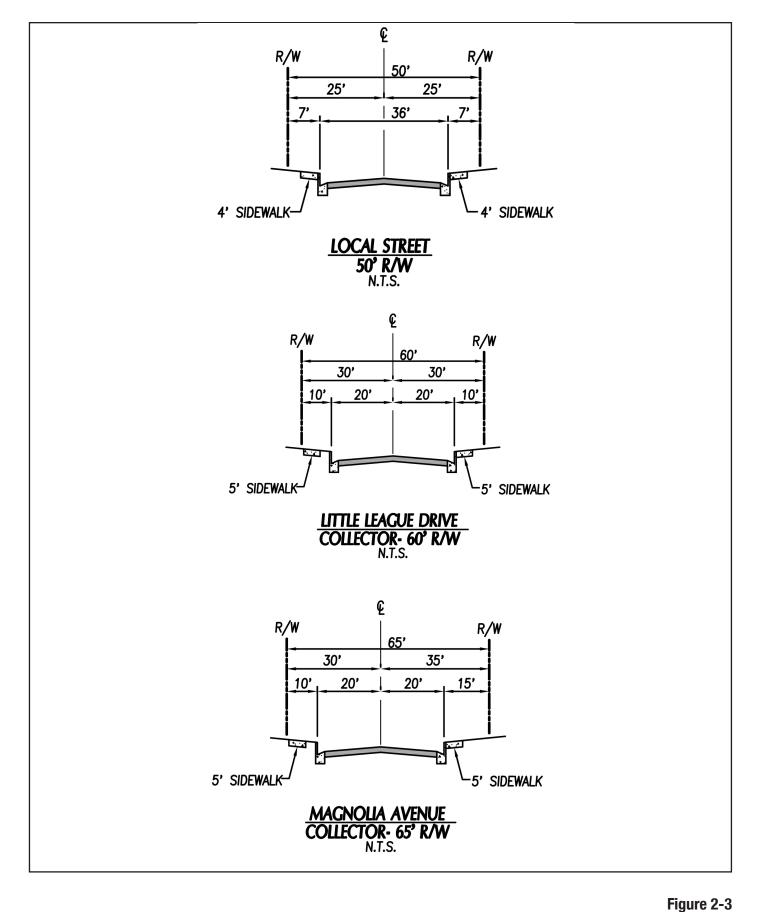
The entrances to the residential component are off Little League Drive and Magnolia Avenue. Both of these entrances will be gated. The interior roadway system will utilize Local Streets (50-foot right of way, see Figure 2-3, Street Sections) and contain 4-foot sidewalks on each side. This will allow residents pedestrian access throughout the community to the interior parks within Rancho Palma, as well as nearby community parks and school, and the adjacent commercial center. On-street parking will also be available along the Local Streets.

### 2.4 Water Plan

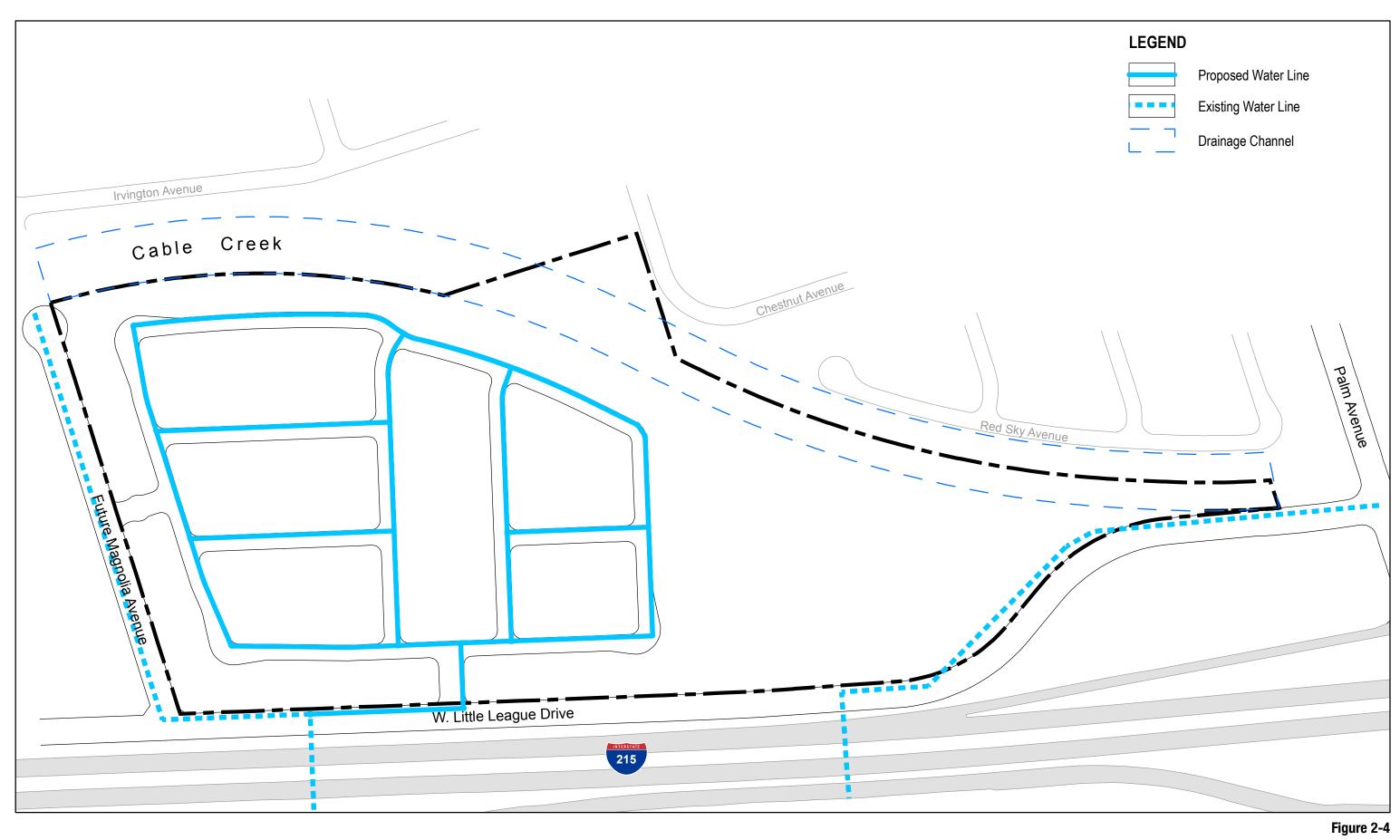
Domestic water service for the Ranch Palma Specific Plan area will be provided by the City of San Bernardino Municipal Water Department. The Conceptual Water Master Plan is depicted on Figure 2-4, Water Plan. A proposed water line will be installed within Little League Drive, connecting to an existing 24-inch water line located just south of the Magnolia Avenue/Little League Drive intersection, to an existing 16-inch water line located adjacent to the proposed commercial component, north of Palm Avenue. The residential units will access water through a proposed 8-inch looped water system located within the Local Streets. A looped water system will also be provided in the commercial center.

### 2.5 <u>Wastewater Plan</u>

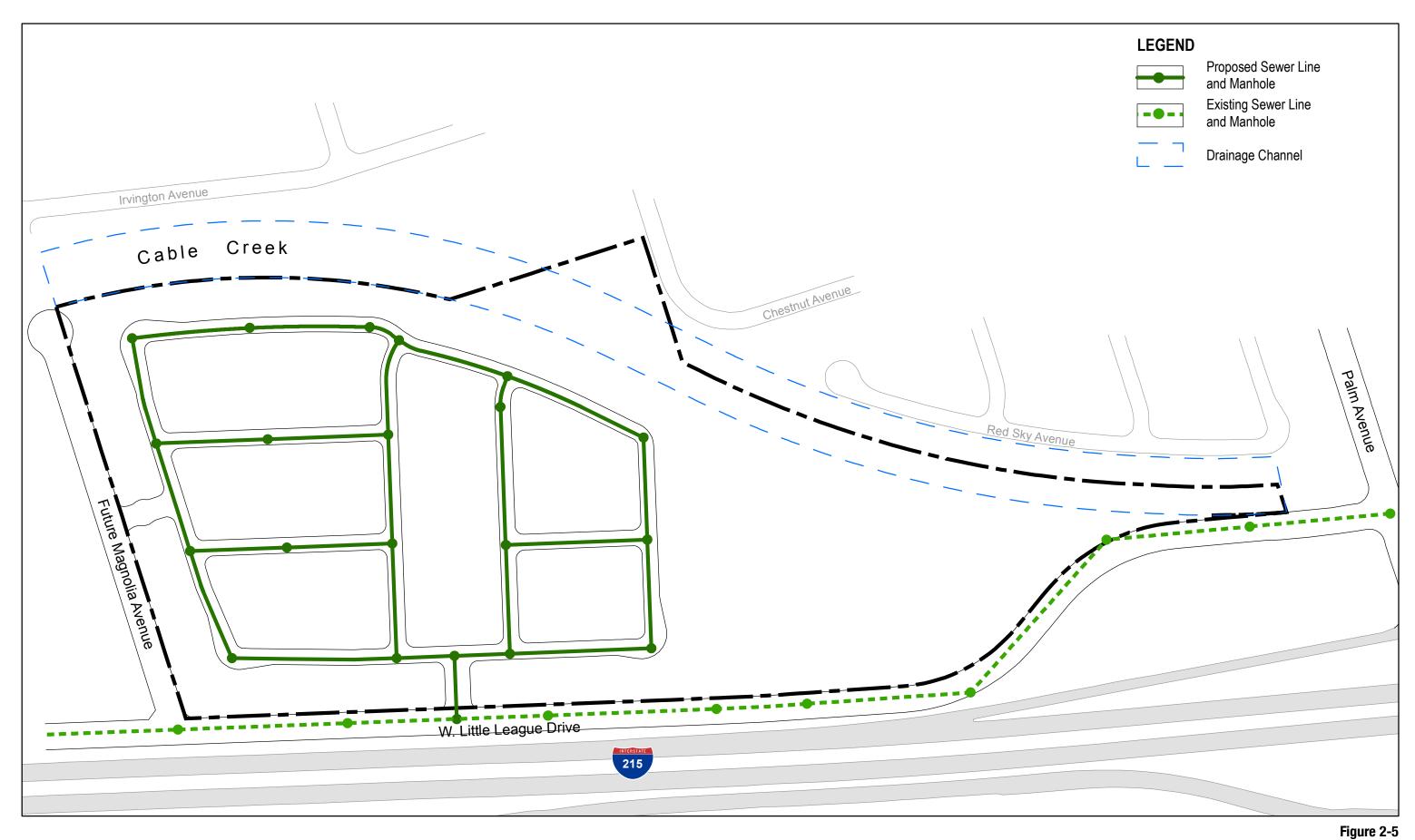
Wastewater service for the Ranch Palma Specific Plan area will be provided by the City of San Bernardino Public Works Department. The Conceptual Wastewater Master Plan is depicted on Figure 2-5, Wastewater Plan. An existing 15-inch sewer line is located within the right of way of Little League Drive. The proposed residential units will access this sewer line through a proposed 8-inch system located within the Local Streets. The commercial center will also tie in to this existing 15-inch sewer line.



# **Street Sections**



### **Water Plan**



# **Wastewater Plan**

### 2.6 <u>Drainage Plan</u>

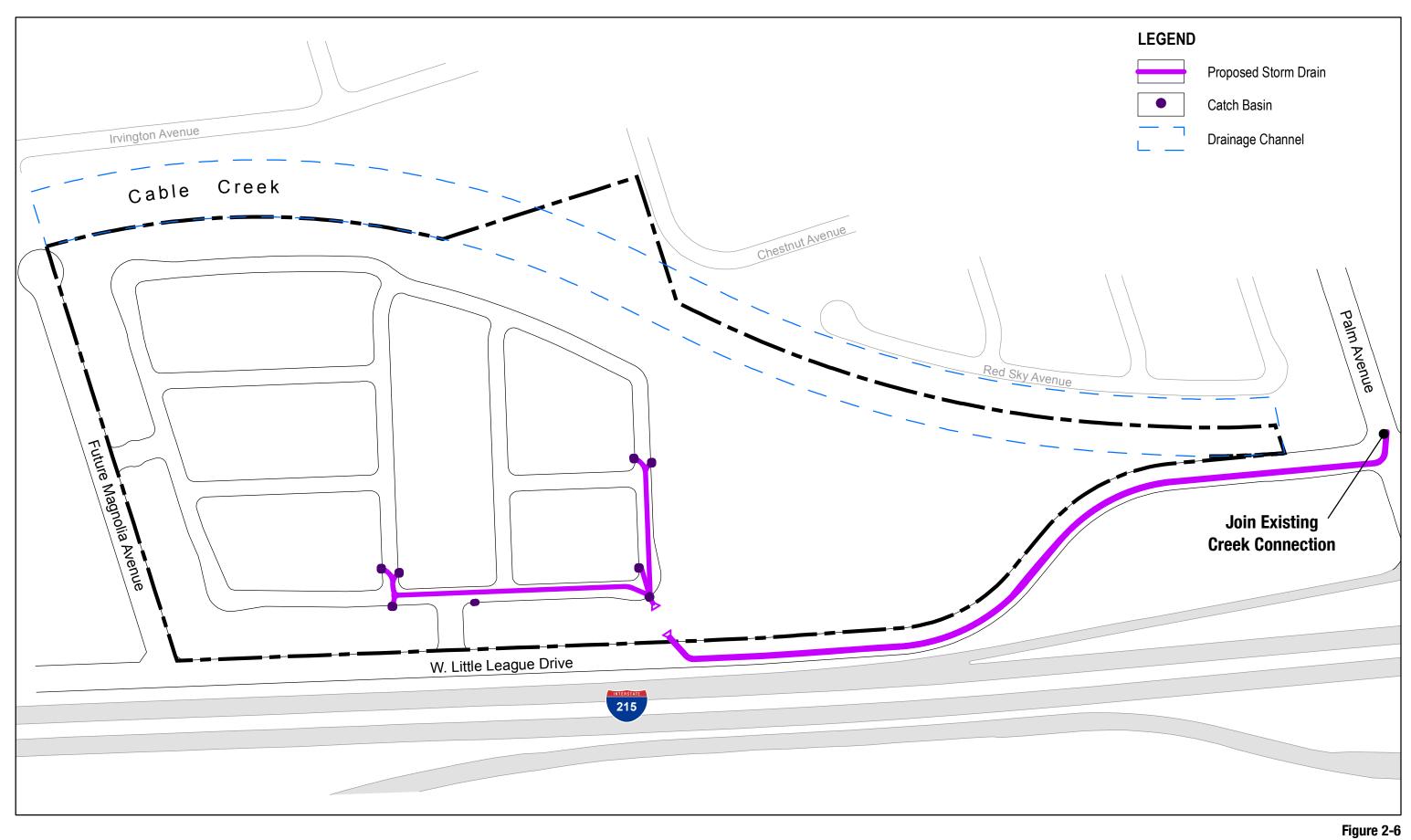
Flood protection of the site is provided by Cable Creek Channel. The channel is owned, operated, and maintained by the San Bernardino County Flood Control District.

The site currently drains to the intersection of Palm Avenue and Little League Drive. Drainage is carried overland and in a roadside swale to a catch basin and pipe connection to Cable Creek at the Pam Avenue bridge. The area experiences flooding and debris deposition in the roadway doe to these flows, and the nature of the roadside swales. The project will size appropriately the connection to Cable Creek and extend a storm drain upstream in Little League to collect flows from the development.

Flows will be delivered to the storm drain through a series of catch basins and reinforced concrete pipes.

The proposed drainage system for the Rancho Palma Specific Plan area is depicted on Figure 2-6, Drainage Plan. The stormwater will be collected from the local streets and transported in storm drains to a new basin located in the southwest portion of the residential area. An additional storm drain will transport the stormwater within a new storm drain in the right of way of Little League Drive, to connect to existing facilities located at Palm Drive and Cable Creek Channel.

Prior to entering the creek, the water will be cleaned of pollutants consistent with the current MS4 permit with the County and City. The residential flows are expected to be cleaned with an infiltration basin located adjacent to Little League Drive, and the Commercial site will clean the flows with a variety of options that may include basins within landscaped areas, underground chambers, dry well, and/or porous concrete.



# **Drainage Plan**

#### 3 DEVELOPMENT CRITERIA

### 3.1 Development Standards

The purpose of this section is to specify regulations governing the use of land within the Specific Plan area. Development projects within the Specific Plan area shall comply with these regulations. Where no regulations are specified, provisions of the City Development Code will govern.

The following standards apply to development of residential, commercial, and open space/recreation areas. All such development within Rancho Palma shall conform to the development standards as set forth in the Specific Plan for the permitted uses. Locations of all proposed permitted uses shall be as designated on the Land Use Plan, Exhibit 2-1.

These regulations and general site planning provisions are further augmented by the Design Guidelines described in Chapter 4 and the Sustainable Guidelines in Chapter 5. The Design and Sustainable Guidelines are aimed at enabling users of the Specific Plan to understand its intent and apply provisions for flexibility in the plan in accordance with the City's desires.

### 3.1.1 Residential Development Criteria - Planning Areas 1 and 2

The following standards apply to residential development areas (Planning Areas 1 and 2) for Rancho Palma.

- 1. Site Development Standards as described in Table 3-1, Residential Site Development Standards Summary.
- 2. Development shall comply with the Design Guidelines described in Chapter 4 and the Sustainable Guidelines in Chapter 5.

Table 3-1
RESIDENTIAL SITE DEVELOPMENT STANDARDS SUMMARY<sup>1</sup>

	PA 1	PA 2
Planned Number of Units	63	57
Maximum Number of Units <sup>2</sup>	70	62
Minimum Lot Area	7,000 sq. ft.	5,000 sq. ft.
Minimum Lot Width at front yard setback, standard lot	55 feet	45 feet
Minimum Lot width at front yard setback, knuckle	20 Feet	20 Feet
Minimum Lot Depth, standard lot	90 feet	90 feet
Maximum Height (two stories) <sup>3</sup>	35 feet	35 feet
Minimum Front Setback to dwelling unit living area or side entry Garage	15 feet	15 feet
Minimum Driveway Depth (front on garage)	20 feet	20 feet
Minimum Front Setback to porch	10 feet	10 feet
Minimum Interior Side Setback	5 feet	5 Feet
Minimum Street Side Setback	9 feet	9 feet
Minimum Rear Setback <sup>4</sup>	20 feet	20 Feet

<sup>&</sup>lt;sup>1</sup> All setbacks shall be measured from property line to the main structure.

<sup>&</sup>lt;sup>2</sup> Total permitted dwelling units within a residential Planning Area may be lesser or greater than the planned number if: a) the maximum units are not exceeded for any Planning Area, and b) the overall Specific Plan does not exceed 120 units.

<sup>&</sup>lt;sup>3</sup> Measured from top of slab to roof. Tower features and other structures, chimneys and architectural projections may exceed the maximum building height, subject to approval by the Planning department.

<sup>&</sup>lt;sup>4</sup> For lots along a knuckle or cul de sac, the rear setback can be calculated by averaging the distance between both rear corners of the lot and the dwelling unit provided the average is not less than 20 feet.

### 2. Permitted Uses

The following uses are permitted in Planning Areas 1 and 2:

- a. Single-family detached dwellings.
- b. Active and passive open space.
- c. Utility easements or rights of way.
- d. Drainage Facilities.
- e. Recreational Vehicle Storage.
- f. Public and Private Recreational Facilities as described in the Rancho Palma Specific Plan.
- g. Other uses which are found by the Planning Director to be consistent with the purpose and intent of the Residential designation and which are found to be compatible with the uses stated above.

#### 3. Accessory Uses

- a. Home occupations, as specified in the San Bernardino Development Code, Chapter 19.04.
- b. Small- and large-family, day-care homes per San Bernardino Development Code, Chapter 19.04.
- c. Model homes and corresponding signage and facilities.
- d. Secondary residential units subject to approval per San Bernardino Development Code, Chapter 19.04.
- e. Garages, carports, accessory buildings, structures and uses where related and ancillary to the primary residence subject to the provisions of San Bernardino Development Code, Chapter 19.04.

### 4. Prohibited Uses

- a. Commercial Uses
- b. Manufacturing Uses

### 3.1.2 Parks Development Criteria

### 1. Permitted Uses

- a. Sports Courts including basketball, tennis, soccer, or baseball.
- b. Gazebos
- c. Tot lots.
- d. Dog park
- e. Picnic areas and associated facilities, including bar-b-ques.
- f. Restroom facilities.
- g. Access and service roads.
- h. Remedial grading.
- i. Trails.

- j. Utility easements or rights of way.
- k. Drainage Facilities.
- I. Public Facilities.
- m. Other uses, which are found by the Planning Director to be consistent with the purpose and intent of the Park designation and which are found compatible with the uses stated above.

### 2. <u>Prohibited Uses</u>

- a. Residential Uses
- b. Commercial Uses
- c. Manufacturing Uses

### 3. <u>Development Standards</u>

- a. Lot Area: No minimum
- b. Maximum Building Height: 15 feet.
- c. Minimum Building Setbacks:
  - i. Front Setback 10 feet
  - ii. Side Setback 10 feet
  - iii. Rear Setback 15 feet

### 3.1.3 Open Space Development Criteria

### 1. <u>Permitted Uses</u>

- a. Access and service roads.
- b. Remedial grading.
- c. Trails.
- d. Utility easements or rights of way.
- e. Drainage Facilities.
- f. Public Facilities.
- g. Other uses, which are found by the Planning Director to be consistent with the purpose and intent of the Open Space designation and which are found compatible with the uses stated above.

### 2. Prohibited Uses

- a. Residential Uses
- b. Commercial Uses
- c. Manufacturing Uses

### 3. <u>Development Standards</u>

- a. Lot Area: No minimum
- b. Maximum Building Height: 15 feet.

- c. Minimum Building Setbacks:
  - i. Front Setback 10 feet
  - ii. Side Setback 10 feet
  - iii. Rear Setback 15 feet

### 3.1.4 Commercial Development Criteria - Planning Area 3

A commercial site is located at the southern portion of Rancho Palma, adjacent to an existing commercial center and Interstate 215. (Planning Area 3). This Planning Area will contain retail and service uses for the future residents of Rancho Palma, existing residents, and travelers. This area shall also be designed to function architecturally as a gateway into the project. The maximum amount of commercial uses permitted in Planning Area 3 98,000 square feet.

### 1. Permitted Uses

- a. Those uses permitted in the CG-1 (Commercial General) Zone of the San Bernardino Development Code, Chapter 19.06.
- b. Remedial grading.
- c. Utility easements or rights of way.
- d. Drainage Facilities.
- e. Public Facilities.
- f. Other uses, which are found by the Planning Director to be consistent with the purpose and intent of the Commercial designation and which are found compatible with the uses stated above.

#### 2. Conditional Uses

a. Those uses conditionally permitted in the CG-1 (Commercial General) Zone of the San Bernardino Development Code, Chapter 19.06.

### 3. Prohibited Uses

a. Those uses prohibited in the CG-1 (Commercial General) Zone of the San Bernardino Development Code, Chapter 19.06.

### 4. <u>Development Standards</u>

- a. Lot Area: 10,000 square feet minimum.
- b. Maximum Building Height: 30 feet.
- c. Minimum Building Setbacks:
  - i. Front Setback 10 feet
  - ii. Side Setback 10 feet
  - iii. Rear Setback 0 feet
- d. Maximum Lot Coverage: 50 percent

### 5. <u>Signage</u>

Commercial signage shall be consistent with Chapter 19.22 of the San Bernardino Development Code as well as Section 4.5, Commercial Signage Guidelines within the Rancho Palma Specific Plan, with the following exceptions:

- a. One Freeway Multi-Tenant Center Identification Sign is permitted in Planning Area 3
- b. The maximum sign area for the Multi-Tenant Center Identification sign shall be 150 square feet per face.

#### 4 DESIGN GUIDELINES

### 4.1 Introduction

The Design Guidelines will be utilized to direct the future physical development of the Rancho Palma Specific Plan. In order to create a unique neighborhood structure, these neighborhood guidelines will provide a framework for site planning and architectural themes. The Design Guidelines are not intended to be interpreted as a rigid formula for design, but are to encourage creativity and cohesion of architecture and landscape design.

#### 4.1.1 Purpose

The Design Guidelines for the Rancho Palma Specific Plan are intended to establish neighborhood guidelines and standards for the Project to allow the creation of a quality and aesthetically pleasing environment. The use of these guidelines will serve to direct the overall design of the Rancho Palma Specific Plan and assure a quality neighborhood character, appearance and land use compatibility.

These Guidelines will also serve as design criteria for use by planners, architects, landscape architects, engineers, builders and future property owners. They will provide a viable framework and clear direction during the development process, without limiting innovative design. The result will be a neighborhood with a strong sense of identity, character and cohesiveness.

Through cohesive neighborhood design and quality site planning, the Rancho Palma Specific Plan will offer a diverse living environment for its residents. The Rancho Palma property will be identified by unified design elements such as architecture, landscaping, trail networks, walls, fencing and entry treatments, all of which will contribute to a quality neighborhood environment.

The guidelines have been crafted to ensure compatibility and continuity within the Specific Plan. Variation of building designs are encouraged to allow the neighborhood to establish its' own design character, yet maintain continuity throughout the development. The following guidelines should be incorporated to provide a variety of quality housing types, adequate infrastructure and a pedestrian network that integrates into the City of San Bernardino:

- 1. Provide the City of San Bernardino with necessary assurances that the Rancho Palma neighborhood will be developed in accordance with the quality and character proposed within this Specific Plan.
- 2. Design a neighborhood that acknowledges the topographic, geologic and hydrologic opportunities and constrains of the land.
- 3. Design neighborhoods that integrate into the regional alternate transportation system, including bus and bicycle systems.
- 4. Plan neighborhoods that connect with the larger neighborhood, yet are sensitive to the human scale and encourage pedestrian activity.

- 5. Design a neighborhood that incorporates neighborhood parks, trails, and open spaces where neighbors can meet and children can play.
- 6. Create a neighborhood that reflects anticipated marketing needs and public demand by providing a range of housing types, which will be marketable and compatible with the adjacent neighborhoods of the City of San Bernardino.
- 7. Provide planning provisions for a safe and efficient circulation system composed of a network of planned local roadways designed for appropriate traffic and user needs.
- 8. Establish a standard in neighborhood design and implement it consistently over an entire new neighborhood creating an identifiable place.

The intent of these Design Guidelines is to be flexible to respond to market conditions, but not compromise quality site development. The flexibility of these Design Guidelines is intended to allow for changes in lifestyles, desired housing types, economic conditions, and overall market influences.

### 4.1.2 Design Intent and Elements of a "Great Neighborhood"

The goal of the Design Guidelines is to promote both visual compatibility and variety in a neighborhood setting achieved by utilizing a number of compatible traditional and contemporary styles. The principal design criteria and architectural styles are not intended to be restrictive, but are meant to assist in the design process.

### 1. Recommended Concepts

The following parameters are recommended concept designs:

- a. Create quality architecture designs and execute them consistently throughout the residential and commercial uses of the neighborhood.
- b. Create neighborhood designs that integrate architecture, site planning and landscape.
- c. Ensure that streetscapes and street spaces are attractive and comfortable.
- d. Encourage the specific use and selection of details that correlate well with the designed floor plan.

### 2. <u>Discouraged Concepts</u>

The following parameters are to be avoided in concept design:

- a. Harsh contrasts of materials and/or colors.
- b. Inappropriate scale.
- c. Poor selection and execution of details.
- d. Extreme interpretations of the characteristics for each style.
- e. Lack of window treatments or articulation, which result in flat, blank walls specifically on the rear elevations and side elevations, visible from public views.

### 4.2 Residential Architectural Guidelines

### 4.2.1 Architecture Styles

The residential architectural styles chosen for the Rancho Palma Specific Plan reflect the Verdemont Community's heritage. They are appropriate to the climate zone and are capable of contemporary interpretation and variation. Their inherent attractiveness, informality, and charm have enabled these styles to remain popular over a long period of time.

It should be emphasized that the renderings provided for the architectural styles on the following pages are representative of design concepts and architectural features envisioned for the Rancho Palma Specific Plan. The photographs shown are not intended to be exact duplicates of the future product types for Rancho Palma, but they are intended to reflect design elements.

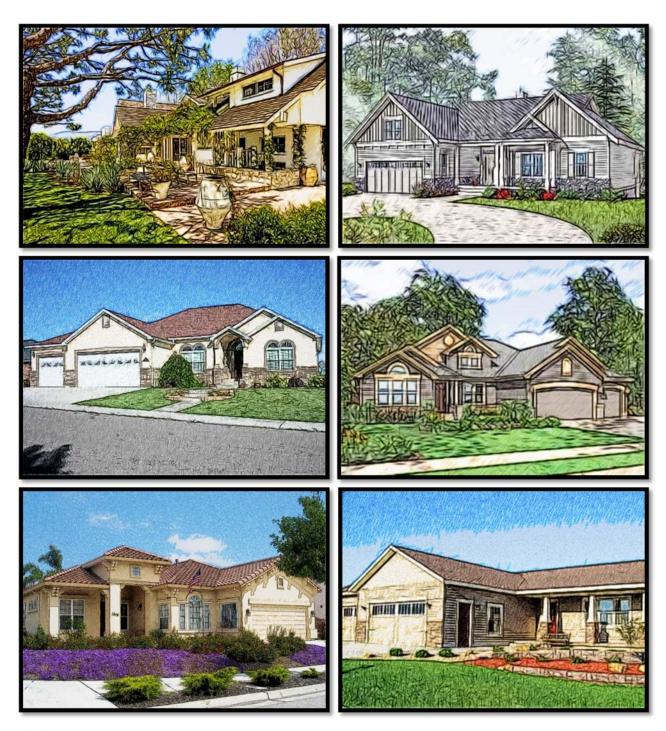
The proposed architectural styles include, but are not limited to the following:

- California Ranch
- Craftsman
- Spanish

### 1. California Ranch

Elements	Style Features	Enhanced Features
FORM	Low horizontal rambling profile arranged linearly and relating to outdoor spaces (gardens, courts, patios, etc.)	
ROOF	4:12 standard, low pitch gable and hip	Roof Dormers
	25% opposing and 75% parallel hips	
	Composition shingle or concrete tile with a shake texture	
	12 inch rake overhang	
	Wide projecting eaves with exposed rafters and/or fascia boards	
WALLS	Light to medium stucco sand finish	Full brick on stone walls
WINDOWS	Multi-paned windows in varying sizes and types,	Wood windows
	sometimes configured in horizontal bands	Shutters
	Proportions more horizontal in nature	
CHIMNEYS	Stone or brick detail, same as façade accent material	All masonry chimney

Elements	Style Features	Enhanced Features
	Entry and surrounding will be covered by the front porch	Dutch doors Windows in top
	Front door shall be cross pattern with or without windows in upper half	panels
COLORS	Trim - Soft tinted whites, in subtle contrast to the body color. Fascia and garage doors maybe in the same soft white or contrasting color.	
	Body – Soft, light to mid-value hues of beige, tan, yellow, gray, and green.	
DETAILS	Wood knee braces at porch posts	Masonry door and window surrounds Masonry wainscots at wall plates
	Decorative trim at gables or rooftop details such as cupolas	
	Simple door and window trim	
	Wood posts at guardrails	
	All spark arrestors shall be low profile	



California Ranch

### 2. <u>Craftsman</u>

Elements	Style Features	Enhanced Features
FORM	Simple two story box plan form with Vertical and horizontal breaks	Varied plan shapes
ROOF	Basic gable roof with side-to-side or front-to-back with cross gables	Varied porch roofs - shed or gabled
	Roof Pitch from 3 1/2:12 to 8: 12	18" to 36"
	Architectural composition shingles (20 year minimum quality) or shake texture flat concrete tiles  12" to 18" overhangs at rakes	overhangs at eaves Open eaves overhangs with shaped roof rafter tails
	18" to 24" overhangs at eaves	Decorative gable ends with wood or cementious trim accents
WALLS	Light to medium sand finish stucco	Stone base accent
	Wood or wood-like lap or shingle siding inside gables on front elevation	
WINDOWS	Vertically hung upper mullioned windows at front elevation and in high visibility areas	Single hung windows in front elevation
	Often arranged in pairs Vinyl windows	Feature three or more ribbon windows
		Layered wood trim at doors and windows
CHIMNEYS	Trim element at crown of stucco chimney	Blended stone or brick chimney
DOORS	Two to six paneled doors	Dutch doors with window in top panel.
COLORS	Body - Medium to dark value earth tones	
	Trim - Dark value browns that are reminiscent of stained wood and mid value whites	

Elements	Style Features	Enhanced Features
	Accent - Earthy medium to dark shades of green and burgundy	
DETAILS	Entry porches with heavy square columns or posts on stone or brick piers	Full porches with heavy square
	Arts and crafts style lighting	columns or posts on stone piers.
	Shaped wood header trim at windows and doors	Battered style
	All spark arrestors shall be low profile	columns
		Stone and brick base accents
		Decorative ridge beams
		Triangulated knee braces













Craftsman

### 3. Spanish

Elements	Style Features	Enhanced Features
FORM	Simple one or two stories massing	Round or square tower element.
ROOF	Simple hip or gable roof with one or more intersecting gable roof(s)	Shed roof over porch
	3 ½: 12 to 4: 12 roof pitch Barrel or "s" shaped concrete roof tiles Flush to 12 inch overhangs at rakes 12 to 18 inch overhangs at eaves	Boosted tiles with mudded bird stops
WALLS	Light to medium stucco sand finish	Smooth stucco finish
WINDOWS	Multi-grid lines in windows approximately 12" by 12"	Feature recessed arched window
	One (1) two inch minimum recessed feature window at front elevation	Arched windows
	All front and visible windows to have stucco or wood trim	Windows in garage doors
	Vinyl windows	Shutter with decorative hardware
CHIMNEYS	Trim element at crown of stucco chimney	Tile or clay architectural element on vertical surface
DOORS	6-8 paneled doors.	Heavy plank doors
COLORS	Body – Light value, warm hues and off whites  Trim – Mid to dark value brown tones reminiscent of stained wood  Accent – Clear shades of blue, green, rust and burgundy	
DETAILS	Decorative grilles Wooden Posts (6 inch X 6 inch minimum or iron balcony on front elevation 4 inch header trim minimum Spanish style lighting All spark arrestors shall be low profile	Shaped rafter tails at feature areas Balconettes Arched stucco column porches Shutters at front or visible elevations













Spanish

#### 4.2.2 Garage Placement

A variety of garage placement solutions are recommended to be incorporated into the overall design of the homes. The type of garage placement will be dictated by lot size, lot width, depth, and product placement. It should be noted that not each garage condition is appropriate for each lot size or configuration. The following garage placements could be implemented within Rancho Palma:

- 1. Forward Garages Forward garages are located at least 5' (10' maximum) in front of the front elevation living space.
- 2. Shallow-Recessed Garage Shallow recessed garages are located 5' or more behind the front elevation living space.
- 3. Mid-Recessed Garage- Mid-recessed garages are located 12' or more behind the front elevation/living space.
- 4. Swing-In Garage Garage doors on swing-in garages are located on the side of the home, as opposed to the front. This garage placement may be located at the front, side, or rear of a plan or split, thereby reducing the impact of garage door faces on the streetscape.
- 5. Corner with Side-Street Entry Garage This garage type allows the option of entering from the side street, thereby eliminating the front facing garage and driveway.
- 6. Porte Cocheres An additional, partially covered parking space that also serves as an occasional outdoor private space.

### 4.2.3 Street Scene: Design Variation Requirements

The front setbacks of both the garage and living space of adjacent buildings shall vary to provide visual interest along street scene.

- 1. A variety of setbacks at porches, living spaces or covered entries are encouraged.
- 2. To provide visual interest along the street scene, a variety of garage placements with varying setbacks are recommended. Strict compliance with the minimum garage setback is discouraged so as not to contribute to a repetitious and monotonous appearance along the street.
- 3. Varying roof planes are encouraged, when appropriate, given the architectural style of the home.
- 4. Variable lot sizes may be used to increase selection and variety in house and lot size configurations.

#### 4.2.4 Building Elevations

The building design should be sensitive to the visual character of the elevations, the street scene and the pedestrian. In addition, the building facades should be detailed to avoid long, plain surfaces. A combination of the following Design Guidelines should be incorporated to create building relief and quality building elevations:

- 1. Wall surfaces should contain a variety of articulations, such as offsets, projections, penetrations, or change of surface textures to reduce the apparent scale and provide visual interest.
- 2. Exposed side and rear elevations shall have articulation such as, but not limited to, modulated facades, window treatment, second story projections and balconies.
- 3. One-story massing on exposed side and front elevations is encouraged on corner side lots.
- 4. Entries should be covered, recessed or projected from the building to be clearly defined and add relief to the front elevation.
- 5. Architecturally appropriate design features, such as pillars, columns, trellises, bay windows, and other architectural features should be incorporated into the building elevations.
- 6. Second stories on front elevations should be stepped back or have projected elements to add relief to the higher building elevations.
- 7. Recessed doors, windows, and wall openings should be used to create a sense of depth and shadowing for visual variety and interest.
- 8. Balconies and porches are encouraged to articulate and enhance the building elevations.
- 9. Ornamental features including wrought iron and exterior light features should be utilized to create interest.
- Detail elements such as shutters, exposed rafter tails or cross beams, decorative grille work, decorative stucco or clay pipe vents, decorative ceramic tile and/or other similar features are encouraged to provide articulation.
- 11. Varied street scenes can be achieved by varying roof planes in size and pitch
- 12. Intercepting hip or gable roofs are encouraged based on the architectural style of the home.
- 13. Attention should be given to the composition of the building mass. Box-like designs are discouraged, except when appropriate to the architectural style.
- 14. Vary the height and roof levels of the residence so that it appears to be divided into smaller massing elements. Architectural projections could be used to achieve this goal.
- 15. Articulate building forms and elevations with varying rooflines, roof overhangs, and intermediate roof elements to create strong patterns of shade and shadow.
- 16. Just as stepping the second story mass improves the side yard, it can be used to improve the front yard scene. As an example, the second story should be set back in relationship to the garage face or living space below it.

17. The designer should envision the building form as a series of interlocking masses rather than a rectangular or "L" shaped box. Therefore, achieving a more aesthetic design solution.

#### 4.2.5 Architectural Elements

Architectural elements will play a significant role in the establishment of an architectural style. Therefore, attention should be given to the application of such elements. These elements include architectural detailing, colors and materials. The encouraged architectural elements are described below:

#### 1. Unit Entries

- a. The entry serves several important architectural functions: it identifies and frames the front doorway; it acts as an interface between the public and private spaces; and it acts as an introduction to the structure while creating an initial impression.
- b. The entry should be designed and located so as to readily emphasize its prime functions. Accent materials are encouraged to be used to further emphasize the entries.
- c. Courtyard entries at the front elevation are encouraged to break up the building's mass and to provide private internal outdoor space
- d. If the front door location is not obvious or visible because of building configuration, the entry should direct and draw the observer in the desired path. The design of the entry area in merchant-built housing should be strong enough to mitigate the impact of the garage on the facade.
- e. Entry doors and doorways should be proportional to the architectural style of the structure.
- f. Front porches are encouraged in order to create an inviting neighborhood street scene and promote friendly interaction among neighbors.
- g. Porches and balconies shall be designed as an integral component of the building's architecture.

#### 2. Doors

- a. Emphasis should be placed on the design and type of entry door used. It functions as the major introduction to the interior of the house and shall be compatible with the architectural style of the home.
- b. Recessed door, window and wall openings are encouraged at all front elevations, and other side or rear elevations as viewed from public streets, when appropriate given the architectural style of the home.
- c. The door may be covered by an overhead element or recessed into the wall plane.

- d. The entire door assembly should be treated as a single design element including surrounding frame, molding and glass sidelights.
- e. Wood may be used for the entry door. Wood grain texture and raised or recessed panels contribute to the appeal of the door. Greater use is being made of metal entry doors but in order to be acceptable, they should possess the same residential "feel" provided by the wood grain and panels.
- f. Doorways may be rectangular or round-headed and fully recessed. Spiral columns, arches, pilaster, stonework, decorative tiles, or other sculptural details are encouraged be integrated into the doorway design to enhance the visual importance of the entry door.
- g. The use of glass in the door and overall assembly is encouraged. It opens the entry and provides a sense of welcome and human scale. It can be incorporated into the door panels or expressed as single sidelights, double sidelights, transom glass or fan windows.
- h. Flexibility is allowed concerning the color of the door. It may match or contrast the accent trim, but is encouraged to be differentiated from the wall color.

#### 3. Windows

- a. Typically, the location of windows is determined by the practical consideration of room layout, possible furniture placement, view opportunities and concern for privacy. Greater design emphasis should be directed to ensure that window placement and organization will positively contribute to the exterior architectural character.
- b. All windows are encouraged to be consistent with the architectural style of the building.
- c. Non-recessed windows should be surrounded with articulated architectural elements such as wood trim, stucco surrounds, shutters or recessed openings, shutters, pot shelves, ledges, sills, plant-ons, and rails, or other similar elements that complement the architecture.
- d. Proper window design and placement on rear and side elevations is encouraged. Since side elevations and second story rear windows are frequently visible, greater design effort and budget prioritization should be given to these elevations.

### 4. Garage Doors

- a. Garage types should complement the architecture, door designs, and plotting techniques. This approach will minimize the potential for repetitious garage doors framing both sides of a residential street. Variations may include, but are not limited, to the following:
  - i. Employment of second-story feature windows above the garage.
  - ii. Strong architectural entry elements.

- iii. Designs with a mix of 2 and 3 car garages.
- iv. The use of tandem garages incorporated into the building design.
- v. Garage plans with a double door and a single door plan. These plans are recommended not to be placed next to each other.
- b. If applicable, where lot width permits, some plans should include swing-in or side entry garages with reduced front yard setbacks.
- c. The design of the garage door should relate to the overall architectural design of the residence. Colors should be complimentary to the main structure.
- d. Ornamentation of garage doors should be provided to add visual interest from the street scene when appropriate given the architectural style.
- e. The use of the sectional, wood or metal, rolling garage door is recommended since it maximizes the availability of useable driveway length.
- f. Several different panel designs are encouraged to be utilized. Metal doors should only be used when they include either texture or raised panels of a "residential" nature. The use of window elements is encouraged.

### 5. Shade and Shadow

Homes should be situated on site to maximize shade. Therefore, the following considerations should be incorporated to maximize the benefits of proper building orientation and environmental opportunities of the site:

- a. Buildings should be oriented to take advantage of the natural light, heat, shade, and shadow, which will help reduce energy consumption and encourage energy conservation.
- b. Lot size and configuration should consider future orientation of a structure to take advantage of shade and prevailing winds.
- c. Covered entries, balconies and porches should be incorporated to provide shadow and shade for each residential unit.
- d. Windows should be framed with compatible materials to create well-defined edge treatments and are encouraged to be designed to provide distinctive shadows on the building facades.

#### 4.2.6 Residential Roof Form

### 1. Roof Pitch

- a. Roof pitches shall be consistent with the proposed architectural style.
- b. A single roof pitch should be used on opposite sides of a ridge. Shallow pitches tend to lessen the apparent building mass.

### 2. Roof Types

- a. The use of different roof types will add variety and interest to the street scene. Changing the roof form also helps break up a building's mass and apparent scale. However, the roof characteristics should be consistent with the architectural style that is chosen.
- b. Hip, gable and shake-like material may be used separately or together on the same roof. Avoid a canyon effect in side yards when both buildings have front-to-rear gables, by providing dormer or hip elements. Repetitious gable ends along rear elevations should be avoided. Roof forms with pitch changes at a porch or projection are encouraged where it is style appropriate.
- c. Roof forms having dual pitches such as Gambrel or Mansard should not be used.
- d. Maximize variations in rooflines by offsetting roof planes and combining single-story elements with two-story elements. Long uninterrupted rooflines should be avoided.
- e. Mechanical equipment is not permitted on roofs.

### 3. Overhang Projects and Covered Porches

- a. Substantial overhangs are encouraged as a response to solar and climatic conditions, as well as architectural enhancement.
- b. The inclusion of covered porches and entries are encouraged as part of the product mix. They expand sheltered living space, create entry statements and provide visual relief.
- c. Rear covered porches may differ from the roof in both pitch and material, but front porches should retain at least one of these two characteristics.

#### 4. Stepping the Roof Form

- a. Steps in the roof respond to the interior room arrangement and provide visual relief and interest.
- b. A vertical step within the ridgeline should be at least 12" 18" in order to create visual impact and allow for adequate weatherproofing.

### 5. Solar Panels

- a. The frames should either match the roof or fascia color.
- b. Support equipment shall be enclosed and screened from view.

### 4.2.7 Accessory Items

### 1. Patio Covers, Trellises

a. Patio covers, trellises, pergolas or similar exterior structures when used are encouraged to reflect the character, color and materials of the building to which they are related.

- b. Supports and framing members should conform to the guideline criteria for columns and posts.
- c. Materials of accessory structures should be limited to, and compatible with, the dwelling's exterior siding, trim and roof material.

### 2. Air Conditioning Units

All mechanical equipment should be ground mounted and screened from public view. Further consideration should be given as to air conditioning unit pad placement within the rear yard to minimize impact on yard use and layout.

### 3. Awnings

Canvas awning of solid accent color may be permitted with moderation. Metal awnings are permitted as long as they are complimentary to the architecture. The decision to provide awnings should include consideration of their maintenance and deterioration for projects without maintenance associations. The continuous maintenance of the awning is recommended to be required through the HOA or CC&Rs to ensure their intended appearance.

#### 4.2.8 Materials and Colors

#### General

- a. The appropriate selection of materials and colors will produce homes that possess their own individual identity, while remaining compatible with the surrounding residences and contributing to the overall quality of the neighborhood.
- b. Exterior plaster (stucco) is an acceptable exterior building material.
- c. Use of wood, pre-cast concrete, stone/stone veneer, and tile is acceptable, when in conformance with the overall building design.
- d. Exterior surfaces should have only a limited number of colors, one or two base colors and two or three trim accent colors.
- e. Exterior building materials are recommended to be compatible with the surrounding environment and the architectural style, yet varied enough to create distinct neighborhood identities.
- f. Accent colors are encouraged which are lighter or darker to highlight the character of the structure. Bright and non-earth tone colors are not recommended except as accents.

#### 2. Roof Material

a. It is neither necessary nor desirable that the neighborhood should have a single type or color of roof. Use of a single color or roof type creates a sense of monotony that contributes to a monolithic appearance when viewed from a distance. Clay tile, concrete tile

- and comparable appearing materials are acceptable roofing materials. Fiberglass and aluminum roofing is not allowed.
- b. Roof colors should relate to the wall and fascia color.
- c. Roofs should be of a generally neutral tone
- d. Tile roofs are encouraged to be a consistent blend, with one color being more neutral. Medium to strong color contrasts within the blend should be avoided, unless warranted due to the architectural style of the home.
- e. Roof vents should be the same color as the surrounding roof surface.

#### 4.2.9 Residential Site Design

The following Site Design Guidelines will be used in the development of the residential component of Rancho Palma. To ensure quality site planning is achieved, the following elements should be incorporated and implemented consistently throughout the residential areas:

#### 1. Street Scene

- a. Vary building setbacks and plotting to create visual interest along the street scene. Enhanced landscaping should occur at the entries to identify the points of entry and set the tone for the development. The landscape plantings at these areas should be designed to complement the road edge transition and clearly emphasize the entry into the neighborhood.
- b. Pedestrian walkways should incorporate bollards, or similar type of pedestrian level lighting techniques, that is uniform, unobtrusive and complementary to the architecture and entry monumentation of the Rancho Palma Specific Plan.

#### 2. Building Placement

Buildings should be oriented with sensitivity to the streetscape and with consideration to the interface between structures. In addition, homes should be plotted to encourage pedestrian movement throughout the neighborhood, allowing areas for sidewalks. Placement should also allow the opportunities for parks within the neighborhood to provide a place where neighbors can meet and children can play. The following are elements that should be incorporated into building placement:

- a. Create a distinct sense of neighborhood and place by designing attractive and comfortable street scenes and street spaces.
- b. Develop compatible relationships between topography, building placement, and existing open spaces.
- c. Incorporate connectivity through sidewalks throughout the neighborhood where feasible given the site's overall layout.

- d. Place buildings that allow architectural forward, recessed garages or a variety of garage conditions to create a visually interesting, varied and pleasing streetscape.
- e. Private outdoor spaces are encouraged to be designed with consideration for privacy.

### 4.3 Commercial Guidelines

The Rancho Palma Commercial Center is designed to provide retail sales and services to the Verdemont Community as well as the regional traveler along Interstate 215. These commercial guidelines are not intended to be interpreted as a rigid formula for design, but are to encourage creativity and cohesion of architecture and design.

### 4.3.1 Architectural Character and Design

The Rancho Palma Commercial Architectural guidelines below provides for the ability to create an inviting environment that considers the enhanced pedestrian experience goal. This section offers successful principles to promote and create visually interesting and balanced architectural elements that maintain a distinct quality and cohesive built pattern. Figure 4-1, Commercial Architectural Themes, depicts the commercial architectural themes envisioned for Rancho Palma. These themes will be compatible to the proposed residential architecture and will be tied together with the landscape design.

The following Architectural Design elements will help maintain architectural quality while providing great flexibility and promoting individual style.

### 1. **Building and Massing**

The intent is that the building forms should be treated in a three dimensional, sculptural way with the possibility of a variety of roof forms through the following guidelines:

- a. Varying building massing with appropriate "human" scale.
- b. Building heights should result in varied roof lines.
- c. Encourage overhangs to screen summer sun and allow for solar gain in the winter.

#### 2. Exterior Colors and Materials

The intent is to design buildings with colors and material that are varied.

- a. Provide variety in varying materials, colors and texture.
- b. Avoid reflective materials that produces glare.
- c. Avoid large areas of dark colors that tend to absorb heat. Provide for thicker walls and/or insulation to retain heat for winter cooler temperatures.
- d. Encourage a variety of materials such as:
  - i. Stone
  - ii. Brick
  - iii. Wood
  - iv. Tile
  - v. Concrete
- e. Regionally-appropriate and compatible materials shall be used.

  Materials and colors shall be compatible with the existing environment, with the intent of reducing reflected heat and glare into exterior public areas.

























**RANCHO PALMA** 

### 3. Entrances and Fenestrations

The purpose of doors and windows are to provide entry, light to the inside, and provide outside view of displays.

- a. Entry doors should be transparent as possible.
- b. Openings should be at least 30% of the total façade area.
- c. Openings should be designed to maximize natural light into the building and to allow visibility of the interior display from the outside.
- d. Fenestrations should also have an aesthetics role by providing shade and shadows on façades.
- e. Fenestrations should be set back from the front façades to get visual relief.

### 4.3.2 Circulation and Parking

The majority of the commercial center patrons come by car and without easily accessible parking, many potential visitors, may be attracted to other commercial and entertainment centers with more convenient parking. Thus, the continued vitality and future economic success of the center depends heavily on providing access to convenient, strategically located parking.

### 1. Streetscapes

Streets and streetscapes must be designed with both cars and pedestrians in mind to ensure a healthy and vibrant commercial center.

- a. All the elements buildings, signs, landscaping and furniture together should create a unified and coherent visual identity and public space.
- b. Colorful and themed awnings and outdoor sidewalk umbrellas can add a great deal of vitality and excitement to an area as well as provide important sources of shade for pedestrians and customers.
- c. Patterned pavement and special paving materials should be used to designate intersections, pedestrian crossings, entries, parking plazas, and places of special interest.
- d. Bike racks should be installed.
- e. Bollards or other approved elements shall be placed between noted pedestrian and vehicular zones.

#### 2. Parking

Provide adequate access and parking.

- a. Allow and promote uses to have shared parking.
- b. Where feasible, separate employee parking and delivery areas from customer parking.

### 4.3.3 Lighting Design

Lighting will be used to enhance, unify and reinforce the character of the overall commercial center design theme. Lighting elements should promote safety, provide functionality, and be efficient. Lighting should also be complementary to building and streetscape character. The following lighting design elements will promote appropriate lighting solutions.

### 1. <u>Lighting</u>

Locate lighting to be functional and aesthetically pleasing.

- a. Lighting and street furniture should contain consistent, unifying elements throughout the area.
- b. All lighting fixtures shall be appropriate in scale, intensity, and height to the use it is serving. There should be taller lighting fixtures for vehicular traffic and shorter lighting fixtures for pedestrian movement.
- c. Avoid lighting fixtures that create direct glare. Light pollution shall be minimized through the use of low lighting profiles, recessed luminaires and minimal luminance levels, where street light is cast downward.
- d. Provide lighting that is attractive and complementary to building character.
- e. Utilize a variety of lighting to accent, provide direction and to add to the vitality of the place.
- f. Use lighting to highlight and showcase landscape elements.
- g. Encourage the use of solar powered lights when feasible.

### 2. Exterior Building Lighting

Exterior lighting should be complementary to the commercial buildings.

- a. Exterior lighting should illuminate the overall building and focus on prominent features such as display and entry.
- b. Building design should exploit the use of natural light with windows, skylights, light shelves and similar devices, minimizing dependence on artificial light.
- c. Materials and lighting that causes glare and unwanted reflections at eye level should be avoided. Indirect light can be used to illuminate buildings, walkways and public spaces without glare.

#### 3. Prohibited Lighting Types

- a. Blinking, flashing or changing intensity lighting is prohibited, except for temporary holiday displays.
- b. Any light that may be confused with a traffic control device.
- c. Beacon or search lights are prohibited except as a one-time or a special event feature.

### 4.3.4 Signage Design

The way finding and identity graphics of the commercial center is an important role in the unification of the project area as a whole. With the numerous varied program elements signage works to link the elements together, not necessarily to create a feeling of one large development, but rather to help the visitor navigate through the environment. The signage and graphics help to create a sense of orientation and direction for the first time visitor, and a sense of familiarity and comfort for residents that return often. Conceptual designs of the signage for Rancho Palma are located in Section 4.4, Landscape Guidelines. The following signage design guidelines will help define and preserve the character of the overall project as well as create a sense of excitement and activity.

### 1. Overall Character

Encourage a variety of signage type and character to function, enhance, and support the use and activity.

- a. Signs should be visually interesting and informative. They should be distinctive and eye-catching yet simple, avoiding cluttered designs and excess advertising.
- b. Signs should complement the architecture of the building and also provide a unifying element along the streetscape.
- c. Utilize clear and understandable graphics.
- d. Locate signs to complement and not dominant the architecture or the aesthetics of the building.
- e. Design signs that are in concert with the style, character, landscaping and street furniture to enhance the sense of place.
- f. Window signs, where lettering is affixed directly on the glass, can be attractive and eye-catching provided that the style is in keeping with the scale and style of the building.
- g. Undesirable signs are plastic, flashing signs, billboards, generic trademark signs, and any sign temporarily affixed to ground floor windows.
- h. Generally, signs should be externally lit with downward facing lights to avoid excessive nighttime glare.
- Signs should be located so that they do not interfere with pedestrian movement or block the sight lines along the road or pedestrian pathways.

### 2. <u>Entrance Signage</u>

Character and purpose of the sign is for guiding visitors to the commercial center.

- a. Readable from vehicles traveling on Interstate 215.
- b. Individual dimensional letter and logo will identify the commercial center.
- c. Letters and logo may be internally illuminated.

### 3. <u>Tenant Signage</u>

Individual tenants will be encouraged to use a mixture of signage techniques.

- a. Storefront.
- b. Awnings.
- c. Signage on glass store front and entrances.
- d. Dimensional blade sign.
- e. Wall plaques.
- f. Floor signs.
- g. Fascia signs.

### 4. Prohibited signs

Certain signs that would detract from the pedestrian experience will be prohibited.

- a. Formed plastic.
- b. Surface mounted box cabinet signage.
- c. Freestanding signs and portable signs such as any sign designed to be portable, except during holiday periods.
- d. Balloon or inflatable sign.
- e. Signs which emit sounds or odor.
- f. Signs with exposed raceways, conduit junction boxes, transformers.
- g. Fluorescent or reflective sign or color.
- h. Simulated materials such as wood grained, plastic laminate, wall coverings, paper, cardboard or Styrofoam.
- i. Plexi-face channel letters.

### 4.4 Landscape Guidelines

Rancho Palma's landscape design embraces a California vineyard theme reflective of the region's agricultural heritage. Through thoughtful, sensitive design, Rancho Palma can be developed to conserve valuable resources and create a noteworthy community within the City of San Bernardino. Sustainable landscape design links natural and built systems to achieve balanced environmental, social, and economic outcomes. In addition, it improves the quality of life, long-term health of communities, and the environment. Sustainable landscape balances and benefits both the needs of people and the environment. Figure 4-2 depicts the Master Landscape Plan for Rancho Palma. The following is a list of various 'sustainable' features and practices to be used and/or considered:

- Due to extreme drought conditions, be mindful to choose low water, drought tolerant, and/or native plants that match the local micro climate, and soil conditions. (Refer to Plant Palette herein)
- Select plants that are "non-invasive" according to the current California Invasive Plant Inventory, published by the California Invasive Plant Council.
- Design landscape and plant spacing to allow for plants to reach mature size. Using appropriate sizes and the thoughtful placing of plants prevents overgrowth and future thinning, reducing the amount of material sent to the landfill.
- Locate plants to ensure proper drainage and to reduce potential damage to buildings.
- Increase tree cover to provide shade in developed areas to reduce energy demand, mitigate solar heat gain into buildings, and to reduce the amount of heat absorbed by paved areas.
- Plant deciduous trees on the south side of buildings to allow for increased solar heat gain in winter months (thereby reducing energy needed for heating interiors) and shading in summer months (thereby reducing energy needed for cooling interiors).
- Create natural looking designs to reduce maintenance required.
- Reuse soils from the site, if appropriate, as horticultural soils.
- Maintain and/or improve soil health through responsible management including nurturing soil with organic matter, reducing synthetic fertilizer use, and restoration to sustain protected and future ecosystems.
- Use integrated pest management to control or eliminate pesticide and toxic chemical use.
- Use nitrogen-fixing plants to reduce fertilizer use.
- Create and/or maintain wildlife habitat.
- Use sustainable materials in landscape construction and site furnishing selections including, but not limited to, recycled materials, environmentally preferable/responsible products, materials that can be recycled, certified "green" products, and locally available or locally manufactured products.
- Encourage the use of low toxic wood preservatives (no CCA), or naturally rotresistant wood for landscaping.



# Master Landscape Plan

] Feet

- Utilize weather and climate-smart irrigation controllers.
- Design irrigation zones to suit plant requirements and incorporate high-efficiency nozzles.
- Incorporate water conservation measures (xeriscape, rain gardens, grouping plants with similar requirements) into the landscape.
- Control water runoff (bioswales, rain gardens, green roofs).

### 4.4.1 Community Design Theme/Landscape Character

Landscape design plays an important role in establishing the visual identity and character of the Rancho Palma community. The ability to create consistency in theme and the application of major community-level design elements allows for a unified and cohesive community. Enhanced entries with monumentation and signage, upgraded hardscape and decorative entry gates provides a sense of arrival. Perimeter landscape and upgraded walls and pilasters will provide an attractive visual buffer to the various existing uses surrounding the project. The community interface with improved edge conditions, and site-specific plant materials is designed to be maintained throughout Rancho Palma to communicate and enhance the community's identity.

Rancho Palma embraces a California vineyard theme (see Figure 4-2, Master Landscape Plan). Careful thought has been given to integrate the structural and aesthetic elements of a balanced, cohesive community. To ensure that these design guidelines are implemented in a manner that will provide a sense of its own character and ambiance, a central theme embracing the classic California vineyards has been developed. This theme is consistent with the community vision and tie the community together while enabling the neighborhoods and commercial area to further develop their individual character through their own unique elements.

Several identifying design and landscape elements will be incorporated throughout the community and will generally include:

- Wood beams, stacked stone, and poured-in-place concrete are incorporated into monumentation and accessory structures.
- Natural landscaped areas blended with manicured landscaping.
- Low water, drought-tolerant and native tree and shrub materials.
- Natural materials such as stone, wood, and boulders, complemented by an earthtone color palette.

Rancho Palma is a planned community that is inspired by the California vineyard and recognizes this historical character. Like California itself, the design intent and architecture is an eclectic and colorful mix of various influences from across the United States. This community offers its residents an environment in which pedestrian connectivity, recreational activity, and social interaction are fostered. The residential neighborhood within Rancho Palma focuses on these aspects by residences oriented to the street, pathways throughout the development, public gathering spaces, and local parks with recreational amenities.

Thematic elements are major project improvements that occur at the community or neighborhood level, and assist in establishing the overall design theme for the Rancho Palma community. These major thematic elements will be reinforced within the following:

- Monumentation/Signage
- Streetscape Landscape
- Enhanced Masonry Vertical Elements
- Enhanced Hardscape
- Enhanced Community Edge Conditions
- Parks and Recreation Facilities
- Lighting/ Street Furniture Family
- Walls and Fences
- Landscaping/Plant Palette

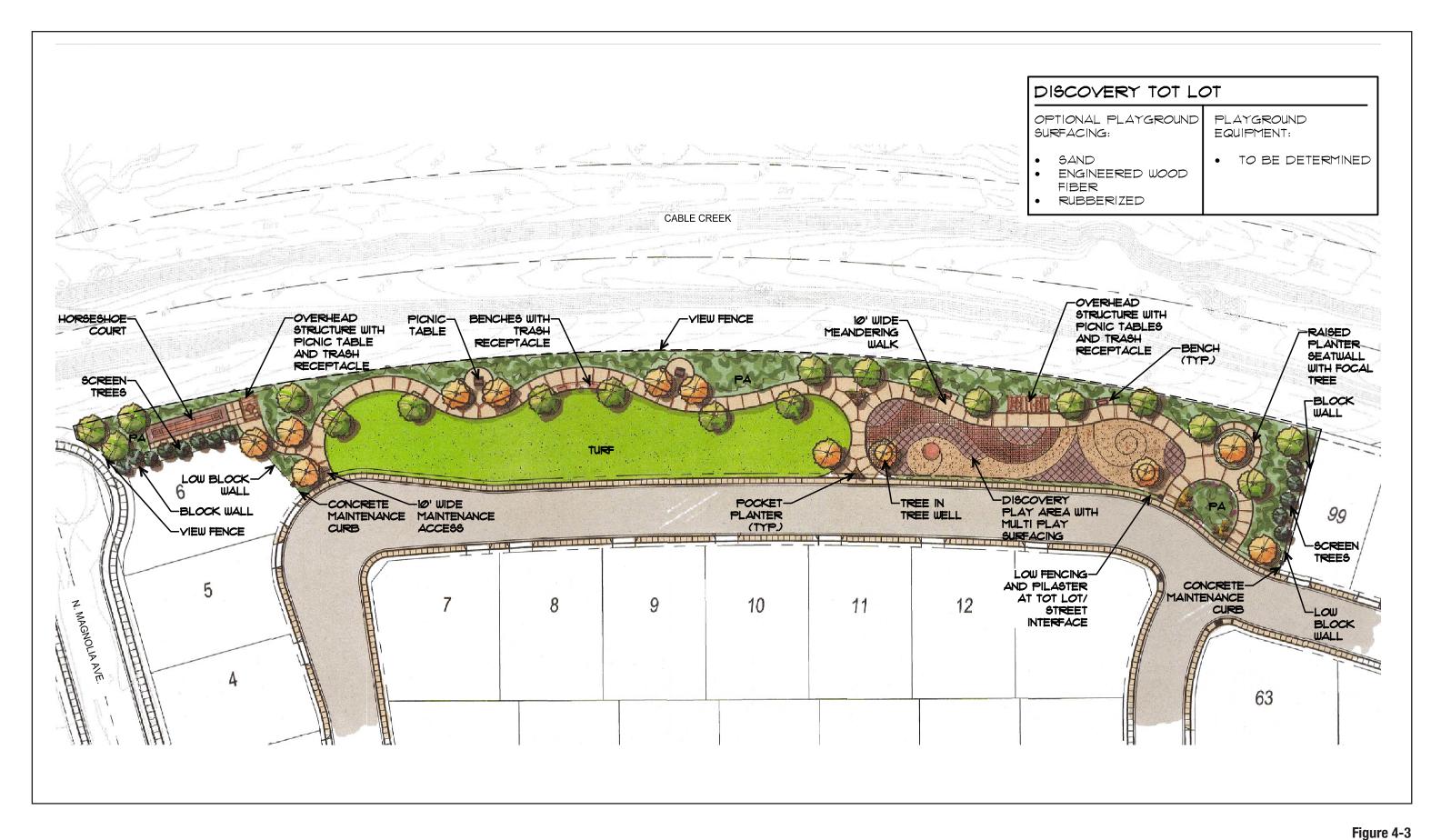
These thematic elements will commonly occur throughout the community and will unite Rancho Palma under a common design vocabulary. General design guidelines and design criteria for the community theme elements are contained in the sections that follow.

### 4.4.2 Parks, Water Quality Basin, and RV Storage Lot

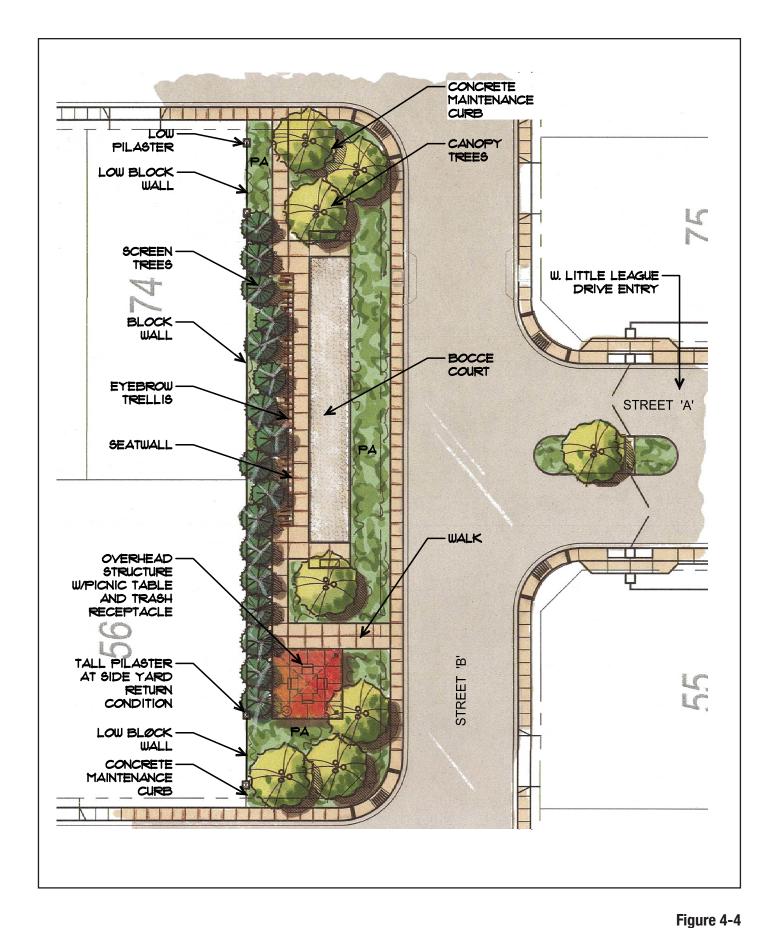
One neighborhood park, one pocket park and a paseo connection to the commercial center are located within the residential neighborhood. Rancho Palma is also providing a half acre expansion of the existing Ronald Reagan Park, located across Cable Creek Channel. Conceptual designs for the parks are depicted in Figure 4-3, Neighborhood Park Concept, Figure 4-4, Pocket Park Concept, and Figure 4-5, Ronald Reagan Park Expansion Concept.

The neighborhood park is proposed to have open play turf areas along with paths, picnic nodes, and a playground area. A horseshoe court or other activity may also be provided. The Pocket park is designed for passive activities and may include bocce ball, or similar type recreation. The paseo connection will include landscape screening, benches, and gated access to the commercial center.

The Water Quality Basin will be fenced and gated for maintenance access (see Figure 4-6, Water Quality Basin and Paseo). The recreational vehicle parking lot will also be landscaped to screen views from adjacent properties (see Figure 4-7, RV Parking Concept).

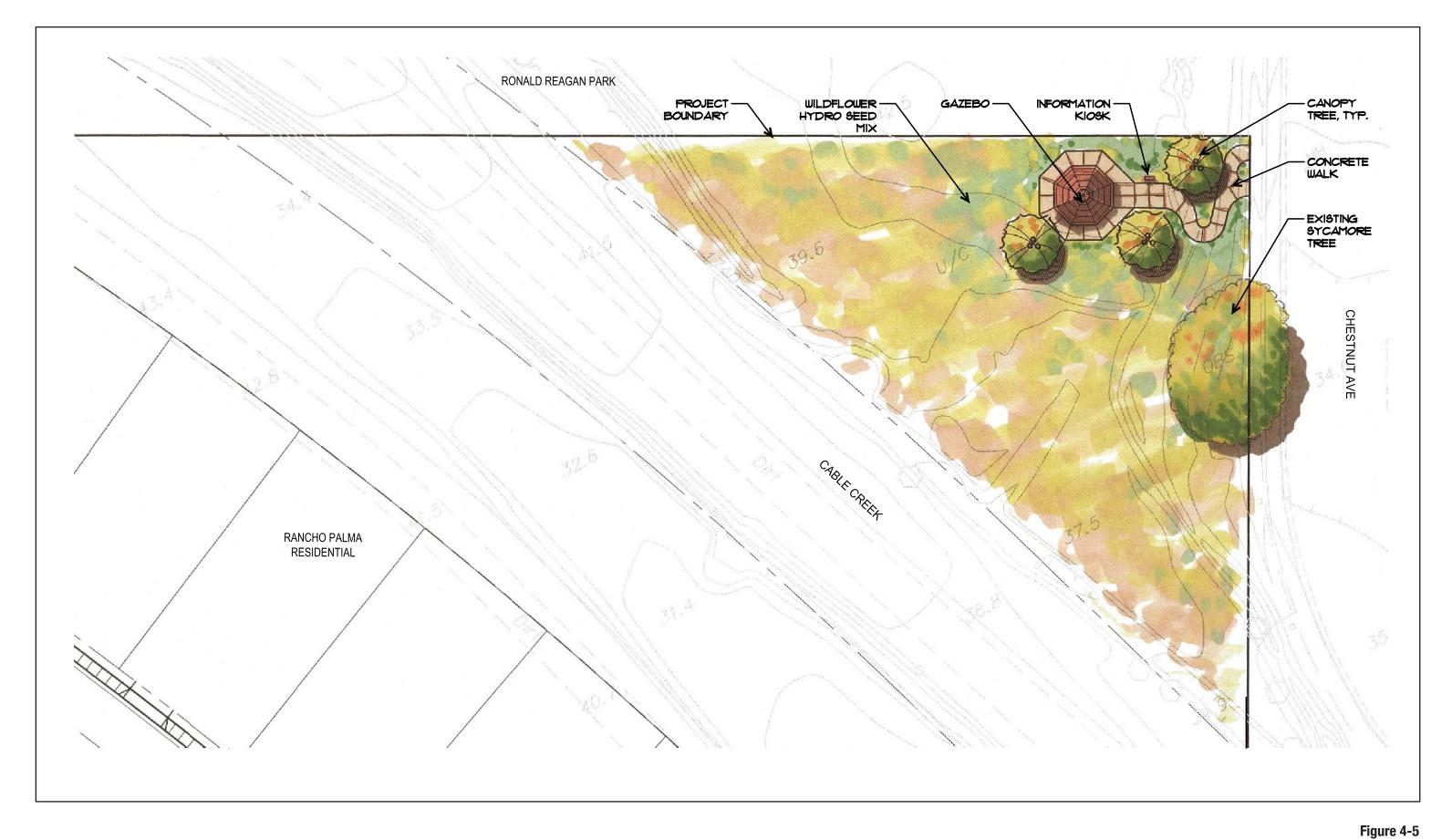


# **Neighborhood Park Concept**



# **Pocket Park Concept**

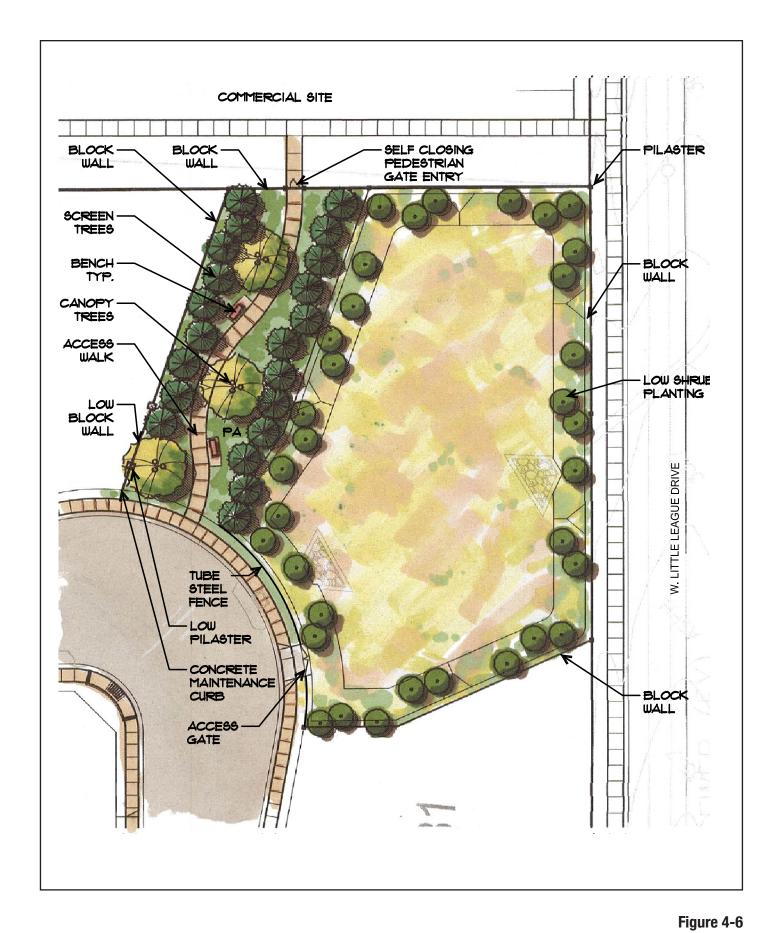
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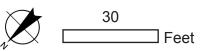
# **Ronald Reagan Park Expansion Concept**

FORM

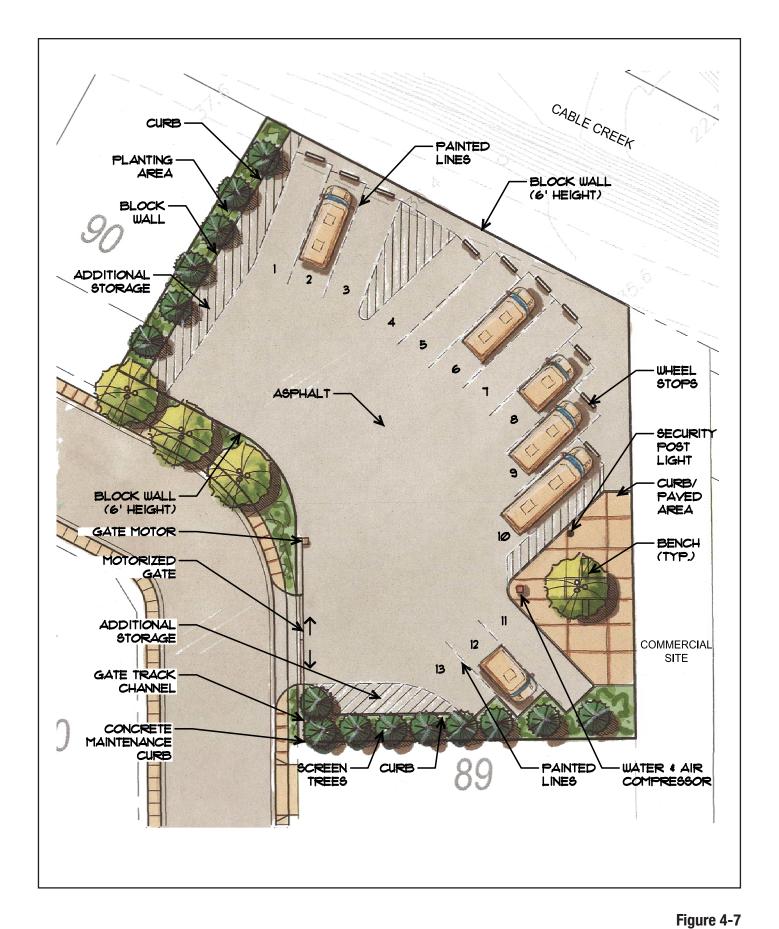
November 2015



### **Water Quality Basin and Paseo**







# **RV Parking Concept**

30 Feet

FORM November 2015

#### 4.4.3 Streets and Entries

Streets and entries are important elements for the design of Rancho Palma. These areas serve as the gateways to both the commercial and residential components of the community. Figure 4-8, Street Sections depicts the conceptual street sections for West Little League Drive, Magnolia Avenue, and the private, residential local streets.

The residential neighborhood entries at West Little League Drive and Magnolia Avenue have been designed to provide a formal arrival to the neighborhood and be an extension of the overall landscape theme. These entries are gated and are depicted in Figure 4-9, Project Entry at Magnolia Avenue Concept, Figure 4-10, Project Entry at West Little League Drive Concept, and Figure 4-11, Project Entry Gate Concept.

### 4.4.4 Community Identity Plan/Monumentation

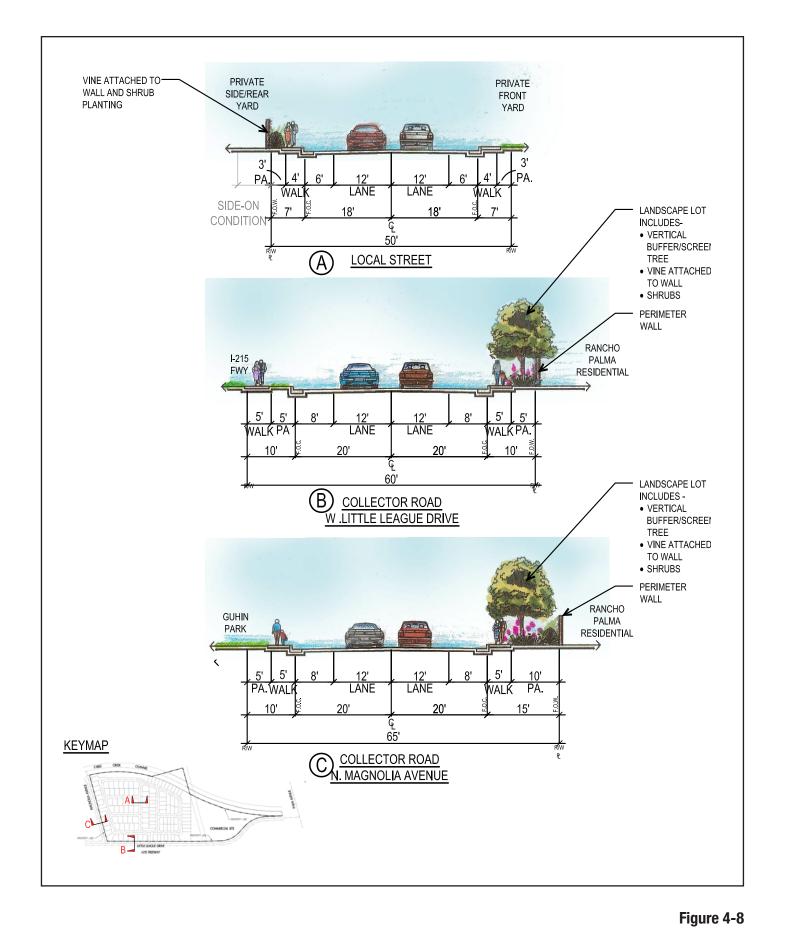
Appropriate community and commercial thematic identification is important for the establishment of a new community and maintaining the overall Rancho Palma theme. Identification and monumentation provides a system for community development and gives directional information to residents and visitors.

Entry monument signage, through decorative typefaces and symbolic graphics, will inform the visitor that they are entering a planned community. Monument signage will be consistent with the character of the project, but flexible enough to respond to individual project contexts. Logos, type styles, color schemes, and architectural features should be consistent throughout the area being identified. Monument signs may vary in size and detail in a manner that reflects their relative importance within the signage hierarchy, but will incorporate all the materials proposed within the major community monumentation.

#### Materials:

- Dry stacked stone monument bases, or manufacturer's dry stacked stone product application on monument bases.
- Community logo panel
- Natural wood or metal horizontal member components
- Poured-in-place concrete components
- Stucco veneer to match adjacent architecture

Three types of monumentation have been conceptually designed for Rancho Palma; Residential Entry Monumentation, Primary Commercial Monumentation, and Primary Commercial Marquee. The locations for these monuments are depicted on Figure 4-12, Monumentation Plan, with Figure 4-13, Residential Entry Monumentation, Figure 4-14, Primary Commercial Monumentation and Figure 4-15, Primary Commercial Marquee, depicting the monumentation.



### **Streetscape Sections**

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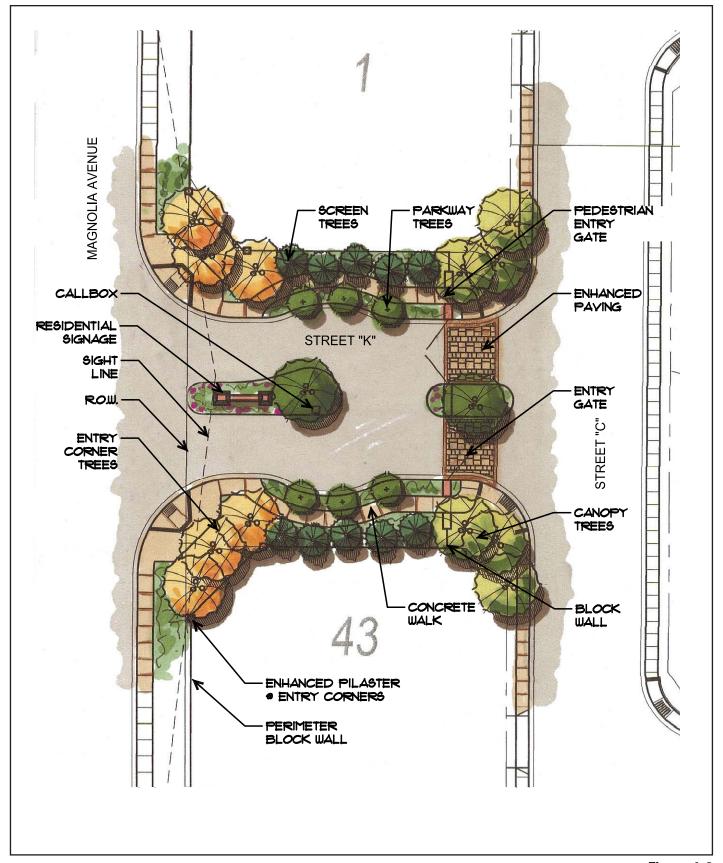


Figure 4-9

# Project Entry Concept at Magnolia Avenue

### **RANCHO PALMA**

20 Feet



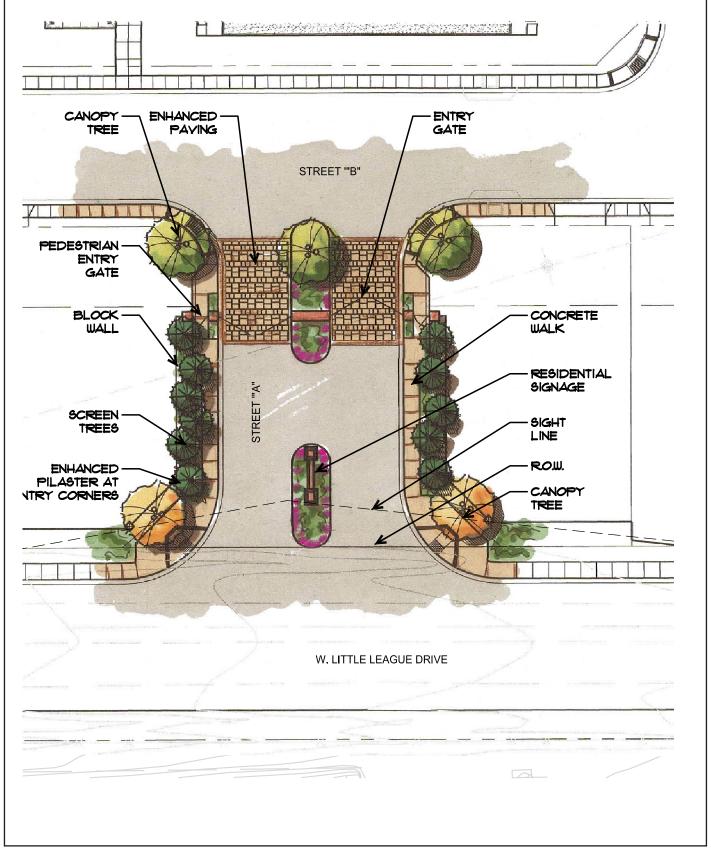
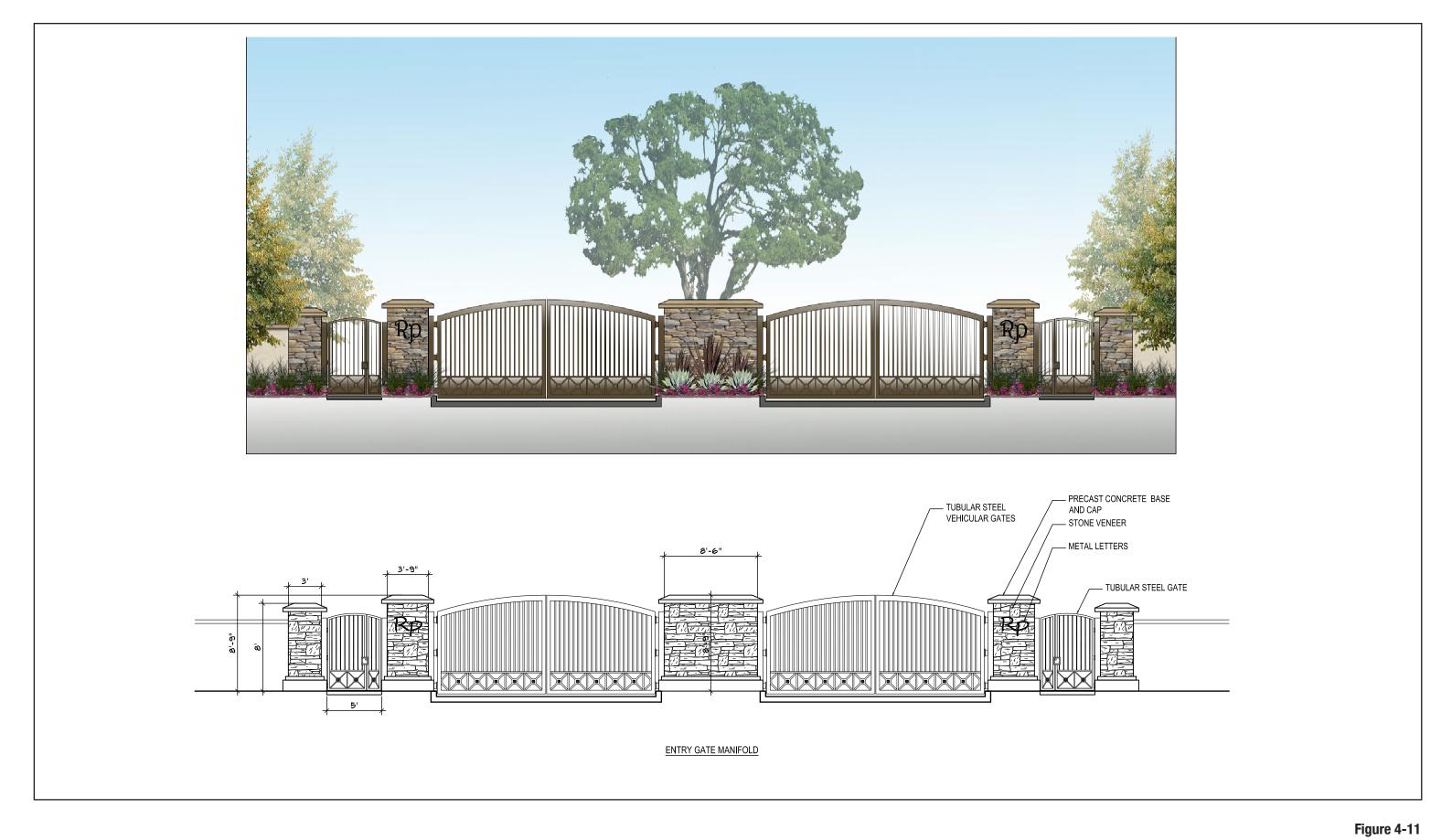


Figure 4-10

# Project Entry Concept at W. Little League Drive

### **RANCHO PALMA**

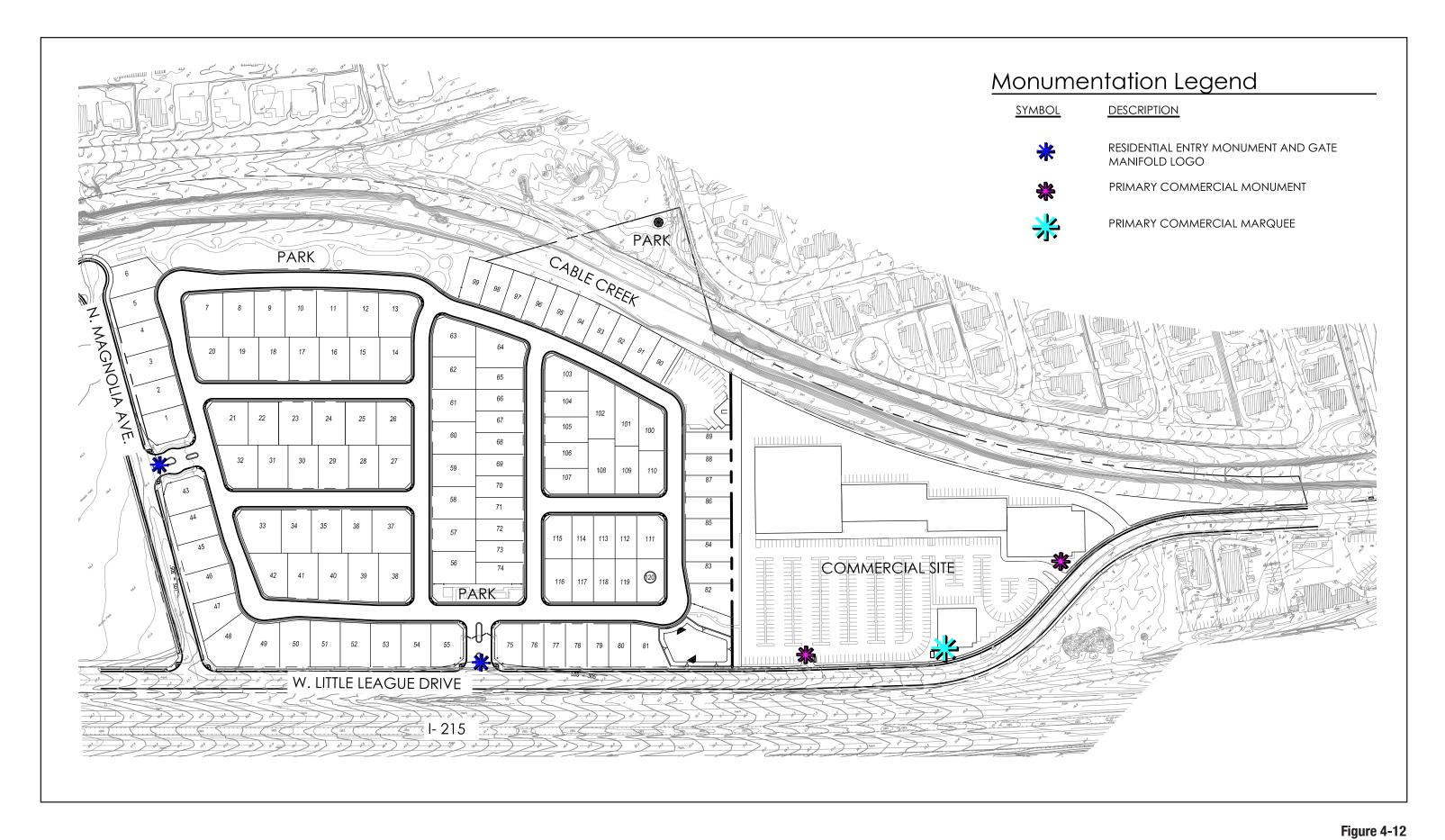


# **Project Entry Gate**

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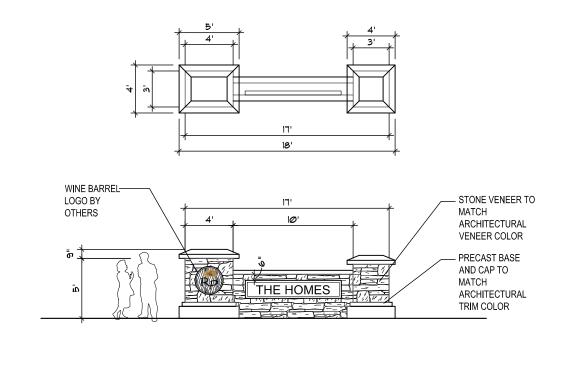


## **Monumentation Plan**

200 Feet



NOT TO SCALE



### **RANCHO PALMA**

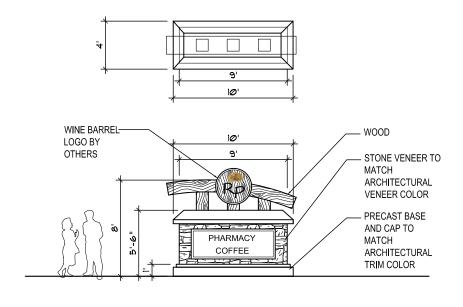
## **Residential Entry Monumentation**

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Figure 4-13



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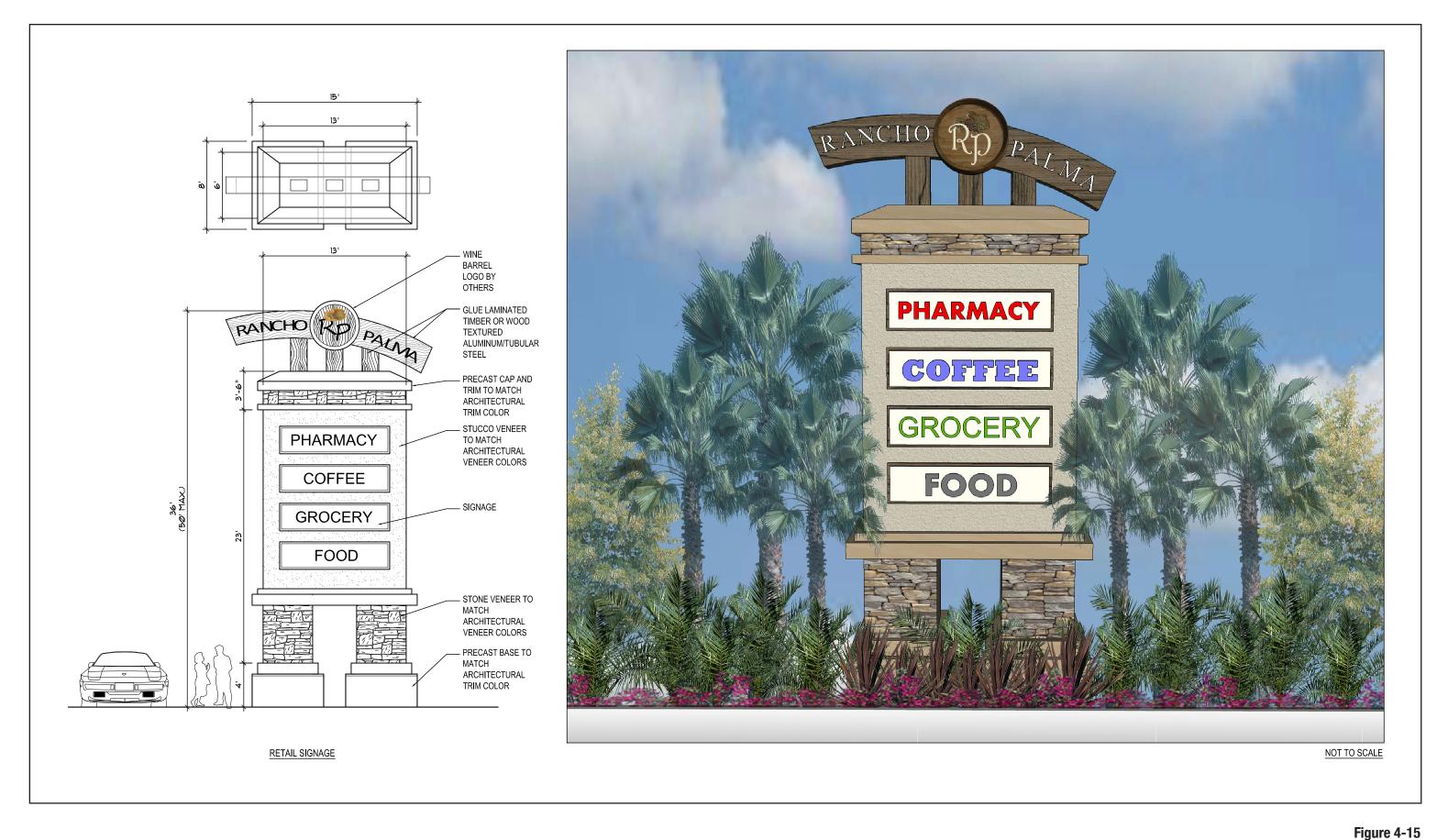


### **RANCHO PALMA**

### **Primary Commercial Monumentation**

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Figure 4-14



# **Primary Commercial Marquee**



8 Feet

### 4.4.5 Wall and Fence Guidelines

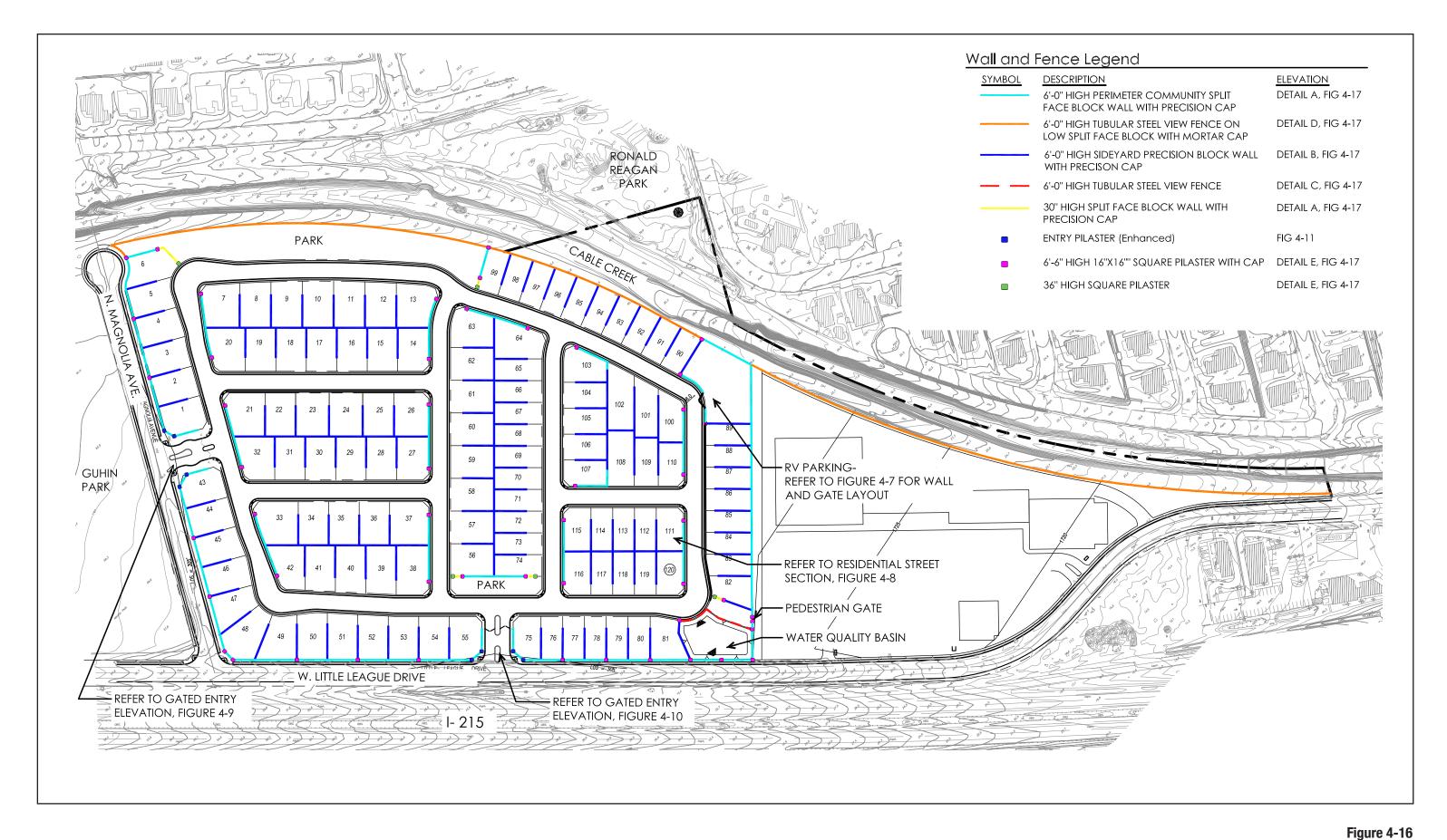
Maintaining quality and character of all aspects of the public realm is a key place-making principle. The wall and fence design criteria is intended to provide variety and privacy for each lot while providing continuity and unity within the community.

Walls and fencing will be used throughout the community to complement the overall design theme, establish community identity, provide protection from roadway and other noise, and allow privacy and security in residential areas. The use of walls and fences can also serve to accentuate neighborhood features in addition to screening streets and adjacent uses.

The following types of walls and fences (open and largely transparent) have been selected for possible use within different areas of the project site. All wall and fence heights are measured from the highest grade elevation on either side of the wall or fence. An overall community wall program is provided to help unify and reinforce community character.

- Decorative walls and/or screen walls shall be integrated with the architecture of community buildings, as well as the overall landscape design.
- All community theme walls and fences shall be consistent in design.
- The community wall will be colored split face block with a 4" precision block cap.
- Interior/side yard or any wall not visible to the public realm shall be precision block with precision cap.
- Vines and/or shrubs should be planted along community walls to soften the visual character. An extensive use of vines is encouraged.

Figure 4-16 depicts the Rancho Palma Wall and Fence Master Plan, and Figure 4-17 depicts Wall and Fence Details.



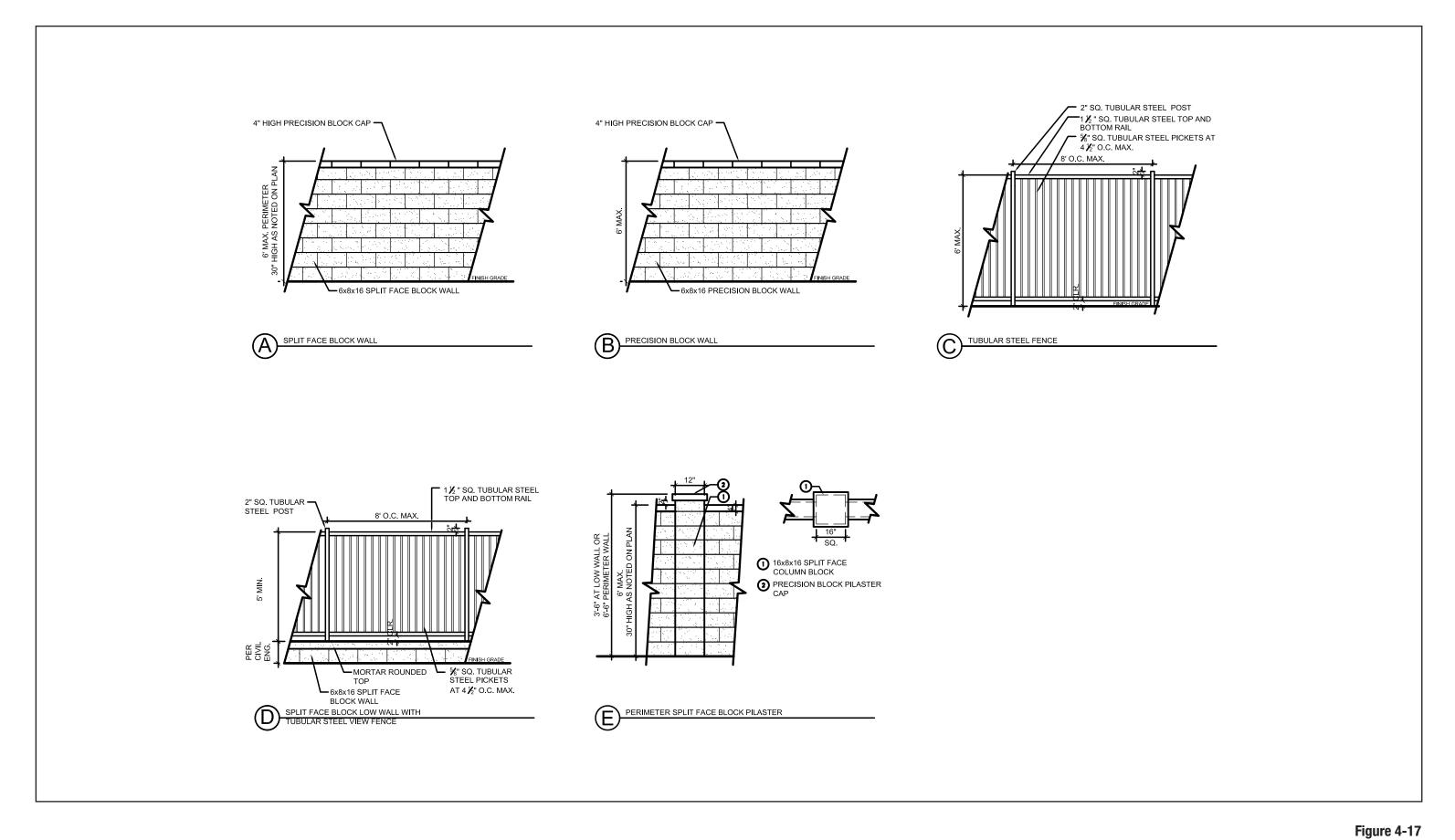
Strata Palma, LLC

### **Wall and Fence Master Plan**

FORM

November 2015

200 Feet



# **Wall and Fence Details**

☐ Feet



### 4.4.6 Landscape Irrigation

All common landscape areas will be permanently irrigated using an automatic, underground irrigation system or drip system. The irrigation system will be separated into several systems based on water requirements of each hydrozone. Hydrozone separations will be based on sun orientation and water requirements of the plant material.

Irrigation of required landscaped areas shall be by either automatic, overhead, high-efficiency spray nozzle or drip irrigation and matched precipitation rate, low gallonage sprinkler heads, bubblers, and timing devices. Landscape areas less than 6' wide shall be irrigated with drip irrigation. Timing devices shall include soil moisture sensors and rain sensing override devices. Sprinkler popup heights shall range from 6" high in turf areas and 12" high in shrub/groundcover beds where a drip system may not be applicable. The irrigation system shall be capable of operating automatically by incorporating an electric weather-based and climate-smart irrigation controller or advanced solar technology components and low voltage electric remote control valves. Quick coupling valves, as required, shall be strategically located to provide supplemental water to plant material and for wash down purposes. All remote control and quick coupling valves shall be located and installed within the shrub beds wherever possible.

### 4.4.7 Plant Palette

The plant list for this project was developed to reinforce the community theme and to create some seasonal change with a mixture of low water use, drought-tolerant, deciduous, and evergreen plants while maintaining a well-balanced landscape. Many plants on this list are considered as low water use and are drought-tolerant species. These were chosen based on their specific growth characteristics, including flowering and foliage color, texture and form.

The following items should be considered in the community landscape design process:

- Extensive use of trees, vines and shrubs to soften the perimeter community theme wall and fencing and to provide a buffer to the adjacent land uses.
- Recognition of existing natural conditions and situations.
- Use of both "formal" and "informal" planting arrangements, depending upon the particular condition.
- Layering of the shrub understory to create depth, variety and interest.









Botanical Name	Common Name	Residential	Streetscapes	Entries	Commercial	Parks	Drainage Basins	Water Use	Native
TREES									
Abies spp. (limited varieties are native)	Fir	•						Moderate	
Acacia spp.	Acacia	•						Low	
Agonis flexuosa	Peppermint Tree	•						Low	
Albizia julibrissin	Silk Tree	•	•			•		Low	
Araucaria araucana	Monkey Puzzle Tree	•						Moderate	
Araucaria bidwillii	Bunya-Bunya	•						Moderate	
Araucaria heterophylla	Norfolk Island Pine	•						Moderate	
Arbutus "Marina"	Marina Arbutus	•	•	•	•	•	•	Moderate	
Arbutus unedo	Strawberry Tree	•	•	•	•	•	•	Low	
Bauhinia variegata (purpurea)	Purple Orchid Tree	•	•					Moderate	
Brachychiton populneus	Bottle Tree	•	•	•	•	•		Low	
Callistemon citrinus	Bottle Brush	•						Low	
Calocedrus decurrens	Incense Cedar	•						Moderate	•
Cassia leptophylla	Gold Medallion Tree	•	•	•	•	•		Moderate	
Castanospermum australe	Moreton Bay Chestnut	•				•		Moderate	
Casuarina cunninghamiana	River She-Oak	•						Low	
Catalpa bignonioides	Bean Tree	•						Moderate	
Catalpa speciosa	Western Catalpa	•				•		Moderate	
Celtis occidentalis	Common Hackberry	•	•	•				Moderate	
Celtis sinensis	Chinese Hackberry	•						Moderate	
Ceratonia siliqua	Carob	•	•	•	•	•		Low	
Cercis canadensis	Eastern Redbud	•						Moderate	
Cercis mexicana	Mexican Redbud	•						Moderate	
Cercis occidentalis	Western Redbud	•	•	•	•	•		Low	•
Chilopsis linearis	Desert Willow	•						Low	•
Chionanthus retusus	Chinese Fringe Tree	•						Moderate	
Cinnamomum camphora	Camphor Tree	•	•	•	•	•		Moderate	
Citrus spp.	Orange, Lemon Etc.	•		•		•		Moderate	
Cupaniopsis anacardioides	Carrotwood	•	•	•	•	•		Moderate	
Cupressus sempervirens	Italian Cypress	•		•	•			Low	
Dracaena draco	Dragon Tree	•						Low	









Botanical Name	Common Name	Residential	Streetscapes	Entries	Commercial	Parks	Drainage Basins	Water Use	Native
Eriobotrya deflexa	Bronze Loquat	•	•	•	•	•		Moderate	
Eriobotrya japonica	Loquat	•						Moderate	
Erythrina coralloides	Naked Coral Tree	•						Moderate	
Erythrina crista-galli	Cockspur Coral Tree	•						Low	
Ficus florida	Florida Fig	•	•	•	•	•		Moderate	
Ficus macrophylla	Moreton Bay Fig	•		•	•			Moderate	
Ficus microcarpa (F. retusa nitida)	Indian Laurel Fig/ Laurel Fig	•		•	•			Moderate	
Ficus rubiginosa (F. microphylla)	Rusty Leaf Fig	•	•	•	•	•		Moderate	
Fraxinus angustifolia "Raywood" (F. oxycarpa)	Raywood Ash	•				•		Moderate	
Fraxinus dipetala	Foothill Ash	•						Low	•
Fraxinus uhdei	Evergreen Ash	•				•	•	Moderate	
Fraxinus velutina	Arizona Ash	•				•	•	Moderate	•
Fraxinus velutina "Modesto"	Modesto Ash	•				•	•	Moderate	•
Geijera parviflora	Australian Willow	•	•		•	•		Moderate	
Ginkgo biloba	Maiden Hair Tree	•		•	•			Moderate	
Gleditsia triacanthos	Honey Locust	•	•			•		Low	
Grevillea robusta	Silk Oak	•				•		Low	
Handroanthus chrysotrichus (Tabebuia chrysotricha)	Golden Trumpet Tree	•	•	•	•	•		Moderate	
Handroanthus impetiginosus (Tabebuia impetiginosa )	Pink/Lavender Trumpet Tree	•	•	•	•	•		Moderate	
Hesperocyparis spp.	Cypress	•						Very Low	
Hymenosporum flavum	Sweet Shade	•			•	•		Moderate	
Jacaranda mimosifolia	Jacaranda	•		•	•	•		Moderate	
Juglans californica	California Black Walnut	•						Low	•
Juglans hindsii	Northern California Black Walnut	•						Low	•
Juniperus spp.	Juniper	•		•	•	•		Moderate	
Juniperus scopulorum	Rocky Mountain Juniper	•						Moderate	
Koelreuteria bipinnata	Chinese Flame Tree	•	•	•	•	•		Moderate	
Koelreuteria elegans	Chinese Flame Tree	•						Moderate	
Koelreuteria paniculata	Golden Rain Tree	•	•	•	•	•		Low	
Lagerstroemia spp., hybrids	Crape Myrtle	•	•	•	•	•		Moderate	
Laurus nobilis	Sweet Bay	•	•		•			Low	









Botanical Name	Common Name	Residential	Streetscapes	Entries	Commercial	Parks	Drainage Basins	Water Use	Native
Leptospermum "Dark Shadows"	Dark Shadows Tea Tree	•						Low	
Leptospermum laevigatum	Australian Tea Tree	•						Low	
Leptospermum petersonii	Lemon Scented Tea Tree	•						Low	
Liquidambar styraciflua	Sweet Gum	•	•	•	•	•		Moderate	
Lonicera hispidula	California Honeysuckle	•						Very Low	•
Lophostemon confertus (Tristania conferta)	Brisbane Box	•	•	•	•	•	•	Moderate	1
Lyonothamnus spp.	Ironwood	•						Low	•
Magnolia grandiflora	Southern Magnolia	•	•	•	•	•		Moderate	
Magnolia x soulangeana	Saucer Magnolia	•		•	•			Moderate	
Melaleuca linariifolia	Flax Leaf Paper Bark	•	•	•	•	•		Low	
Melaleuca nesophila	Pink Melaleuca	•						Low	
Melaleuca viridiflora var. rubriflora (M. quinquenervia)	Cajeput Tree	•						Moderate	
Metrosideros excelsa (M. tomentosa)	New Zealand Christmas Tree	•			•	•		Moderate	
Morus alba	White Mulberry	•						Moderate	
Olea europaea	Olive	•	•	•	•	•		Low	
Olneya tesota	Desert Ironwood	•						Low	•
Parkinsonia spp.	Mexican Palo Verde/ Jerusalem Thorn	•	•	•	•	•		Low	
Parkinsonia "Desert Museum" (Cercidium)	Desert Museum Palo Verde	•	•	•	•	•		Low	•
Parkinsonia florida (Cercidium florida)	Blue Palo Verde	•						Very Low	•
Parkinsonia microphylla (Cercidium microphyllum)	Little Leaf Palo Verde	•						Low	•
Pinus spp.	Pine	•	•	•	•	•	•	Low	•
Pinus attenuata	Knobcone Pine	•	•	•	•	•		Low	•
Pinus coulteri	Coulter Pine	•	•	•	•	•		Low	•
Pinus edulis	Pinyon Pine	•	•	•	•	•		Low	•
Pinus monophylla	Single Leaf Pinyon Pine	•	•	•	•	•		Low	•
Pinus ponderosa	Ponderosa Pine	•	•	•	•	•		Low	•
Pinus sabiniana	Foothill Pine	•	•	•	•	•		Low	•
Pistacia chinensis	Chinese Pistache London Plane	•	•	•	•	•		Moderate	
Platanus acerifolia "Bloodgood"	Tree								









Botanical Name	Common Name	Residential	Streetscapes	Entries	Commercial	Parks	Drainage Basins	Water Use	Native
Platanus acerifolia "Columbia"	London Plane Tree								
Platanus racemosa	California Sycamore	•	•	•	•	•	•	Moderate	•
Podocarpus henkelii	Long Leaf Yellow Wood	•		•	•	•		Moderate	
Podocarpus macrophyllus	Yew Pine	•		•	•	•		Moderate	
Populus fremontii	Western Cottonwood	•				•	•	Moderate	•
Populus nigra "Italica"	Lombardy Poplar	•				•	•	Moderate	
Prosopis spp.	Mesquite	•				•	•	Low	
Prunus spp.	Stone Fruit	•		•	•	•		Moderate	
Prunus caroliniana	Carolina Laurel Cherry	•		•	•	•		Moderate	
Prunus ilicifolia	Holly Leaf Cherry	•						Very Low	•
Prunus ilicifolia Iyonii	Catalina Cherry	•					•	Low	•
Psidium littorale var. longipes (P. cattleianum)	Strawberry Guava	•				•		Moderate	
Pyrus calleryana cultivars	Callery Pear	•						Moderate	
Pyrus kawakamii	Evergreen Pear	•			•			Moderate	
Quercus spp. (limited varieties are native)	Coast Live Oak	•	•	•	•		•	Low	•
Quercus agrifolia	Coast Live Oak	•	•	•	•			Low	•
Quercus douglasii	Blue Oak	•	•	•	•			Low	•
Quercus engelmannii	Mesa Oak	•	•	•	•			Low	•
Quercus kelloggii	California Black Oak	•	•	•	•			Moderate	•
Quercus lobata	Valley Oak	•	•	•	•		•	Moderate	•
Quercus wislizeni	Interior Live Oak	•	•	•	•		•	Very Low	•
Robinia pseudoacacia	Black Locust	•						Low	
Robinia x ambigua	Locust	•						Low	
Schinus molle	California Pepper Tree	•				•		Low	
Schinus terebinthifolius	Brazilian Pepper Tree	•			•	•		Moderate	
Senna spectabilis (Cassia excelsa)	Senna/Cassia (Spectabilis/Excel sa)	•						Moderate	
Sequoiadendron giganteum	Giant Sequoia	•				•		Moderate	•
Stenocarpus sinuatus	Firewheel Tree	•						Moderate	
Styphnolobium japonicum ((Sophora japonica)	Japanese Pagoda Tree	•						Moderate	
Taxus baccata	English Yew	•			•			Moderate	









Botanical Name	Common Name	Residential	Streetscapes	Entries	Commercial	Parks	Drainage Basins	Water Use	Native
Taxus baccata "Fastigiata"	Irish Yew	•						Moderate	
Thuja plicata	Western Red Cedar	•						Moderate	•
Tipuana tipu	Tipu Tree	•	•	•	•	•		Moderate	
Tristaniopsis laurina	Little Leaf Myrtle	•						Moderate	
Ulmus americana	American Elm	•						Moderate	
Ulmus parvifolia	Chinese Evergreen Elm	•	•	•	•	•		Low	
Ulmus pumila	Siberian Elm	•						Low	
Umbellularia californica	California Bay	•	•			•		Moderate	•
x Chitalpa tashkentensis	Chitalpa	•						Low	
Zelkova serrata	Saw Leaf Zelkova	•	•	•	•	•		Moderate	
PALMS									
Archontophoenix cunninghamiana	King Palm	•			•	•		Moderate	
Brahea armata	Blue Hesper Palm	•		•	•			Low	
Brahea brandegeei	San Jose Hesper Palm	•						Low	
Brahea edulis	Guadalupe Palm	•			•			Low	•
Butia odorata (B. capitata)	Pindo Palm	•			•			Low	
Chamaerops humilis	Mediterranean Fan Palm	•		•	•	•		Low	
Cycas revoluta	Sago Palm	•		•	•	•		Moderate	
Howea forsteriana	Kentia Palm	•			•			Moderate	
Phoenix canariensis	Canary Island Date Palm	•			•	•		Low	
Phoenix dactylifera	Date Palm	•			•	•		Low	
Phoenix reclinata	Senegal Date Palm	•			•	•		Moderate	
Phoenix roebelenii	Pigmy Date Palm	•		•	•	•		Moderate	
Ravenea rivularis	Majesty Palm	•						Moderate	
Rhapis excelsa	Lady Palm	•			•			Moderate	
Rhapis humilis	Slender Lady Palm	•			•			Moderate	
Sabal spp.	Palmetto	•			•	•		Moderate	
Syagrus romanzoffiana (Arecastrum romanzoffiana)	Queen Palm	•			•	•		Moderate	
Trachycarpus fortunei	Windmill Palm	•			•	•		Low	
Washingtonia filifera	California Fan Palm	•			•	•	•	Low	•
Washingtonia robusta	Mexican Fan Palm	•			•	•	•	Low	









Botanical Name	Common Name	Residential	Streetscapes	Entries	Commercial	Parks	Drainage Basins	Water Use	Native
SHRUBS									
Abelia chinensis	Chinese Abelia	•						Moderate	
Abelia floribunda	Mexican Abelia	•						Moderate	
Abelia parvifolia (A. longituba)	Schuman Abelia	•						Moderate	
Abelia x grandiflora	Glossy Abelia	•	•	•	•	•		Moderate	
Abutilon palmeri	Indian Mallow	•						Low	•
Acacia spp.	Acacia	•					•	Low	
Acacia greggii	Catclaw Acacia	•						Low	•
Acacia podalyriifolia	Pearl Acacia	•						Moderate	
Acanthus mollis (shade in the desert) (dormant in summer in CV)	Bear's Breech	•			•	•		Moderate	
Acca sellowiana (Feijoa sellowiana)	Pineapple Guava	•				•		Moderate	
Adenostoma fasciculatum	Chamise	•						Very Low	•
Aesculus californica	California Buckeye	•					•	Low	•
Alyogyne huegelii	Blue Hibiscus	•		•	•	•		Low	
Anisodontea X hypomandarum	South African Mallow	•						Moderate	
Aquilegia spp. (CA native and non-native spp.)	Columbine	•						Moderate	•
Arctostaphylos spp.	Manzanita	•		•	•	•	•	Low	•
Arctostaphylos hookeri "Ken Taylor"	Ken Taylor Manzanita	•		•	•	•	•	Low	•
Arctostaphylos hookeri "Wayside"	Wayside Manzanita	•		•	•	•	•	Low	•
Artemisia spp. (shrubby)	Sagebrush	•						Low	
Artemisia californica	California Sagebrush	•						Very Low	•
Artemisia californica "Canyon Gray"	Canyon Gray Sagebrush	•						Very Low	•
Artemisia californica "Montara"	Montara Sagebrush	•						Very Low	•
Artemisia douglasiana	California Mugwort	•						Low	•
Asclepias (CA native species)	Milk/Silk Weed	•						Low	•
Asclepias subulata	Desert Milkweed	•						Low	•
Atriplex CA native species	Saltbush	•						Very Low	•
Aucuba japonica (SHADE)	Japanese Aucuba	•			•	•		Moderate	
Baccharis spp.	Baccharis	•	•	•	•	•	•	Low	•
Baccharis "Centennial"	Centennial Baccharis	•			•	•	•	Low	•
Baccharis salicifolia	Mule Fat	•						Moderate	•









Botanical Name	Common Name	Residential	Streetscapes	Entries	Commercial	Parks	Drainage Basins	Water Use	Native
Bambusa spp.	Bamboo (Bambusa)	•			•	•		Moderate	
Berberis spp.	Berberis	•					•	Low	•
Berberis "Golden Abundance" (Mahonia)	Golden Abundance Mahonia	•						Moderate	•
Berberis nevinii	Nevin Mahonia	•						Low	•
Berberis x stenophylla "Irwinii"	Barberry	•						Moderate	
Bougainvillea spp.	Bougainvillea	•		•	•			Low	
Brunfelsia pauciflora	Yesterday Today And Tomorrow	•						Moderate	
Buddleja davidii and hybrids	Butterfly Bush	•				•		Moderate	
Buxus microphylla japonica	Japanese Boxwood	•	•	•	•	•		Moderate	
Caesalpinia gilliesii	Desert Bird Of Paradise	•						Low	
Caesalpinia mexicana	Mexican Bird Of Paradise	•						Low	
Calliandra californica	Baja Fairy Duster	•				•		Low	•
Calliandra eriophylla	Fairy Duster	•				•		Very Low	•
Calliandra haematocephala	Pink Powder Puff	•						Moderate	
Calliandra tweedii	Trinidad Flame Bush	•						Low	
Callistemon spp.	Bottlebrush	•						Low	
Calycanthus occidentalis (in shade)	Western Spice Bush	•						Moderate	•
Camellia japonica (SHADE IN DESERT)	Camellia	•			•			Moderate	
Camellia sasanqua (SHADE IN DESERT)	Sasanqua Camellia	•			•	•		Moderate	
Carissa spp.	Natal Plum	•	•	•	•	•		Moderate	
Carpenteria californica	Bush Anemone	•						Moderate	•
Ceanothus spp.	Ceanothus	•	•	•	•	•	•	Low	•
Ceanothus arboreus	Island Ceanothus	•	•	•	•	•	•	Moderate	•
Ceanothus "Gloire de Versailles"	Gloire De Versailles Ceanothus	•	•	•	•	•	•	Moderate	
Ceanothus "Joyce Coulter"	Joyce Coulter Ceanothus	•	•	•	•	•	•	Moderate	•
Ceanothus thyrsiflorus "El Dorado"	El Dorado Ceanothus	•	•	•	•	•	•	Moderate	•
Ceanothus thyrsiflorus "Skylark"	Skylark Ceanothus	•	•	•	•	•	•	Moderate	•
Cephalanthus occidentalis	Button Bush	•						Moderate	•









Botanical Name	Common Name	Residential	Streetscapes	Entries	Commercial	Parks	Drainage Basins	Water Use	Native
Cistus spp.	Rockrose	•		•	•	•		Low	
Cocculus laurifolius	Laurel Leaf Cocculus	•						Moderate	
Coleonema album	White Breath Of Heaven	•	•	•	•			Moderate	
Coleonema pulchellum (C. pulchrum)	Breath Of Heaven	•	•	•	•			Moderate	
Convolvulus cneorum	Bush Morning Glory	•			•	•		Low	
Coprosma repens	Mirror Plant	•	•	•	•	•		Moderate	
Coprosma x kirkii	Creeping Coprosma	•	•	•	•	•		Moderate	
Cordyline australis	New Zealand Cabbage Tree	•						Moderate	
Cordyline hybrids	Cordyline Hybrids	•						Moderate	
Cordyline stricta	Palm Lily	•						Moderate	
Correa spp.	Australian Fuchsia	•						Low	
Cotinus coggygria	Smoke Tree	•	•		•			Low	
Cotoneaster spp. (shrubs)	Cotoneaster	•		•				Moderate	
Cotoneaster coriaceus (C. lacteus, C.parneyi) )	Red Clusterberry	•						Moderate	
Cotoneaster salicifolius	Willowleaf Cotoneaster	•						Moderate	
Crassula spp.	Crassula	•						Low	
Cuphea "David Verity" (all Hybrids)	Large Firecracker Plant	•						Moderate	
Cuphea hyssopifolia	False Heather	•						Moderate	
Cuphea ignea	Cigar Plant	•			•	•		Moderate	
Cuphea llavea	Bat-Faced Cuphea	•			•	•		Moderate	
Cuphea "Strybing Sunset"	Stribing Sunset Cigar Plant	•						Moderate	
Dalea bicolor	Dalea (Bicolor)	•						Low	
Dendromecon harfordii	Island Bush Poppy	•					•	Low	•
Dendromecon rigida	Tree Poppy	•					•	Very Low	•
Dodonaea viscosa	Hopseed Bush	•	•	•	•	•		Moderate	
Dodonaea viscosa "Purpurea"	Purple Hopseed Bush	•		•	•	•		Moderate	
Dryopteris arguta	Coastal Wood Fern	•						Low	•
Dryopteris filix-mas	Male Fern	•						Moderate	•
Echium candicans (fastuosum)	Pride Of Madeira	•		•	•	•		Low	
Elaeagnus pungens	Silverberry	•			•			Low	









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Encelia actoni	Mountain Bush	•						Low	•
Fusalia salifovoisa	Sunflower Coast Sunflower	•					•	Low	
Encelia californica	Brittle Bush	÷		- 1			•		
Encelia farinosa Encelia frutescens	Green Brittlebush	÷					•	Very Low Low	
Erigeron glaucus	Beach Aster	•		-				Moderate	
Eriogonum spp. (CA native and non-native spp.)	Buckwheat	•					•	Low	•
Escallonia spp.	Escallonia	•	•	•	•			Moderate	$\vdash$
Euonymus japonicus	Evergreen Euonymus	•	•	•	•	•		Moderate	
Fatsia japonica (SHADE)	Japanese Aralia	•	•	•	•	•		Moderate	
Forestiera pubescens	Desert Olive	•						Low	•
Fremontodendron spp.	Flannel Bush	•						Very Low	•
Galvezia juncea	Baja Bush- Snapdragon	•						Low	•
Gardenia spp.	Gardenia	•		•	•	•		Moderate	
Garrya elliptica	Coast Silktassel	•						Moderate	•
Garrya veatchii	Silk Tassel Bush	•						Very Low	•
Grevillea spp.	Grevillea	•		•	•	•		Low	
Hebe spp.	Hebe	•	•	•	•	•		Moderate	
Heteromeles arbutifolia	Toyon	•	•			•	•	Low	•
Heuchera elegans	Urn Flowered Alum Root	•	•	•	•			Low	•
Heuchera hirsutissima	Idyllwild Rock Flower	•	•	•	•			Low	•
Heuchera maxima	Island Alum Root	•	•	•	•			Moderate	•
Heuchera micrantha	Crevice Alum Root	•	•	•	•		•	Moderate	•
Hibiscus rosa-sinensis	Chinese Hibiscus	•						Moderate	
Hydrangea paniculata hybrids	Peegee Hydrangea	•		•	•	•		Moderate	
llex spp.	Holly	•						Moderate	
Iris douglasiana	Douglas Iris	•				•	•	Moderate	•
Iris Pacific Coast hybrids	Pacific Coast Hybrids	•		•		•	•	Moderate	•
Isocoma spp. (Haplopappus)	Goldenbush	•						Very Low	•
Juniperus spp.	Juniper	•	•	•	•	•		Moderate	
Juniperus californica	California Juniper	•	•	•	•	•		Low	•
Justicia brandegeana	Shrimp Plant	•						Moderate	
Justicia californica (Beloperone californica)	Chuparosa	•						Low	•
Lantana spp.	Lantana	•	•	•	•	•		Low	









Botanical Name	Common Name	Residential	Streetscapes	Entries	Commercial	Parks	Drainage Basins	Water Use	Native
Lavandula spp.	Lavender	•	•	•	•	•		Low	
Lavatera maritima	Bush Mallow	•	× ,					Moderate	
Leonotis leonurus	Lion's Tail	•						Low	
Leptospermum spp.	Tea Tree	•						Low	
Leptosyne gigantea (Coreopsis gigantea)	Giant Coreopsis	•						Low	•
Leptosyne maritima (Coreopsis maritima)	Sea Dahlia	•						Low	•
Leucadendron spp, hybrids	Conebush	•				•	•	Moderate	
Leucophyllum spp.	Sage	•						Low	
Leucospermum spp	Pincushion Bush	•						Moderate	
Ligustrum japonicum	Japanese Privet	•	•	•	•	•		Moderate	
Lobelia laxiflora	Mexican Lobelia	•		•	•			Low	
Loropetalum chinense	Fringe Flower	•			•			Moderate	
Magnolia figo (Michelia figo)	Banana Shrub	•						Moderate	
Magnolia stellata	Star Magnolia	•						Moderate	
Malacothamnus spp.	Bush Mallow	•						Low	•
Malosma laurina (Rhus laurina)	Laurel Sumac	•						Low	•
Malva assurgentiflora (Lavatera assurgentiflora)	Tree Mallow	•						Low	•
Melianthus major	Honey Flower	•						Moderate	
Mimulus aurantiacus (Diplacus arachnoideus)	Sticky Monkey Flower	•						Very Low	•
Mimulus aurantiacus var. puniceus	Red Bush Monkey Flower	•						Very Low	•
Mimulus hybrids (shrubby) (Diplacus)	Monkey Flower	•						Low	•
Myoporum laetum	Coast Myoporum	•	•	•	•	•		Moderate	
Myrsine africana	African Boxwood	•	•	•	•	•		Moderate	
Myrtus communis	True Myrtle	•						Moderate	
Nandina domestica	Heavenly Bamboo	•			•			Moderate	
Nandina domestica "Purpurea"	Heavenly Bamboo (Nana)	•			•			Moderate	
Nerium oleander	Oleander	•			•			Low	
Oenothera caespitosa	Tufted (White) Evening Primrose	•						Low	•
Oenothera californica	California Evening Primrose	•						Very Low	•
Oenothera elata (E. hookeri)	Hooker's Evening Primrose	•						Low	•
Oenothera speciosa (O. berlandieri)	Mexican Evening Primrose	•						Low	
Osmanthus spp.	Sweet Olive/Osmanthus	•			•			Moderate	









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Otatea acuminata (aztecorum)	Mexican Weeping Bamboo	•			•			Moderate	
Pachycereus marginatus	Mexican Fence Post Cactus	•						Very Low	
Pedilanthus bracteatus	Tall Slipper Plant	•						Low	
Penstemon spp. (SW native)	Penstemon (SW Natives)	•					•	Low	•
Philodendron "Xanadu"	Xanadu Philodendron	•		•	•			Moderate	
Phlomis spp.	Phlomis	•						Low	
Phlox spp.	Phlox	•						Moderate	•
Photinia x fraseri	Fraser's Photinia	•	•	•	•	•		Moderate	
Phyllostachys spp.	Bamboo (Phyllostachys)	•			•			Moderate	
Pittosporum crassifolium	Evergreen Pittosporum	•	•	•	•	•		Moderate	
Pittosporum tenuifolium	Tawhiwhi	•	•	•	•	•	•	Moderate	
Pittosporum tobira	Mock Orange	•	•	•	•	•		Moderate	
Plumbago auriculata (capensis)	Cape Plumbago	•						Moderate	
Polygala fruticosa "Petite Buttterfly"	Petite Butterfly Pea Shrub	•						Moderate	
Polygala X dalmaisiana	Sweet Pea Shrub	•						Moderate	
Punica granatum	Dwarf Pomegranate	•		•		•		Low	
Pyracantha spp.	Firethorn	•						Moderate	
Ranunculus californicus	California Buttercup	•						Very Low	•
Rhamnus alaternus	Italian Buckthorn	•						Moderate	
Rhamnus crocea	Redberry	•						Low	•
Rhamnus ilicifolia	Hollyleaf Redberry	•						Low	•
Rhaphiolepis indica	Indian Hawthorne	•	•	•	•	•		Moderate	
Rhaphiolepis "Majestic Beauty"	Majestic Beauty	•	•	•	•	•		Moderate	
Rhaphiolepis umbellata	Yeddo Hawthorne	•						Moderate	
Rhus integrifolia	Lemonade Berry	•						Low	•
Rhus ovata	Sugar Bush	•					•	Low	•
Ribes spp.	Bitter Gooseberry	•						Low	•
Ribes californicum	Hillside Gooseberry	•						Low	•









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Ribes menziesii	Canyon Gooseberry	•						Low	•
Ribes sanguineum varieties	Red Flowering Currant	•					•	Moderate	•
Ribes speciosum	Fuchsia Flowering Gooseberry	•					•	Moderate	•
Roldana oaxacana (Senecio christobalensis)	Red Leafed Velvet Senecio	•						Moderate	
Roldana petasitis (Senecio petasitis)	Velvet Groundsel	•						Moderate	
Romneya coulteri	Matilija Poppy	•					•	Very Low	•
Rosa californica	California Wild Rose	•		•				Low	•
Rosa "Cecile Brunner"	Cecile Brunner Rose	•		•		•		Moderate	
Rosa hybrids spp.	Rose	•	•	•	•	•		Moderate	
Rosmarinus officinalis	Rosemary	•	•	•	•	•		Low	
Ruellia spp.	Petunia	•						Moderate	
Russelia equisetiformis	Coral Fountain	•			•	•		Moderate	
Salvia spp. (limited varieties are native)	Sage	•	•	•	•	•		Low	
Sambucus spp. (CA native and non-native spp.)	Elderberry	•						Low	•
Santolina spp.	Lavender Cotton	•						Low	
Sarcococca ruscifolia	Fragrant Sarcococca	•						Moderate	
Senecio cineraria (Jacobaea maritima)	Dusty Miller	•						Low	
Senecio flaccidus var. douglasii	Douglas Groundsel	•						Low	•
Senna artemisioides (Cassia artemisioides)	Feathery Cassia/Senna	•						Low	
Senna nemophila (Cassia nemophila)	Desert Cassia	•						Low	
Solanum umbelliferum	Blue Witch	•						Low	•
Spiraea spp. (CA native and non native spp.)	Spiraea	•						Moderate	•
Strelitzia nicolai (shade in desert)	Giant Bird Of Paradise	•	•	•	•	•		Moderate	
Strelitzia reginae (shade in desert)	Bird Of Paradise	•	•	•	•	•		Moderate	
Strelitzia reginae var juncea	Narrow-Leafed Bird Of Paradise	•	•	•	•	•		Low	
Symphoricarpos albus (SHADE)	Snowberry	•						Low	•
Symphoricarpos longiflorus (SHADE)	Desert Snowberry	•						Low	•
Symphoricarpos mollis (SHADE)	Creeping Snowberry	•						Low	•









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Tecoma spp.	Tecoma	•				•		Low	
Tecomaria capensis	Cape Honeysuckle	•	•	•	•	•		Moderate	
Ternstroemia gymnanthera	Japanese Ternstroemia	•						Moderate	
Teucrium chamaedrys	Germander	•						Low	
Teucrium fruticans	Bush Germander	•						Low	
Thevetia peruviana	Yellow Oleander	•				•		Moderate	
Thuja occidentalis	American Arborvitae	•						Moderate	
Trichostema lanatum	Woolly Blue Curls	•						Low	•
Trichostema parishii	Mountain Blue Curls	•						Low	•
Verbena gooddingii (Glandularia gooddingii)	Goodding Verbena	•	•	•	•			Low	•
Verbena stricta	Hoary Vervain	•						Moderate	
Viburnum japonicum	Japanese Viburnum	•	•	•	•	•		Moderate	
Viburnum suspensum	Sandanqua Viburnum	•	•	•	•	•		Moderate	
Viburnum tinus	Laurustinus	•	•	•	•	•		Moderate	
Westringia brevifolia	Small-Leafed Westringia	•						Moderate	
Westringia fruticosa (rosmariniformis) & hybrids	Coast Rosemary	•	•	•	•	•	•	Low	
Westringia longifolia	Winged Westringia	•						Moderate	
Westringia "Wynyabbie Gem"	Wynyabbie Gem Westringia	•	•	•	•	•	•	Low	
Woodwardia fimbriata	Giant Chain Fern	•						Moderate	•
Xylosma congestum	Shiny Xylosma	•	•	•	•	•		Moderate	
Zamia furfuracea	Cardboard Fern/Palm	•						Moderate	
SUCCULENTS									
Aeonium spp.	Canary Island Rose	•	•	•	•	•		Low	
Agave americana	Agave	•	•	•	•			Very Low	
Agave attenuata	Agave	•	•	•	•	•		Low	
Aloe spp. (CA native and non-native)	Aloe	•	•	•	•	•		Low	•
Beaucarnea recurvata (Nolina recurvata)	Ponytail Palm	•			•			Low	
Beschorneria yuccoides	Mexican Lily	•	•	•	•	•		Moderate	
Dasylirion spp.	Desert Spoon	•			•			Low	









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Dudleya spp.	Dudleya, Live Forever	•						Low	•
Echeveria spp.	Hens And Chickens	•	•	•	•			Low	
Echinocactus spp. (CA native and non-native spp.)	Barrel Cactus	•						Low	•
Euphorbia spp.	Euphorbia	•						Low	
Euphorbia cotinifolia	Carribean Copper Plant	•						Moderate	
Euphorbia x martinii	Euphorbia	•						Moderate	
Ferocactus spp. (CA native and non-native spp.)	Barrel Cactus	•						Low	•
Fouquieria splendens	Ocotillo	•						Very Low	•
Hesperaloe spp.	Hesperaloe	•	•	•	•	•		Low	
Hesperoyucca spp. (Yucca whipplei, Yucca californica)	Yucca	•	•	•	•			Low	•
Kalanchoe spp.	Kalanchoe	•	•	•	•	•		Low	
Kleinia repens (Senecio repens)	Blue Chalksticks	•	•	•	•	•		Low	
Nolina spp. (CA natives and non-natives)	Bear Grass	•						Very Low	•
Opuntia spp.	Prickly Pear/Cholla	•						Very Low	•
Plectranthus neochilus	Lobster Flower	•						Moderate	
Portulacaria afra	Elephant's Food	•	•	•	•	•		Low	
Sansevieria spp.	Mother-In-Law's Tongue	•	•	•	•			Low	
Sedum spp. (some are Hylotelephium)	Stone Crop	•	•	•	•	•		Low	•
Senecio cylindricus spp.	Chalksticks	•						Low	
Senecio mandraliscae (Kleinia mandraliscae)	Kleinia	•	•	•	•	•		Low	
Senecio serpens	Blue Chalksticks	•	•	•	•	•		Low	
Yucca spp.	Yucca	•	•	•	•			Very Low	
Yucca baccata	Banana Yucca	•	•	•	•			Very Low	•
Yucca brevifolia	Joshua Tree	•	•	•	•			Very Low	•
Yucca schidigera (Y. californica, Y. mohavensis)	Mojave Yucca	•	•	•	•		<u> </u>	Very Low	•
GRASSES									
Aristida purpurea	Purple Three- Awn	•	•	•	•	•	•	Low	•
Bouteloua curtipendula	Sideoats Grama	•	•	•	•	•	•	Low	•
Bouteloua gracilis	Blue Grama	•	•	•	•	•	•	Low	
Calamagrostis x acutiflora cvs. e.g. Karl Foerster	Feather Reed Grass	•	•	•	•	•	•	Moderate	
Carex pansa (grasses)	Sand Dune Sedge	•	•	•	•	•	•	Moderate	•









Botanical Name	Common Name	Residential	Streetscapes	Entries	Commercial	Parks	Drainage Basins	Water Use	Native
Carex praegracilis (grasses)	California Field Sedge	•	•	•	•	•	•	Moderate	•
Carex spissa	San Diego Sedge	•	•	•	•	•	•	Low	•
Carex tumulicola	Berkeley Sedge	•	•	•	•	•	•	Low	•
Elymus clnereus (Leymus cinereus)	Basin Wild Rye	•	•	•	•	•	•	Low	•
Elymus condensatus (Leymus condensatus)	Giant Wild Rye	•	•	•	•	•	•	Low	•
Elymus triticoides (Leymus triticoides)	Creeping Wild Rye	•	•	•	•	•	•	Low	•
Festuca amethystina	Sheep's Fescue	•	•	•	•	•	•	Moderate	
Festuca glauca	Blue Fescue	•	•	•	•	•	•	Moderate	
Festuca idahoensis	Idaho Fescue	•	•	•	•	•	•	Moderate	•
Festuca mairei	Maire's Fescue	•	•	•	•	•	•	Moderate	
Festuca muelleri	Mueller's Fescue	•	•	•	•	•	•	Moderate	
Festuca ovina	Sheep Fescue	•	•	•	•	•	•	Moderate	
Festuca "Siskiyou Blue"	Siskiyou Blue Fescue	•	•	•	•	•	•	Low	
Helictotrichon sempervirens	Blue Oat Grass	•	•	•	•	•	•	Moderate	
Imperata cylindrica	Blood Grass	•	•	•	•	•	•	Moderate	
Juncus acutus	Spiny Rush	•	•	•	•	•	•	Moderate	•
Juncus aquatic spp. (native and non-native spp.)	Rush	•	•	•	•	•	•	Moderate	•
Juncus effusus	Softrush	•	•	•	•	•	•	Moderate	•
Juncus patens	California Grey Rush	•	•	•	•	•	•	Low	•
Leymus arenarius	Sand Ryegrass	•	•	•	•	•	•	Moderate	
Melica imperfecta	Coast Range Onion Grass	•	•	•	•	•	•	Moderate	•
Miscanthus sinensis	Eulalia Grass	•	•	•	•	•	•	Moderate	
Miscanthus transmorrisonensis	Evergreen Eulalia	•	•	•	•	•	•	Moderate	
Muhlenbergia capillaris	Hairy Awn Muhly	•	•	•	•	•	•	Low	
Muhlenbergia dumosa	Bamboo Muhly	•	•	•	•	•	•	Low	
Muhlenbergia lindheimeri	Lindheimer Muhly	•	•	•	•	•	•	Moderate	
Muhlenbergia rigens	Deer Grass	•	•	•	•	•	•	Moderate	•
Nassella gigantea	Giant Needle Grass	•	•	•	•	•	•	Low	
Phalaris spp.	Ribbon Grass	•	•	•	•	•	•	Moderate	
Sesleria spp.	Moor Grass	•	•	•	•	•	•	Moderate	
Sisyrinchium bellum	Blue-Eyed Grass	•	•	•	•	•	•	Very Low	•
Sisyrinchium californicum	Golden-Eyed Grass	•	•	•	•	•	•	Moderate	•
Sporobolus airoides	Alkalai Sacaton	•	•	•	•	•	•	Low	•









Botanical Name	Common Name	Residential	Streetscapes	Entries	Commercial	Parks	Drainage Basins	Water Use	Native
Sporobolus wrightii	Big Sacaton	•	•	•	•	•	•	Low	•
Stipa cernua (Nassella cernua)	Nodding Needlegrass	•	•	•	•	•	•	Very Low	•
Stipa comata	Needle And Thread Grass	•	•	•	•	•	•	Low	•
Stipa lepida (Nassella lepida)	Foothill Needlegrass	•	•	•	•	•	•	Very Low	•
Stipa pulchra (Nassella pulchra)	Purple Needlegrass	•	•	•	•	•	•	Very Low	•
Stipa tenuissima (Nassella tenuissima)	Mexican Feather Grass	•	•	•	•	•	•	Low	
Zoysia tenuifolia	Korean Grass	•	•	•	•	•	•	Moderate	
GROUNDCOVER									
Acacia redolens	Prostrate Acacia	•			•	•	20 12	Low	
Achillea millefolium (non-native hybrids)	Yarrow (Non- Native Hybrids)	•		•				Low	
Achillea millefolium (CA native cultivars)	Yarrow	•		•				Low	•
Achillea tomentosa	Woolly Yarrow	•					•	Moderate	
Ajuga reptans (shade)	Carpet Bugle	•						Moderate	
Aptenia cordifolia	Ice Plant (Aptenia)	•	•	•	•			Low	
Aptenia "Red Apple"	Ice Plant (Red Apple)	•	•	•	•			Low	
Arctostaphylos edmundsii "Bert Johnson"	Bert Johnson Manzanita	•					•	Moderate	•
Arctostaphylos edmundsii "Big Sur"	Big Sur Manzanita	•						Low	•
Arctostaphylos edmundsii cvs	Manzanita Carmel Sur Etc.	•						Low	•
Arctostaphylos "Emerald Carpet"	Emerald Carpet Manzanita	•		•			•	Moderate	•
Arctostaphylos hookeri "Monterey Carpet"	Monterey Carpet Manzanita	•		•				Low	•
Arctostaphylos "Pacific Mist"	Pacific Mist Manzanita	•						Low	•
Arctostaphylos "Winterglow"	Winter Glow Manzanita	•					•	Moderate	•
Armeria maritima	Sea Pink	•	•	•	•	•		Moderate	•
Baccharis pilularis cvs.	Dwarf Coyote Brush	•	•	•	•	•		Low	•
Berberis aquifolium var. repens (shade)	Creeping Mahonia	•						Low	•
Campanula spp.	Bell Flower	•	•	•	•			Moderate	









Botanical Name	Common Name	Residential	Streetscapes	Entries	Commercial	Parks	Drainage Basins	Water Use	Native
Campanula poscharskyana	Serbian Bell	•	•	•	•			Moderate	
Ceanothus gloriosus spp.	Flower Ceanothus	•	•	•	•	•		Moderate	•
Ceanothus gloriosus "Emily Brown"	Emily Brown Ceanothus	•	•	•	•	•		Moderate	•
Ceanothus gloriosus "Heart's Desire"	Heart's Desire Ceanothus	•	•	•	•	•		Moderate	•
Ceanothus gloriosus v. porrectus "Mt. Vision"	Mt. Vision Ceanothus	•	•	•	•	•		Moderate	•
Ceanothus maritimus "Frosty Dawn"	Frosty Dawn Ceanothus	•						Low	•
Ceanothus maritimus "Popcorn"	Popcorn CA Lilac	•						Low	•
Ceanothus maritimus "Pt. Sierra"	Pt Sierra Ceanothus	•						Low	•
Ceanothus maritimus "Valley Violet"	Valley Violet Ceanothus	•						Low	•
Ceanothus thyrsiflorus var griseus "Carmel Creeper"	Carmel Creeper Ceanothus	•						Moderate	•
Ceanothus thyrsiflorus var. griseus "Diamond Heights"	Diamond Heights Ceanothus	•						Moderate	•
Ceanothus thyrsiflorus var. griseus "Yankee Point"	Yankee Point Ceanothus	•						Moderate	•
Cerastium tomentosum	Snow In Summer	•			•			Moderate	
Convolvulus mauritanicus	Ground Morning Glory	•					•	Low	
Coprosma petriei "Verde Vista"	Verde Vista Coprosma	•			•			Moderate	
Cotoneaster dammeri var.	Cotoneaster	•						Moderate	
Dichondra micrantha	Dichondra	•	•	•	•			Moderate	
Dichondra sericea	Silver Leaf Pony's Foot	•	•	•	•			Moderate	
Dymondia margaretae	Dymondia	•	•	•	•	•		Low	
Eschscholzia californica (annual in the desert)	California Poppy	•	•	•			•	Very Low	•
Euonymus fortunei	Purple Winter Creeper	•						Moderate	
Fragaria spp. (CA native and non-natives species)	Strawberry	•	•	•	•	•		Moderate	•
Gazania spp.	Gazania	•	•	•	•	•		Moderate	
Geranium spp.	Cranesbill	•	•	•	•			Moderate	
Hypericum calycinum	Aaron's Beard	•						Moderate	
Isotoma axillaris	Rock Isotoma	•						Moderate	
Lampranthus spp.	Ice Plant (Lampranthus)	•	•	•	•			Low	









Botanical Name	Common Name	Residential	Streetscapes	Entries	Commercial	Parks	Drainage Basins	Water Use	Native
Lantana camara	Lantana	•	•	•	•	•		Low	
Lantana hybrids	Hybrid Lantana	•	•	•	•	•		Low	
Lantana montevidensis (sellowiana)	Trailing Lantana	•	•	•	•	•		Low	
Lantana "New Gold"	New Gold Lantana	•	•	•	•	•		Low	
Muehlenbeckia axillaris	Creeping Wire Vine	•						Moderate	
Myoporum parvifolium	Myoporum	•	•	•	•			Low	
Myoporum X "Pacificum"	Pacifica Saltbush	•	•	•	•		•	Moderate	
Osteospermum spp.	African Daisy	•	•	•	•	•		Low	
Parthenocissus henryana	Silver Vein Creeper	•			•			Moderate	
Pelargonium peltatum	Ivy Geranium	•			•	•		Moderate	
Rosmarinus	Trailing Rosemary	•	•	•	•	•		Low	
Salvia "Bee's Bliss"	Bee's Bliss Sage	•	•	•		•		Low	•
Salvia "Dara's Choice"	Sonoma Sage	•	•	•		•		Low	•
Salvia "Mrs. Beard"	Mrs. Beard Sage	•	•	•		•		Low	•
Scaevola "Mauve Clusters"	Fan Flower	•	•	•				Moderate	
Thymus spp.	Thyme	•	•	•	•	•		Moderate	
Trachelospermum asiaticum	Asian Star Jasmine	•	•	•	•	•		Moderate	
Verbena peruviana	Peruvian Verbena	•	•	•	•			Low	
Vinca minor	Periwinkle	•	•	•	•		•	Moderate	
VINES									
Antigonon leptopus	Coral Vine	•	•	•	•			Low	
Asarina antirrhiniflora	Snapdragon Vine	•	•	•	•			Low	
Beaumontia grandiflora	Easter Lily Vine	•	•	•	•			Moderate	
Bignonia capreolata	Cross Vine	•	•	•	•			Moderate	
Bougainvillea spp.	Bougainvillea	•	•	•	•	•		Low	
Cissus antarctica	Kangaroo Vine	•	•	•	•			Moderate	
Clematis armandii	Evergreen Clematis	•	•	•	•			Moderate	
Clematis lasiantha	Pipestem Clematis	•	•	•	•			Low	•
Clematis ligusticifolia	Western Virgin's Bower	•	•	•	•			Low	•
Clematis pauciflora	Small Flowered Clematis	•	•	•	•			Low	•
Clytostoma callistegioides	Violet Trumpet Vine	•	•	•	•		•	Moderate	

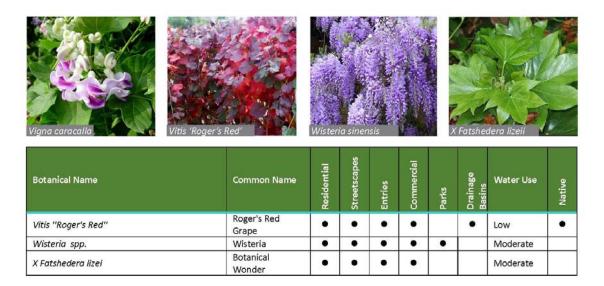






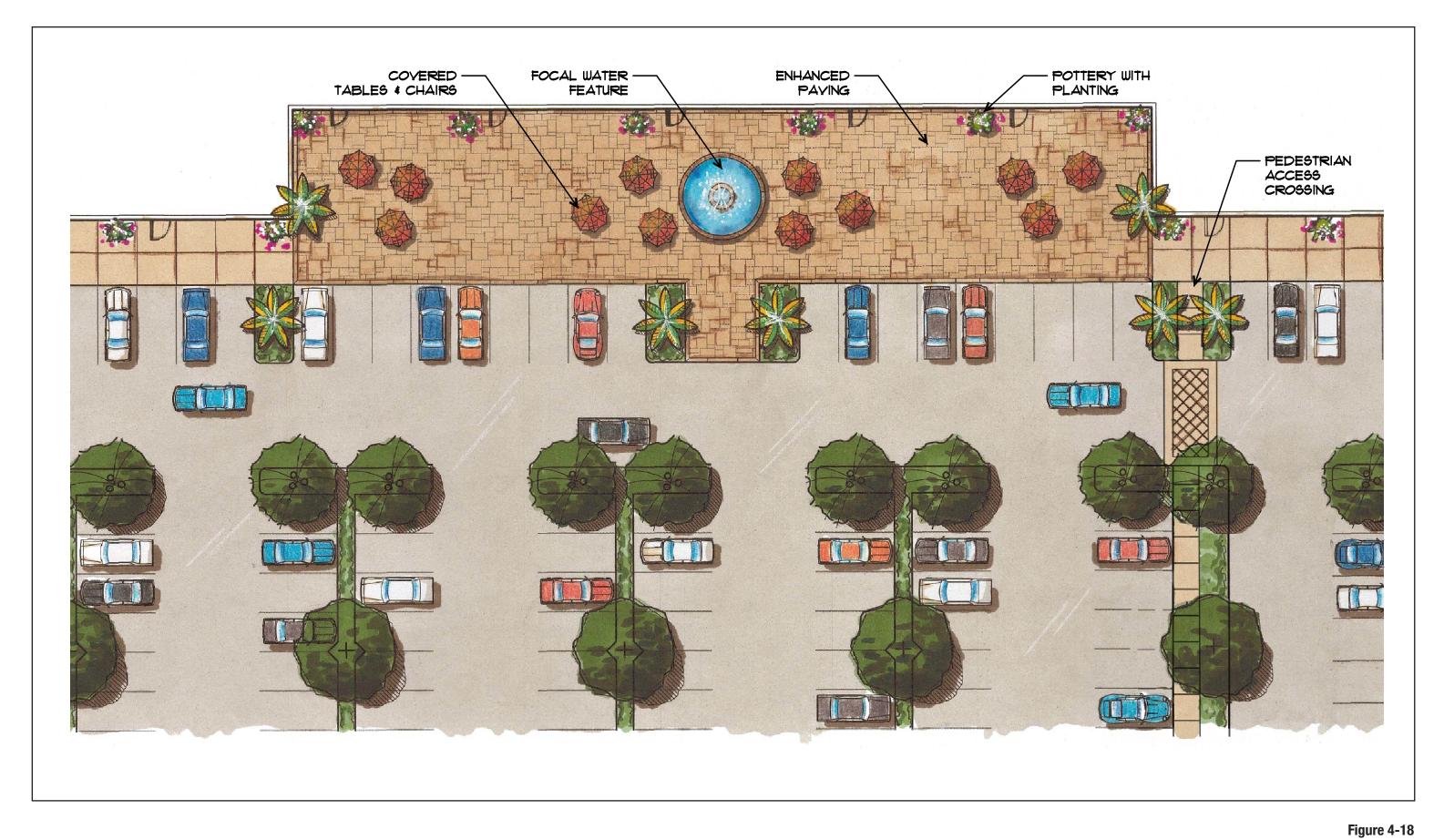


Botanical Name	Common Name	Residential	Streetscapes	Entries	Commercial	Parks	Drainage Basins	Water Use	Native
Distictis buccinatoria	Blood Red Trumpet Vine	•	•	•	•	•		Moderate	
Distictis "Rivers"	Royal Trumpet Vine	•	•	•	•	•		Moderate	
Euonymus fortunei radicans	Winter Creeper	•	•	•	•			Moderate	1
Fallopia baldschuanica (Polygonum aubertii)	Fleeceflower	•	•	•	•			Low	
Ficus pumila (repens)	Creeping Fig	•	•	•	•	•		Moderate	
Gelsemium sempervirens	Carolina Jessamine	•	•	•	•			Moderate	
Grewia occidentalis	Lavender Star Flower	•	•	•	•			Moderate	
Hardenbergia comptoniana	Western Australia Coral Pea	•	•	•	•			Moderate	
Hardenbergia violacea	Lilac Vine	•	•	•	•	•		Moderate	
Hedera canariensis	Algerian Ivy	•	•	•	•		•	Moderate	
Hedera helix	English Ivy	•	•	•	•			Moderate	
Hibbertia scandens	Guinea Gold Vine	•	•	•	•	•		Moderate	
Jasminum polyanthum	Pink Jasmine	•	•	•	•	•		Moderate	
Lonicera spp.	Honeysuckle	•	•	•	•			Moderate	•
Macfadyena unguis-cati	Cat's Claw	•	•	•	•			Low	
Mandevilla laxa (M. suavelolens)	Chilean Jasmine	•	•	•	•			Moderate	
Pandorea jasminoides	Bower Vine	•	•	•	•			Moderate	
Parthenocissus quinquefolia	Virginia Creeper	•	•	•	•			Moderate	
Parthenocissus tricuspidata	Boston Ivy	•	•	•	•	•		Moderate	
Passiflora spp.	Passion Vine	•	•	•	•		•	Moderate	
Pyrostegia venusta	Flame Vine	•	•	•	•	•		Moderate	
Rosa banksiae	Lady Banks Rose	•	•	•	•			Moderate	
Rosa hybrids	Climbing Roses	•	•	•	•			Moderate	
Solandra maxima	Cup-Of-Gold Vine	•	•	•	•			Moderate	
Solanum laxum (jasminoides)	Potato Vine	•	•	•	•			Moderate	
Stephanotis floribunda	Madagascar Jasmine	•	•	•	•			Moderate	
Thunbergia spp.	Black Eyed Susan	•	•	•	•			Moderate	
Trachelospermum asiaticum	Asian Star Jasmine	•	•	•	•			Moderate	
Trachelospermum jasminoides	Star Jasmine	•	•	•	•			Moderate	
Vigna caracalla	Snail Vine	•	•	•	•			Moderate	
Vitis californica	California Wild Grape	•	•	•	•		•	Low	•
Vitis girdiana	Desert Grape	•	•	•	•			Low	•



### 4.5 <u>Commercial Plaza</u>

A pedestrian-scale plaza brings an inviting feel to the commercial center by providing space for shoppers and workers to rest and congregate. This area can also be used for outdoor dining, as well as space for special events. A concept plan for the Commercial Plaza is depicted on Figure 4-18, Commercial Plaza Concept, with the overall Commercial Concept depicted on Figure 4-19.



# **Commercial Plaza Concept**



**Commercial Concept** 

☐ Feet

### 5 SUSTAINABLE GUIDELINES

### 5.1 Introduction

One of the goals of the Rancho Palma Specific Plan is to provide a quality development that is designed to limit the use of unrenewable resources. This chapter provides a menu of options that can be utilized to provide a more sustainable project in all facets of the development.

### 5.2 Green Infrastructure

- 1. Use pervious paving materials wherever possible to reduce the negative effects of stormwater runoff and to facilitate groundwater recharge.
- 2. Consider open grid paving such as dual track driveways in the residential neighborhood for localized drainage.
- 3. Divert runoff into detention basins to allow water recharge, reduce drainage runoff, and control the rate of storm flows from the site.
- 4. Encourage the use of stormwater management practices such as the incorporation of infiltration basins and bioswales.
- 5. When feasible promote dual uses for detention basins for recreation purposes.
- 6. Utilize bioswales, particularly with native or drought- tolerant grasses, to collect and filter water runoff.

### 5.3 <u>Landscaping</u>

- 1. Plant selection shall be based on species that are native, drought tolerant, heat resistant, and hardy.
- 2. Prohibit the use of large turf areas in landscaping by substituting waterconserving native groundcovers or perennial grasses, shrubs, and trees.
- 3. For common landscape areas, install Evapo Transpiration based controllers which are weather based controllers providing greater efficiency.
- 4. Promote the use of mulch and environmentally friendly fertilizers to promote healthy soil condition for healthy growing conditions.
- 5. Provide landscaping for shade and micro climate control.
- 6. Provide a landscape palette that includes only non-evasive plants.
- 7. Encourage the use of deciduous trees to allow sunlight during the winter.
- 8. Install high efficiency, xeriscape irrigation systems to reduce the amount of water devoted to landscaped areas, such as drip and bubbler irrigation and low-angle, low-flow nozzles on spray heads.
- 9. To reduce the amount of water used, install programmed automated irrigation systems.
- 10. Utillize moisture sensors and other similar irrigation technology to ensure that landscaping is watered only as needed.

### 5.4 Building Materials

- 1. Consider using 20 percent locally manufactured and produced building materials, defined as materials manufactured or produced within 500 miles of the project.
- 2. Strive to use rapidly renewable or recycled building materials and products for at least 5 percent of the total value of materials. Flooring alternatives like bamboo, wheatboard, and cork are rapidly renewable materials. Linoleum, exposed concrete, and recycled- content ceramic tiles are also desirable materials.
- 3. Encourage the installation of insulation with at least 75 percent recycled content, such as cellulose, newspaper, or recycled cotton.

### 5.5 <u>Indoor Air Quality</u>

- 1. Use flooring and insulation products that are low emitters of volatile organic compounds (VOC) and formaldehyde.
- 2. Use low- and zero-VOC paints, finishes, adhesives, caulks, and other substances to improve indoor air quality and reduce the harmful health effects of off-gassing.
- 3. In compliance with Air Quality Management District Rule 445, new homes are prohibited from permanently installing wood- burning devices unless: they are Environmental Protection Agency (EPA) Phase II-Certified, pellet-fueled, masonry heaters; meet US EPA emission standards, or are dedicated gaseous-fueled fireplaces.

### 5.6 <u>Lighting</u>

- 1. Encourage the use of low-contrast lighting and use low-voltage fixtures and energy-efficient bulbs, such as compact fluorescent and light emitting diode bulbs
- 2. Promote the use automated occupancy sensors in nonresidential buildings that automatically shut off lights when rooms are unoccupied.
- 3. Utilize solar landscape lights for energy saving when possible.
- 4. Use shielded fixtures, avoiding overhead lighting of areas such as walkways.

### 5.7 <u>Building Envelope</u>

- 1. Install radiant barriers to reduce summer heat gain and winter heat loss.
- 2. Reduce the amount of energy needed for cooling by using natural ventilation techniques, such as operable windows, to take advantage of airflow for cooling interiors.
- 3. As practical, design taller windows that start close to the ceiling to optimize daylighting of interiors.
- 4. Reduce heat gain with the use of "cool roofs," at the commercial center which are painted with a highly reflective coating or employ light-colored materials.

- 5. Utilize water- and energy-saving fixtures and appliances, such as showerheads, toilets, washing machines, clothes dryers, refrigerators, and dishwashers certified as Energy Star compliant.
- 6. Consider recirculating hot water systems to reduce the need to heat water, or tankless water heaters that heat water as needed instead of storing hot water in tanks, thus reducing standby energy use.
- 7. To reduce the need of additional heating and cooling, utilize a minimum insulation value of R30 in ceilings.
- 8. To provide for more efficient and effective heating and cooling, utilize programmable thermostats.

### 5.8 <u>Water Conservation</u>

- 1. Use low-water-consumption, Energy Star-compliant appliances and fixtures to reduce water consumption
- 2. For the commercial area, install sensor-operated faucets in public restrooms.
- 3. Utilize dual flush or other toilets using less than 1.6 gallons per flush.
- 4. Consider waterless urinals in public restrooms in nonresidential buildings.

### 5.9 <u>Energy Conservation</u>

- 1. To reduce energy used, utilize energy-efficient windows, such as models with spectrally selective low-e glass and with wood, vinyl, or fiberglass frames.
- 2. Utilize efficient building materials that take advantage of heat storage or thermal mass to reduce energy needed for heating and cooling interiors.
- 3. Promote reduced energy used by installing energy saving appliances and fixtures.
- 4. To reduce heat gain, minimize the number and area of east and west facing windows.
- 5. To reduce the amount of heat loss, domestic hot water pipes should be insulated.
- 6. To reduce both the need of cooling and heating, attics should be insulated.
- 7. To provide for more efficient windows, dual pane and window tinting should be considered.

### 5.10 <u>Heating, Ventilation and Air Conditioning</u>

- 1. Design and install HVAC systems according to the standards provided by the Air Conditioning Contractors of America handbooks or other comparable high-performance HVAC standards.
- 2. Install sealed-combustion/sealed-duct furnaces and water heaters for increased efficiency and indoor air quality.

- 3. Install only EnergyStar–qualified ceiling fans to circulate air, improve comfort, and reduce the demand on heating and cooling systems.
- 4. Locate windows and provide operable windows to promote natural cross ventilation.
- 5. Promote smart climate controls for both residential and commercial buildings to efficiently regulate temperature controls.

### 5.11 Solar Power and Building Orientation

- 1. Provide additional roof structure to support solar panels.
- 2. Provide south facing roof planes to optimize solar use.
- 3. Encourage overhangs to shade and protect windows from direct sunlight.

### 6 IMPLEMENTATION

### 6.1 Authority and Scope

The adoption of the Rancho Palma Specific Plan by the City of San Bernardino is authorized by the California Government Code, Title 7, Division 1, Chapter 3, Article 8, Sections 65450 through 65457. As set forth by the Government Code and the City of San Bernardino Development Code, Chapter 19.64, Specific Plans must contain the information outlined below in either text and/or exhibits. References to the location of this information within the Rancho Palma Specific Plan are shown in **bold**.

- The distribution, location, and extent of the uses of land, including open space, within the area covered by the plan. (Chapter 2)
- The proposed distribution, location, extent and intensity of major components of public and private transportation, sewage, water drainage, solid waste disposal, energy, and other essential facilities proposed to be located within the area covered by the plan and needed to support the land uses described in the plan. (Chapter 2)
- Standards and criteria by which development will proceed, and standards for the conservation, development, and utilization of natural resources where applicable. (Chapter 3)
- A program of implementation measures including regulations, public works projects, and financing measures necessary to carry out the above items. (Chapter 6)
- A statement of the relationship of the specific plan to the General Plan. (Chapter 7) The Rancho Palma Specific Plan serves both a planning function and a regulatory function. It is the device, which implements the City of San Bernardino General Plan on this property. The plan contains all applicable land use regulations and constitutes the zoning for the Rancho Palma property; the development standards contained in the Specific Plan will take precedence over any other provisions of the Municipal Code. However, where the Specific Plan remains silent, the regulations of the San Bernardino Development Code shall apply.

### 6.2 Purpose of the Specific Plan

Development of the Rancho Palma property will be achieved through the adoption and implementation of this Specific Plan, which will serve as the comprehensive development control document for the project. The Specific Plan establishes the type, location, intensity, character of development, and the required infrastructure for development of the proposed Planned Community.

The Rancho Palma Specific Plan accommodates the unique planning opportunities related to providing a quality development of needed housing, recreation, and commercial uses for the City of San Bernardino's Verdemont Heights Community.

The Rancho Palma Specific Plan is a regulatory plan, which will serve as the zoning ordinance for this property. Proposed development plans or agreements, tentative tract maps or parcel maps and any other development approval must be consistent

with this Specific Plan. If there is a conflict found between this Specific Plan and other provisions the City's Zoning Ordinance, the contents of this Specific Plan shall prevail.

### 6.3 Relationship of the Specific Plan to the General Plan

Pursuant to California Government Code Section 65454, a specific plan shall be consistent with the local jurisdiction's General Plan. The Rancho Palma Specific Plan provides regulations, guidelines, and standards that are consistent with and implement the goals and policies of the City of San Bernardino General Plan. Consistency with the City's General Plan is demonstrated in Chapter 7. Rancho Palma components, which are found to be consistent with the Specific Plan, shall be deemed consistent with the General Plan.

### 6.4 California Environmental Quality Act (CEQA) Compliance

The Rancho Palma Specific Plan Environmental Impact Report (EIR) was prepared by the City of San Bernardino during the adoption process for the Specific Plan in compliance with CEQA. This document addresses the environmental aspects of the site and impacts due to the implementation of the Specific Plan.

This environmental review is also applicable to future residential and commercial development projects (Precise Plans, Tentative Tract Maps, etc.), which are processed in conformance with this Specific Plan, thus requiring no further environmental documentation except as noted in Sections 15182 and 15162 of the State Guidelines to CEOA.

### 6.5 Amendments

### 6.5.1 Requirements and Procedures

This Specific Plan may be amended at any time in the same manner and by the same process by which the plan was originally adopted, as described in Chapter 19.64, Specific Plans, of the City of San Bernardino Development Code. The City's standard environmental review procedures shall be followed.

### 6.5.2 Administrative Actions

Certain minor changes to provisions in the Specific Plan may be made administratively by the Director of Development Services, subject to appeal to the Planning Commission and subsequently, the City Council. Such amendments do not require additional environmental review. These changes include but are not limited to:

- 1. The addition of new information to the Specific Plan maps or text that does not change the effect of any concepts or regulations.
- 2. Changes to the community infrastructure, such as drainage, streets, water, and sewer systems which do not have the effect of increasing or decreasing development capacity in the Specific Plan area, nor change the concepts of the Specific Plan.

- 3. Boundary adjustments, easement locations, and minor design feature changes.
- 4. Minor land use district boundary adjustments.
- 5. Land use area acreage adjustments for acreages shown on the Land Use Plan Summary Table by no more than fifteen percent of the affected area.
- 6. Other items determined to be appropriate by the Director of Development Services.

### 6.6 **Severability**

If any provision of this Specific Plan or the application thereof to any persons or circumstances is held invalid, such invalidity shall not affect other provisions or applications of this Specific Plan, which can be given effect without the invalid provisions or application thereof, and to this end, the provisions of this Specific Plan are severable.

### 6.7 <u>Effect on Conflicting Provisions</u>

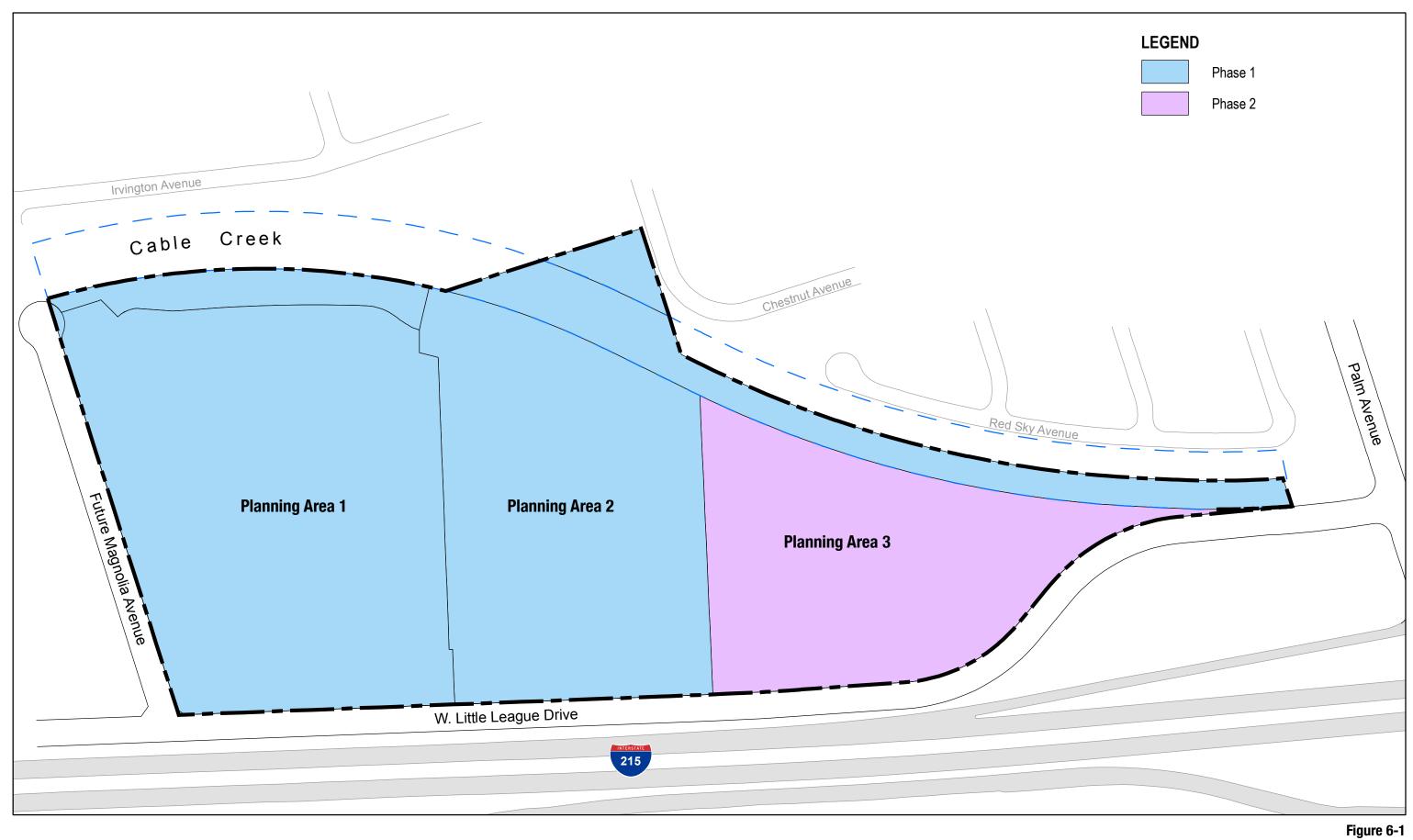
Whenever the provisions of this Specific Plan permit greater flexibility than, or establish regulations different than those imposed or required by the San Bernardino Development Code, the provisions of this Specific Plan shall prevail.

### 6.8 Phasing

It is intended that the Rancho Palma Specific Plan will be constructed in two phases. Phase 1 will include Planning Areas 1 and 2, as well as the private parks, and dedication of the Ronald Reagan Park expansion to the City of San Bernardino. Phase 2 will include Planning Area 3. Figure 6-1, Phasing Plan, depicts the proposed Phasing Plan. This phasing does not preclude the ability to construct all of the backbone infrastructure in the first phase, nor does it preclude the ability to develop Phases 1 and 2 simultaneously.

### 6.9 Maintenance

Rancho Palma Homeowners Association will be created. This association will be responsible for the maintenance of the private streets, private parks, gate access, walls/fences, and drainage basin.



## **Phasing Plan**

### 7 APPENDICES

### 7.1 General Plan Consistency Analysis

The Rancho Palma Specific Plan serves as the implementation tool for the City of San Bernardino General Plan for this property. Below is a discussion of how this Specific Plan implements the goals of the General Plan. *The General Plan goals are bold and italicized.* 

### 7.1.1 Land Use Goals

### 2.1 Preserve and enhance San Bernardino's unique neighborhoods.

The Rancho Palma Land Use Plan is designed to be compatible with the surrounding residential and commercial uses within the Verdemont Heights Community.

## 2.2 Promote development that integrates with and minimizes impacts on surrounding land uses.

The residential uses proposed are separated from the adjacent existing residential uses by the Cable Creek Channel.

## 2.3 Create and enhance dynamic, recognizable places for San Bernardino's residents, employees, and visitors.

The Specific Plan Design Guidelines provide for the creation of unique, quality residential and commercial development.

# 2.4 Enhance the quality of life and economic vitality in San Bernardino by strategic infill of new development and revitalization of existing development.

Rancho Palma is an infill development on a previously disturbed site.

### 2.5 Enhance the aesthetic quality of land uses and structures in San Bernardino.

The Specific Plan Design Guidelines provide for the creation of unique, quality residential and commercial development.

### 7.1.2 Housing Goals

# Goal 3.1 Facilitate the development of a variety of types of housing to meet the needs of all income levels in the City of San Bernardino.

Rancho Palma provides for two residential lot sizes and corresponding living areas to meet the needs a variety of income levels and resident lifecycles.

### 7.1.3 Economic Development Goals

## Goal 4.1 Encourage economic activity that capitalizes upon the transportation and locational strengths of San Bernardino.

The commercial component of the Specific Plan takes advantage of the site's proximity to the Interstate 215 / Palm Avenue interchange.

### 7.1.4 Community Design Goals

Goal 5.3 Recognize unique features in individual districts and neighborhoods and develop a program to create unifying design themes to identify areas throughout the City.

The Specific Plan Design Guidelines provide for the creation of unique, quality residential and commercial development.

### Goal 5.4 Ensure individual projects are well designed and maintained.

The Specific Plan Design Guidelines provide for the creation of unique, quality residential and commercial development and the residential homeowners association will be responsible for the maintenance of the private streets, parks, and gate houses.

### Goal 5.5 Develop attractive, safe, and comfortable single family neighborhoods.

The Specific Plan Design Guidelines provide for the creation of unique, quality residential development.

## Goal 5.7 Develop attractive and safe commercial, office, and industrial projects that are creatively designed and intelligently sited.

The Specific Plan Design Guidelines provide for the creation of unique, quality commercial development.

### 7.1.5 Circulation Goals

### Goal 6.1 Provide a well-maintained street system.

The interior local roads will be maintained by the Rancho Palma homeowners association.

### 7.1.6 Parks, Recreation, and Trails Goals

Goal 8.1 Improve the quality of life in San Bernardino by providing adequate parks and recreation facilities and services to meet the needs of our residents.

The Rancho Palma Specific Plan provides for a variety of private parks, as well as the expansion of the existing Ronald Reagan Park.

## Goal 8.4 Provide adequate funding for parkland and trails acquisition, improvements, maintenance, and programs.

The private parks will be improved by the developer and maintained by the homeowners association. The Ronald Reagan expansion parcel will be dedicated to the City of San Bernardino.

#### 7.1.7 Utilities Goals

Goal 9.1 Provide a system of wastewater collection and treatment facilities that will adequately convey and treat wastewater generated by existing and future development in the City's service area.

The Rancho Palma Specific Plan provides for the creation of a wastewater system that will tie into existing facilities.

Goal 9.3 Provide water supply, transmission, distribution, storage, and treatment facilities to meet present and future water demands in a timely and cost effective manner.

The Rancho Palma Specific Plan provides for the creation of a water system that will tie into existing facilities.

Goal 9.4 Provide appropriate storm drain and flood control facilities where necessary.

The Rancho Palma Specific Plan provides for the creation of a drainage system that will tie into existing facilities.

Goal 9.10 Ensure that the costs of infrastructure improvements are borne by those who benefit.

The infrastructure improvements required by the Rancho Palma Specific Plan will be financed by the builder.

### 7.1.8 Safety Goals

Goal 10.5 Reduce urban run-off from new and existing development.

The Specific Plan Design Guidelines provide a variety of measures to reduce urban runoff, including a drainage basin and bio-swales.

### 7.1.9 Energy and Water Conservation Goals

Goal 13.1 Conserve scarce energy resources.

The Rancho Palma Specific Plan contains a chapter on Sustainable Guidelines to reduce energy and water use and conserve natural resources.

### 7.1.10 Noise Goals

Goal 14.1 Ensure that residents are protected from excessive noise through careful land planning.

Through site planning and constructions techniques, Rancho Palma residents will be protected from excessive noise.

### 7.2 <u>Tentative Tract Map</u>

(to be provided upon approval)