

# SOUTHWEST VILLAGE SPECIFIC PLAN

Draft | April 20265

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# ACKNOWLEDGMENTS

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# ADOPTION AND AMENDMENTS

ACTION	PLANNING COMMISSION APPROVAL		CITY COUNCIL ADOPTION	
	Date Resolution #	Report	Date Ordinance #	Resolution
Adoption of Southwest Village Specific Plan	Month ##, ####	#12345	Month ##, ####	#12345

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*INTRODUCTION*

## 1.1 – OVERVIEW

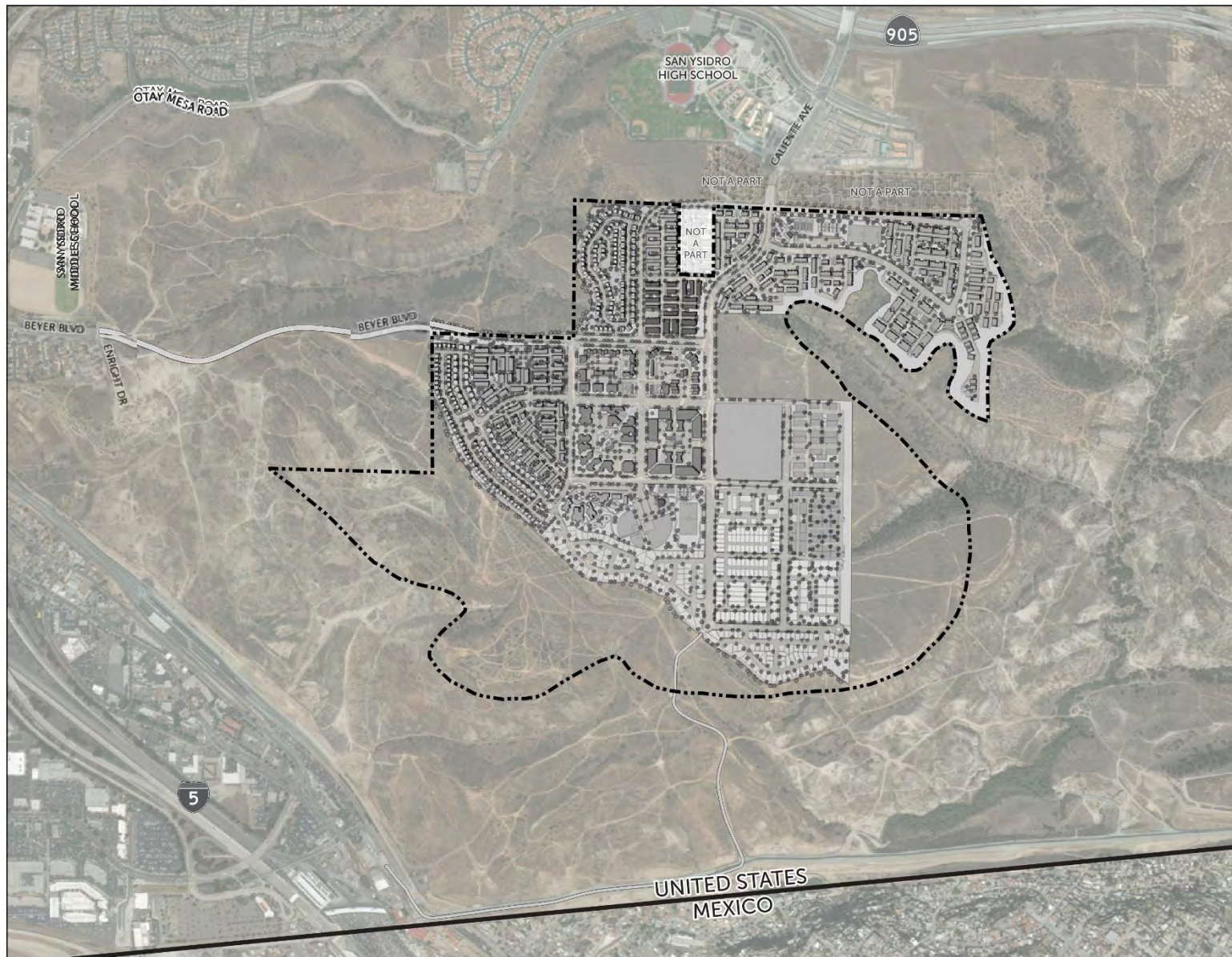
The Southwest Village Specific Plan (“Specific Plan”) ~~brings a modern~~ provides guidance for the development of a neighborhood village within the Otay Mesa community to the southernmost portion of the City of San Diego. ~~On a~~ The Otay Mesa provides with views of Mexico and the Pacific Ocean, Southwest Village strives to create a walkable community with an integrated mix of uses, a range of housing types that provide opportunity for a diversity of lifestyles, and would be served by transit ~~upon completion~~.

The ~~Southwest Village~~ Specific Plan envisions a complete community that integrates an urban mixed-use center (“Village Core”) with surrounding residential neighborhoods. Residential neighborhoods, retail, office, school, and recreational uses are designed around an interconnected grid-block development pattern through a comprehensive network of multi-modal streets and pedestrian linkages. Caliente Avenue and Beyer Boulevard are designed to connect these uses to the wider Otay Mesa community. *Figure 1.1, Southwest Village Plan Area*, shows the points of connection via Caliente Avenue and Beyer Boulevard. This gradual intensification of land uses creates a central urban experience, and the integration of urban land uses and mobility provides for a variety of living styles and mobility options. The ~~Southwest Village~~ Specific Plan sets forth urban design concepts that create a vibrant community village offering an authentic and culturally rich place to live.

The ~~Southwest Village~~ Specific Plan provides a comprehensive policy and regulatory framework that guides future development in the Southwest Village. The ~~Southwest Village~~ Specific Plan encompasses approximately 490 acres and ~~will allow~~ up to 5,130 dwelling units/homes. ~~It facilitates~~ facilitates the creation of a village anchored by up to 175,000 square feet of commercial and retail uses, ~~and it also provide~~ provides public facilities, including a location for a new school, ~~more than~~ approximately 22-35 acres of parks, a network of trails, and ~~provide~~ approximately 201-185 acres of open space and undeveloped areas throughout the community surrounding natural open space. *Figure 1.2, Southwest Village Development Concept*, highlights key components of the Southwest Village Specific Plan.

- Approximately 490 acres of land in Otay Mesa Community Area Plan
- 5,130 residential dwelling units/homes
- 175,000 square feet of commercial uses
- “Village Core” planned around future transit stop and mobility hub
- Approximately ~~2235~~ 22-35 acres of interconnected publicly-owned and privately-owned community parks, neighborhood parks, pocket parks, and mini-parks
- Approximately 6.2 acres for a future school
- ~~201~~ 185 acres of surrounding natural open space
- Connection of Caliente Avenue from Southwest Village to SR-905
- Connection of Beyer Boulevard from Southwest Village to San Ysidro

Figure 1.1 — Southwest Village Plan Area



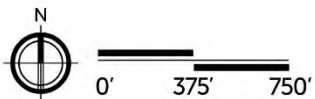
NOT TO SCALE

Figure 1.2 — Southwest Village Development Concept

- 1 Village Core
- 2 Medium-High Density Residential
- 3 Medium Density Residential
- 4 Medium-Low Density Residential
- 5 Open Space
- 6 Park
- 7 School
- 8 Caliente Ave Extension
- 9 Beyer Blvd Connection
- 10 Mobility Hub



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## 1.2 – PURPOSE AND INTENT OF THE SPECIFIC PLAN

~~This document~~The Specific Plan serves as a framework for development in the Southwest Village Specific Plan area. ~~The Southwest Village Specific Plan~~It is intended to be used by ~~residents~~community members, business and property owners, developers, designers, City staff, and ~~elected officials~~decision-makers in ~~the review of~~reviewing proposed development projects in the Specific Plan area. The Specific Plan should be used in conjunction with the goals and policies ~~contained within the General Plan, the Otay Mesa Community Plan, and the regulations in the Land Development Code (LDC), which of the General Plan, the Otay Mesa Community Plan, and the development regulations in the San Diego Municipal Code (SDMC), which together form the planning and regulatory framework and regulatory~~ for this the Specific Plan.

The Specific Plan addresses the distribution, location, and extent of land uses; infrastructure necessary to support the land use plan; criteria for natural resource preservation, and implementation that includes identification of phasing and financing mechanisms. It ~~This Specific Plan provides detailed text and exhibits describing the range~~ of land uses (residential, retail, commercial, office, mixed-use, parks, and open space), public realm, mobility network, and infrastructure that ~~will~~could occur in the Specific Plan area. It provides policies and supplemental development regulations to ensure that ~~the buildout~~development of Southwest Village occurs in a manner consistent with ~~City~~the General Plan and Otay Mesa Community Plan policies ~~and regulations~~.

- Framework to facilitate housing for a diversity of lifestyles
- Implement policies in the General Plan and Otay Mesa Community Plan
- Establish thresholds for maximum future development
- Provide supplemental development regulations
- Identify required public facilities
- Define processes and requirements for implementation

## 1.3 – OBJECTIVES

The objectives of the Specific Plan include the following:

1. Provide a comprehensive policy and regulatory framework that guides development for Southwest Village in accordance with the General Plan and Otay Mesa Community Plan.
2. Establish a development program that facilitates the implementation of housing.
3. Create a Village Core with transit access that provides a mix of uses.
4. Establish a grid network within the Village Core to provide a pedestrian-oriented experience.
5. Provide balanced residential neighborhoods with a range of housing, including attached and detached options that provide critically needed dwelling units for a variety of lifestyles.
6. Provide opportunities to create “for-sale” and “for-rent” multi-family and single-family residential units to serve a variety of income levels.
7. Connect the Village Core to residential neighborhoods and encourage pedestrian activity through a comprehensive network of sidewalks, bicycle lanes, trails, and paseos.
8. Integrate parks, paseos, trails, and other amenities that provide outdoor areas for active and passive recreation.
9. Provide for education opportunities by identifying a primary and secondary location for a school.
10. Create public spaces that enhance the community and provide central gathering areas to invite community interaction.
11. Ensure that architecture, urban design, and streetscape design create a distinct sense of place, are unique and well designed, and enhance the public realm.
12. Include street trees and landscaping as part of public spaces, edges, and streetscapes.
13. Conserve the surrounding natural environment and respond to the natural topography of the mesas and canyons, maximizing opportunities for unique public views and recreational opportunities where possible.
14. Protect regionally significant open space and sensitive biological resources within the Planning Areas.
15. Enhance the opportunities of Otay Mesa ~~as a whole~~ by building connections to transit, open space, trails, and bicycle networks.

## 1.4 – VISION

~~The Specific Plan envisions the Southwest Village is designed to include with a dense mixed-use Village Core, with and housing gradually transitioning to lower density lower-density residential uses adjacent to open space. A variety of attached and detached housing types homes will help to create promotes diverse city and creates dynamic neighborhoods that are connected by a network of bicycle facilities, sidewalks, trails, and paseos.~~

The Village Core is the activity center of the ~~community, located centrally in~~ Southwest Village. The sloping terrain provides expansive views to the south and southwest from the Village Core. ~~Similar to the image below and on the following page, N~~ neighborhood-serving commercial uses can make the Village Core an enjoyable place for pedestrians; while incorporating amenities that provide a public gathering space for the community. A potential school is included adjacent to a neighborhood park that will also offer a recreation area for the community to enjoy. Multi-family housing is integrated in the core, bringing constant activity. Bicycle paths and lanes, sidewalks, paseos, and trails offer comfortable walking and biking connections to the neighborhoods surrounding the Village Core.

These neighborhoods include a mix of multi-family and single-family housing integrated with small parks to provide common outdoor spaces within them. Homes have easy access to a trails network, and many also offer views of the canyons and open space that surround Southwest Village.

Streets in Southwest Village are designed in response to the natural topography of the mesa and provide connections between the residential neighborhoods and the Village Core. The streets include a network of sidewalks and bicycle facilities, and the Village Core includes space for a mobility hub to provide multiple mobility choices to access the heart of Southwest Village. The street network minimizes block size by allowing access at regular intervals into the neighborhoods. In addition, the streets are punctuated with mid-block access points to provide a pedestrian network centered on the Village Core with connections to parks and open space. ~~Mid-block pedestrian crossings shall comply with City Council Policy 200-07, Comprehensive Pedestrian Crossing Policy.~~



The Specific Plan envisions an **active, compact, pedestrian-scale community** with balanced residential neighborhoods connected by an interwoven mobility network and anchored by an urban mixed-use Village Core.



## 1.5 – GUIDING PRINCIPLES

Guiding principles form the backbone of the Southwest Village land use plan. They respond to the Vision for Southwest Village and serve as a framework for the development of the Southwest Village Specific Plan. Each guiding principle serves a purpose unto itself; ~~however~~ ~~however~~, as a cohesive whole, the principles will best achieve the desired future of the Southwest Village.

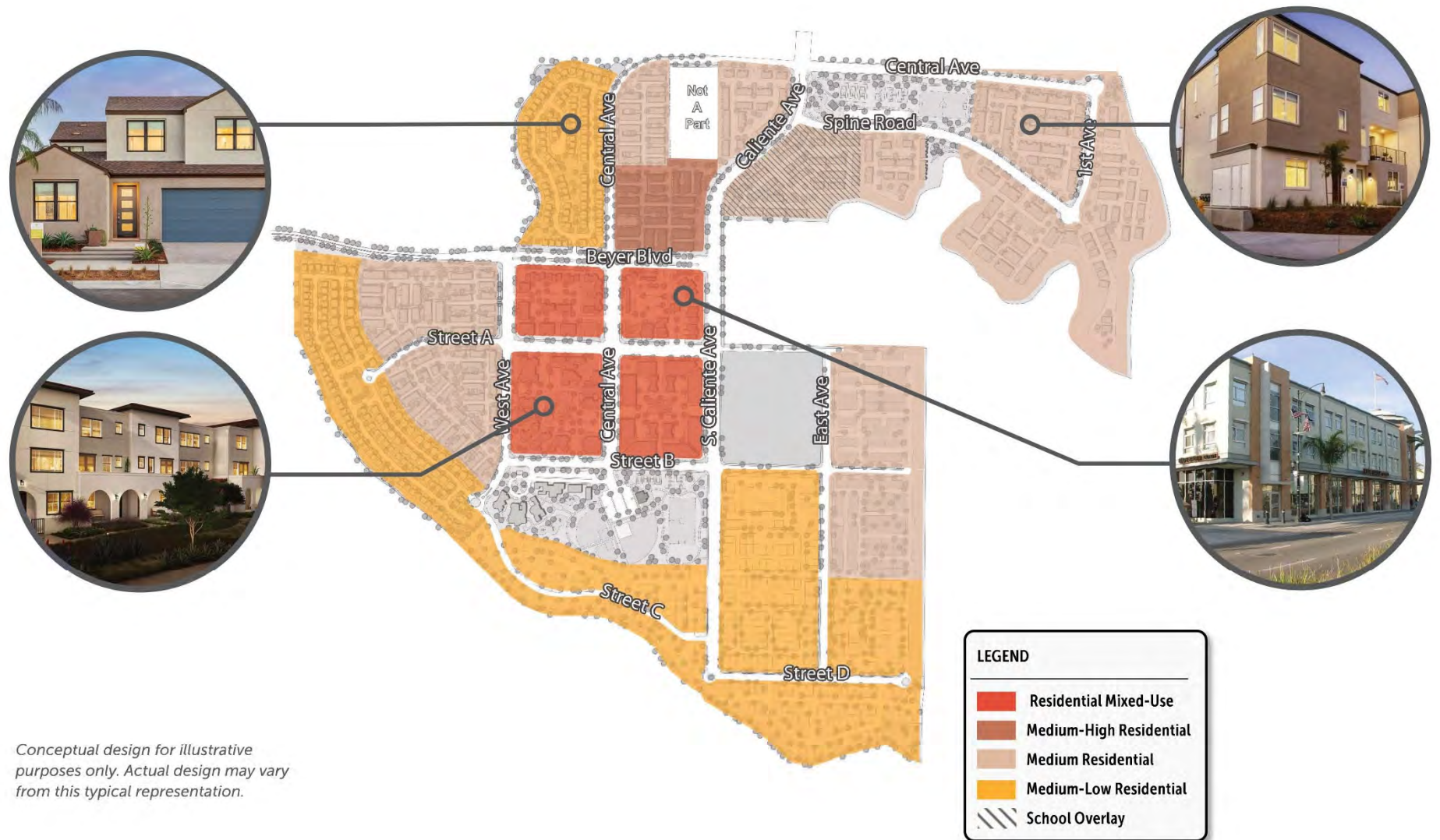


*Playa del Sol, Otay Mesa*

- No. 1** Streamlined Framework to Facilitate Housing for a Range of Lifestyles
- No. 2** Natural Resource Protection
- No. 3** Grid Network
- No. 4** Social Heart
- No. 5** Concentric Rings of Density
- No. 6** Interconnected Bicycle & Pedestrian Linkages
- No. 7** Community Recreation & Interaction
- No. 8** Public Viewsheds & Access

### 1.5.1 — Guiding Principle No. 1– Streamlined Framework

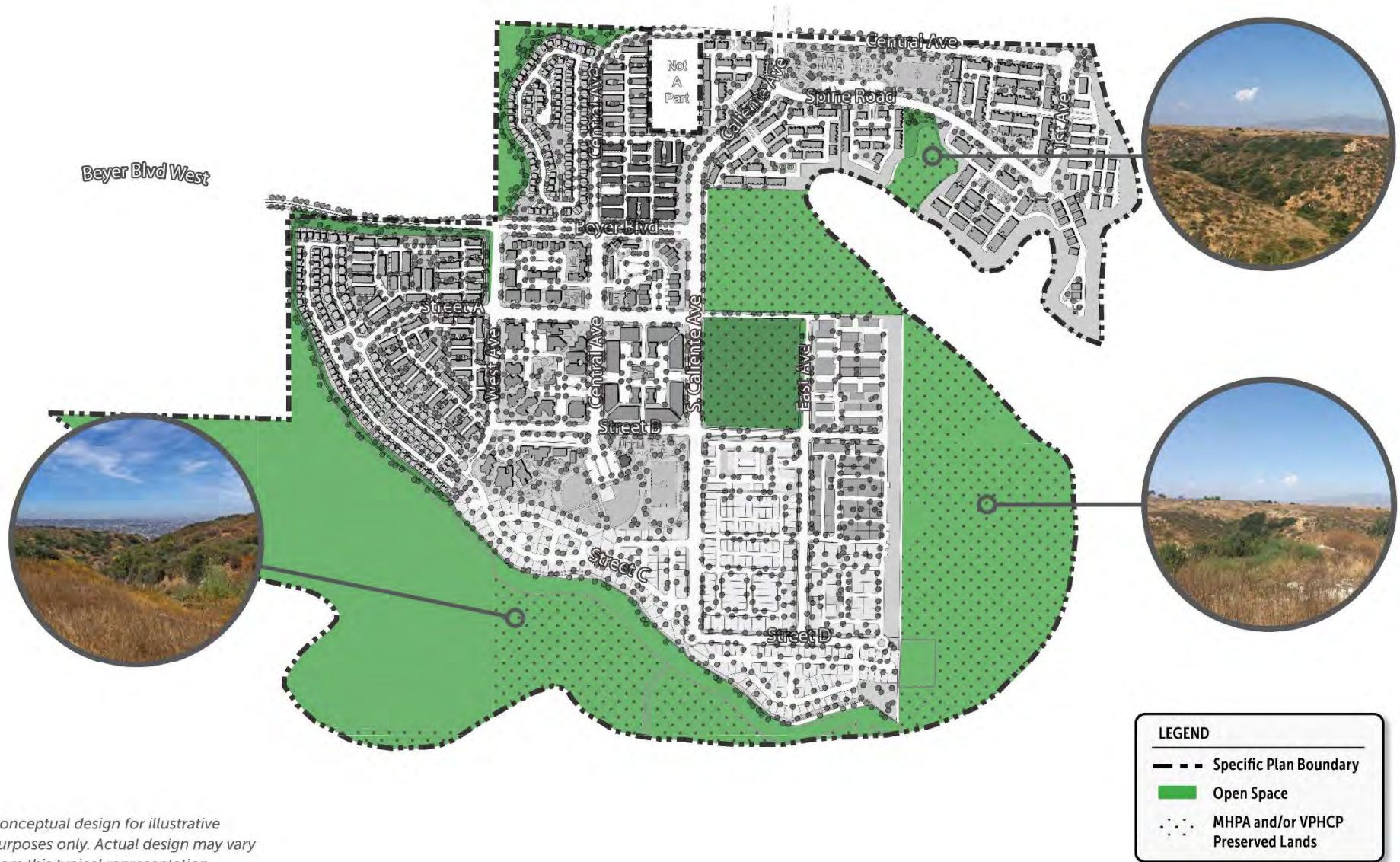
Provide a diversity of housing types, responding to the region’s critical need for a range of naturally affordable, workforce housing units.



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## 1.5.2 — Guiding Principle No. 2- Natural Resource Protection

Preserve natural open spaces.



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### 1.5.3 — Guiding Principle No. 3 – Grid Network

Establish a pedestrian-scaled walkable block pattern with small block sizes along multi-modal local and collector streets.



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### 1.5.4 — Guiding Principle No. 4 – Social Heart

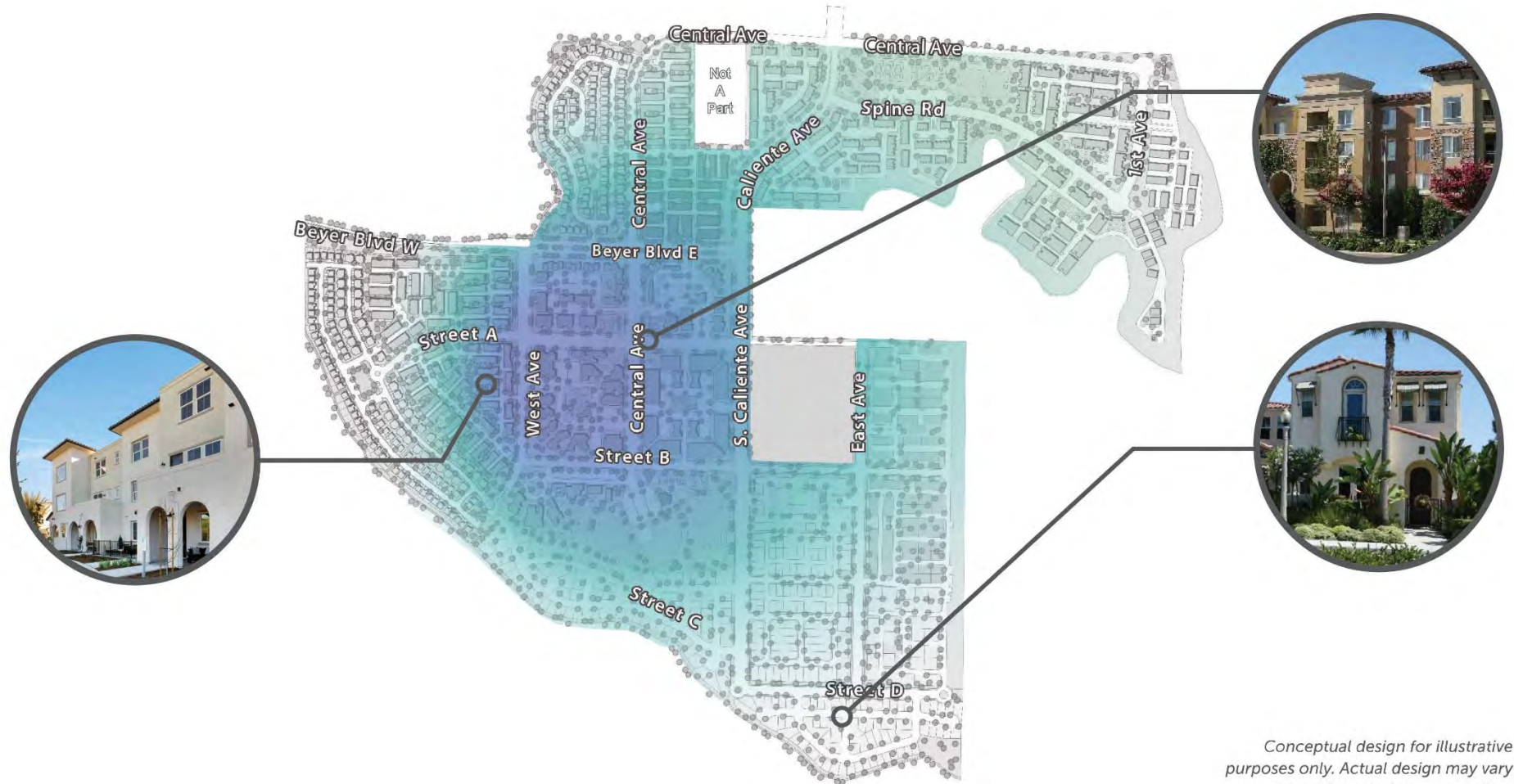
Focus neighborhood services, social amenities, and civic spaces at the center of Southwest Village in a vibrant, mixed-use, commercial-civic Village Core.



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### 1.5.5 — Guiding Principle No. 5 – Concentric Rings of Density

Develop an active, mixed-use, urban core surrounded by neighborhoods of various densities, generally decreasing in intensity toward open spaces.



### 1.5.6 — Guiding Principle No. 6 – Interconnected Bicycle & Pedestrian Linkages

Provide an interconnected bicycle and pedestrian network that connects neighborhoods to each other, the Village Core, parks, public spaces, and surrounding natural open space, and the surrounding communities.



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### 1.5.7 — Guiding Principle No. 7 – Community Recreation & Interaction

Permeate Southwest Village with interconnected opportunities for recreation and interaction through a diversity of active public spaces and amenity enhancements, including a central school, parks, a central civic plaza, trails, view corridors, and lookout vistas.



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### 1.5.8 — Guiding Principle No. 8 – Public Viewsheds & Access

Emphasize views ~~afforded~~ from the mesas and canyon edges—an uninterrupted view from the Village Core to the canyon rim and Pacific Ocean.



## 1.6 — PHYSICAL SETTING

### 1.6.1 — Location

The Southwest Village Specific Plan includes approximately 490 acres within the Otay Mesa Community Plan Area, located immediately north of the United States/Mexico international border; east of Interstate 805 (I-805); south of State Route 905 (SR-905); and west of undeveloped land and a designated community village area in Otay Mesa. The broader Otay Mesa Community Plan Area, located at the southern limit of the City of San Diego, is bordered by the San Ysidro and Otay Mesa-Nestor Community Plan Areas to the west, the City of Chula Vista and the Otay Valley Regional Park to the north, the County of San Diego unincorporated area to the east, and the United States/Mexico border and the City of Tijuana to the south. *Figure 1.3, Regional Location*, shows the location of the Southwest Village Specific Plan in the region.



*Photos of Southwest Village Specific Plan area (July 2017).*

### 1.6.2 — Existing Site Characteristics and Context

The Southwest Village Specific Plan area is located on top of a mesa and generally slopes down on all sides into finger canyons and other small drainages. While most of the land within and in the immediate vicinity of the Specific Plan area is undeveloped, the surrounding areas to the north, west, and east are developed with a mix of residential, commercial, and industrial uses and are largely urbanized.

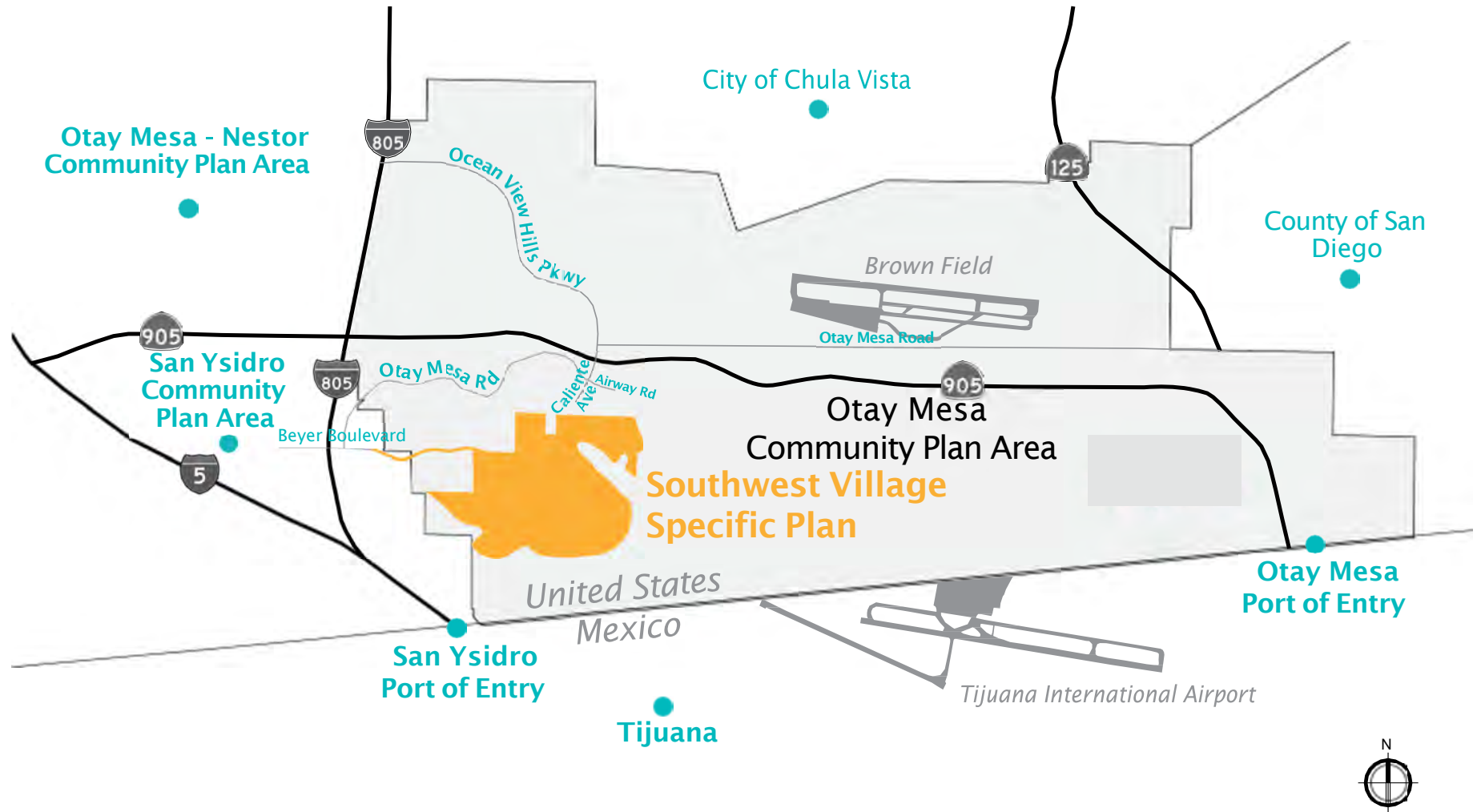
Southwest Village can be accessed from SR-905 via Caliente Ave heading south. Caliente Avenue extends for approximately one-quarter mile to the south of SR-905 before the road ends, and a dirt road continues. The Specific Plan area does not have any preexisting paved roads.

On the south side of SR-905, near the Caliente Avenue exit and north of the Specific Plan area, is the San Ysidro High School and residential neighborhoods along Old Otay Mesa Road / Airway Road. San Diego Gas and Electric (SDG&E) also has an electrical substation in the vicinity.

Two airports are located near the Specific Plan area. Brown Field Municipal Airport, operated by the City of San Diego, is approximately two miles to the northeast, and the Tijuana International Airport is approximately two miles to the southeast in Mexico.

The San Ysidro Port of Entry is to the southwest, and the Otay Mesa Port of Entry is to the southeast; and both provide vehicular and pedestrian crossing points to and from Mexico.

Figure 1.3 — Regional Location



## 1.7 — PLANNING BACKGROUND AND PROCESS

The planning process for the Southwest Village Specific Plan included a comprehensive effort offering multiple opportunities for public input and participation as well as coordination with City of San Diego staff and other stakeholders. Public input included the following components:

### 1.7.1 — Southwest Village Specific Plan Project Subcommittee

The Otay Mesa Community Planning Group (~~OMCPG~~) is an advisory body to the City of San Diego on planning issues within the Otay Mesa Community Planning Area. The Southwest Village Subcommittee was formed in 2018 by the Otay Mesa Community Planning Group and consisted of five community members.

Subcommittee meetings were held regularly and provided ample opportunity for key stakeholders, interested members of the public, and community organizations to learn more about plans for Southwest Village, share concerns, and provide feedback. Between May 2018 and December 2019, 15 subcommittee meetings were held to address the following topics: ~~land use, housing and density, design and placemaking, commercial and the Village Core, parks and public spaces, schools, connectivity and mobility, utilities and resources; housing and density; design and placemaking; commercial and the Village Core; parks and public spaces; schools; connectivity and mobility; utilities and resources;~~ and implementation. On January 15, 2020, the Southwest Village Subcommittee voted unanimously to recommend approval of the current draft Southwest Village Specific Plan. The Southwest Village Specific Plan will also go before the Otay Mesa Community Planning Group for review and recommendation later in the process.

### 1.7.2 — Southwest Village Specific Plan Website

A website was established for the Southwest Village Subcommittee and served as a dedicated resource for property owners, stakeholders, and interested parties to get more information, stay informed, and engage in the process. The website includes easy access to project materials,

including meeting agendas, notices, and minutes, maps and exhibits, and other documents made available to the public throughout the project process.

### 1.7.3 — Property Owner Outreach

The Southwest Village Subcommittee collaborated with stakeholders who own ~~a majority of~~ much of the land within the Southwest Village Specific Plan area through ongoing communications, subcommittee meetings, and workshops. Four of the five largest ~~land property~~ owners have been consistently involved in the process from the start. The remaining ~~land property~~ owners have also been notified and ~~involved~~ engaged throughout the planning process.

The Southwest Village Subcommittee conducted outreach to property owners via meeting mailers, ongoing email communications, and monthly email blasts. Additional outreach opportunities included subcommittee meetings and workshops focused on target topics, City of San Diego and Planning Commission public workshops, sign-up/contact forms through the project website ([southwestvillageplan.com](http://southwestvillageplan.com)), and a designated project email.



*Subcommittee members and other attendees discussing Southwest Village (May 2018).*

## 1.8 — RELATIONSHIP TO OTHER PLANNING DOCUMENTS

The Southwest Village Specific Plan implements the policies in the General Plan, Climate Action Plan, and Otay Mesa Community Plan to provide a tailored set of supplemental development regulations, policies, and design guidelines that will apply to the context and vision of Southwest Village. An overview of the policy and regulatory framework guiding development within the City is provided below.

### 1.8.1 — General Plan

~~The City of San Diego~~ General Plan provides a vision for the future of the entire City. ~~It and~~ establishes a comprehensive policy framework for how the City should grow and develop, provide public services, and maintain the qualities that help it realize that vision. The General Plan is the foundation for all land use decisions in the City.

### 1.8.2 — Climate Action Plan

~~The City of San Diego~~ Climate Action Plan (“CAP”) is intended to ensure that the City achieves greenhouse gas (~~GHG~~) reductions through local action.

~~The~~ ~~It~~ CAP identifies five primary strategies—implemented by different targets and actions—that will meet the greenhouse gas~~GHG~~ reduction target for 2020, as well as an interim target set for 2035 that is on the trajectory for the 2050 statewide goal established in Executive Order S-3-05. One of these five strategies is to implement bicycling, walking, transit, and land uses that promote increased development capacity for transit-supportive residential and employment densities and provide more walking and biking opportunities in these areas. A mobility hub is planned at the intersection of Caliente Avenue and Beyer Boulevard in the heart of the Village Core. The Village Core is designed to meet the daily needs of residents and provide a gathering area and activity center for Southwest Village that can be accessed by walking, biking, and taking transit.

### 1.8.3 — Otay Mesa Community Plan

The Otay Mesa Community Plan ~~outlines a set of~~contains goals, policies, and recommendations for the future of the Otay Mesa community. It establishes a framework for ensuring that changes to the built environment, whether public or private, aid in maintaining or improving the fabric of the community and enhance its qualities as a place for living, recreating, and working.

The Southwest Village Specific Plan area is identified as one of two opportunities for a comprehensively planned village within the Otay Mesa community. Villages are envisioned as predominantly residential in nature, anchored by a core area with a mix of uses and public spaces, featuring compact, active areas that are pedestrian friendly~~pedestrian-friendly~~, transit-oriented~~transit-oriented~~, and include a variety of residential, commercial, and civic spaces.

~~The Community Plan provides an impetus for development to occur by requiring a Specific Plan be prepared to translate the vision for Southwest Village in the Community Plan into a development program with design guidelines, land use regulations, and an implementation plan for infrastructure and facilities.~~

The Community Plan states that a Specific Plan is required for Southwest Village “prior to consideration of any comprehensive development and rezoning proposals.” The Community Plan further states that “all properties to be considered within a specific plan must be contiguous” and that “specific plans should be privately sponsored and developed in collaboration with the City of San Diego.”

### 1.8.4 — Multiple Species Conservation Program

The Multiple Species Conservation Program (MSCP) is a comprehensive, long-term habitat conservation planning program ~~that is designated~~ to preserve native habitat for multiple species. This is accomplished by identifying areas for directed development and areas to be covered in perpetuity, referred to as the Multi-Habitat Planning Area (MHPA), to achieve a workable balance between smart growth and species conservation. The MHPA will be assembled as each participating jurisdiction implements ~~their~~ its portion of the MSCP. The City's planned MHPA totals 56,831 acres, with 52,012 acres (90 percent) targeted for preservation (approximately 30 percent of the planned regional preserve). Most of the open space lands within Otay Mesa are within the MHPA. Open space lands within the MHPA are ~~furthered~~ further discussed in [Chapter 5, Parks, Trails, and Open Space](#).

### 1.8.5 — Vernal Pool Habitat Conservation Plan

The Vernal Pool Habitat Conservation Plan (VPHCP) provides a framework to protect, enhance, and restore vernal pool resources within the City. The VPHCP also strives to improve and streamline the environmental permitting process for impacts to threatened and endangered species associated with vernal pools. The VPHCP provides coverage for threatened and endangered vernal pool species that do not currently have federal coverage under the City's MSCP Subarea Plan. The VPHCP is compatible with the MSCP and expands upon the City's existing MHPA to conserve additional lands with vernal pool resources. The Southwest Village Specific Plan is consistent with and serves to further implement the VPHCP. Open space lands within the VPHCP are further discussed in [Chapter 5, Parks, Trails, and Open Space](#).

### 1.8.6 — ~~Land Development~~ Municipal Code

~~The City of San Diego Land Municipal Development Code (LDCSDMC) implements the policies of the General Plan and Community Plan contains with regulations and standards pertaining to for land use, density and intensity, building massing, architectural design, landscaping, storm-water management, streetscaping, lighting, and other development characteristics and procedures, and implements the policies of the General Plan and Community Plan. This Specific Plan incorporates applies the base zones from the LDCSDMC, and Where necessary, supplemental development regulations within the Specific Plan modifications to the base zone regulations are specified as supplemental development regulations in Section 7.5, Southwest Village Zoning within this Specific Plan to provide tailored development regulations. Refer to Chapter 7, Implementation, for the supplemental development regulations.~~

~~On February 14, 2023, the San Diego City Council adopted 78 updates to the City's development regulations, which included a definition for Sustainable Development Areas (SDA). The Land Development code defines Sustainable Development Area as the area within a defined walking distance along a pedestrian path of travel from a major transit stop, either existing or planned, if the planned major transit stop is included in a transportation improvement program or applicable regional transportation plan. Additionally, if the SDA covers a portion of an adopted specific plan, the entire specific plan shall be within the SDA. Since portions of the Southwest Village Specific Plan are within an SDA, the entire Specific Plan is within the SDA.~~

### 1.8.7 — Brown Field Airport Land Use Compatibility Plan

The Airport Land Use Commission adopted the Airport Land Use Compatibility Plan (ALUCP) for Brown Field Municipal Airport ~~in 2010~~ to establish land use compatibility policies and development criteria for new development within the Airport Influence Area (AIA). The policies and criteria protect the airport from incompatible land uses and provide the City with development criteria that will allow for the orderly growth of the area surrounding the airport. The ALUCP defines an AIA as "the area in which current or future airport-related noise, overflight, safety,

or airspace protection factors may significantly affect land uses or necessitate restrictions on those uses.” The AIA is divided into Review Area 1 and Review Area 2. The Specific Plan is in Review Area 2, which is “within the airspace protection and/or overflight notification areas....” Limits on the heights of structures, particularly in areas of high terrain, are the only restrictions on land uses within Review Area 2. The Airport Land Use Compatibility Plan is implemented by the Airport Land Use Compatibility Overlay Zone and includes requirements for airspace protection and overflight notification. An overflight notification will be recorded in the property’s chain of title, which will inform prospective buyers about the airport’s potential effect on the property.

## 1.8.8 — Parks Master Plan

~~The City of San Diego “Parks Master Plan, Parks For All of Us” was adopted in August 2021, which amended the General Plan Recreation Element. The Parks Master Plan provides policies, actions, and partnerships for planning parks, recreation facilities, and programs that reflect the City’s General Plan’s vision.~~

~~As the City continues to grow through infill development, limited open land and rising acquisition costs make it increasingly difficult to meet this acreage-based standard. The Parks Master Plan establishes a new park standard that applies to how population-based parks are planned, acquired, created, and managed; it does not apply to planning, acquiring, and managing resource-based parklands. The new Recreational Value-Based Value-Based Park Standard (Value Standard) establishes a point value to represent recreational opportunities within population-based parks. The recreational point value established is 100 points per 1,000 people that represent a range of recreation experiences.~~

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02

*LAND USE*

## 2.1 — OVERVIEW

The Southwest Village Specific Plan provides for a mix of land uses designed to create a high-quality, sustainable community. The approximately 490-acre planned community features a series of residential neighborhoods anchored by a mixed-use Village Core and organized around public amenities, including parks, recreation areas, natural open space, trails, and paseos, and elementary schools. The Village Core integrates a pedestrian-scaled grid-block pattern. It and includes the most dense/intense development in Southwest Village, with lower density development radiating out toward the surrounding planning areas on the mesa edge.

All land uses in Southwest Village are linked together by a clearly defined and efficient mobility network that includes a comprehensive network of ~~Bike~~ bike Paths paths, sidewalks, trails, and paseos. Southwest Village neighborhoods will be interspersed with a variety of parks, located to provide view corridors, recreation, and outdoor recreation opportunities ~~for those living nearby~~.

Southwest Village has been thoughtfully planned to focus development atop the mesa and preserve the expansive natural open space and sensitive resource areas surrounding the project. Areas identified in the City of San Diego's Multi-Habitat Planning Area (MHPA) and Vernal Pool Habitat Conservation Plan (VPHCP) will be preserved as open space to contribute to regional habitat. In addition, other areas within Southwest Village with steep slopes will be preserved.

## 2.2 — LAND USE DESIGNATIONS

*Figure 2.1, Southwest Village Land Use Plan*, illustrates the proposed land uses for Southwest Village and the location of planning areas (PAs) addressed in the Specific Plan. The Southwest Village Specific Plan allows up to a maximum of 5,130 residential units homes. This ~~includes both~~ “for-sale” and/or “for-rent” opportunities and a mix of housing home types such as town-homes, flats, row homes, courtyard units homes, lofts, shop-keeper units, senior housing, and assisted care units. The Specific Plan also allows —up to 175,000 square feet of commercial and retail floor area development consistent with the Otay Mesa Community Plan.

The Southwest Village Specific Plan ~~is broken up into~~ contains 30 PA planning areas. ~~Planning areas represent factors that will facilitate future development, and allow~~ The Specific Plan to address addresses the location and types of special conditions, such as land use, zoning, residential product type, and the location and type of roads streets, as well as land ownership and neighborhood design features. *Table 2.1, Development Summary*, identifies the specific plan land use designation, density range, acreage, maximum dwelling units, and whether commercial uses are allowed for each PA planning area. ~~The maximum dwelling units column in Table 2.1 represents the maximum allowed dwelling units in the respective Planning Area. As stated in Chapter 7, Implementation and Administration, any proposal to exceed the maximum development intensity of the Specific Plan as established in Table 2.1 shall require an amendment to the Specific Plan.~~

The Specific Plan assumes that future development ~~plans~~ may vary based on development priorities, design characteristics, and market conditions at the time a particular planning area is brought forward for development.

While it is assumed that Planning planning areas will be developed independently from one another and in multiple phases over time, future development ~~plan(s) proposed must~~ will need to consider the development viability and feasibility of undeveloped Planning planning areas within the Specific Plan area. The Specific Plan provides the overall framework for the Overall Specific Plan

infrastructure and grading ~~that requirements shall will~~ be phased to accommodate the future development within the Planning planning Areas areas. Refer to **Section 7.13, Phasing**, for detailed information regarding the expected phasing of the Specific Plan area. Any proposed grading, utilities (water, sewer, drainage facilities), and ~~roadway street~~ improvements ~~must will need to~~ consider the whole Specific Plan area regardless of phasing.

Figure 2.1 – Southwest Village Land Use Plan

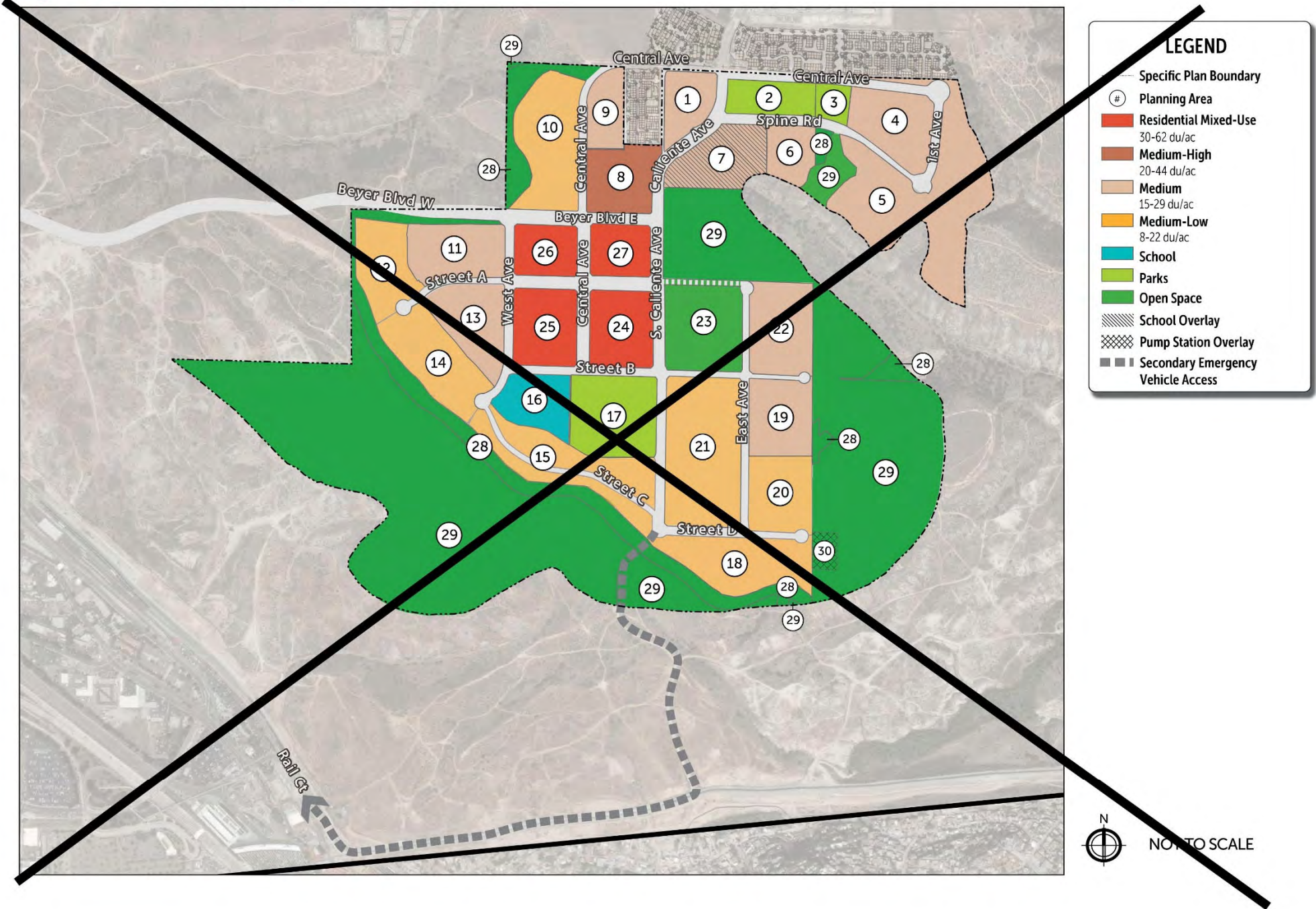


Figure 2.1 – Southwest Village Land Use Plan

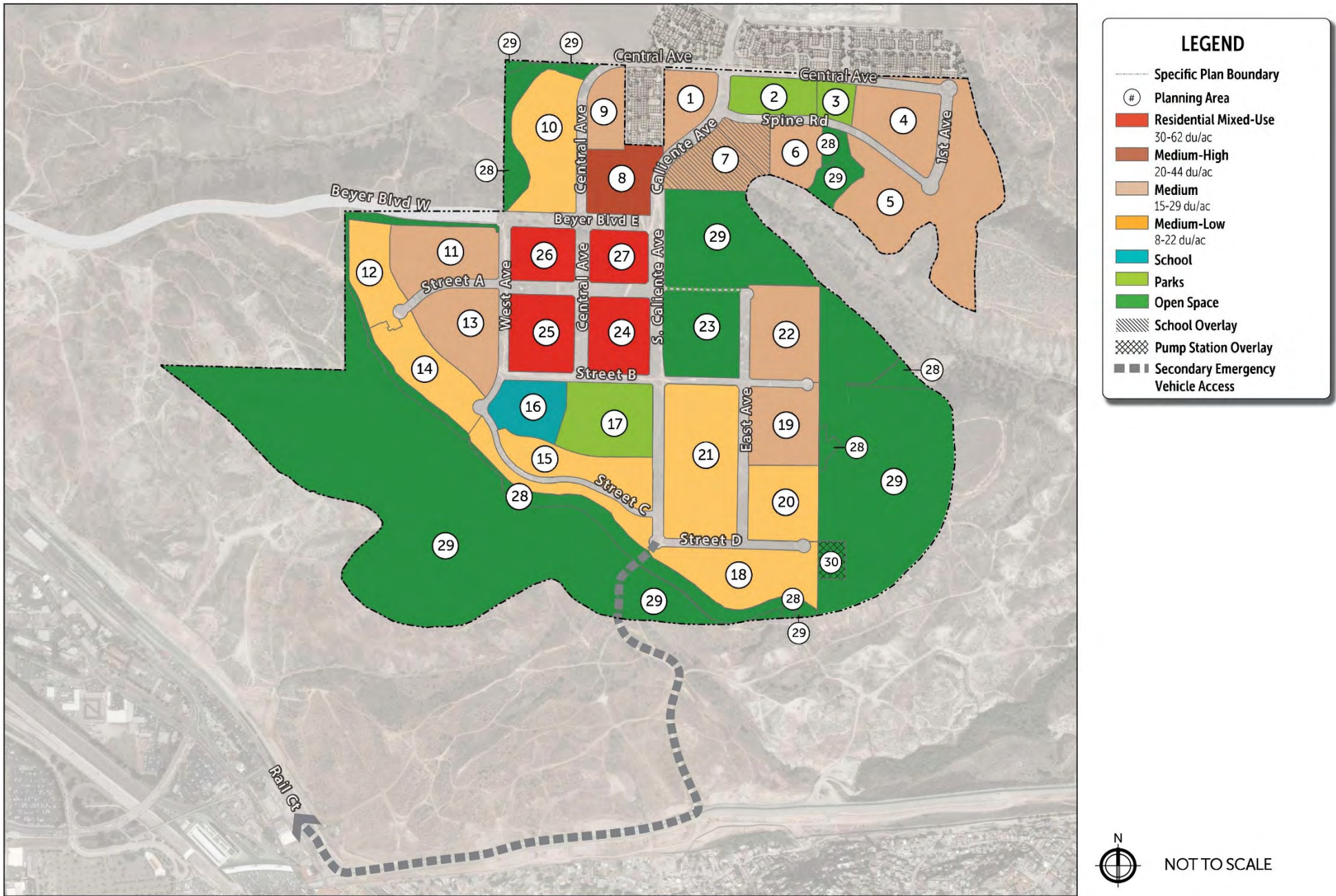


Table 2.1 — Development Summary

PA #	Land Use	Density <sup>1</sup>	Overlay	Acres	Max DUs <sup>2</sup>	Commercial Floor Area (SF) <sup>3</sup>
1	Medium	15-29 du/ac	-	<del>6-95.2</del>	<del>160</del> 120	-
2	Park	-	-	<del>5-05.3</del>	- <sup>4</sup>	-
3	Park	-	-	<del>2-12.3</del>	-	-
4	Medium	15-29 du/ac	-	<del>9-19.0</del>	211	-
5	Medium	15-29 du/ac	-	<del>26-226.3</del>	608	-
6	Medium	15-29 du/ac	-	4.5	104	-
7	Medium	15-29 du/ac	School Overlay	<del>6-98.9</del>	160 <sup>4,2</sup>	-
8	Medium-High	20-44 du/ac	-	<del>8-07.4</del>	282	-
9	Medium	15-29 du/ac	-	4.6	107	-
10	Medium-Low	8-22 du/ac	-	12.8	225	-
11	Medium	15-29 du/ac	-	<del>8-210.0</del>	190	-
12	Medium-Low	8-22 du/ac	-	<del>7-86.9</del>	137	-
13	Medium	15-29 du/ac	-	<del>8-310.2</del>	193	-
14	Medium-Low	8-22 du/ac	-	<del>10-38.8</del>	181	-
15	Medium-Low	8-22 du/ac	-	13.8	243	-
16	School	-	-	6.2	-	-
16	Medium (PA 16 Contingency)	15-29 du/ac	-	6.2	136 <sup>5,2</sup>	-
17	Park	-	-	10.5	-	-
18	Medium-Low	8-22 du/ac	-	<del>13-512.1</del>	238	-
19	Medium	15-29 du/ac	-	<del>10-28.8</del>	237	-
20	Medium-Low	8-22 du/ac	-	<del>7-68.5</del>	134	-
21	Medium-Low	8-22 du/ac	-	<del>15-118.6</del>	<del>266</del> 306	-
22	Medium	15-29 du/ac	-	<del>11-510.5</del>	267	-
23	Open Space	-	-	<del>7-810.7</del>	- <sup>5</sup>	-
24	Residential Mixed-Use	30-62 du/ac	-	7.7	352	Allowed Permitted
25	Residential Mixed-Use	30-62 du/ac	-	<del>8-08.3</del>	365	Permitted Allowed

PA #	Land Use	Density <sup>1</sup>	Overlay	Acres	Max-DUs <sup>2</sup>	Commercial Floor Area (SF) <sup>3</sup>
26	Residential Mixed-Use	30-62 du/ac	-	55.6	251	Permitted
27	Residential Mixed-Use	30-62 du/ac	-	48.0	219	Permitted
28	Open Space	-	-	21.2	-	-
29	Open Space	-	-	157.7	-	-
30	Open Space	-	Pump Station Overlay	21.7	-	-
	Streets	-	-	57.3	-	-
<b>Total</b>				<b>487.4<sup>6</sup></b>	<b>5,130<sup>2</sup></b>	<b>175,000</b>

**Notes: Planning Area (PA)**

- Density ranges were developed using the Planning Area's net acreage divided by the assumed dwelling unit counts show the minimum and maximum permitted residential density for a planning area.
- The dwellings units per planning area are within the allowable density ranges and represent likely development densities, recognizing that individual properties may be developed at higher or lower densities within the permitted range. The maximum dwelling units per planning area was estimated using the midpoint of the density range. The midpoint used may have a safety margin of three.
- Commercial uses in Planning Areas 24, 25, 26, and 27 are subject to a combined maximum of 175,000 square feet as specified in Section 7.8.3. Refer to Section 7.9, Supplemental Development Regulations.
- Planning Area 2, designated for Parks, includes privately owned parcels where up to one single-family dwelling unit per parcel may be permitted under the AR-1-1 zoning designation. Any such units would be subject to the maximum dwelling units of 5,130 units.
- In the event a school is not needed on Planning Area 7, the site will default to Medium Density Residential use. Refer to Section 2.9.2, Secondary School Site, and Section 7.13, Alternative Land Uses.
- In the unlikely event a school is no longer needed on Planning Area 16, the site will default to Medium Density Residential use. Refer to Section 2.9.1, Primary School Site, and Section 7.13, Alternative Land Uses.
- Planning Areas 23 and 29, designated for Open Space, include privately owned parcels where up to one single-family dwelling unit per parcel may be permitted under the OR-1-2 zoning designation. Any such units would be subject to the maximum dwelling units of 5,130 dwelling units.
- The total developable acreage is subject to slight changes due to project-level implementation refinements, such as zoning compliance analysis, development regulations, ALTA property boundary surveys, and/or detailed site mapping; however, the maximum development capacity number of dwelling units and commercial floor area will not change for the Specific Plan area. Refer to Chapter 7, Implementation and Administration.
- The overall maximum dwelling unit count of 5,130 shall not be exceeded. As individual Planning Areas are developed, dwelling unit quantities may change, and residential densities may be transferred between Planning Areas in accordance with Section 7.9, Supplemental Development Regulations.

## 2.3 AFFORDABLE HOUSING

All implementing development applications must meet the requirements of the Land Development Code, which requires affordable units or in-lieu fees for residential development projects (Chapter 14, Article 2, and Division 13: Inclusionary Affordable Housing Regulations). In addition, an implementing development application may also be eligible for the Affordable Housing, In-Fill Projects, and Sustainable Buildings

~~Development Regulations, as defined in Chapter 14, Article 3, Division 9, if one of the criterion for eligibility is met. The required affordable units will be provided onsite; however, affordable units may be provided offsite if site characteristics preclude development feasibility.~~



## 2.4.2.3 — VILLAGE CORE

Located to the southwest of the Beyer Boulevard/Caliente Avenue intersection, the Village Core is the heart of the Southwest Village community where people live, shop, dine, work, and play, as demonstrated in *Figure 2.2, Village Core Development Framework*. Within the Village Core, a complementary mix of local-serving retail, offices, and public/semi-public uses will be located within walking distance to higher density semi-public uses will be located within walking distance of higher-density homes. People in the Village Core will have easy access to a variety of recreational amenities, including a connective pedestrian and bicycle network, a multi-use neighborhood park, and natural open space connected pedestrian and bicycle network, a multi-use neighborhood park, and natural open space trail areas.

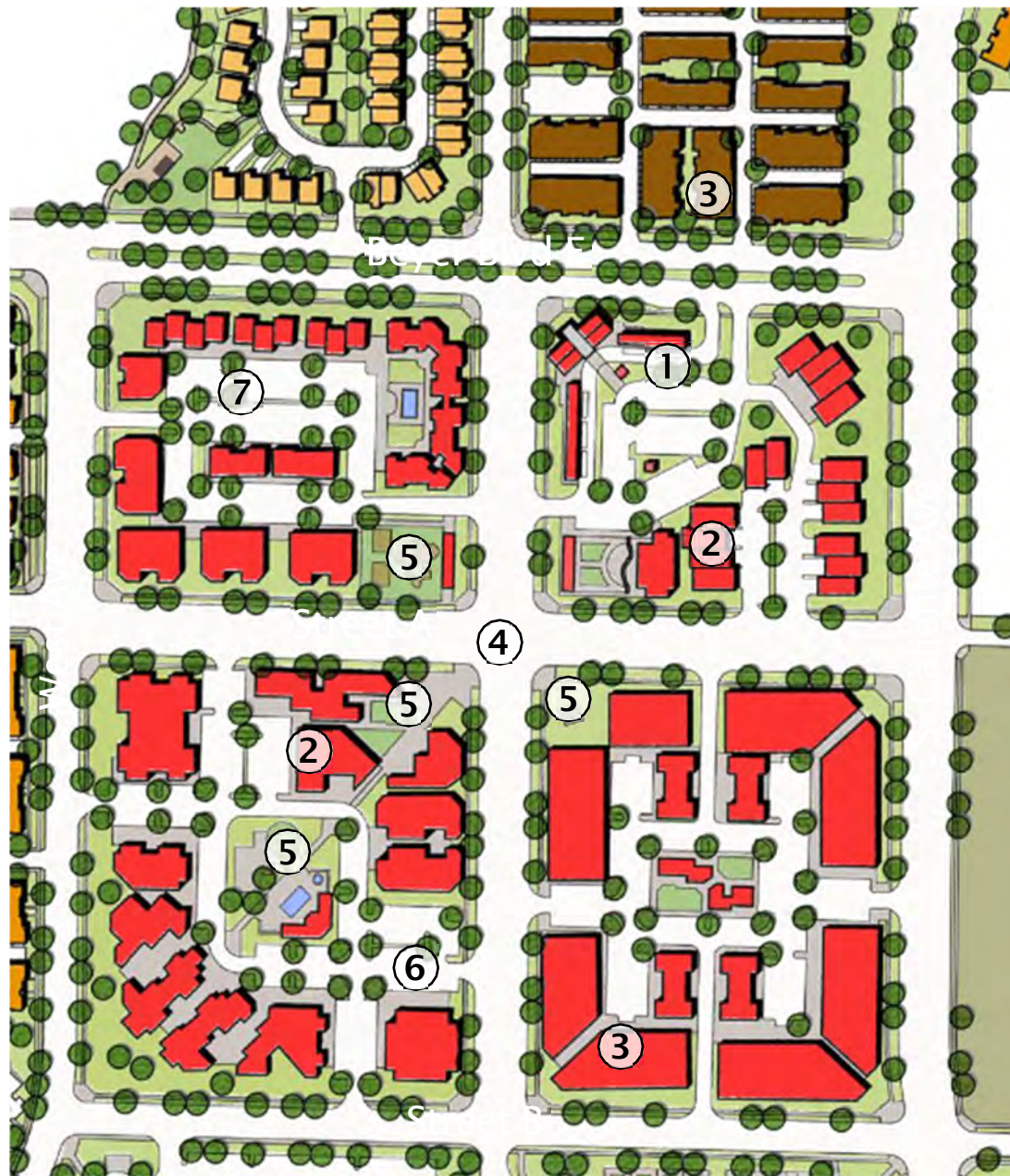
Special events, such as farmers' markets, pop-up events, outdoor concerts, and art displays, can be hosted in the mixed-use areas of the Village Core. On days when such events take place, streets in the Village Core may be closed for pedestrian use only.

The architectural context of the Village Core is envisioned to reflect the local setting of Otay Mesa and the history and character of the San Diego / Tijuana region. Special placemaking and wayfinding elements, including architecture architectural design, iconic arrival features, thematic lighting and landscaping, street furniture, and enhanced paving, will be incorporated into the Village Core design to create a strong sense of place.

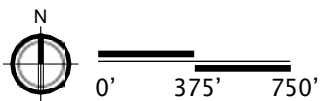
The Village Core is the focal point for pedestrian, bicycle, and transit travel, connecting residential neighborhoods, open space, and recreation amenities via the sidewalks, trails, and bike facilities. The Village Core's mobility hub will provide access to the regional transit network. Special attention should be given to pedestrian-friendly streetscape and sidewalk design, pedestrian crossing treatments, and other enhancements. Together, the mixed land uses, authentic architecture, pedestrian-friendly street design, and distinctive placemaking elements all contribute to a vibrant and enduring Village Core. A conceptual diagram of the mixed-use mixed-use areas of the Village Core is depicted on in *Figure 2.2, Village Core Development Framework*.

Figure 2.2 — Village Core Development Framework

- 1 Mobility Hub with Transit Access
- 2 Commercial Uses
- 3 High-Density Residential
- 4 Grid Network
- 5 Urban Plaza
- 6 Consolidated Access to Development
- 7 Parking Internal to Development



Conceptual design for illustrative purposes only. Actual design may vary from this typical representation.





## 2.52.4 — RESIDENTIAL MIXED USE

30 du/ac to 62 du/ac dwelling units per acre

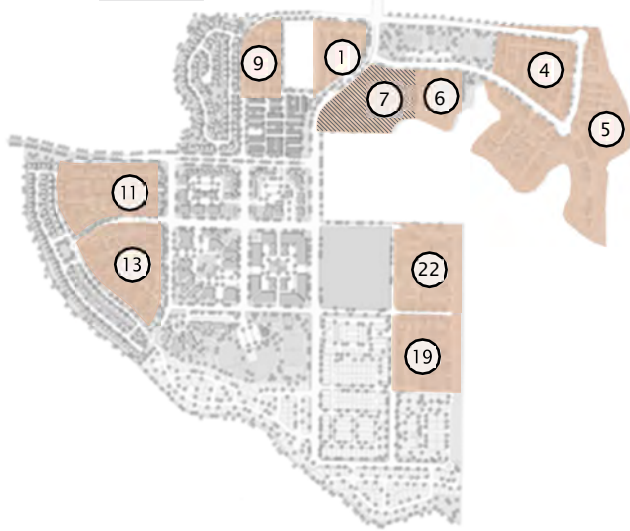
This designation is intended to accommodate a mix of ~~pedestrian-oriented community-serving~~ pedestrian-oriented community-serving commercial and retail uses of moderate intensity and scale, and attached residential uses. Development should occur in a pattern that is ~~pedestrian friendly~~ pedestrian-friendly and oriented toward the street and other public areas. Commercial and retail uses are planned along a central “Main Street” in the center of the Specific Plan area and are envisioned as a ~~pedestrian-friendly~~ pedestrian-friendly shopping and business area near a future transit stop. Residential uses may include a range of attached housing types, ~~and which~~ and which could include apartments, condominiums, multi-plex townhomes, ~~live-work~~, live-work, lofts, courtyard or motor court housing, ~~and wrap~~, and wrap, podium, and other types of residential developments.

## 2.62.5 — MEDIUM-HIGH DENSITY RESIDENTIAL

20 du/ac to 44 du/ac dwelling units per acre

This designation allows for a mix of ~~pedestrian-oriented~~ pedestrian-oriented attached housing types, ~~and which~~ and which could include apartments, ~~condominiums~~, condominiums, ~~multi-plex townhomes~~, multi-plex townhomes, ~~rowhomes~~, rowhomes, ~~courtyard or motor court housing~~, courtyard or motor court housing, ~~and wrap~~, and wrap, podium, and other types of residential developments.

Key Map



Key Map



## 2.72.6 — MEDIUM DENSITY RESIDENTIAL

15 ~~du/ac~~ to 29 dwelling units per acre/ac

This designation allows ~~for~~ a mix of pedestrian-oriented attached housing and cluster developments in different configurations, such as townhomes; duplex, triplex, or multi-plex; rowhomes, courtyard or motor court housing; and wrap, podium, and other types of multiple-unit residential developments.

## 2.82.7 — MEDIUM-LOW DENSITY RESIDENTIAL

8 ~~du/ac~~ to 22 dwelling units per acre/ac

This designation allows ~~for~~ a mix of pedestrian-oriented attached housing and cluster developments in different configurations, such as small-lot ~~single-family~~ single-family; townhomes; duplex, triplex, or multi-plex; rowhomes; courtyard or motor court housing; and other types of single or multiple-unit residential developments.

## 2.8 — SCHOOLS

The San Ysidro School District (SYSD) provides public elementary and middle schools that serve the Specific Plan area — Ocean View Hills Elementary School and La Mirada Elementary School (grades K–6), San Ysidro Middle School and Vista Del Mar Middle School (grades 7–8). The

Sweetwater Union High School District provides a public high school that serve the Specific Plan area — San Ysidro High School (grades 9–12).

Should the SYSD determine additional schools are needed based on projected student generation rates, the Southwest Village Specific Plan has identified two school sites that could serve students residing in Southwest Village and/or other portions of Otay Mesa, as well as other areas served by the SYSD. The Specific Plan identifies a school site within Planning Area 16, and a second school site within Planning Area 7, with Planning Area 16 being the primary school site and Planning Area 7 only if needed by the SYSD. Development of schools within Southwest Village, ~~as identified here are~~ is addressed in ***Section 7.8.1, Maximum Number of Dwelling Units*** and ***Section 7.13, Alternative Land Uses Chapter 7, Implementation and Administration***.

The school facilities can provide an opportunity for joint-use facilities for recreational opportunities with a joint-use agreement between the City of San Diego and SYSD. The two school sites are shown in the Key Map to the right.



## 2.8.1 — Primary School Site

The Specific Plan identifies an approximate ~~7.56.2~~-acre site within Planning Area 16, which will be made available for the SYSD or another school provider to acquire for the development of a school facility prior to to serve the projected student enrollment ~~full residential build out of all planning areas identified within the Specific Plan. Should SYSD opt to not acquire the site for the development of a school within Planning Area 16, refer to the provisions for alternative land uses within Chapter 7, Implementation and Administration.~~

### Contingency for Planning Area 16

Planning Area 16 is designated for a future elementary school immediately south of the core of Southwest Village. If a school is no longer needed on Planning Area 16, the planning area would default to a ~~land use of Medium-Density~~ land use designation. Although the contingency for Planning Area 16 would result in approximately 136 additional ~~dwelling units~~ homes, the maximum dwelling unit cap of 5,130 ~~units~~ homes would still apply. It is assumed that each planning area will not construct the maximum number of dwelling units ~~allowed~~ permitted due to site constraints, development priorities, design characteristics, and market conditions at the time a particular planning area is brought forward for development. Refer to Section 7.9, Supplemental Development Regulations.



Conceptual design for illustrative purposes only. Actual design may vary from this typical representation.

## 2.8.2 — Secondary School Site

The Specific Plan identifies an approximately ~~6.98.9~~-acre site within Planning Area 7, which will be made available for the SYSD to acquire for the development of a school facility if the SYSD determined ~~determines by SYSD~~ that the site is needed for a second school after the development of a school on the primary school site. As shown in *Figure 2.1, Southwest Village Land Use Plan*, the school site has a school overlay applied with an underlying Medium Density Residential land use designation and zoning if a school is not constructed.

Planning Area 7 is primarily intended for residential uses. However, the School Overlay allows for a school facility instead of the Medium Density land use designation in the future, should the SYSD determine that an additional school is needed to serve projected student enrollment; and acquire the site.

The precise location and site will be determined if and ~~at such time as~~ when the SYSD opts to acquire the property and construct a school. ~~Should a school be built, the Specific Plan allows for joint use facilities for recreational opportunities with a joint use agreement between the City of San Diego and SYSD. Should SYSD opt to acquire all or a portion of the site for the development of a school within Planning Area 7, refer to the provisions for alternative land uses within Chapter~~ Section 7.9, Implementation & Administration Supplemental Development Regulations.

### Contingency for Planning Area 7

Planning Area 7 is included in a school overlay, as shown in *Figure 2.1, Southwest Village Land Use Plan*. Planning Area 7 is primarily intended for residential uses. However, the School Overlay allows for the option of developing a school instead of Medium Density in the future should the buildout of the land use plan warrant an additional facility:

## 2.9 — PARKS AND OPEN SPACE

Open space and recreational areas in Southwest Village consist of preserved open space and other natural areas throughout the siteSpecific Plan area, as well as the parks, paseos, trails, and development edge buffers. The Key Map to the right shows the Planning Areas planned as public parks and open space. Privately owned public parks offering recreation opportunities for public use are not shown. *Figure 2.1, Southwest Village Land Use Plan*, identifies areas that are conserved for resource conservation or ~~non-developable~~ non-developable due to ~~steep~~ steep slopes, landslide risk, or other hazards. These natural open space areas allow for limited opportunities for recreation, such as trails or nature viewing.

### 2.9.1 — Parks

Parks proposed in Southwest Village will include neighborhood parks, pocket parks, and mini-parks. Public parks are proposed in Planning Areas 2, 3, and 17. Conceptual designs for public parks are shown below. See *Chapter 5, Parks, Trails, and Open Space*, for additional information about parks, trails, and open space in the Southwest Village Specific Plan area.



*Conceptual design for illustrative purposes only. Actual design may vary from this typical representation, based on public input as part of Park General Development Plan process, per Council Policy 600-33.*

## 2.9.2 — Open Space

Open space areas are planned as natural open space and may ~~include~~**include** revegetated slopes to be conserved in a covenant of easement, storm water and drainage facilities, limited recreational opportunities including walking and hiking trails, passive open space, passive parks, community gardens, and other uses provided they can be found compatible with surrounding biological resources and are consistent with the City's VPHCP and MSCP.

Limited development may occur in open space areas that are not conserved in accordance with Chapter 13, Article 1, Division 2, Section 131.0204 (Open Space-Residential zone) of the City of San Diego's municipal code and the MSCP Conservation Plan. Open space areas are located within Planning Area 28.

Conserved open space is located within Planning Areas 23 and 29. These areas may consist of mitigation lands, MHPA, and/or VPHCP 100 percent conserved lands, as shown in *Figure 5.22, Open Space Areas*. Privately owned parcels within Planning Areas 23 and 29 may allow limited development, in accordance with Chapter 13, Article 1, Division 2, Section 131.0204 (Open Space-Residential zone) of the City of San Diego's municipal code and the MSCP Conservation Plan.

## 2.9.3 — Pump Station Overlay

~~An approximately 2-acre (Planning Area -30) area~~ in the southeast portion of the Specific Plan area, at the terminus of Street D<sub>1</sub> is planned to include a pump station as part of the wastewater infrastructure necessary to support the development of ~~the Southwest Village~~ Specific Plan. The pump station area is located within and allowed as part of the Vernal Pool Habitat Conservation Plan as a covered activity.



*Photo of the Jaz Arnold Trail and bench in Black Mountain Open Space Park.*

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03

*DESIGN*

## 3.1 — VILLAGE DESIGN OVERVIEW

Village design addresses the character and quality of the built environment and helps to create a unique village identity with a strong sense of place by blending architecture, landscape architecture, and site planning. It involves the arrangement and design of buildings, features within the public and private realm, and landscape within sites and neighborhoods. The design policies for Southwest Village will make the community and its neighborhoods distinct, cohesive, attractive, functional, and sustainable. Design policies pay special attention to the relationship between individual buildings and developments to the surrounding areas and shared spaces. The following sections are broken out by general, village core, residential, ~~and~~ streetscape, and public realm design policies.

Although the design policies promote quality design, they are not regulatory requirements. They are general and illustrative in nature and are intended to provide flexibility, encourage creativity, and promote variety through implementation. The policies included in this chapter ~~shall are to~~ be applied to development areas maintained by a ~~Home Owner's Master Maintenance Association (MMA) (HOA)~~, not maintained by the City ~~as addressed in sSection 7.15, Maintenance.~~

*All images and graphics are provided as conceptual designs for illustrative purposes only. ~~Actual~~ The actual design may vary from this typical representation.*



## 3.2 – GENERAL DESIGN POLICIES FOR SOUTHWEST VILLAGE

This section provides design policies for design elements, including design principles, site and architectural design, and landscape design, consistent with the objectives, guiding principles, and design for Southwest Village. The following design principles apply to development throughout Southwest Village. Illustrations and diagrams in this section are conceptual and provided to depict the design envisioned for Southwest Village. Although design principles shown in this section identify typical locations and concepts, these principles apply in locations throughout Southwest Village.



Example photo of high quality materials to create engaging façades.



Example photo of a varying building facade.

### 3.2.1 – Site Design Policies

1. Limit the perimeter of block sizes along local and collector streets to 1,800 feet in length.
- 1.2. ~~If block sizes are required to be larger, Provide~~ pedestrian access and circulation ~~should be provided~~ to create connections through the middle of the block and align with other public streets, paseos, sidewalks, and pathways for larger block sizes.
- 2.3. Provide an interconnected system of paths, sidewalks, paseos, and walkways that create a safe and pleasant pedestrian environment, connect residential buildings and common areas, are integrated with surrounding developments, and provide multiple pedestrian access points.
- 3.4. Encourage arranging buildings in staggered, informally sited clusters around courtyards, paseos, or other common areas to create public gathering areas and places to socialize.
- 4.5. Provide for integration with paseos and passageways between buildings of adjacent planning areas.
- 5.6. Encourage siting buildings to take advantage of natural daylight, prevailing breezes, changes in topography, and opportunities for views, while still being oriented to the street. Tree-framed view corridors are encouraged ~~through the use of view easements~~.
- 6.7. Locate amenities next to public space and open space to enhance their access and visibility and to allow them to become focal points of the development.



*Example An example of paseo pedestrian access is provided in the middle of a large block.*



*An eExample of cluster development sited-situated around common areas.*

### 3.2.2 – Architectural Design Policies

1. Incorporate doors, windows, and other fenestration that face streets, paseos, parks, and other public areas to have “eyes on the street.”
2. Design buildings to have an engaging façade ~~through the use of~~with high-quality and interesting materials and the avoidance of blank walls.
3. Incorporate windows, doors, or other fenestration; ~~or~~ or other architectural design treatments to avoid blank walls.
4. Design buildings to maximize natural ventilation and take advantage of natural daylight and prevailing breezes to reduce the demand for mechanical air conditioning.
5. Design accessory structures to be compatible with the overall architectural design of the development.

### 3.2.3 – Form, Massing, and Articulation Policies

1. Establish a pattern of smaller massing forms to reduce the bulk of a building by helping to identify individual residential units.
2. Avoid design with boxy and monotonous façades that lack ~~human-scale~~human-scale dimensions and have large expanses of flat wall planes.
3. Use a defined palette of design elements, such as articulation, decorative trim, and other treatments, ~~to~~ to add visual interest to the façade.
4. ~~Break up~~ Break up the scale of buildings by stepping back upper levels, including horizontal and vertical articulation, providing windows and balconies, and incorporating other elements.
5. Encourage combinations of roof heights that create variation and visual interest to reduce the perceived scale of the building and vary roof lines within the overall horizontal plane.
6. Design non-primary building walls to be consistent in design with the primary building façade.
7. Coordinate the size and location of windows and doors with the overall massing of a building.



Example photos of building frontage and access.

### 3.2.4 – Building Frontage Policies

1. Place canopies, awnings, signs, balconies, and other architectural projections to provide adequate clearance above the adjacent sidewalk. Architectural projections may not preclude the placement of required trees.
2. Establish the building orientation by locating the primary entrance in at the front of the building.
3. Design all building sides adjacent to public rights-of-way with architectural treatment that avoids blank walls.
4. Define physical boundaries between private spaces and gathering spaces by utilizing elements such as low walls, landscaping, or other design treatments.

### 3.2.5 – Building Access Policies

1. Site buildings to have direct pedestrian access from a street or common area.
2. Provide primary building access from the street or other public space (park, plaza, or paseo), and secondary access should be provided from internal parking areas or structures.
3. Locate building lobbies for higher density development in prominent and visible areas of the site; that have direct access from the primary street frontage; and contribute to the image and identity of the development.
4. Design attractive courtyard doors or gates at the building entrances as an important architectural feature of the building or development.
5. Emphasize and differentiate each dwelling unit's entrance through architectural elements such as porches, stoops, or roof canopies, and detailing such as paint color, trim, materials, or awnings.

### 3.2.6 – Building Materials and Colors Policies

1. Utilize colors to contribute to the character and distinctiveness of the neighborhood that's consistent with the building style and compatible with the surrounding vicinity.
2. Utilize a variation of colors and materials to create visual façade articulation and/or accentuate architectural details of the building.
3. Utilize material ~~of for~~ primary ~~building walls~~building walls that are durable and compatible with the overall building style.
4. Utilize secondary and accenting wall ~~material~~materials that are compatible with the building style to the extent possible and used appropriately in select areas of the building façade.
5. Utilize roof color and material that are compatible with the building style to the extent possible.
6. Utilize window frames that are of a material and color compatible with the building style.
7. Utilize ~~material~~materials such as brick, stone, copper, etc., that are left in their natural colors. Avoid exposed edges, and turn corners for veneer.
8. Unify dwelling units, community facilities, and other structures within each planning area by a consistent use of building materials, textures, and colors.

### 3.2.7 – Screening Policies

1. Locate and screen service areas, trash enclosures, loading facilities, and mechanical and other equipment so that they are not visible from a public roadway or open space.
2. Utilize screening devices that are consistent with the architecture, materials, and color of adjacent buildings.
3. Avoid placing above-ground utilities inside the front setback, where possible. Where necessary, screen utilities by walls, fencing, or landscaping while maintaining utility access.



*Variation of materials compatible with building style.*



*Trash enclosure screening.*

Where walls that are visible to the public are greater than 6 feet in height and over 50 linear feet, the Owner/Permittee shall ensure installation of landscape screening to the satisfaction of City Development Services Department (DSD) Landscape Analysis Section.

### 3.2.8 – Noise Attenuation Policies

1. Encourage the use of landscaping and insulating materials to attenuate road noise generated within the community.
2. Provide localized noise barriers or rooftop parapets around HVAC cooling towers and mechanical equipment, so that line-of-sight to the noise source from the property line of the noise-sensitive receptors is blocked.
3. Use site planning to minimize noise in shared residential outdoor activity areas by locating the areas behind the building or in courtyards or orienting the terraces to alleys rather than streets.

### 3.2.9 – Lighting Policies

1. Avoid projecting light upward to minimize light pollution and reduce energy use.
2. Arrange lighting in parking lots and structures to prevent direct glare into adjacent residential buildings and onto neighboring uses
3. ~~or properties/streets.~~



Vertical landscaping is used to attenuate sound from HVAC systems.



Pedestrian lighting that projects light downward.

### 3.3 – VILLAGE CORE POLICIES

The Village Core is the heart of the Southwest Village ~~community~~ where people live, shop, dine, work, and play. Within the Village Core, a complementary mix of local-serving retail, services, offices, and civic space uses will be located within walking distance to ~~higher density~~ higher-density homes. People who visit, reside, and/or work in the Village Core will have easy access to a variety of recreational amenities, including a ~~connective pedestrian and bicycle network, a multi-use neighborhood park, and natural open space~~ connected pedestrian and bicycle network, a multi-use neighborhood park, and natural open-space trail areas. Special events, such as farmers’ markets, outdoor concerts, ~~and art displays, etc., will can be hosted held~~ and art displays, etc., will can be hosted held in the mixed-use areas of the Village Core.

Special placemaking and wayfinding elements ~~can will be incorporated into the Village Core design to~~ create a strong sense of place. Placemaking and wayfinding elements include ~~architecture~~ architectural design, street frontage, arrival features, thematic lighting and landscaping, street furniture, and enhanced paving. The Village Core is envisioned to reflect its surrounding heritages from both the San Diego region and the Tijuana region. Through architectural features and design techniques, the Village Core can be a place of unifying cultures.

The Village Core is the focal point for pedestrian, bicycle, and transit travel, connecting residential neighborhoods, open space, and recreation amenities via the sidewalks, trails, and bike facilities. Special attention should be given to pedestrian-friendly streetscape and sidewalk design, pedestrian crossing treatments, and other enhancements. Figures 3.1 through 3.4 provide depictions of development concepts within the Village Core.

Design components of the Village Core shall comply with the applicable RMX-1 design regulations included in San Diego Municipal Code (SDMC) §131.0712 through §131.0716 and §131.0718



### 3.3.1 – Village Core Design Policies

1. Establish an identity for the Village Core through common design elements or treatments, delineation of boundaries, and distinct entrances, outdoor areas, or other focal points.
2. Use similar The scale, colors, materials, design details, and architectural style of buildings and furnishings ~~should be similar~~ for the entire area. **Figures 3.1 through 3.4 provide depictions of development concepts within the Village Core:**
3. Encourage architecture to reflect the history and character of the San Diego/Tijuana region and the character of the surrounding neighborhoods. Examples are shown in **Figure 3.5, Representative Images of Village Core Architectural Context.**
4. Emphasize building faces and public use spaces as dominant features in Village Core design.
5. Incorporate articulation in architecture to break up building massing.
6. Encourage recessed courtyards to break up building frontage.
7. Provide additional public spaces that are activated by ~~pedestrian-scale~~ pedestrian-scale lighting, street furniture, trash receptacles, and landscaping.
8. Encourage mural signs on building faces within the Village Core (see Section 3.3.4, Village Core Mural).
9. Provide internal pedestrian access routes that link parking areas, buildings, green or public spaces, and streets.
10. Provide bicycle and pedestrian amenities to support non-motorized transportation from residential areas to the Village Core.
11. Incorporate pedestrian-friendly streetscape and sidewalk designs, pedestrian crossing treatments, and other enhancements.
12. Incorporate placemaking and wayfinding elements to create a strong sense of place.
13. Design public space areas for outdoor markets and specific

events.



*Public spaces activated by pedestrian-scaled lighting and furniture.*



*Mixed-use development with a high degree of pedestrian-oriented uses and design.*

Figure 3.1 — Village Core Mixed-Use Concept



- 1 Building stepback on upper stories (not shown)
- 2 Building articulation through varied setbacks, colors, textures, and rooflines
- 3 Emphasis on the pedestrian level through architectural variation of the first-floor
- 4 Ground floor retail opportunity
- 5 Residential on upper floors
- 6 Pedestrian and bicycle amenities

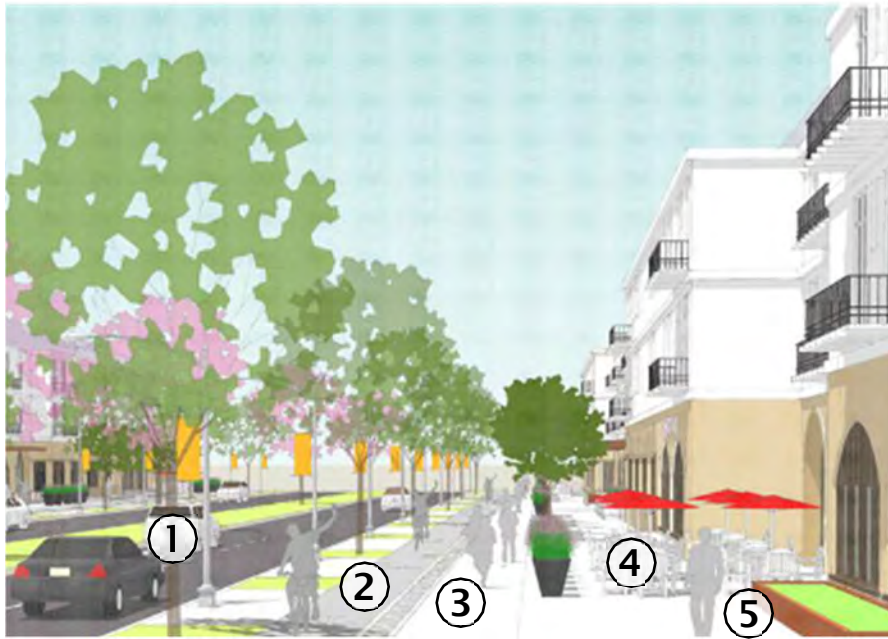


Example photo of Village Core Mixed-Use Concepts 2, 5, and 6.



Example photo of Village Core Mixed-Use Concepts 3, 4, and 6.

Figure 3.2 — Village Core Streetscape Concept



- 1 Street trees to provide shade
- 2 Opportunity for a shared pedestrian and bicycle path
- 3 Non-contiguous sidewalk
- 4 Street furnishings provided within the setback area
- 5 Public space along the street
- 6 Pedestrian lighting projecting downward (not shown)



Example photo of Village Core Streetscape Concepts 4 and 6.



Example photo of Village Core Streetscape Concepts 1, 3, and 6.

Figure 3.3 — Village Core Corner Treatment Concept



- 1 Corner treatment at a prominent location
- 2 Building entrance adjacent to public spaces
- 3 Public spaces created through outdoor dining, landscape enhancements, or public plazas
- 4 Crosswalks with opportunity for bulb-outs at the corner



Example photo of Village Core Corner Treatment Concept 1.



Example photo of Village Core Corner Treatment Concept 2.

Figure 3.4 — Village Core Residential Concept



- 1 Varied roof line
- 2 Balcony to provide a private open space that engages the public realm
- 3 Varied setback area with landscaping
- 4 Public space along the street



Example photo of Village Core Residential Concepts 2 and 5.



Example photo of Village Core Residential Concepts 1 and 3.

Figure 3.5 — Representative Images of Village Core Architectural Context



Example photo of Village Core Architectural Concepts 1 and 2.



Example photo of Village Core Architectural Concept 3.



Example photo of Village Core Architectural Concept 2.



Example photo of Village Core Architectural Concepts 2 and 3.



Example photo of Village Core Architectural Concepts 4 and 5.



Example photo of Village Core Architectural Concepts 1 and 4.

- 1 Spanish Mission-inspired parapets, towers, and clay tiled roofs
- 2 Interesting facades with smooth stucco finish
- 3 Creative use of vibrant, warm colored accent features
- 4 Use of arcades along the bottom floor
- 5 Varied flooring materials to draw pedestrian interest



Example photo of Village Core Architectural Concept 3.



Example photo of Village Core Architectural Concept 3.

### 3.3.2 – Village Core Commercial Design Policies

1. Where possible, provide plazas, either within the interior of the development or at building street corners, to help activate street corners, provide a foreground to building entrances, and/or to serve adjacent uses (such as retail space, cafe, or office use).
2. Locate building frontages with active uses that front public spaces, which can include outdoor seating areas, plazas, paseos, greens, or parks.
3. Orient, clearly mark, and illuminate entrances to commercial establishments to be clearly visible from the street, paseo, and/or entry plaza.
4. Locate loading and unloading areas so that residential land uses are screened from noise generated by loading dock and delivery activities. If necessary, additional sound barriers should be constructed on the commercial sites to reduce noise levels at nearby noise-sensitive uses.
5. Include a landscape buffer on commercial sites to screen loading areas from public views from public or private rights-of-way and from private views from the adjacent residential development.
6. Place commercial heating, ventilation, and air conditioning (HVAC) machinery within mechanical equipment rooms wherever possible.
7. Screen parking lots and garages from public and private streets through proper site planning and the use of landscape screening.
8. Screen loading docks with a combination of solid masonry walls and landscaping.
9. Locate loading areas to the rear or side of commercial buildings, and ~~should~~ include articulation and landscaping.
10. Provide rear access to commercial buildings, allowing rear deliveries, improving aesthetics, and enhancing parking access.

### 3.3.3 – Village Core Parking Policies

1. Design parking and service areas as integral parts of the buildings they serve, ~~and should be located~~ parking and service areas to the rear or side of buildings to minimize visual impacts from the public rights-of-way.
2. Locate on-site parking internal to the block whenever possible to maximize activation of the public realm.
3. Designate off-street parking areas for car-sharing services or to implement other parking management strategies, where applicable.
4. Encourage unbundled parking, where the price to rent or buy a multi-family home or commercial building space is separate from the cost of a parking space.
5. Encourage special accents that define the main parking entrance and provide visual interest, such as architectural detailing, specialty lighting, signage, enhanced pavements, and accent plant materials, such as specimen trees and flowering plants.
6. Screen parking lots and garages from public and private streets through proper site planning and the use of landscape screening.

### 3.3.4 – Village Core Mural Policies

1. Encourage murals and art that incorporate art, color, community, and cultural elements into the Village Core.
2. Utilize murals as an alternative to traditional material surfaces with the intent to provide diversity in color and material selection.
3. Place murals on the surface of the building or mounted on a high-quality, durable surface.
4. Maintain murals in a clean, safe, and good visual condition, and ~~should be replaced~~ or repaired them in a timely fashion.



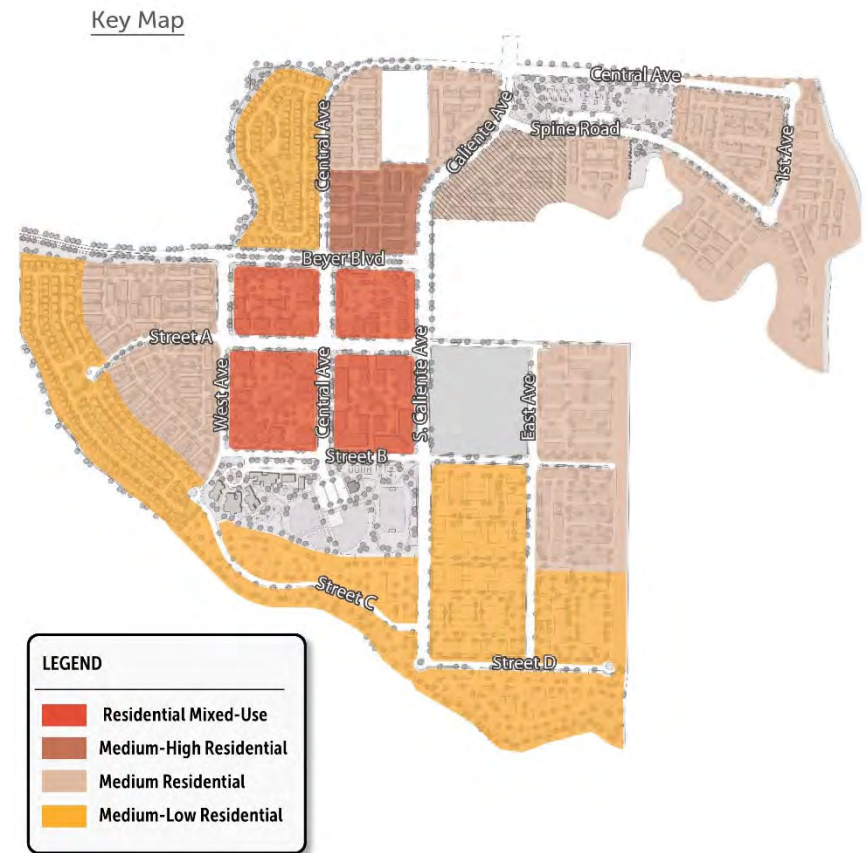
*Example photo of a mural that incorporates cultural elements.*

## 3.4 – RESIDENTIAL DESIGN POLICIES

These policies will inform the design of all residential development in Southwest Village. The ~~intent of the~~ residential design policies ~~is to~~ provide direction for the physical design of the Southwest Village neighborhoods. These policies encourage a high-quality aesthetic and unified look while providing flexibility to allow variety and enable adaptation.

Southwest Village allows a variety of single- and multi-family residential product types. [Figures 3.6, Townhomes Prototype](#) through [Figure 3.9, Small Lot Single Family Prototype](#) provide depictions of residential development concepts within Southwest Village. [Figures 3.6 and 3.7](#) provide a representation of potential Medium-High Residential development; [Figure 3.8](#) provides a representation of potential Medium Residential development; and [Figure 3.9](#) provides a representation of potential Medium-Low Residential development. An example of a typical plot plan is provided in [Figure 3.9](#) to illustrate how small lot single-family residences should comply with the established regulations. The prototypes provided in [Figures 3.6 through 3.9](#) illustrate design concepts specific to the appropriate residential land use designations. Representative photographs, graphics, and maps are included to show examples of home and lot configurations; however, additional configurations may be used.

*All images and graphics are provided as conceptual designs for illustrative purposes only. ~~Actual~~ The actual design may vary from this typical representation.*



### 3.4.1 – Architectural Design ~~Concepts~~Policies

1. Establish an identity for each residential housing development through common design elements or treatments, delineation of project boundaries, distinctive entrances, and shared recreational areas or other focal points. The scale, colors, materials, design details, and architectural style of buildings and furnishings should be similar for the entire planning area.
2. Utilize a consistent building design with a defined architectural style, while allowing flexibility through incorporating varying design details commonly associated with that style.
3. Consider the architectural design and character of adjacent developments and consider a consistent or contrasting architectural approach.

### 3.4.2 – Materials, Colors, and Finishes Policies

1. Encourage high-quality and durable materials, such as stone, wood, metal, and stucco.
2. Develop a cohesive color palette that is carried throughout the development.
3. Encourage contrasting colors that emphasize architectural elements, such as doors or window treatments.



*Example of unified architectural design concept.*

### 3.4.3 – Building Form and Massing Policies

1. Design residential unit layout, orientation, and appearance to emphasize the identity of individual residential units.
2. Define public and private spaces utilizing physical design features such as buildings, enclosures, landscaping, screens, vegetation, paving, grade separation, lighting, fencing, gates, and doors to distinguish a progression from the public to the private realm.
3. Design public open spaces such as courtyards, patios, greens, or balconies-etc., as clearly defined spaces located adjacent to living spaces and internal pedestrian linkages.
4. Encourage the use of parks and paseos to create public space and break ~~us up~~ building massing.
5. Develop buildings and street frontages with architectural interest adjacent to public areas, paseos, and the public right-of-way. Use design techniques such as façade step-backs, articulation, off-setting planes, unique roof forms, and varied building elevations.
6. Incorporate architectural elements into the façade, such as windows, and recessed planes that are consistent with the defined style. Large areas of flat, blank walls are strongly discouraged.
7. Design the side and rear faces of each building to include elements drawn from the primary frontage that serve to break up façades and add visual interest.
8. Incorporate varied roof forms to break up larger buildings and provide visual interest.
9. Incorporate and orient doors and windows towards public space areas.
10. Incorporate pedestrian-scale entries that clearly identify individual units ~~should be~~ prominent features along the primary façade.
11. Design residential rear driveways for access to garages, additional off-street parking, trash pick-up, and pedestrian areas.
12. Design multi-family garage units to not have direct access via curb cuts to major and collector streets.
13. Design common spaces to be open, visually unobstructed, and ~~well~~ fitwell-lit.

Figure 3.6 — Townhomes Prototype



This prototype is representative of development that could occur in the RM-3-7 zone and Medium-High Density Residential land use designation.

- 1 Step-backs, articulation, ~~off-setting~~offsetting planes, unique roof forms, and varied building elevations break up massing
- 2 Entries clearly identify individual unitshomes
- 3 Windows and other architectural elements break up the façade on the side of the building
- 4 Rear alleys with garage access, trash pick-up, landscaping, and pedestrian areas



Example photo of townhomes with building articulation and other architectural elements



Example photo of townhomes with building articulation and other architectural elements

Figure 3.7 — Multi-Plex and Courtyard Prototype



This prototype is representative of development to occur in the ~~RM-3-7 zone~~ and Medium-High Density Residential land use designation.

- 1 Step-backs, articulation, ~~off-setting~~ offsetting planes, unique roof forms, and varied building elevations break up massing
- 2 Pedestrian-scale entries along the primary façade
- 3 Clearly defined courtyard space
- 4 Varied roof forms
- 5 Rear alleys with garage access, trash pick-up, landscaping, and pedestrian areas



Example photo of triplex homes.



Example photo of triplex homes.

Figure 3.8 — Alley Load Single Family Prototype



This prototype is representative of development ~~to that could~~ occur in the RM-2-5 zone and Medium Density Residential land use designation.

- 1 Step-backs, articulation, ~~off-setting~~ offsetting planes, unique roof forms, and varied building elevations break up massing
- 2 Pedestrian-scale entries along the primary façade
- 3 Varied roof forms
- 4 Rear alleys with access to garages, additional off-street parking, trash pick-up, and pedestrian areas
- 5 Planting in alleys to soften and break up rows of garages



Example photo of an alley loaded single-family homes.



Example photo of alley loaded single-family home.

Figure 3.9 — Small Lot Single Family Prototype



This prototype is representative of development to that could occur in the RM-1-3 zone and Medium-Low Density Residential land use designation.

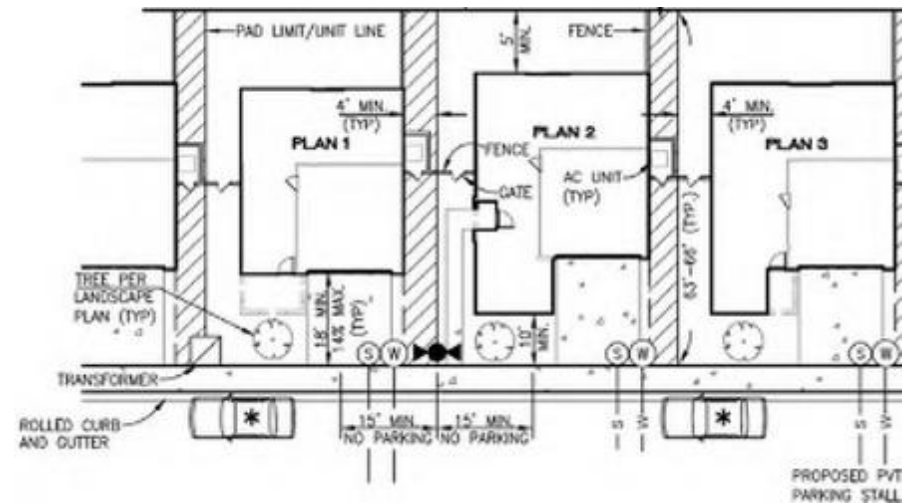
- 1 Entries clearly identify individual units
- 2 Garage design is carefully integrated with the overall architectural style
- 3 Architectural element drawn breaks-up breaks up façade
- 4 Articulation and off-setting planes



Example photo of small-lot single-family homes.



Example rendering of small-lot single-family homes.



Typical Plot Plan for Small Lot Single Family along Private Drive.

## 3.5 – STREETSCAPE AND PUBLIC REALM DESIGN POLICIES

### 3.5.1 – Public and Common Open Space Policies

1. Provide clear and accessible pedestrian connections as public spaces between neighborhoods and natural open space areas to encourage outdoor activity and social interaction.
2. Maximize opportunities to provide public views of the canyons and natural open space areas from public space areas surrounding Southwest Village.
3. Encourage pedestrian paseos to provide enhanced connectivity and usable open space.
4. Provide outdoor seating areas as part of common open space and parks. Seating location should consider comfort factors such as sun orientation, shade, and wind.
5. Incorporate informal outdoor gathering areas and pedestrian nodes into design plans in ways that allow these spaces to function as community gathering spaces.
6. Design recreation buildings and play areas to be visible from as many residential units surrounding them as possible. Direct and convenient access from ground-level units to the communal area is encouraged.
7. Locate outdoor play areas adjacent to common building facilities, such as a community center, and near pedestrian access points as warranted. Avoid locating play areas near public streets, parking, or entry areas unless physically separated with landscaping.
8. Partially cover paved areas with a shade structure and/or trees to minimize their visual impact and reduce the solar heat gain and heat island effect.

### 3.5.2 – Pedestrian System Policies

1. Design an interconnected system of paths, sidewalks, corridors, and walkways ~~which that~~ create a pleasant pedestrian environment, connect dwelling units and common areas, are well-integrated with the surrounding neighborhood, and provide multiple pedestrian access points.
2. Design walkways to encourage resident usage and minimize maintenance.
3. Design the pedestrian system circulation to direct residents to common areas, community facilities, public spaces, and open space areas.
4. Incorporate pedestrian connections to adjoining residential developments, commercial projects, and open space areas.
5. Minimize cross-circulation conflicts between vehicles and pedestrians.
6. Provide a continuous, clearly marked walkway from the parking areas to the main entrances of buildings.
7. Provide bicycle parking and storage for residential and commercial development in locations that are accessible near primary entrances to avoid the use of balconies for bicycle parking.
- ~~7.8.~~ Design mid-block pedestrian crossings consistent with City Council Policy 200-07 for Comprehensive Pedestrian Crossing.

### 3.5.3 – Materials, Hardscape, and Furnishings Policies

1. Incorporate paving into pedestrian walkways, crosswalks, intersections, plazas, parking lot design, and driveway entries to create a sense of place.
2. Incorporate pavement enhancements at development entries. The edges will be clearly defined, either with painted borders or a different Americans with Disabilities Act (ADA)-compliant paving material.
3. Encourage the use of alternative crosswalk paving that distinguishes it from the surrounding sidewalk and roadway ~~street with~~. ~~Alternative crosswalk paving must be~~ ADA-compliant paving material.
4. Place bicycle parking ~~at in~~ public spaces with adequate pedestrian clearance, such as a plaza.
5. Place pedestrian seating and benches adjacent to pedestrian paths of travel.

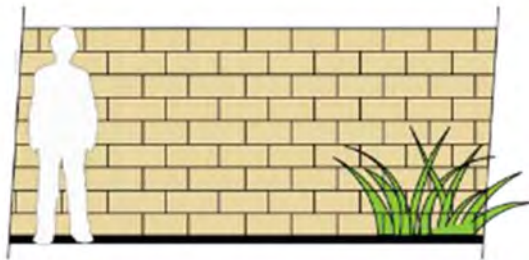
### 3.5.4 – Lighting Policies

1. Install appropriate levels of street lighting to provide consistent lighting along a corridor.
2. Install pedestrian-scale lighting at building entryways, bicycle parking areas, seating areas, transit stops, surface parking areas, common open space areas, paseos, and other pedestrian paths.
- ~~2.3. Use The~~ types, styles, and intensity of lighting should that reflect the ~~use and~~ character of the area.
- ~~3.4. Install pedestrian lighting along paths with a change in grade, path intersections, and other areas along paths that, if left unlit, would cause the user to feel insecure, should be illuminated.~~
- ~~4.5. Direct all exterior site lighting, such as from a (i.e., rear yard or signs,) inward and downward so as not to disturb adjacent uses.~~
- ~~5.6. Shield and direct outdoor lighting adjacent to residential areas away from the surrounding residential use.~~
- ~~6.7. Provide adequate lighting levels for safety while minimizing light spillage and glare to minimize light pollution and preserve views of the night sky.~~
- ~~7.8. Design lighting to illuminate common areas, streets, paths, entryways, landscaping, and parking.~~

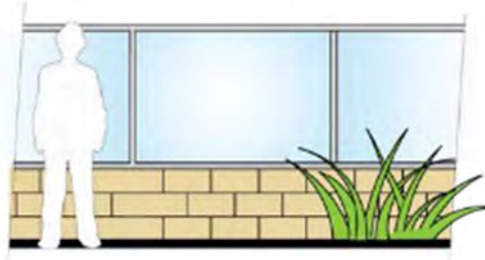
### 3.5.5 – Walls and Fencing Policies

1. Design for walls and fencing based on the conceptual designs as a minimum, as shown in *Figure 3.10, Walls and Fences*.
2. ~~Encourage the use of masonry~~ Masonry theme and sound attenuation walls ~~are encouraged to use with~~ textured materials to add visual interest.
3. Utilize walls and fences to provide safety, security, and buffering between adjacent uses, but ~~they~~ they should be of the minimal height needed to achieve the intended purpose.
4. Walls and fences adjacent to public streets should be buffered by landscaping and/or utilize iron rod fenceings to avoid long lengths of solid surfaces along roadways.
5. Utilize walls with view fencing where appropriate to allow separation of uses without closing off views, especially along multi-purpose trails to provide visibility for increased safety.
6. Incorporate walls with breaks, recesses, and offsets, especially at entries and important intersections.
7. ~~Incorporate surface articulation, pilasters, and view fencing along~~ Long walls ~~should be made to make them~~ more attractive and visually interesting ~~through the use of surface articulation, pilasters, and view fencing~~ where appropriate.
8. Incorporate materials, colors, and texture to relieve visual monotony and to depict the culture and community.
9. Incorporate trees, vines, and other landscaping to the maximum extent possible to soften the visual appearance of walls.
10. Integration of landscaped berms into wall design to provide visual interest is encouraged.
11. Utilize walls and fences with durable yet attractive materials that complement the adjacent architecture, such as masonry, wood, iron, or vinyl.
12. Integrate walls with pedestrian openings with bollards to ensure ease of pedestrian circulation where necessary. Avoid the use of gates.
13. ~~Locate w~~ Walls ~~will be located~~ in areas that do not adversely affect non-vehicular mobility.
14. Locate and design walls to not obscure sight distance and visibility for drivers, pedestrians, and bicyclists.
15. ~~In order to establish design continuity~~ Design publicly visible walls and fences ~~should be~~ composed of design styles, materials, and colors that are consistent with surrounding development to establish design continuity.
16. Incorporate fencing along trails that delineate the area of use while providing views and allowing wildlife to travel. A conceptual design is provided in *Figure 3.10, Walls and Fences*.
17. Encourage the use of landscape buffers rather than walls whenever possible to soften the public realm and promote a pedestrian-oriented environment.
18. ~~Walls up to 31 feet shall be allowed to minimize impacts to surrounding sensitive resource areas.~~
19. ~~Unless approved as part of this Specific Plan, any walls or fencing shall conform to the Fence Regulations of the Municipal Code.~~

Figure 3.10 — Walls and Fences<sup>1</sup>



*Masonry Theme Wall*



*Solid View Wall / Fire Rated Wall*



*Iron Fence Theme Wall*



*Example Photo of Masonry Theme Wall*



*Example Photo of Solid View Wall/Fire Rated Wall With Fire Rated Glass Block*



*Example Photo of Iron Fence Theme Wall*



*Neighborhood Wood Fence*



*Iron Tubular Fence*



*Trail / Open Space Fence*

1. Note: Walls and fences included in this figure are intended to guide the height and materials of proposed walls and fences within the Specific Plan. This figure is not intended to illustrate specific styles of walls and fences. Other materials such as vinyl, etc., may be used.

### 3.5.6 – Gateways And Monuments

Monuments ~~ation~~ serves as the visual gateway for Southwest Village and will utilize a combination of architectural details, signage, lighting, and landscaping. A hierarchy of entry monuments ~~ation~~ coincides with land use transitions. This hierarchy includes gateways, activity nodes, entries, and business signage. Repetitive use of materials and design forms is encouraged to provide design unity and to reinforce the identity of the community.

The design for these primary and secondary entry elements ~~is~~ are conceptually shown ~~on~~ in **Figure 3.11, Neighborhood Identification Sign Gateway Monument Design**. The proposed locations for monuments ~~ation~~ are shown in **Figure 3.12, Neighborhood Identification Sign Gateway Locations**.

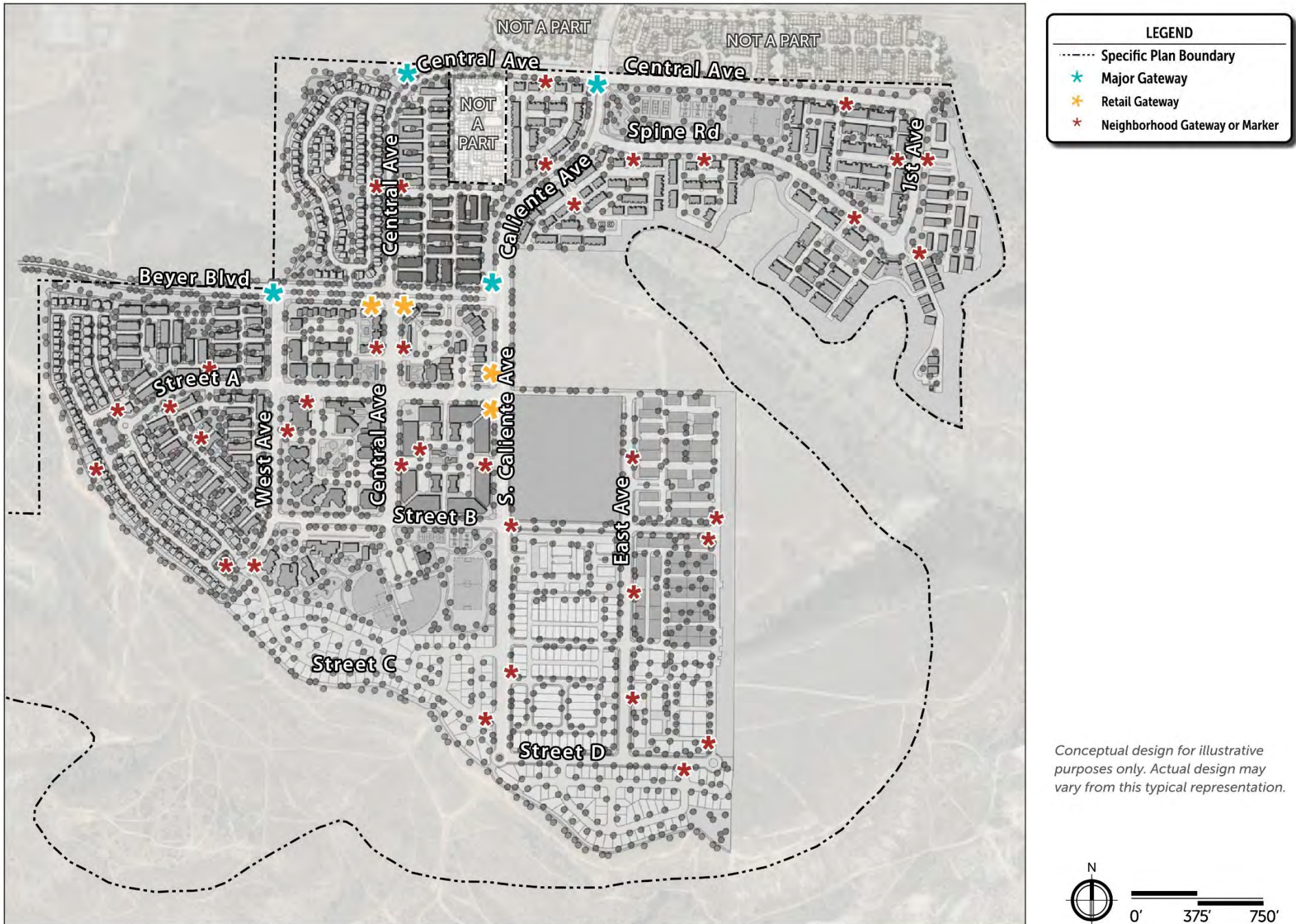
- **Major Gateway:** Gateway monuments ~~ation~~ represents the most prominent entry type for Southwest Village.
  - Design of Gateway monuments ~~ation~~ will ~~with~~ exhibit the highest level of them ~~in~~ theming.
  - ~~g~~ and should Utilize larger scale ~~larger-scale~~ design elements with special lighting features and signature landscape design.
- **Village Core Gateway:** Village Core gateways are located at activity nodes throughout the Village Core.
  - Activity nodes are less prominent in scale than primary entries while utilizing similar forms, materials, and landscaping.
  - Use of Secondary monuments ~~ation~~ can be used at retail gateways to identify the various neighborhoods in the Village Core and transitions between land uses.
- **Neighborhood Gateway and Neighborhood Markers:**
  - Individual developments ~~will~~ should feature unique entries complete with signage, landscaping, and lighting.

~~Permit (NUP) Process Two, per Section 141.1103, will be submitted during the building permit and site infrastructure process in order to allow any signs which exceed the allowance of the City-wide Sign Regulations.~~

Figure 3.11 — Gateway Monument Design



Figure 3.12 — Gateway Locations



### 3.5.7 – Gateway And Monument Signage Policies

1. Provide signage and/or monuments at major and secondary entry monuments, as shown in *Figure 3.12, Gateway Locations*. These monuments are important to establishing the overall design theme and evoke a sense of arrival to the community.
2. Design monument signs with a consistent design theme and color palette.
3. Utilize monument signage with piers and jogs in the wall to break up its mass.
4. Incorporate monument signs with landscape planters using a variety of heights and textures.
5. Plant larger landscape specimens behind monument signage to frame its view from the entry.
6. Design entry spaces, transitional spaces, and gathering spaces that incorporate elements such as gateways, fountains, and other public amenities that promote a sense of community, district identity, and wayfinding throughout the community.
7. Design all vehicular entries into each planning area to have highly visible signs and a monument identification signifying entry. Special landscaping or other identifying features should be used to identify each of the main and secondary project entries.
8. Utilize smaller signage and/or monuments to identify entries into individual neighborhoods.
9. Design monuments and signage to depict the overall character of the community and respond to the cultural, environmental, and physical context of the neighborhood setting.
10. Locate all entries and monuments outside of the public right-of-way.
11. Locate and design entries and monuments to not obscure sight distance and visibility for drivers, pedestrians, and bicyclists.

### 3.5.8 – Wayfinding Signage Policies

1. Design wayfinding signage that promotes a sense of place and aids in navigation while walking, biking, and driving.
2. Design vehicular wayfinding signage to clearly convey locations of key destinations.
3. Design vehicular wayfinding signage to be seen and read by people in vehicles, directing them to destinations.
4. Design vehicular information signs to contain limited amounts of information to limit confusion.
5. Design pedestrian wayfinding to clearly identify key destinations and facilities, provide direction to building access points from parking lots, and encourage walking to other nearby destinations.
6. Design pedestrian wayfinding signage to be seen and read by pedestrians and bicyclists, directing them to destinations on preferred routes.



Example photo of wayfinding concept.



Example photo of wayfinding concept.

## 3.6 – LANDSCAPE DESIGN POLICIES

1. Utilize landscaping along public streets that is consistent, formalized, and composed of signature planting.
2. Selected trees, shrubs, grasses, vines, ground cover, and wildflowers should be selected from those identified in *Appendix A, Landscape Planting Palette*, to create an attractive and cohesive community identity. *Figure 3.13, Examples of Recommended Plants*, is included to illustrate the range of planting types within Southwest Village.
3. Utilize elements of landscape architecture to create a unified sense of place.
4. Unique qualities of planning areas may be achieved through variation in design while utilizing similar landscape elements.
5. Plant trees along streets, pathways, paseos, and trails, and incorporate trees into public outdoor spaces such as plazas and parks to provide shade, beauty, and a buffer.
6. Incorporate biofiltration and bioretention measures in parking and road design, edges of paved areas, and other landscaped areas to slow and treat stormwater runoff.
7. Arrange formal plantings along parkways at intervals appropriate to street scale and canopy cover to provide a sense of rhythm and movement within the streetscape.
8. Incorporate suspended pavement system(s) to improve soil volume for supporting large tree species and improve plant health, promoting higher plant success rates. Additionally, these systems provide stormwater quality management through capture, evapotranspiration, and storage.
9. Use rain gardens, open tree grates, green roofs, and pockets of open space to slow stormwater flow rates, allow natural percolation of runoff, and reduce the heat island effect.
10. Utilize permeable paving to capture and treat stormwater to the maximum extent possible. Examples of permeable paving include porous asphalt, reinforced grass, semi-impervious concrete paving blocks, and reinforced gravel with grass.
11. Plant the designated Themed Street street Trees trees along all public roadways streets, as identified for each roadway street type in *Sections 4.5, Street Design Standards* 1 through 4.5.11.
12. Bioretention basins shall be designed to meet horticultural requirements of the plant material used therein to include a minimum growing medium depth of 24 inches for shrubs and 36 inches for trees.

Figure 3.13 — Examples of Recommended Plants



## 3.7 – GRADING POLICY

Given the topography of the project area, it is anticipated that development of Southwest Village will require site specific grading regulations that will supersede specific portions of the SDMC Section 143.0142(a) and Section II(C) of the Steep Hillside Guidelines. The overall goal of the Utilize –grading regulations should be to that blend blends with existing or planned adjacent topography to; provide for more natural appearing manufactured slopes, minimize grading quantities, and minimize the height of visible slopes.

Due to the unique hillside terrain and sensitive natural resources in the ~~Southwest Village~~ Specific Plan area, ~~modified~~ supplemental development ~~standards~~ regulations for grading techniques shall apply. Refer to ***Section 7.9, the Supplemental Development Regulations.***

1.—To the maximum extent feasible, manufactured slopes shall blend with existing or planned adjacent topography and be naturalized. Alternative grading design, including exceedance of allowable development area, may be used according to the following guidelines to achieve avoidance of sensitive natural resources:

- » Newly created manufactured slopes should be landform graded with undulating slopes, irregular/varying gradients, and with the top (crest) and bottom (toe) of new manufactured slopes rounded to resemble natural landforms.
- » The transition between manufactured slopes and natural topography should be blended to avoid harsh angular lines.
- » Landscaping on manufactured slopes adjacent to natural topography should be similar to the vegetation on the natural slopes.

2.—Grading of manufactured slopes shall minimize substantial damage, or alteration of, significant permanent natural resources areas, wildlife habitats or native vegetation areas which are designated by this Specific Plan and/or implementing tentative subdivision maps for future development to be preserved.

3.—Slopes that are adjacent to major streets (e.g. Beyer Blvd) shall be landform graded regardless of the adjacent topography except when necessary to minimize impacts to sensitive natural resources.

4.—Phasing of grading within each planning area shall provide for the safety and maintenance of other planning areas already developed or under construction and visual mitigation (revegetation) of all manufactured slopes.

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04

*MOBILITY*

## 4.1 — INTRODUCTION

The Southwest Village Specific Plan area will have a mobility network accessible to people who walk, bike, take transit, and use a car. The network of streets, bike paths, sidewalks, trails, and paseos envisioned for Southwest Village will provide connections between proposed residential neighborhoods and commercial, retail, and public uses in the Village Core, including the future school, parks, and transit facilities. The mobility network is designed to service future development in Southwest Village while responding to natural changes in elevation and respecting the neighborhood's open space areas.

This Specific Plan describes a mobility network that ensures a connected network of public streets to serve development. A network of smaller public streets and private drives will provide access to and within neighborhoods.

The mobility network in Southwest Village integrates the planned regional transportation network, as described in both the General Plan and Otay Mesa Community Plan, and SANDAG's 2021 Regional Plan. The mobility network complements Southwest Village's urban core, ~~pedestrian-focused~~ pedestrian-focused grid, and planned land use pattern to encourage walking, biking, and transit use within the Village Core and maximize opportunities for taking transit. This strategy is intended to result in limiting the amount of vehicle trips and reducing vehicle miles traveled and greenhouse gas emissions per capita, satisfying the City's sustainability goals and policies within the General Plan and Climate Action Plan.

## 4.2 — STREET CLASSIFICATIONS

The mobility network described in this Specific Plan serves as the foundation for future development; provides key connections to support walking, biking, transit, and vehicular transportation throughout the Specific Plan area; and ensures that streets are designed to accommodate projected traffic volumes. The mobility network includes a system of roadway types that provide access throughout the Specific Plan area and connect the mixed-use Village Core, neighborhood school, neighborhood park, and are designed to ensure that high volumes of pedestrians and bicyclists can move efficiently, encouraging residents to walk and bike to village destinations. A description of street classifications for Southwest Village is shown ~~on in~~ in *Figure 4.1, Street Classifications*, and summarized in *Table 4.1, Street Classification by Segment*. Street design standards for each classification are based on the City's Street Design Manual (March 2017), with specific modifications from these standards noted where applicable.

The mobility network in Southwest Village is organized around two key arterials that access the center of the community, with Caliente Avenue ~~one~~ offering north-south access (~~Caliente Avenue~~) and Beyer Boulevard ~~the other~~ offering east-west access (~~Beyer Boulevard~~). These ~~arterials~~ streets provide facilities for pedestrians, bicyclists, public transit, and drivers, ensuring that all modes are accommodated ~~and residents and visitors have transportation options~~. They were designed with respect for the topography and the location of conserved open space within the Specific Plan and provide linkages to the larger Otay Mesa Community. Central Avenue will act as the main street ~~on which to find~~ for commercial, mixed-use, and ~~medium-high~~ medium-high-density residential uses. Central Avenue will include wide sidewalks, on-street parking, and street furniture to encourage strolling between shops.

A grid network of streets connects to the arterial ~~roadways~~ streets, allowing for maximum use of the land, with consideration of ownership and lot configuration. The grid network ~~shall~~ provides blocks ~~no greater than with that do not exceed~~ a 1,800-foot perimeter, which is consistent with the General Plan. These streets contain parkways, sidewalks, on-street and off-street bike ~~paths~~ facilities.

Figure 4.1 – Street Classifications

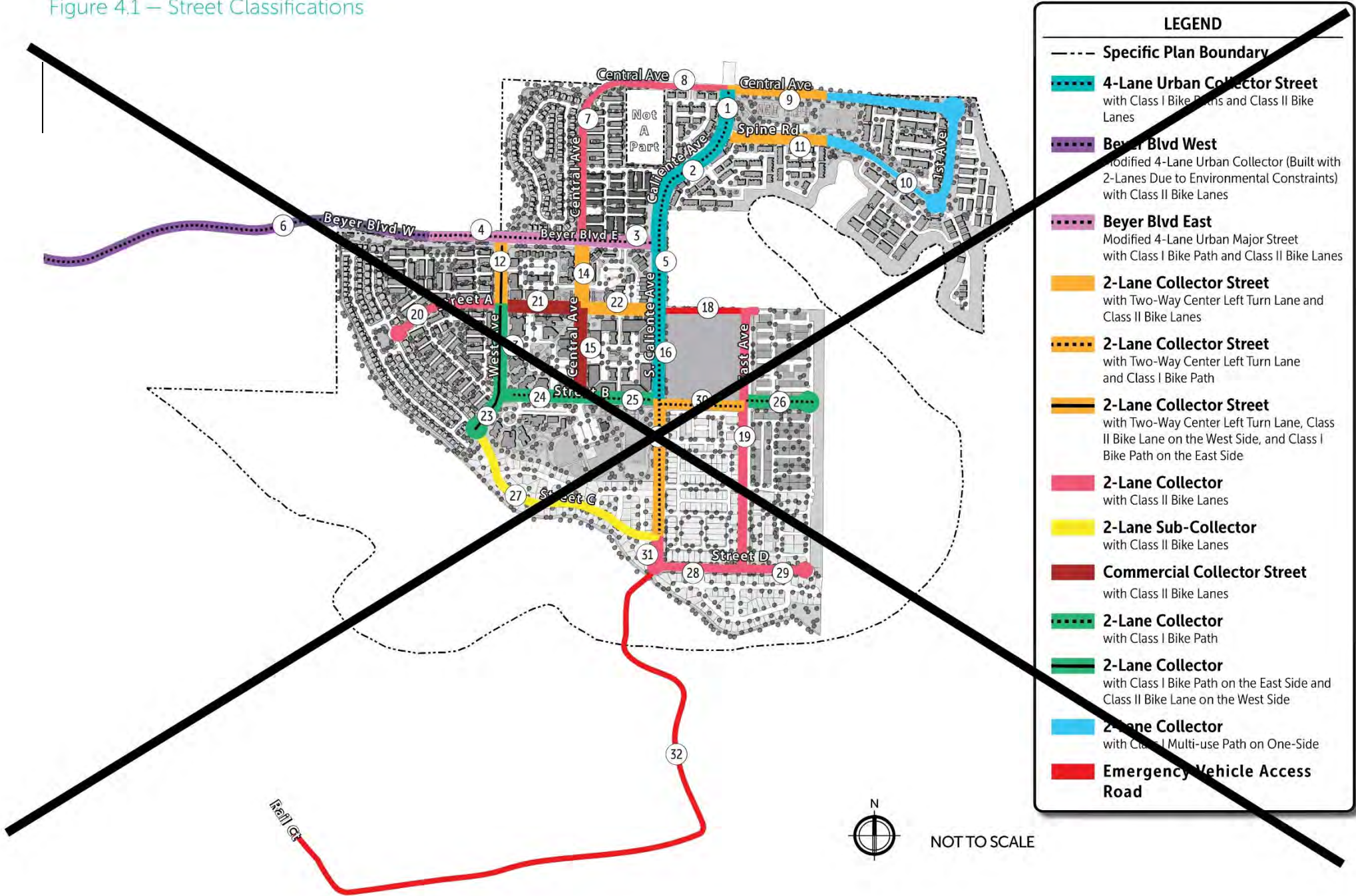


Figure 4.1 – Street Classifications



**LEGEND**

- **Specific Plan Boundary**
- **4-Lane Urban Collector Street**  
with Class I Bike Paths and Class II Bike Lanes
- **Beyer Blvd West**  
Modified 4-Lane Urban Collector (Built with 2-Lanes Due to Environmental Constraints) with Class II Bike Lanes with Buffer
- **Beyer Blvd East**  
Modified 4-Lane Urban Major Street with Class I Bike Path and Class II Bike Lanes
- **2-Lane Collector Street**  
with Two-Way Center Left Turn Lane and Class II Bike Lanes
- **2-Lane Collector Street**  
with Two-Way Center Left Turn Lane and Class I Bike Path
- **2-Lane Collector Street**  
with Two-Way Center Left Turn Lane, Class II Bike Lane on the West Side, and Class I Bike Path on the East Side
- **2-Lane Collector**  
with Class II Bike Lanes
- **2-Lane Sub-Collector**  
with Class II Bike Lanes
- **Commercial Collector Street**  
with Class II Bike Lanes
- **2-Lane Collector**  
with Class I Bike Path
- **2-Lane Collector**  
with Class I Bike Path on the East Side and Class II Bike Lane on the West Side
- **2-Lane Collector**  
with Class I Multi-use Path on One-Side
- **Emergency Vehicle Access Road**

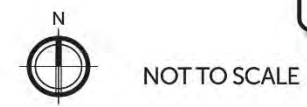


Table 4.1 — Street Classification by Segment

I.D.	Name	Classification	Estimated Ultimate ADT	Design ADT	ROW Width
1	Caliente Ave	Modified <sup>1</sup> 4-Lane Urban Collector with Class I Bike Path and Class II Bike Lanes with Buffer	29,200	25,000 (LOS D)	122 ft
2	Caliente Ave	Modified <sup>1</sup> 4-Lane Urban Collector with Class I Bike Path and Class II Bike Lanes with Buffer	29,200	25,000 (LOS D)	122 ft
3	Beyer Blvd East	Modified <sup>1</sup> 4-Lane Urban Major with Class I Bike Path and Class II Bike Lanes with Buffer	28,100	35,000 (LOS D)	116 ft
4	<del>Beyer Blvd East</del>	<del>Not Used<sup>2</sup> Modified<sup>1</sup> 4-Lane Urban Major with Class I Bike Path and Class II Bike Lanes with Buffer</del>	<del>28,100</del>	<del>35,000 (LOS D)</del>	<del>116 ft</del>
5	S. Caliente Ave	Modified <sup>1</sup> 4-Lane Urban Collector with Class I Bike Path and Class II Bike Lanes with Buffer	17,200	25,000 (LOS D)	122 ft
6	Beyer Blvd West	Beyer Blvd West (Modified <sup>1</sup> 4-Lane Urban Collector (Built with 2 Lanes Due to Environmental Constraints)) with Class II Bike Lanes with Buffer	28,100	25,000 (LOS D)	53 ft
7	Central Ave	2-Lane Collector with Class II Bike Lanes with Buffer	4,500	6,500 (LOS D)	69 ft
8	Central Ave	2-Lane Collector with Class II Bike Lanes with Buffer	3,900	6,500 (LOS D)	62 ft
9	Central Ave	2-Lane Collector with Two-Way Center Left Turn Lane with Class II Bike Lanes with Buffer	7,200	13,000 (LOS D)	88 ft
10a	Central Ave	2-Lane Collector with Class I Multi-Use Path on One Side (North Side)	6,000	6,500 (LOS D)	Min. 60 ft
10b	1st Ave	2-Lane Collector with Class I Multi-Use Path on One Side (East Side)	4,100	6,500 (LOS D)	Min. 60 ft
10c	Spine Road	2-Lane Collector with Class I Multi-Use Path on One Side (South Side)	3,200	6,500 (LOS D)	Min. 60 ft
11	Spine Road	2-Lane Collector with Two-Way Center Left Turn Lane with Class II Bike Lanes with Buffer	8,200	13,000 (LOS D)	88 ft
12	West Ave	2-Lane Collector with Two-Way Center Left Turn Lane and Class II Bike Lane with Buffer on West Side and Class I Bike Path on the East Side	7,800	13,000 (LOS D)	87 ft
13	West Ave	2-Lane Collector with Class I Bike Path on East Side and Class II Bike Lane with Buffer on West Side	4,100	6,500 (LOS D)	75 ft
14	Central Ave	2-Lane Collector with Two-Way Center Left Turn Lane and Class II Bike Lanes with Buffer	7,700	13,000 (LOS D)	88 ft
15	Central Ave	2-Lane Commercial Collector with Class II Bike Lanes with Buffer	5,500	6,500 (LOS D)	80 ft
16	S. Caliente Ave	Modified <sup>1</sup> 4-Lane Urban Collector with Class I Bike Path and Class II Bike Lanes with Buffer	13,900	25,000 (LOS D)	122 ft
17	S. Caliente Ave	Modified <sup>1</sup> 2-Lane Collector with Two-Way Center Left Turn Lane and Class I Bike Path	6,600	13,000 (LOS D)	86 ft
18	Street A	Emergency Vehicle Access Road	N/A	N/A	<del>76-24</del> ft
19	East Ave	2-Lane Collector with Class II Bike Lanes with Buffer	4,700	6,500 (LOS D)	76 ft
20	Street A	2-Lane Collector with Class II Bike Lanes with Buffer	5,800	6,500 (LOS D)	76 ft
21	Street A	2-Lane Commercial Collector with Class II Bike Lanes with Buffer	6,300	13,000 (LOS D)	80 ft
22	Street A	2-Lane Collector with Two-Way Center Left Turn Lane and Class II Bike Lanes with Buffer	6,600	13,000 (LOS D)	88 ft
23	West Ave	2-Lane Collector with Class I Bike Path on East Side and Class II Bike Lanes with Buffer on West Side	3,700	6,500 (LOS D)	75 ft
24	Street B	2-Lane Collector with Class I Bike Path	2,600	6,500 (LOS D)	74 ft
25	Street B	2-Lane Collector with Class I Bike Path	3,500	6,500 (LOS D)	74 ft
26	Street B	2-Lane Collector with Class I Bike Path	2,300	6,500 (LOS D)	74 ft
27	Street C	2-Lane Sub-Collector with Class II Bike Lanes with Buffer	4,000	2,200 (LOS C)	76 ft
28	Street D	2-Lane Collector with Class II Bike Lanes with Buffer	2,900	6,500 (LOS D)	76 ft
29	Street D	2-Lane Collector with Class II Bike Lanes with Buffer	1,300	6,500 (LOS D)	76 ft
30	Street B	2-Lane Collector with Two-Way Center Left Turn Lane and Class I Bike Path	8,700	13,000 (LOS D)	86 ft
31	S. Caliente Ave	2-Lane Collector with Class II Bike Lanes with Buffer	3,000	6,500 (LOS D)	76 ft
32	N/A	Emergency Vehicle Access Road	N/A	N/A	20 ft

1. See specifications tables in Section 4.5.1 through 4.5.13 for the modifications to the Street Design Manual incorporated into the roadway street classifications.

2. Segment 4 is not used because it was identified as redundant and therefore integrated with Segment 3.

## 4.3 — BICYCLE NETWORK

The proposed bicycle network for the Southwest Village Specific Plan, illustrated on in *Figure 4.2, Bicycle Facility Network*, and summarized in *Table 4.2, Bicycle Facility Type by Street Segment*, consists of an extensive network of dedicated facilities that are connected to activity centers and provide access to future public transit. The bicycle network includes Class I bike paths and Class II bike lanes with a buffer. Bicycle facility classifications are in accordance with the Otay Mesa Community Plan and the City's Bicycle Master Plan. See Sections 4.3.1 Class I Bike Paths and 4.3.2 Class II Bike Lanes with Buffer for further detail on these types of bicycle facilities.

A shared multi-use path will be located on Caliente Avenue and Beyer Boulevard, and other areas in and around the Village Core to provide continuity and enhanced connectivity for both north-south and east-west travel across Southwest Village. The Class I bike paths will connect from the Southwest Village community to Airway Road, which in turn will connect the community to San Ysidro High School, the future Central Village community, and the Otay Mesa industrial areas.

To ensure the network effectively connects residential neighborhoods to destinations within the community Southwest Village, including the commercial uses, schools, and a mobility hub, all public streets will contain some form of bicycle facility. Class II bicycle lanes on public roadways streets will provide connections to recreational opportunities and access to protected open spaces surrounding the community schools.

Table 4.2 — Bicycle Facility Type by Street Segment

I.D.	Name	Type
1	Caliente Ave	Class I Bike Path and Class II Bike Lanes with Buffer
2	Caliente Ave	Class I Bike Path and Class II Bike Lanes with Buffer
3	Beyer Blvd East	Class I Bike Path and Class II Bike Lanes with Buffer
4	<del>Beyer Blvd East</del>	<del>Class I Bike Path and Class II Bike Lanes with Buffer</del> Not Used
5	S. Caliente Ave	Class I Bike Path and Class II Bike Lanes with Buffer
6	Beyer Blvd West	Class II Bike Lanes with Buffer
7	Central Ave	Class II Bike Lanes with Buffer
8	Central Ave	Class II Bike Lanes with Buffer
9	Central Ave	Class II Bike Lanes with Buffer
10	1st Ave, Spine Road east of Segment 11, Central Ave east of Segment 9	Class I Multi-Use Path on One-Side (Exterior Side)
11	Spine Road	Class II Bike Lanes with Buffer
12	West Ave	Class II Bike Lane with Buffer on West Side and Class I Bike Path on East Side
13	West Ave	Class II Bike Lane with Buffer on West Side and Class I Bike Path on East Side
14	Central Ave	Class II Bike Lanes with Buffer
15	Central Ave	Class II Bike Lanes with Buffer
16	S. Caliente Ave	Class I Bike Path and Class II Bike Lanes with Buffer
17	S. Caliente Ave	Class I Bike Path
18	Street A (fire access road only)	N/A
19	East Ave	Class II Bike Lanes with Buffer
20	Street A	Class II Bike Lanes with Buffer
21	Street A	Class II Bike Lanes with Buffer
22	Street A	Class II Bike Lanes with Buffer
23	West Ave	Class I Bike Path on the East Side and Class II Bike Lane with Buffer on the West Side
24	Street B	Class I Bike Path
25	Street B	Class I Bike Path
26	Street B	Class I Bike Path
27	Street C	Class II Bike Lanes with Buffer
28	Street D	Class II Bike Lanes with Buffer
29	Street D	Class II Bike Lane with Buffer
30	Street B	Class I Bike Path
31	S. Caliente Ave	Class II Bike Lanes with Buffer
32	N/A	N/A

Figure 4.2 – Bicycle Facility Network

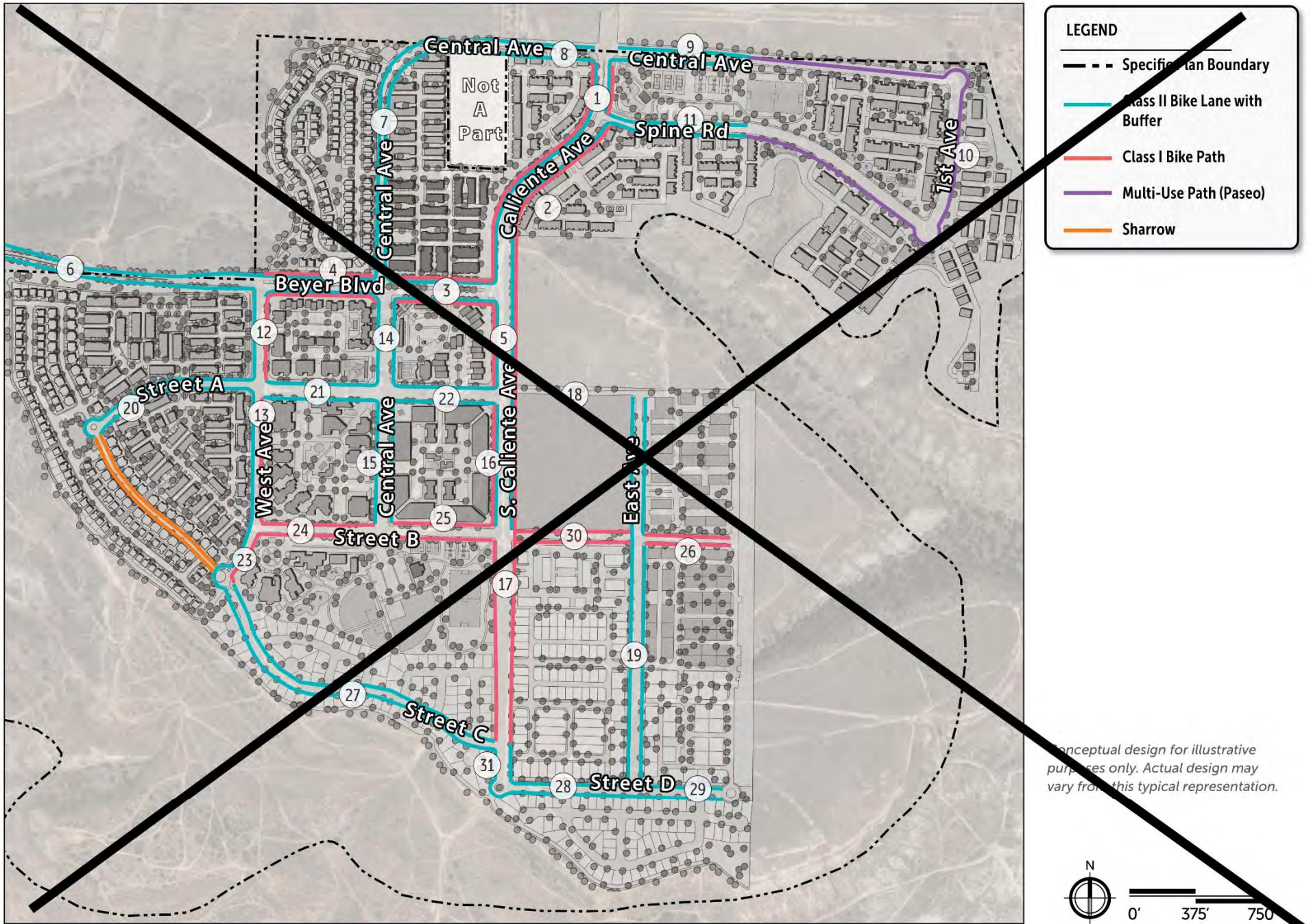
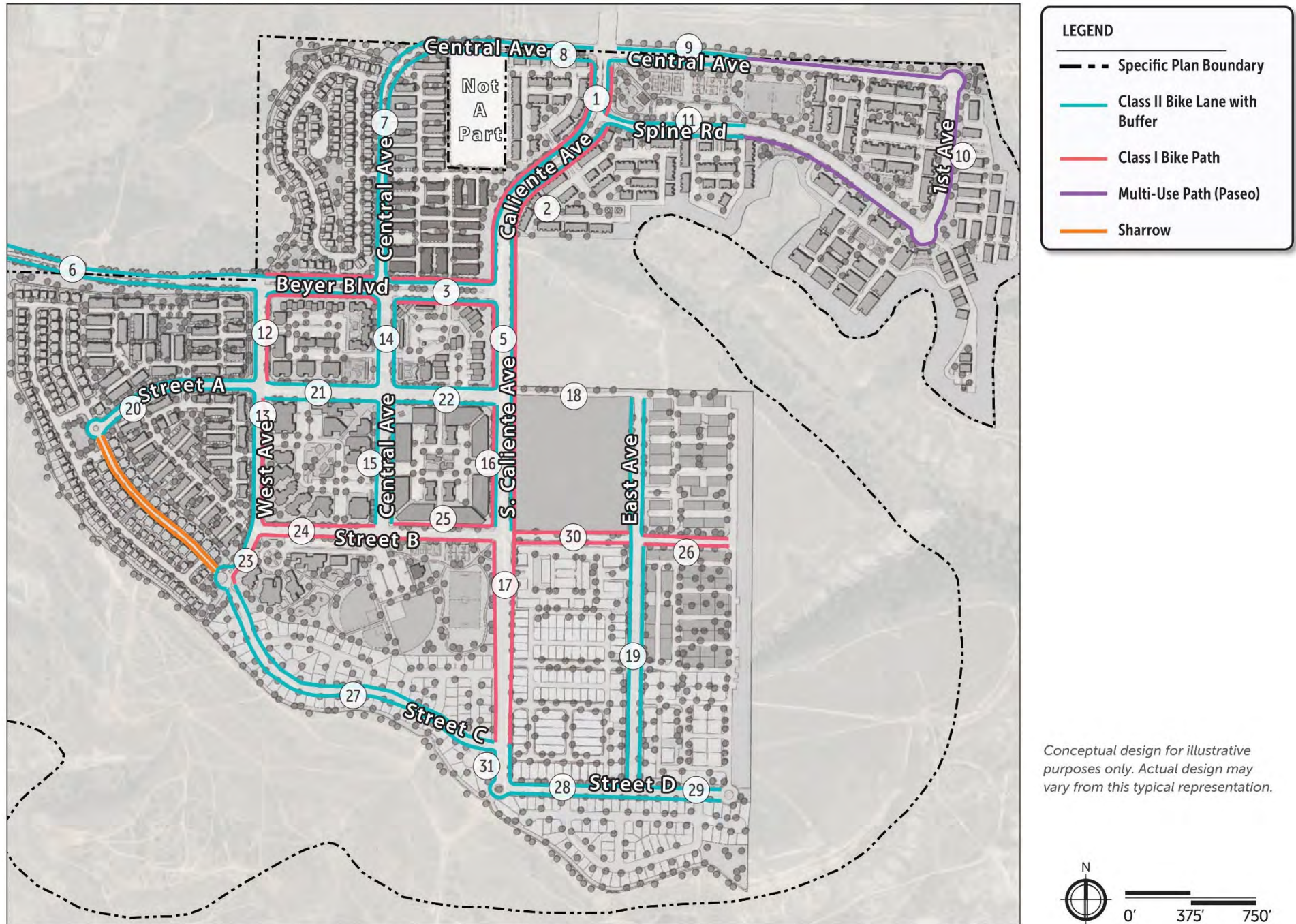


Figure 4.2 – Bicycle Facility Network



Conceptual design for illustrative purposes only. Actual design may vary from this typical representation.

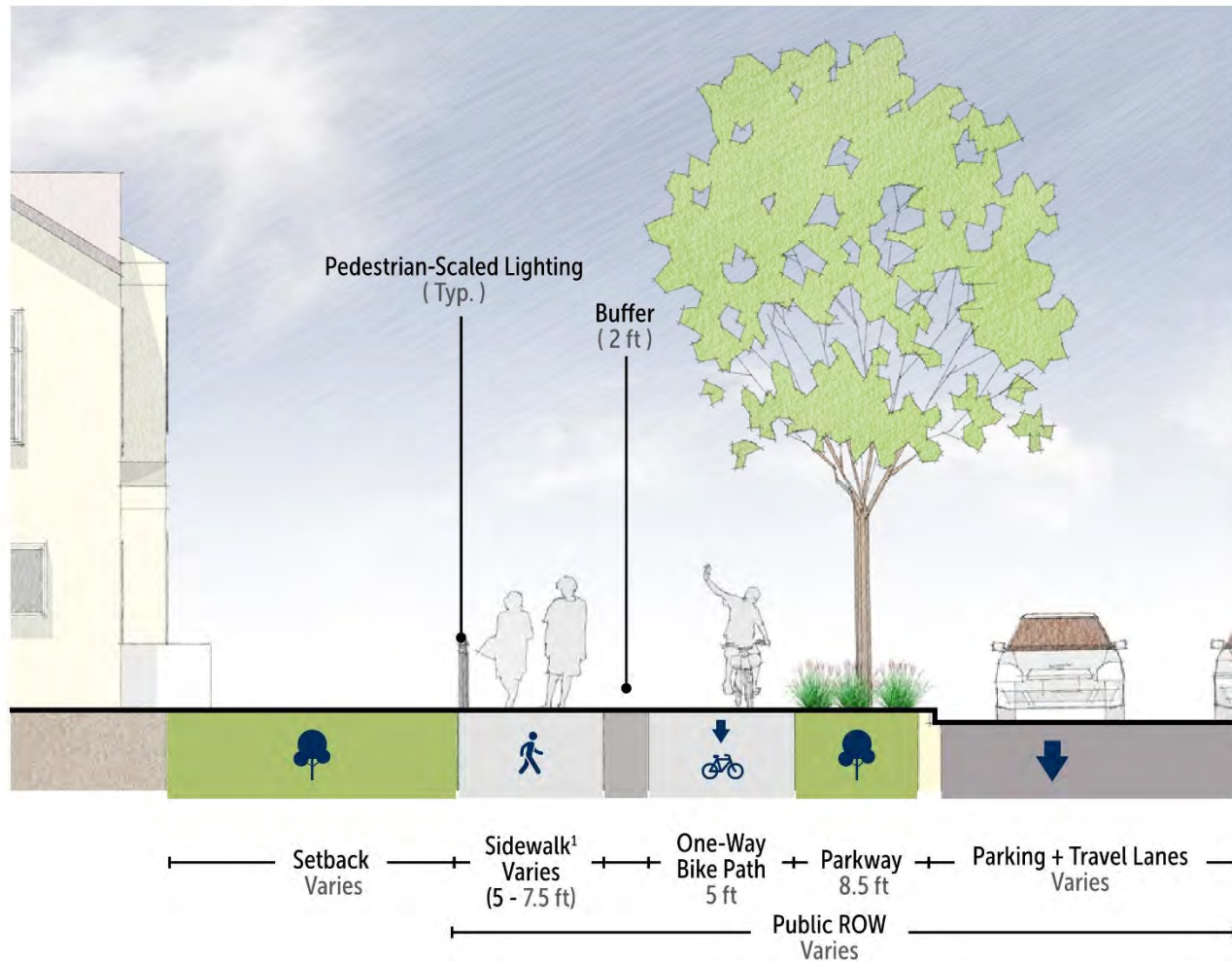
### 4.3.1 – Class I Bike Paths

- ~~Class I bike paths within Southwest Village~~ provide single-directional bicycle facilities that are associated with transportation corridors and are incorporated into new development.
- Class I bike paths are adjacent to high automobile traffic areas and will be separated from traffic flow by street trees and landscaping in the parkway landscaping area.
- ~~Class I bike paths include a minimum 5-foot travel lane for bicycles and separate sidewalks for pedestrians.~~
- ~~Sidewalk widths will be determined by the street design standards in this the Specific Plan.~~
- ~~A minimum 2-foot striped buffer should be provided to separate the bicycle lane from the pedestrian area.~~
- The components of a one-way Class I bike path are illustrated ~~on~~ *in Figure 4.3, Class I Bike Path Cross-Section.*
- ~~The buffer should incorporate paint or other treatments to visually demarcate the buffer area.~~
- ~~Grades on these bike paths will should generally be gentle; however, bike paths adjacent to roads may exceed typical bike path standards.~~
- ~~Class I bike paths have improved surfacing, typically through asphalt, concrete, pavers, and other hard surfaces.~~
- At intersections, the Class I bike path can be dropped and merged onto the street, or it can be maintained at sidewalk level, where bicyclists cross with pedestrians, possibly with a dedicated bicycle signal.



One-way Class I Bike Paths

Figure 4.3 — One-Way Class I Bike Path Cross-Section



Notes:

1. Includes a 6-inch buffer for curb and a 6-inch buffer for proposed pedestrian scale lighting within the public right-of-way (ROW).

### 4.3.2 – Class II Bike Lanes with Buffer

- Class II bike lanes with a buffer will be included as part of the public streets identified in [Table 4.2, Bicycle Facility Type by Street Segment](#).
- Class II bike lanes allocate a portion of the roadway-street for bicyclists by using pavement striping and signage.
- ~~Class II Within the Southwest Village Specific Plan~~ a bike lane ~~should will~~ be a minimum of 6 feet and include a buffer with a minimum width of 2 feet between the bike lane and the vehicle travel lane.
- The buffer will be defined by painted markings in the roadstreet.
- —
- Class II bike lanes with a buffer should be designed based on the City’s Bicycle Facilities Design Guidelines.



*Example photos of Class II bike lanes with buffer.*

## 4.4 — PEDESTRIAN NETWORK

Southwest Village will include a network of sidewalks, paseos, and trails organized around the grid network of public streets. A non-contiguous sidewalk will be included on both sides of all public streets except Beyer Blvd ~~Boulevard West~~, and the community will be surrounded by a perimeter trail to provide access along the edge of the development and open spaces. ~~Sidewalk shall be a minimum of five feet in width, except along Beyer Blvd West due to environmental constraints. In addition, Paseos will may~~ be located where opportunities exist to enhance connectivity in Southwest Village. The proposed pedestrian network for the Southwest Village Specific Plan is shown ~~on~~ in [Figure 4.5, Pedestrian Facility Network](#). For Pedestrian System ~~Design Guidelines~~Policies, see [Section 3.5.2, Pedestrian System Policies](#).

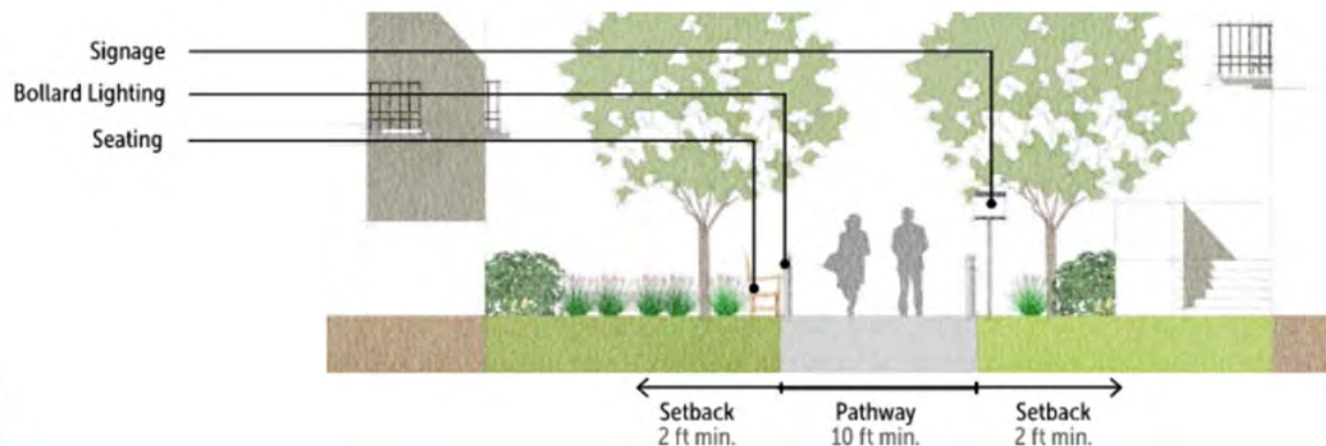
### 4.4.1 — Class I Multi-Use Paths

- Class I multi-use paths are part of the public right-of-way, intended for exclusive use by bicyclists, pedestrians, and those using non-motorized modes of travel.
- Class I multi-use paths ~~They~~ are physically separated from vehicular traffic in an exclusive right-of-way.
- Class I Multi~~multi~~-use paths are used in areas of light vehicular travel for a more neighborhood feel.

### 4.4.2 — Paseos

- Paseos are multipurpose pathways within, adjacent to, or through developments.

Figure 4.4 – Typical Paseo Cross-Section



## —Paseos

- Although paseos are not associated with a street or within the public right-of-way, paseos may be adjacent or parallel with easements that allow public access.
- Paseos are typically within, adjacent, or through planned development.
- Although paseos are not associated with a roadway or within public right of way, they may be adjacent or parallel with easements that allow public access.
- Paseos serve as connector trails by improving access and facilitating connections between and through development.
- As shown in *Figure 4.4, Typical Paseo Cross-Section*, paseos should have a hard surface or a soft-surface that is suitable for use by bicycles and pedestrians.
- Lighting, wayfinding signage, and landscaping should be provided as part of paseos while considering the location near adjacent development.
- Paseos should have an active frontage, provide an opportunity for amenities, and allow for pedestrian and bicycle travel.
- Paseos provide There is also an opportunity to locate recreational amenities as part of the paseo to active-activate the space and provide additional opportunities for recreation.

### 4.4.3 — Mid-Block Crossings

- Consider providing mid-block crossings in locations where there is a significant pedestrian desire to cross a street such as schools or parks.
- Ensure that mid-block pedestrian crossings comply with City Council Policy 200-07, Comprehensive Pedestrian Crossing Policy.

## ~~4.5 — STREET DESIGN STANDARDS~~

~~Street design standards for each classification shown on *Figure 4.1, Figure 4.1, Street Classifications*, and summarized in *Table 4.1, Street Classification by Segment*, are further~~

~~described on the following pages. Upon approval of the Specific Plan, the following street design standards shall supersede the applicable standards within the City of San Diego Street Design Manual as it pertains to the Southwest Village. The following sections include specification tables that include the modifications to the City of San Diego Street Design Manual as they apply to the Specific Plan area:~~

Figure 4.5 – Pedestrian Facility Network

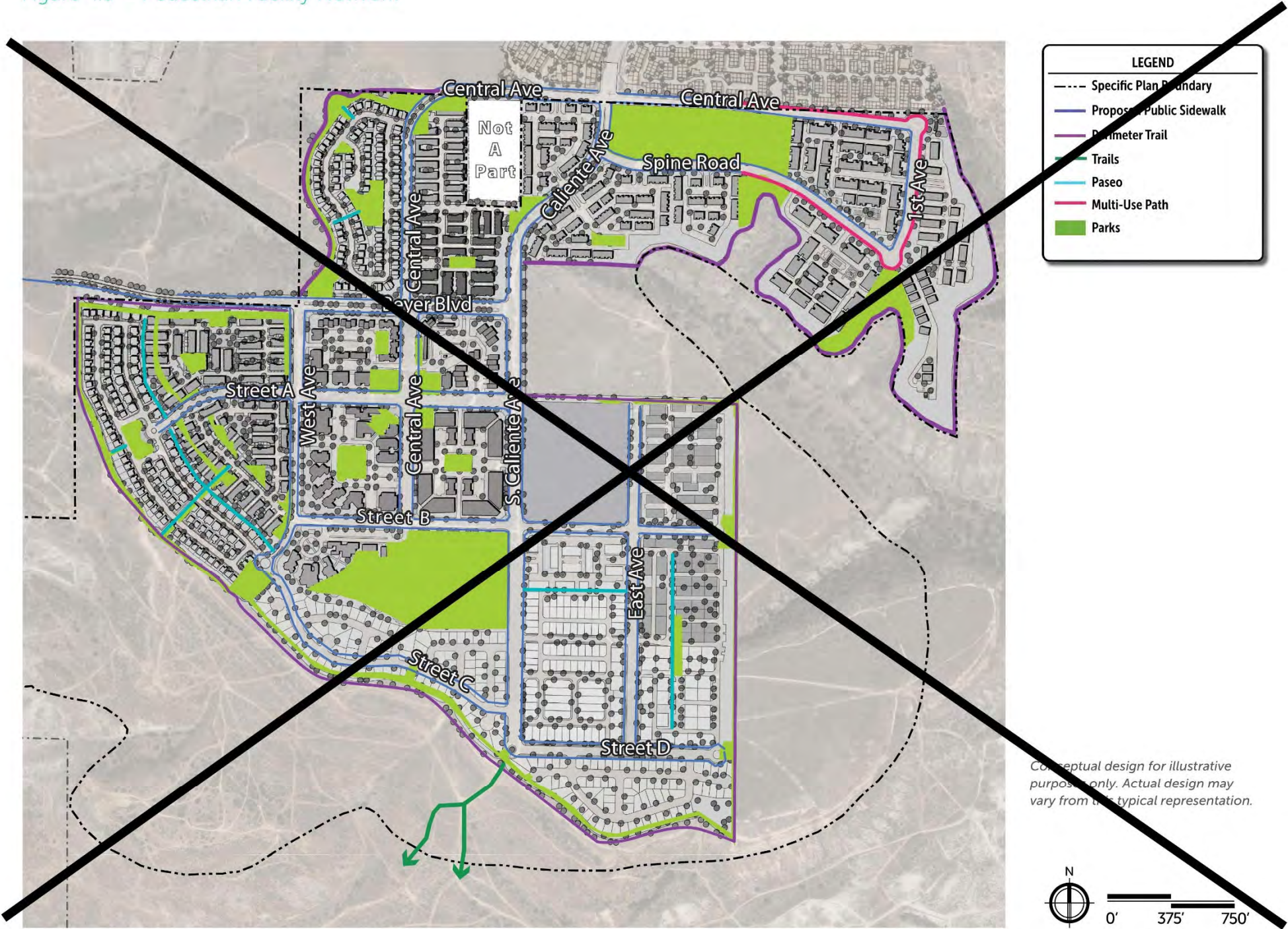
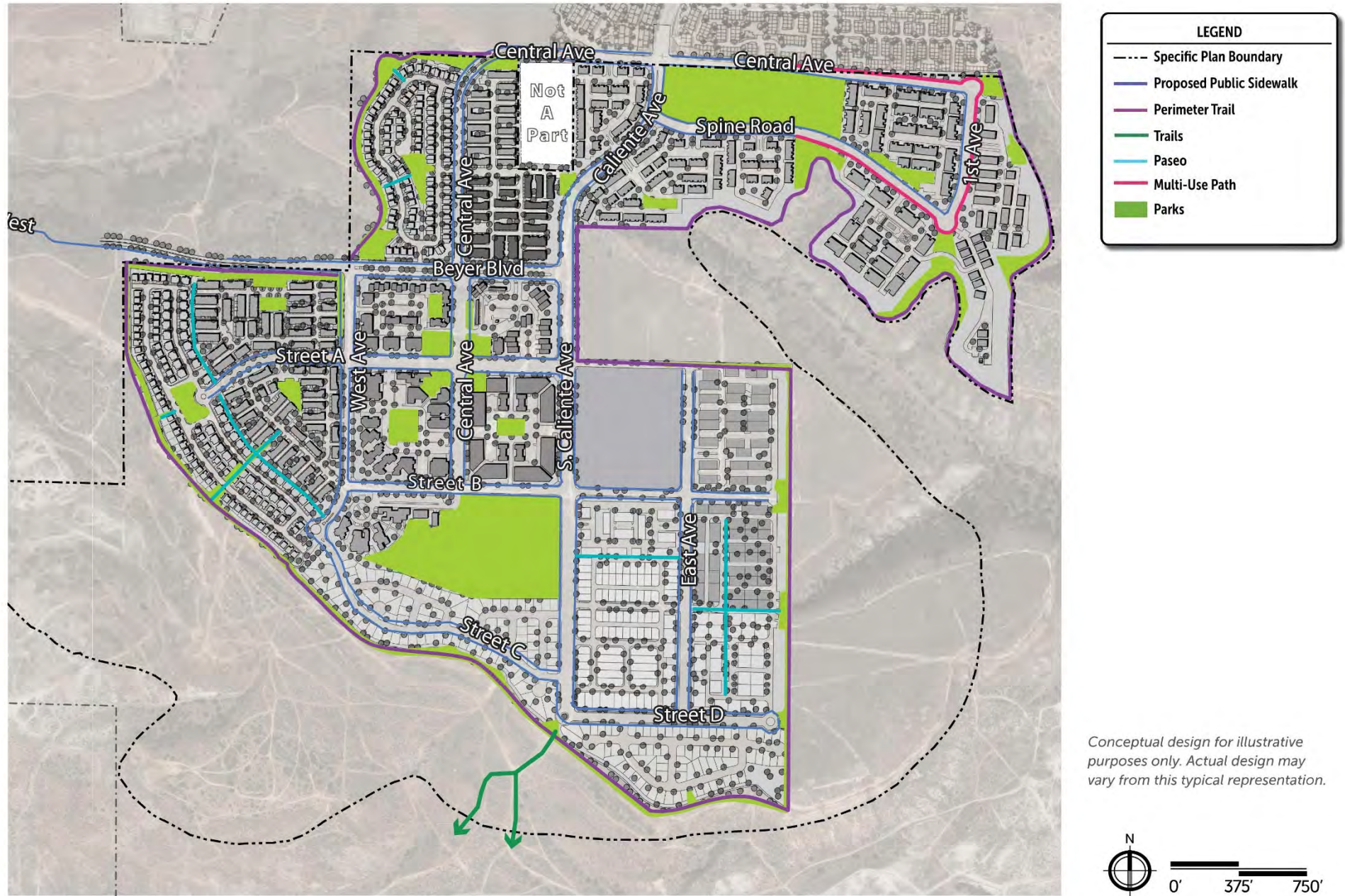


Figure 4.5 – Pedestrian Facility Network



## 4.5 — STREET DESIGN STANDARDS

Street design standards for each classification shown in *Figure 4.1, Street Classifications*, and summarized in *Table 4.1, Street Classification by Segment*, are further described on the following pages. The following street design standards shall supersede the applicable standards within the Street Design Manual as they pertain to the Southwest Village. The following sections include specification tables that include the modifications to the Street Design Manual as they apply to the Specific Plan area. Refer to *Section 7.9, Supplemental Development Regulations*.

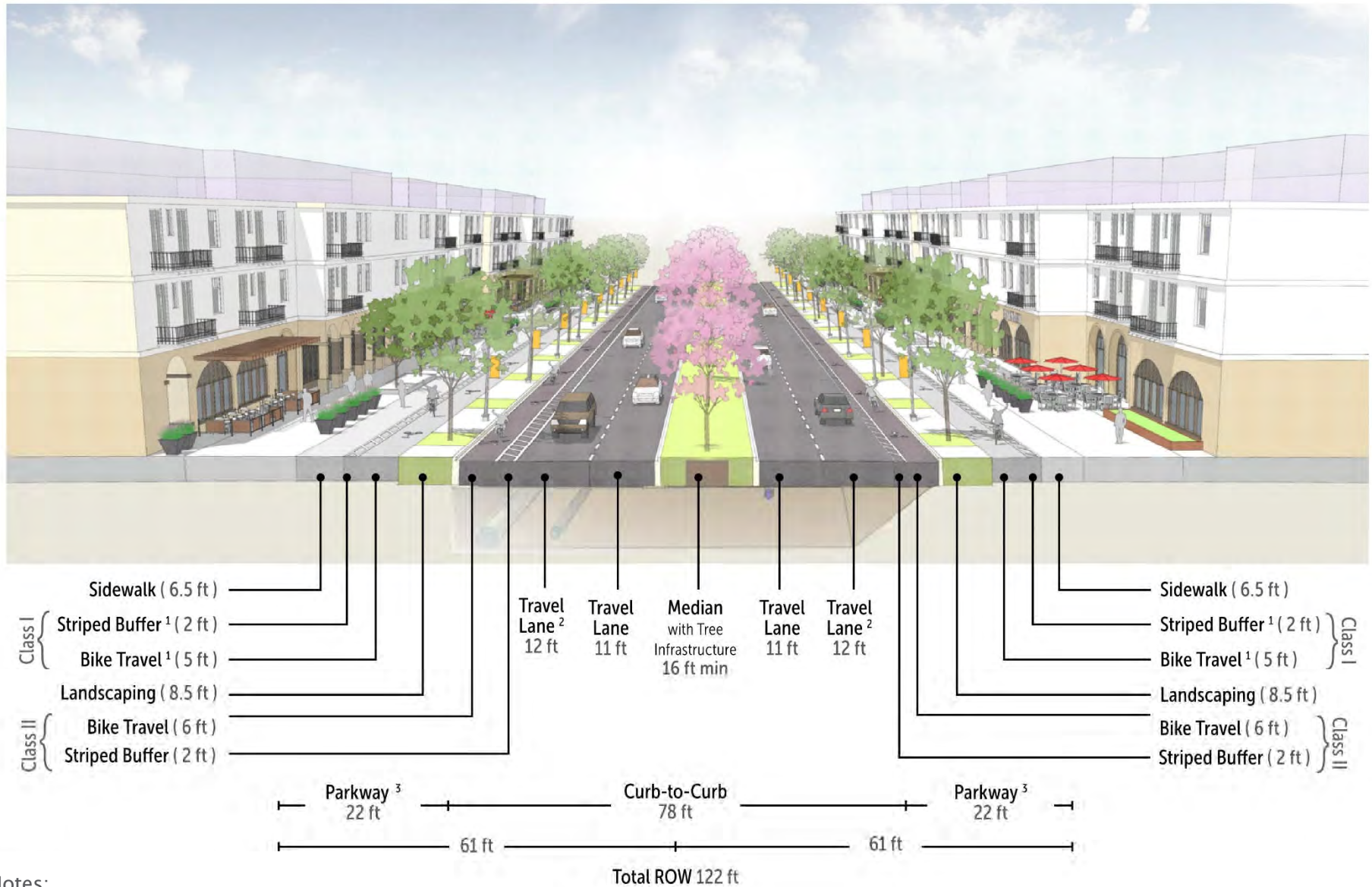
### 4.5.1 — Modified 4-Lane Urban Collector with Class I Bike Paths and Class II Bike Lanes

- Caliente Avenue, north of Street B, is planned as a Modified 4-Lane Urban Collector, designed to accommodate high traffic volumes and provide the primary access in and out of Southwest Village.
- The Modified 4-Lane Urban Collector provides two travel lanes and a buffered Class II bike lane in each direction, divided by a raised median.
- Modifications have been made to the cross-section in the City’s Street Design Manual to include a Class I bike facility as part of the parkway and to remove on-street parking.
- Non-contiguous sidewalks and landscaping strips are also included on both sides.
- A Community Plan Amendment is required for the downgrade of Caliente Avenue, between Beyer Blvd and Central Ave, from a 6-Lane Major Arterial to a Modified 4-Lane Urban Collector. *Figure 4.6* shows a cross-section of a Modified 4-Lane Urban Collector with Class I Bike Paths and Class II Bike Lanes.



SPECIFICATIONS	
Based on <u>the</u> City of San Diego Street Design Manual (March 2017 Edition) Four-Lane Urban Collector Specifications	
Applicable Streets	Caliente Avenue: (north of Street B)
Urban Parkway	22-Foot' <b>Wide</b> Parkway <b>with</b> Non-Contiguous Sidewalk
Themed-Street Tree	Parkway: Podocarpus gracilior (Fern Pine) Raised Median: Cercis occidentalis (Western Redbud)
Modifications to Street Design Manual ( <u>Refer to Section 7.9</u> )	<ol style="list-style-type: none"> <li>1. <del>Modified to include a</del> <b>one-way Class I bike path shall be included</b> on each side of the street, in addition to the Class II buffered bike lane.</li> <li>2. <del>Reduced design</del> <b>Design speed shall be reduced.</b></li> <li>3. <del>Modified to remove on-street parking</del> <b>shall not be included.</b></li> <li>4. <del>The right-of-way shall be</del> <b>Widened an additional 10 feet</b> at approaches to intersecting four- or six-lane streets to provide a minimum of 250 feet of two-lane left-turn storage, exclusive of transitions.</li> <li>5. <del>Includes a</del> <b>mid-block pedestrian crossing shall be included</b> on Segment 2 to intercept with the perimeter trail</li> <li>6. Receiving lanes for dual lefts shall be 12 feet wide.</li> </ol> <p><b>Mid-block pedestrian crossings shall comply with City Council Policy 200-007, Comprehensive Pedestrian Crossing Policy</b></p>
Notes	

Figure 4.6 — Modified Cross-Section for 4-Lane Urban Collector with Class I Bike Paths and Class II Bike Lanes

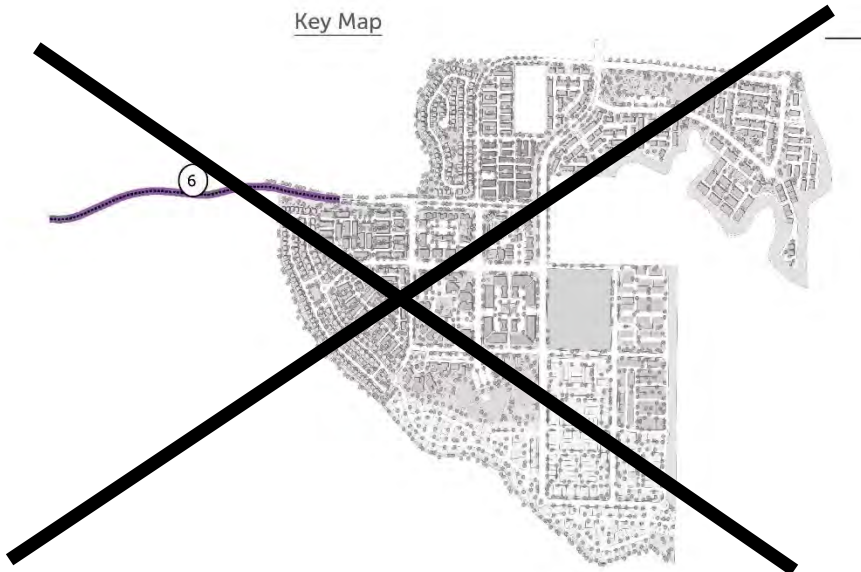


Notes:

1. See Section 4.3.1 for Class I *Bike Paths* design guidelines.
  2. The outside travel lane has a width of 12 feet to provide additional buffer from bike lanes.
  3. Includes 6-inch curb.
- \* Section represents a typical condition.

## 4.5.2 — Beyer Boulevard- West (Modified 4-Lane Urban Collector (Built with 2 Lanes Due to Environmental Constraints)) with Class II Bike Lanes with Buffer

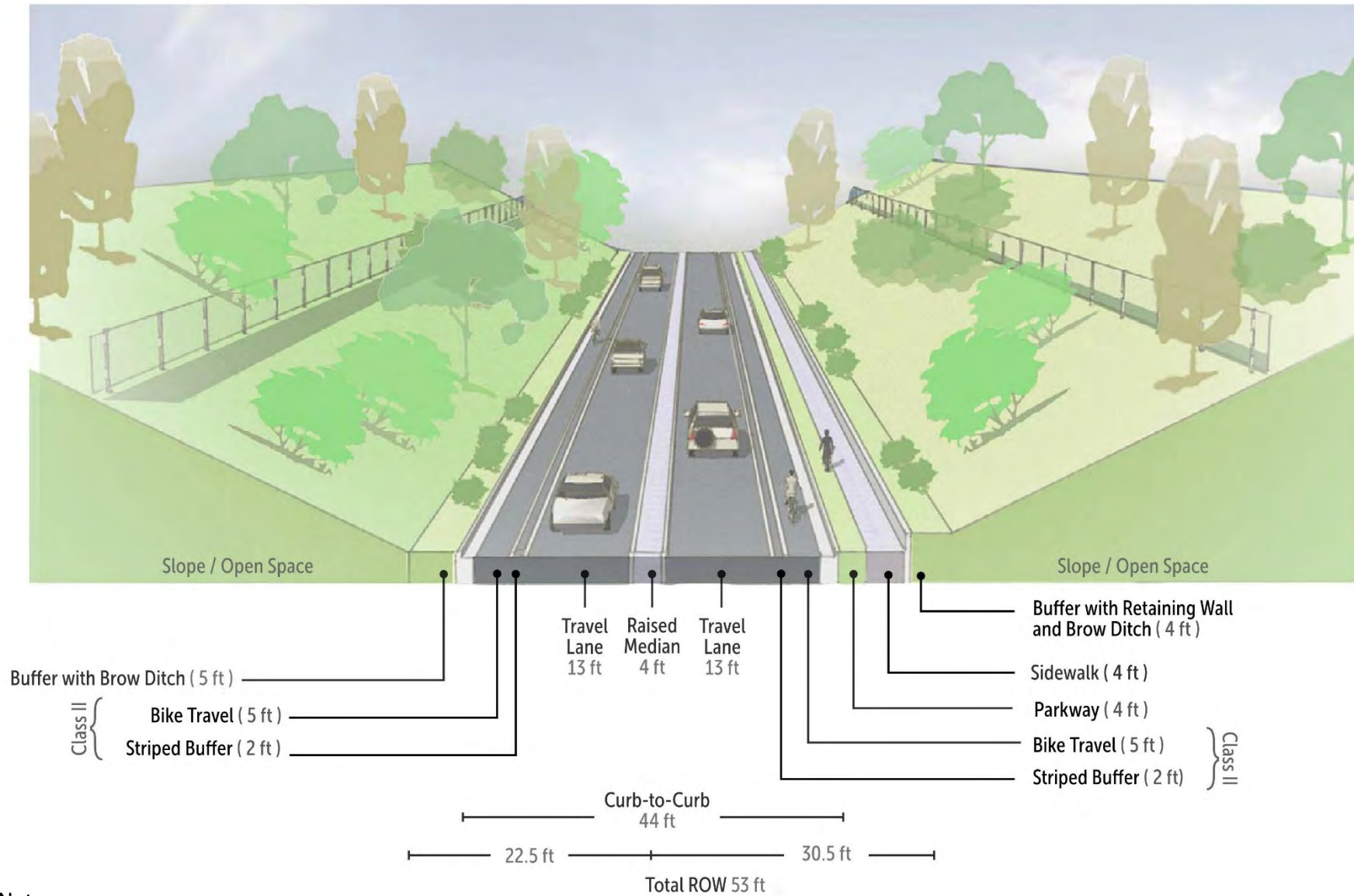
- ~~A modified 4-Lane Urban Collector configuration is proposed for the western section of Beyer Boulevard beginning at the intersection with West Avenue and extending to the San Ysidro community will have a modified 4-Lane Urban Collector configuration with the right-of-way width reduced due to environmental constraints - biological resources and geological hazards - to the maximum extent possible.~~
- ~~The point of connection of Beyer Boulevard Blvd West will meet at the existing intersection of Beyer Blvd Boulevard and Enright Drive, as seen shown in Figure 1.1.~~
- ~~This modified version of the 4-Lane Urban Collector includes one lane of travel in each direction, a sidewalk on the south side, and buffered Class II bike lanes on each side.~~
- ~~Figure 4.7 shows a cross-section for the Beyer Boulevard West, Modified 4-Lane Urban Collector.~~



SPECIFICATIONS	
Based on <u>the</u> City of San Diego Street Design Manual (March 2017 Edition) Four-Lane Urban Collector Street Specifications	
Applicable Streets	Beyer <del>Boulevard Blvd</del> West (west of West Avenue)
Themed Street Tree	<del>No trees will</del> <b>shall not</b> be planted within the right-of-way due to environmental constraints
Modifications to Street Design Manual (Refer to Section 7.9)	<ol style="list-style-type: none"> <li>1. <del>Modified to The</del> <b>reduce the curb-to-curb width by shall be reduced</b>, including one lane of travel in each direction, a sidewalk on the south side, reduced sidewalk width, reduced median width, reduced parkway width, and eliminating on-street parking to minimize the total right-of-way width due to environmental constraints.</li> <li>2. Transition from 4 lanes to 2 lanes <del>will</del> <b>shall</b> occur west of West Avenue.</li> </ol>



Figure 4.7 — Modified Cross-Section for 4-Lane Urban Collector (Built with 2 Lanes Due to Environmental Constraints)



Notes:

- 1. Includes 6-inch curb.
- \* Section represents a typical condition.

### 4.5.3 — Beyer Blvd Boulevard East (Modified 4-Lane Urban Major with Class I Bike Path and Class II Bike Lanes With Buffer)

- ~~Beyer Boulevard East is planned as a modified 4-Lane Urban Major with Class I Bike Path and Class II Bike Lanes. is proposed for Beyer Boulevard East.~~
- The modified version of the 4-Lane Urban Major has a raised median and parkways, but includes the same number of travel lanes in each direction and a Class I multi-use bike path and buffered Class II bike lanes on each side.
- *Figure 4.8* shows a modified cross-section for Beyer Boulevard East, Modified 4-Lane Urban Collector.

#### SPECIFICATIONS

Based on the City of San Diego Street Design Manual (March 2017 Edition) Four-Lane Urban Major Specifications

Applicable Streets	Beyer <del>Blvd</del> <u>Boulevard</u> East (east of West Avenue)
<del>Themed</del> Street Tree	Parkway: <i>Podocarpus gracilior</i> (Fern Pine) Median: <del>Cercis</del> <u>Cercis</u> <i>occidentalis</i> (Western Redbud)
Modifications to Street Design Manual (Refer to Section 7.9)	<ol style="list-style-type: none"> <li>1. <del>Modified to reduce the</del> <u>The</u> width of the landscaped parkway <u>shall be reduced.</u></li> <li>2. <del>Modified to include</del> Class I <u>multi-use bike</u> paths <u>shall be included</u> within the parkway <del>to implement the Otay Mesa Community Plan</del></li> <li>3. <del>Modified to reduce the</del> <u>The</u> curb-to-curb width <u>shall be reduced</u> by eliminating on-street parking.</li> </ol>

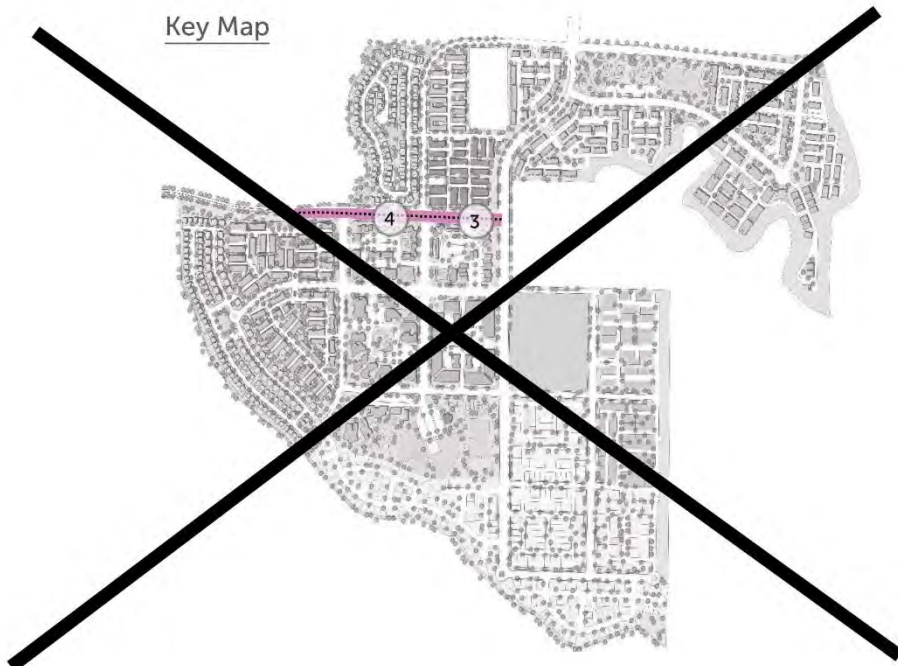
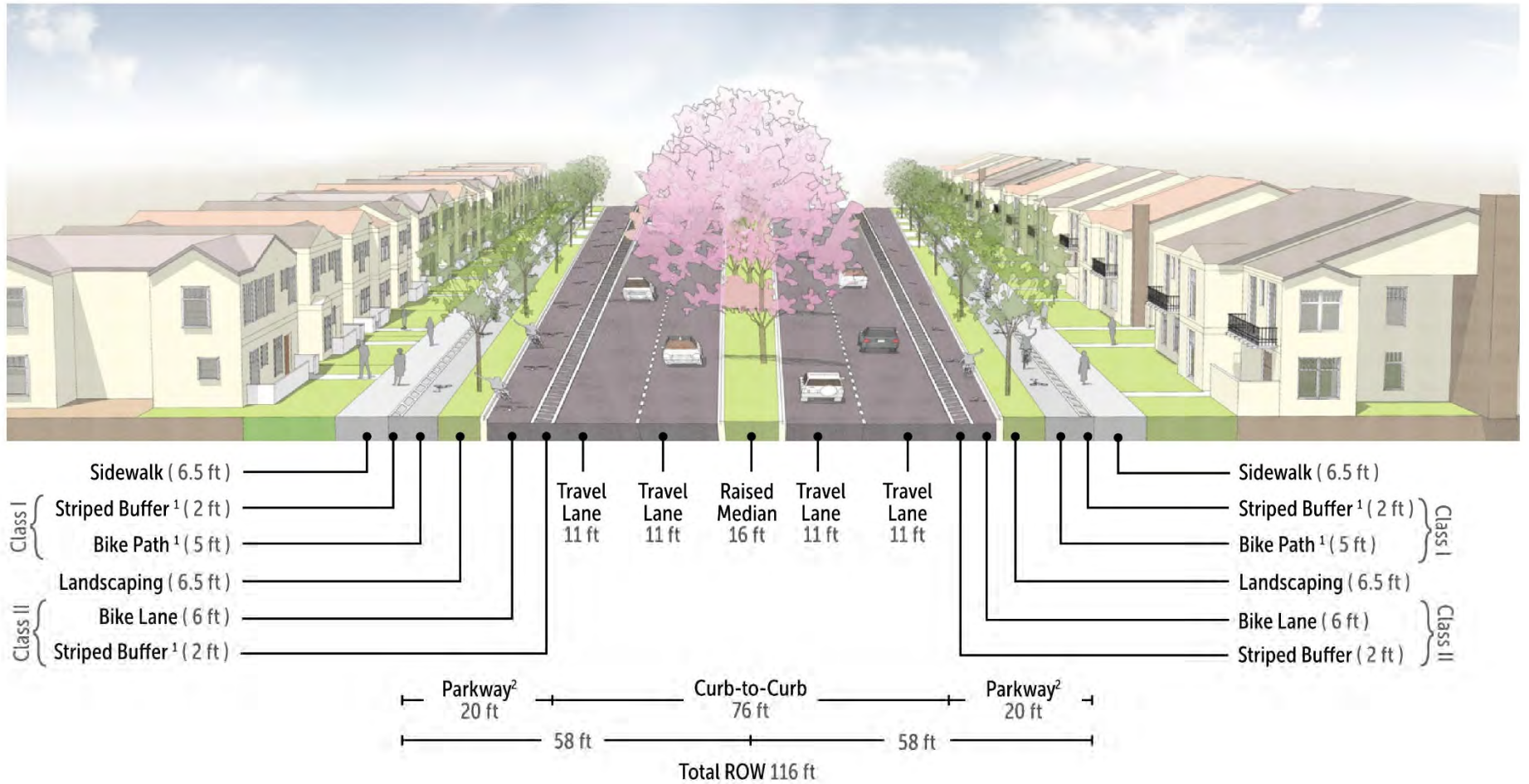


Figure 4.8 - Modified Cross-Section for 4-Lane Urban Major with Class I Bike Path and Class II Bike Lanes With Buffer



Notes:

1. See Section 4.3.1 for Class I Bike Paths design guidelines.
  2. Includes 6-inch curb.
- \* Section represents typical condition.

#### 4.5.4 — 2-Lane Collector with Two-Way Center Left Turn Lane with Class II Bike Lanes with Buffer

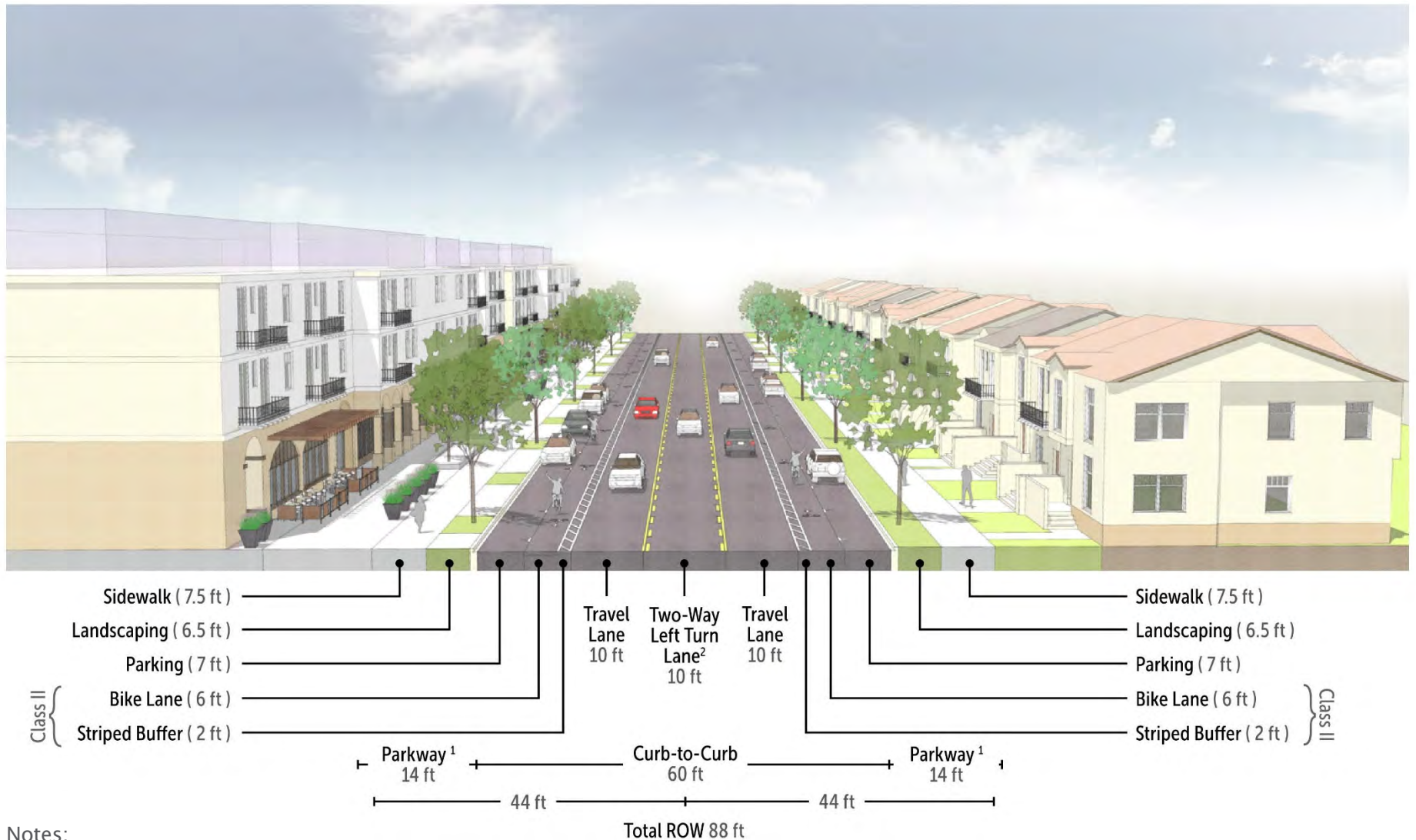
- Central Avenue (east of Caliente Avenue, and between Beyer Boulevard East and Street A), Street A (between Central Avenue and South Caliente Avenue), and Spine Road (west) are planned as a 2-Lane Collector Street with Two-Way Center Left Turn Lane. ~~is included in Southwest Village to provide connections from Caliente Avenue and Beyer Boulevard into Southwest Village.~~
- The cross-section includes one travel lane in each direction, separated by a two-way center left turn lane.
- Each side includes a Class II buffered bike lane, on-street parallel parking, and a landscaped area with an adjacent non-contiguous sidewalk.
- **Figure 4.9** shows the roadway section of a Modified 2-Lane Collector Street with Two-Way Center Left Turn Lane with Class II Bike Lanes with Buffer.

Key Map



SPECIFICATIONS	
Based on <u>the</u> City of San Diego Street Design Manual (March 2017 Edition) Two-Lane Collector with Two Way Left Turn Lane Specifications	
Applicable Streets	Central Avenue: (east of Caliente Avenue, and between Beyer Boulevard East and Street A), Street A (between Central Avenue and South Caliente Avenue); Spine Road (west)
Urban Parkway	14-foot <sup>2</sup> Parkway with Tree Grates
Themed Street Tree	Segments 9 and 11: Platanus racemosa (California Sycamore) Segments 14 and 22: Tipuana tipu (Tipu Tree)
Modifications to Street Design Manual (Refer to Section 7.9)	<ol style="list-style-type: none"> <li>1. <del>Modified to include</del> 6-foot Class II bike lanes with <u>a</u> buffer <u>shall be included.</u></li> <li>2. <u>Two-way left-turn lane shall be considered only for streets of limited length where intersections are closely spaced or where there is extensive driveway access.</u></li> </ol>

Figure 4.9 — Modified Cross-Section for 2-Lane Collector with Two-Way Center Left Turn Lane with Class II Bike Lanes with Buffer



Notes:

1. Includes 6-inch curb.

2. Where the Two-Way Left Center Turn Lane is not needed, a raised center median should be considered to address access management

\* Section represents a typical condition.

#### 4.5.5 — Modified 2-Lane Collector with Two-Way Center Left Turn Lane and Class I Bike Path

- ~~South Caliente Avenue (between Street B and Street C) and Street B between South Caliente Avenue and East Avenue A will have~~ are planned as a modified version of the 2-Lane Collector with Two-Way Left Turn Lane and Class I Bike Path ~~is included along S. Caliente Ave and Street B between S. Caliente Ave and East Ave.~~
- The street cross-section is modified to include a separated, Class I bike path to extend the facility through Southwest Village and connect to Caliente Avenue and Beyer Blvd ~~Boulevard~~ East. The modification removes the on-street bike lane to provide a separated, Class I bike path as part of the parkway area.
- *Figure 4.10* shows the cross-section of the Modified 2-Lane Collector with Two-Way Left Turn Lane and Class I Bike Path.

SPECIFICATIONS	
Based on <u>the</u> City of San Diego Street Design Manual (March 2017 Edition) Two-Way Left Turn Lane Specifications	
Applicable Streets	<del>South: Caliente Avenue; (between south of Street B and to Street C) and Street B (between South: Caliente Avenue and East Avenue)</del>
Themed Street Tree	Podocarpus gracilior (Fern Pine)
Modifications to Street Design Manual <u>(Refer to Section 7.9)</u>	1. Modified to include <del>a</del> <u>a</u> one-way Class I bike path <u>shall be included</u> on each side of the street.

Key Map



Figure 4.10 — Modified Cross-Section for 2-Lane Collector with Two-Way Left Turn Lane and Class I Bike Path



Notes:

1. See Section 4.3.1 for Class I **Bike Paths** design guidelines.
  2. Includes 6-inch curb.
- \* Section represents a typical condition.

#### 4.5.6 — 2-Lane Collector with Two-Way Center Left Turn Lane, Class II Bike Lane with Buffer on West Side, and Class I Bike Path on East Side

- The northernmost segment of West Ave (north of Street A) is planned as a modified version of the 2-Lane Collector with Two-Way Center Left Turn Lane ~~is also included along the northernmost segment of West Ave.~~
- The street cross-section is modified to include a Class I bike path on the east side of the street near the Village Core and to extend the facility through Southwest Village and connect to Beyer Boulevard Blvd.
- The modification removes the on-street bike lane to provide a Class I bike path as part of the parkway area on the east side of the street. A buffered Class II bike lane will also be provided on the west side of the street.
- Figure 4.11 shows the cross-section of the Modified 2-Lane Collector with Two-Way Center Left Turn Lane, Class I bike path on the east side, and a buffered Class II bike lane on the west side of the street.

Key Map



SPECIFICATIONS	
Based on <u>the</u> City of San Diego Street Design Manual (March 2017 Edition) Two-Way Left Turn Lane Specifications	
Applicable Streets	West Avenue (north of Street A)
Themed Street Tree	Rhus <del>lancea</del> <u>lancea</u> (African Sumac)
Modifications to Street Design Manual (Refer to Section 7.9)	<ol style="list-style-type: none"> <li>1. <del>Modified on the</del> <u>The</u> east side of the street <del>to shall</del> replace the Class II on-street bike lane with a one-way Class I bike path.</li> <li>2. Parking on one side of the street <del>shall may be acceptable</del> <u>provided as an in</u> interim <del>conditions</del> <u>condition; so long as the applican has demonstrated parking has been sufficiently supplied onsite until full width improvements can be provided for West Avenue.</u></li> </ol>

Figure 4.11 — Modified Cross-Section for 2-Lane Collector with Two-Way Center Left Turn Lane and Class II Bike Lane with Buffer on West Side and Class I Bike Path on East Side

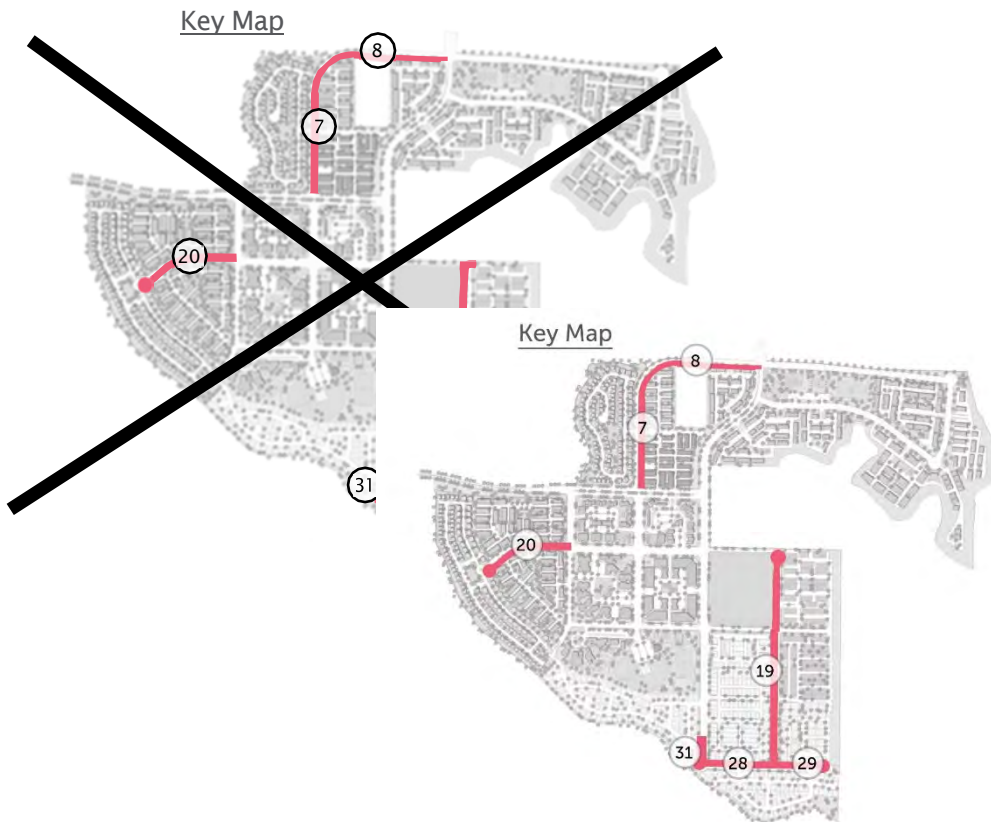


Notes:

1. See Section 4.3.1 for Class I Bike Paths design guidelines.
  2. Some areas may not include parking on one side in an interim condition (see page 94).
  3. Includes 6-inch curb.
- \* Section represents a typical condition.

## 4.5.7 — 2-Lane Collector with Class II Bike Lanes

- Central Avenue (north of Beyer Boulevard East), Street A (west of West Avenue), East Avenue, Street D, and South Caliente Avenue (south of Street C) are planned as a 2-Lane Collector Street with Class II Bike Lanes, which provide access from key streets within Southwest Village to individual planning areas.
- The 2-Lane Collector Streets provide for one lane of travel in each direction and parking, an on-street Class II buffered bike lane, landscaping, and a sidewalk on each side of the street.
- Figure 4.12 shows a modified 2-Lane Collector with Class II Bike Lanes.



SPECIFICATIONS	
Based on <u>the</u> City of San Diego Street Design Manual (March 2017 Edition) Two-Lane Collector Specifications	
Applicable Streets	Central Avenue: (north of Beyer <del>Boulevard East Blvd</del> ); Street A (west of West Avenue); East Avenue; Street D; <del>South:</del> Caliente Avenue (south of Street C)
Min-Minimum Curve Radius	500 feet above 6 percent% grade ( <del>max</del> maximum): superelevation 450 feet at or below 6 percent% grade ( <del>maximum</del> max): superelevation
Themed Street Tree	Segments 7, 8, 20: <del>Lagerstromia Lagerstroemia</del> indica (Crape Myrtle) Segments 19, 28, 29, and 31: Jacaranda mimosifolia (Jacaranda)
Modifications to Street Design Manual (Refer to Section 7.9)	<ol style="list-style-type: none"> <li>1. <del>Modified to include a</del> Class II buffered bike lane <u>shall be included</u> on each side of the street.</li> <li>2. Segments 7 and 8 <del>are modified to</del> <u>shall</u> include a minimum curve radius of 348 feet on Central Avenue.</li> <li>3. Segment 7 <del>is modified to</del> <u>shall</u> allow parking on only <u>the</u> east side of the street <del>since on-street parking requirements are met within Planning Area 9 and 10</del> <u>to provide buffered Class II bike lanes on both sides of the street.</u></li> </ol>

Figure 4.12 — Modified Cross-Section for 2-Lane Collector with Class II Bike Lanes



Notes:

- 1. Some areas may not include parking.
- 2. Includes 6-inch curb.
- \* Section represents a typical condition.

## 4.5.8 — 2-Lane Sub-Collector with Class II Bike Lanes

- ~~Street C is planned as a 2-Lane Sub-Collector Street, which provides access from key streets within Southwest Village to individual planning areas.~~
- ~~The 2-Lane Sub-Collector Streets provides for one lane of travel in each direction, on-street parking, and Class II buffered bike lane, landscaping, and a sidewalk on each side of the street.~~
- ~~A Sub-Collector classification allows for fronting driveways.~~
- **Figure 4.13** shows a modified 2-Lane Sub-Collector with Class II Bike Lanes.

Key Map

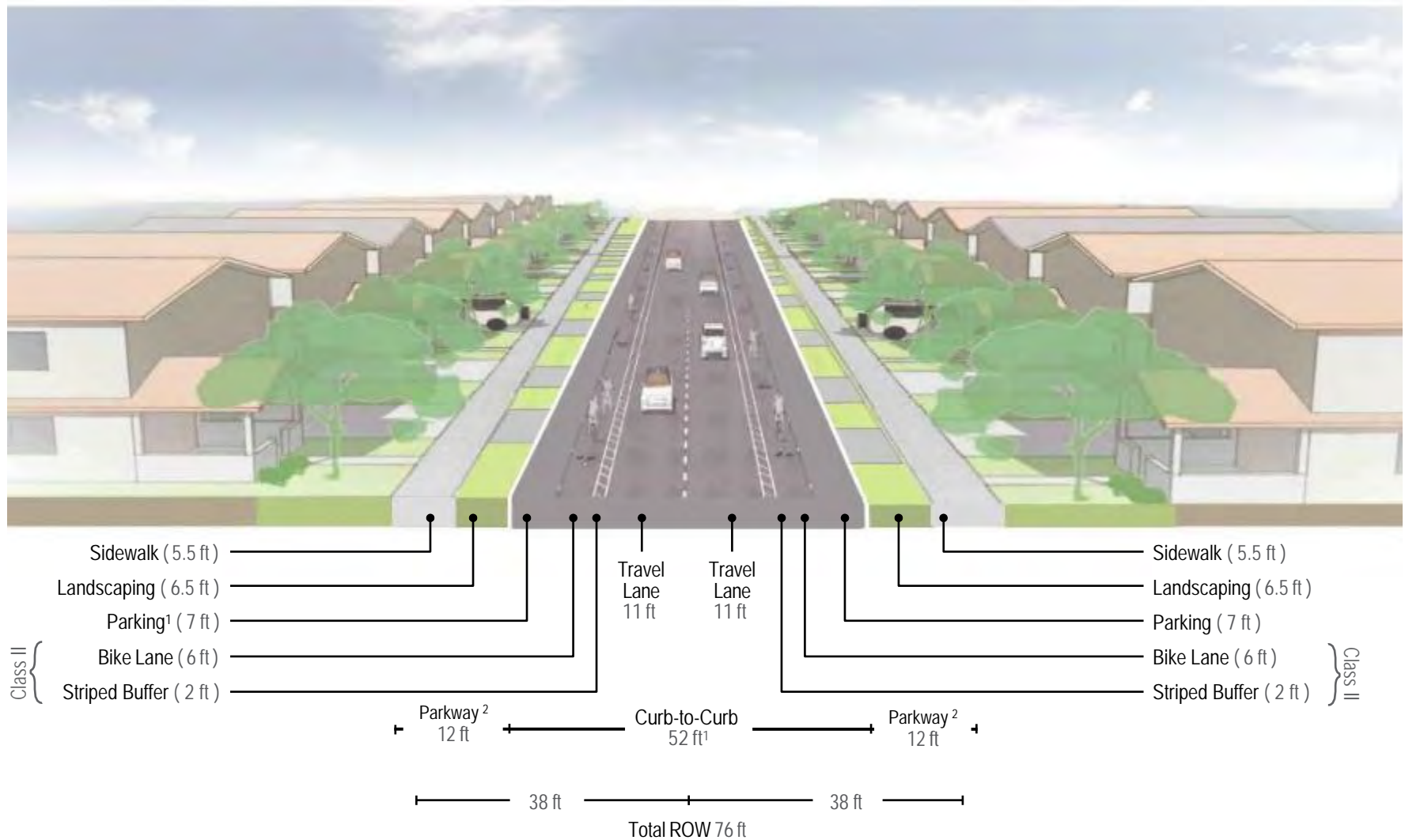


### SPECIFICATIONS

Based on the City of San Diego Street Design Manual (March 2017 Edition) Two-Lane Sub-Collector Specifications

Applicable Streets	Street C
<del>Min-Minimum</del> Curve Radius	500 <del>feet</del> above 6% <del>percent</del> grade ( <del>max</del> <del>maximum</del> :-) superelevation 450 <del>feet</del> at or below 6 <del>percent</del> % grade ( <del>max</del> <del>maximum</del> :-) superelevation
<del>Themed</del> -Street Tree	Segment 27: Jacaranda mimosifolia (Jacaranda)
Modifications to Street Design Manual ( <u>Refer to Section 7.9</u> )	1. <del>Modified to include a</del> Class II buffered bike lane <u>shall be included</u> on each side of the street.

Figure 4.13 — Modified Cross-Section for 2-Lane Sub-Collector with Class II Bike Lanes



Notes:  
 1. Some areas may not include parking.  
 2. Includes 6-inch curb.  
 \* Section represents a typical condition.

#### 4.5.9 — 2-Lane Commercial Collector with Class II Bike Lanes

- Street A (east of West Avenue and west of Central Avenue) and Central Avenue (south of Street A) are planned as a 2-Lane Commercial Collector with Class II Bike Lanes.
- 2-Lane Commercial Collector streets are intended to provide an urban feel with a ~~wider~~ 14-foot wide parkway with tree grates and include on-street parking and Class II buffered bike lanes.
- *Figure 4.14* represents a standard 2-Lane Commercial Collector with Class II buffered Bike Lanes.

Key Map



SPECIFICATIONS	
Based on <u>the</u> City of San Diego Street Design Manual (March 2017 Edition) Two-Lane Collector Specifications	
Applicable Streets	Street A (east of West Avenue; west of Central Avenue); Central Avenue; (south of Street A)
Themed-Street Tree	Tipuana tipu (Tipu tree)
Modifications to Street Design Manual (Refer to Section 7.9)	<ol style="list-style-type: none"> <li>1. <del>Modified to include a</del> <u>A Class II buffered bike lane shall be included</u> on each side of the street.</li> <li>2. <del>Modified to include a</del> <u>14-foot wide</u> Parkway with Tree Grates <u>shall be included.</u></li> </ol>

Figure 4.14 — Typical Cross-Section for 2-Lane Commercial Collector with Class II Bike Lanes



#### 4.5.10 — Modified 2-Lane Collector with Class I Bike Path

- Street B (west of South Caliente Avenue and east of East Avenue) is planned as a modified version of the 2-Lane Collector is also included to provide a with Class I Bike Path.
- The street cross-section is modified in order to provide a Class I bike path on both sides of the street to provide an east-west pedestrian and bicycle connection throughout Southwest Village and increase access to the school and park in the Village Core.
- An example cross-section for the modified 2-Lane Local Collector is included in *Figure 4.15, Modified Cross-Section for 2-Lane Collector with Class I Bike Path.*

SPECIFICATIONS	
Based on the City of San Diego Street Design Manual (March 2017 Edition) Two-Lane Collector Specifications	
Applicable Streets	Street B (west of <del>South</del> Caliente Avenue and east of East Avenue)
Themed Street Tree	<del>Ginkgo biloba</del> Olea europaea fruitless (Olive "fruitless" Maidenhair Tree)
Modifications to Street Design Manual (Refer to Section 7.9)	1. <del>Modified to include a</del> one-way Class I bike path <u>shall be included</u> on each side of the street.

Key Map



Figure 4.15 — Modified Cross-Section for 2-Lane Collector with Class I Bike Path



Notes:

1. See Section 4.3.1 for Class I Bike Paths design guidelines.

2. Includes 6-inch curb.

\* Section represents a typical condition.

#### 4.5.11 — 2-Lane Collector with Class II Bike Lane with Buffer on West Side and Class I Bike Path on East Side

- West Avenue (south of Street A) is planned as a 2-Lane Collector with Class II bike lane with a buffer on the west side and a Class I bike path on the east side.
- The street cross-section is modified. A modified version of the 2-Lane Collector is also included to provide a Class I bike path on the east side of West Avenue near the Village Core to provide a north-south pedestrian and bicycle connection throughout Southwest Village and increase access to the school and park in the Village Core.
- An example cross-section for the modified 2-lane local collector with a Class II buffered bike lane buffer on the west side and a Class I bike path on the east side is included in [Figure 4.16, Modified Cross-Section for 2-Lane Collector with Class II Bike Lane with Buffer on West Side and Class I Bike Path on East Side.](#)

#### SPECIFICATIONS

Based on the City of San Diego Street Design Manual (March 2017 Edition) Two-Lane Collector Specifications

Applicable Streets	West Avenue: (south of Street A)
Themed Street Tree	Rhus <del>lancia-lancea</del> (African Sumac)
Modifications to Street Design Manual ( <u>Refer to Section 7.9</u> )	1. <del>Modified to include a</del> one-way Class I bike path <u>shall be included</u> on the east side of the street and <u>a</u> Class II bike lane on the west side.

Key Map



Figure 4.16 — Modified Cross-Section for 2-Lane Collector with Class II Bike Lane with Buffer on West Side and Class I Bike Path on East Side



Notes:

1. See Section 4.3.1 for Class I Bike Paths *design guidelines*.
  2. Includes 6-inch curb.
- \* Section represents a typical condition.

#### 4.5.12 — 2-Lane Collector with Multi-Use Path on One-Side (Exterior Side)

- Central Avenue (east), 1st Avenue, and Spine Road (east) are planned as a A-modified version of the 2-Lane Collector with a multi-use path on one side.
- ~~The street cross-section is also included to provide a cross section that~~ maintains the configuration of the travel lanes of the 2-Lane Collector.
- Modifications include eliminating parking on one-side and adding space for a meandering paseo on the other side of the street.
- An example cross-section for the modified 2-Lane Collector with Multi-Use Path on One-Side is included in [Figure 4.17](#).
- The exterior side of the multi-use path will be on ~~will the be~~ northern, eastern, and southern sides of ~~First~~ 1st Avenue.

SPECIFICATIONS	
Based on <a href="#">the</a> City of San Diego Street Design Manual (March 2017 Edition) Two-Lane Collector Specifications	
Applicable Streets	Central Avenue <u>ue</u> (east); Spine Road (east); 1st Avenue <u>ue</u> ;
Themed-Street Tree	Platanus <del>recemosa</del> <u>racemosa</u> (California Sycamore)
Modifications to Street Design Manual (Refer to Section 7.9)	<ol style="list-style-type: none"> <li>1. <del>Modified to eliminate p</del> Parking on one-side of the street <u>shall be eliminated</u>.</li> <li>2. <del>Modified to include a</del> meandering variable width</li> <li>3. <del>2. Handscaped paseo between 16 feet and -34 feet wide</del> <u>shall be included</u>.</li> </ol>

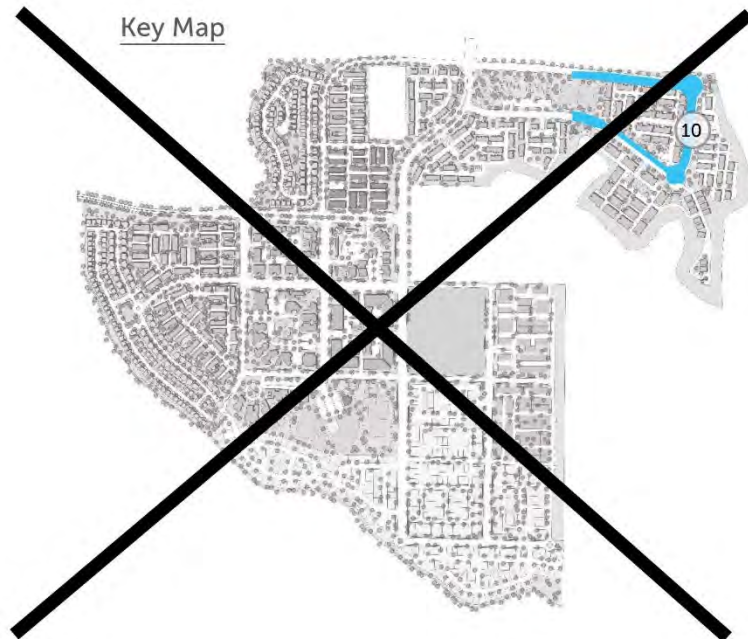


Figure 4.17 — Modified Cross-Section for 2-Lane Collector Street with Multi-Use on One-Side (Exterior Side)



Notes:

1. Includes 6-inch curb.

\* Section represents a typical condition.

### 4.5.13 — Private Drives

- The Specific Plan area includes privately-owned land with planned private drives.
- Private drives are held to different standards than the public roadways per the ~~City of San Diego~~ Street Design Manual.
- Private drives will provide a network of connections to disperse traffic and give people a choice of routes to neighborhood destinations such as schools, parks, and the Village Core.
- Private drive sidewalks will provide direct access to the rest of the Southwest Village.
- ~~Private drives should~~ It is encouraged to incorporate non-contiguous sidewalks on private drives, where possible.
- ~~Class III shared lanes with Sharrows~~ sharrows along private drives will offer connectivity to Class I and Class II bike facilities.
- An example cross-section for a typical Private Drive is included in *Figure 4.18, Typical Cross-Section for Private Drive or Alley*.

### 4.5.14 — Alleys

- An alley is a public right-of-way for secondary means of access, usually lying along the rear of a property.
- Alley-loaded residential prototypes can be used to improve the pedestrian experience along street frontages.
- By moving garage access to alleys, the street-facing facade of homes ~~are~~ is more visually engaging.
- Alleys shall comply with standards included in the City of San Diego Street Design Manual and the Municipal Code. An example cross-section for a typical Alley is included in *Figure 4.18, Typical Cross-Section for Private Drive or Alley*.

SPECIFICATIONS	
Based on <u>the</u> City of San Diego Street Design Manual (March 2017 Edition) Private Drives Specifications	
Minimum Width	24 feet
Design Speed	25 <u>miles per hour</u>
<u>Modifications to Street Design Manual (Refer to Section 7.9)</u>	<ol style="list-style-type: none"> <li>1. Minimum 4-foot contiguous sidewalk <b>shall be included</b> on at least one side</li> <li>2. <del>Sharrows</del> <b>Class III shared lane</b> bicycle facilities <b>to shall</b> provide connectivity to</li> <li>3. <del>Class II bike lanes</del> or Class I bike <del>lanes</del> <b>paths</b>.</li> </ol>

SPECIFICATIONS	
Based on <u>the</u> City of San Diego Street Design Manual (March 2017 Edition) Alleys Specifications	
Minimum Width	20 feet
Design Speed	15 <u>miles per hour</u>

#### 4.5.15 — Emergency Vehicle Access Roads

- An emergency vehicle access road is a designated route designed to facilitate the swift response of fire department vehicles to emergencies.
- This road can either be a public street or a private roadway.
- ~~For the purposes of the Southwest Village Specific Plan, the~~The primary emergency vehicle access road for the Specific Plan area will be private, shown as Segment 18 in *Figure 4.1, Street Classifications*, but it includes easements allowing for utilities, emergency access, and pedestrian access.
- In times of emergency, this route can serve as an exit pathway for Planning Areas 19, 21, and 22.
- A gate and Knox Box will be in place to prevent unauthorized vehicle usage.
- ~~The pedestrian access will be to the perimeter trail as described in Section 5.7.2, Perimeter Trail. Segment 18 shall adhere to the standards outlined in the City of San Diego Fire-Rescue Department's Policy on Fire Access Roadways.~~
- ~~A secondary emergency vehicle access road, shown as Segment 32, shall be required prior to the 201st dwelling unit and is proposed as part of VTM-1. During Phase 1, the on-site portion of the road will be constructed from the eastern terminus of East Beyer Blvd (at the intersection of Beyer Blvd and Caliente Ave), extending south along the future alignment of S. Caliente Ave. The road will then continue off-site to the southwest along an existing utility road, connecting to Rail Court, as shown in *Figure 4.1, Street Classifications*. A gate and Knox Box will be located at the entrance of the secondary emergency vehicle access road and relocated as needed during development of the subsequent phases.~~
- Landscaping and/or installation of irrigation is prohibited immediately adjacent to any proposed emergency vehicle access roads to ensure habitat continuity.

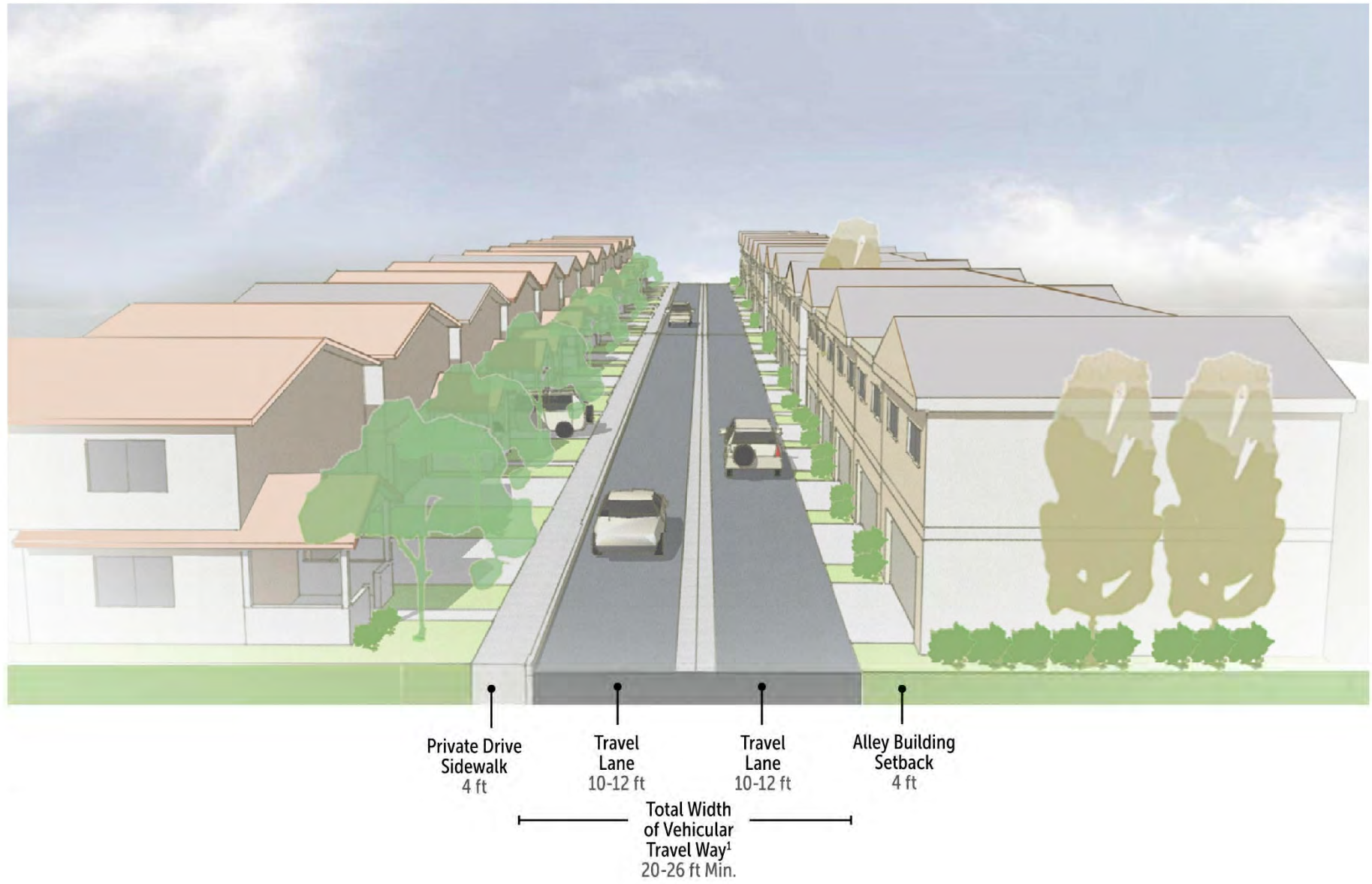
- The emergency vehicle access road will adhere to the standards outlined in the City of San Diego Fire-Rescue Department's Policy on Fire Access Roadways. Refer to *Section 7.9, Supplemental Development Regulations*.

SPECIFICATIONS	
Based on <u>the</u> City of San Diego Fire-Rescue Department's Policy on Fire Access Roadways	
Minimum Width	20 feet
Design Speed	15 <u>miles per hour</u>

#### 4.5.16 — Secondary Emergency Vehicle Access Road

- A secondary emergency vehicle access road, shown as Segment 32, will be required before the 201st dwelling unit. Refer to **Section 7.9, Supplemental Development Regulations.**
- A secondary emergency vehicle access road is included with VTM-1 as part of Phase 1. The portion of the road within the Specific Plan area will be constructed from the eastern terminus of East Beyer Boulevard (at the intersection of Beyer Boulevard and Caliente Avenue), extending south along the future alignment of South Caliente Avenue. The road will then continue outside of the Specific Plan area to the southwest along an existing utility road, connecting to Rail Court, as shown in **Figure 4.1, Street Classifications.**
- A gate and Knox Box will be located at the entrance of the secondary emergency vehicle access road and relocated as needed during development of the subsequent phases.

Figure 4.18 — Typical Cross-Section for Private Drive or Alley



Notes:

1. Includes 6-inch curb.

\* Section represents a typical condition.

# 05

*PARKS, TRAILS &  
OPEN SPACE*

## 5.1 — OVERVIEW

Southwest Village is envisioned with a mixed-use Village Core with neighborhoods that are interwoven via a series of parks, open space, trails, and paseos. Southwest Village will also be linked to the surrounding areas in Otay Mesa via connections to the regional trail network. Creation of a recreational, healthy, and active lifestyle-focused community is a fundamental component of Southwest Village. A comprehensive framework for proposed parks, connections to regional open space, and provision of trails, and sidewalks is shown on in [Figure 5.1, Parks and Trails](#). Development will be subject to the park requirements in place at permitting. ~~Currently the City of San Diego Parks Master Plan value-based park requirement is 100 points per 1,000 people that represents a range of recreational experiences:~~

~~Trails, paseos and sidewalks will include street furniture, lighting, and other recreational amenities. Streets will be designed with sidewalks lined with landscape treatments and major roadways will be lined with trees and include pedestrian amenity enhancements. The mobility network will also include buffered Class II bicycle lanes and Class I bike paths. In addition, the proposed perimeter trail will be ADA accessible. This chapter of the Specific Plan describes the programming approach to provision of framework for parks and other recreational opportunities within the Southwest Village Specific Plan area and the concept for siting and connecting parks and trails.~~

The Otay Mesa Community Plan, the [Multiple Species Conservation Program \(MSCP\)](#), ~~Multi-ple~~ Habitat Planning Area (MHPA), the Vernal Pool Habitat Conservation Plan (VPHCP), and the steep canyons in the Specific Plan area are vital elements shaping the Specific Plan and its development concept. ~~Appendix B describes conformance with the open space policies of the Otay Mesa Community Plan. The intent of this~~ This chapter of the Specific Plan is to ~~guide~~ guide the development of parks, trails, paseos, and other recreation opportunities and preservation of open space in the Specific Plan area ~~to create a community that provides a comprehensive mobility and recreational network.~~

- Trails, paseos, and sidewalks will include street furniture, lighting, and other recreational amenities.

- The proposed perimeter trail will be ADA accessible.

- Approximately ~~31.535~~ acres of interconnected publicly-owned and privately-owned community parks, neighborhood parks, pocket parks, and ~~mini parks~~ mini-parks
- Approximately 5 miles of trails to provide for interconnected neighborhoods, enhanced recreational opportunity, access to parks in Southwest Village and connections to Beyer Community Park and Grand Park
- Approximately 185 acres of surrounding natural open space, including 60 acres of preserved open space.

Figure 5.1 – Parks and Trails

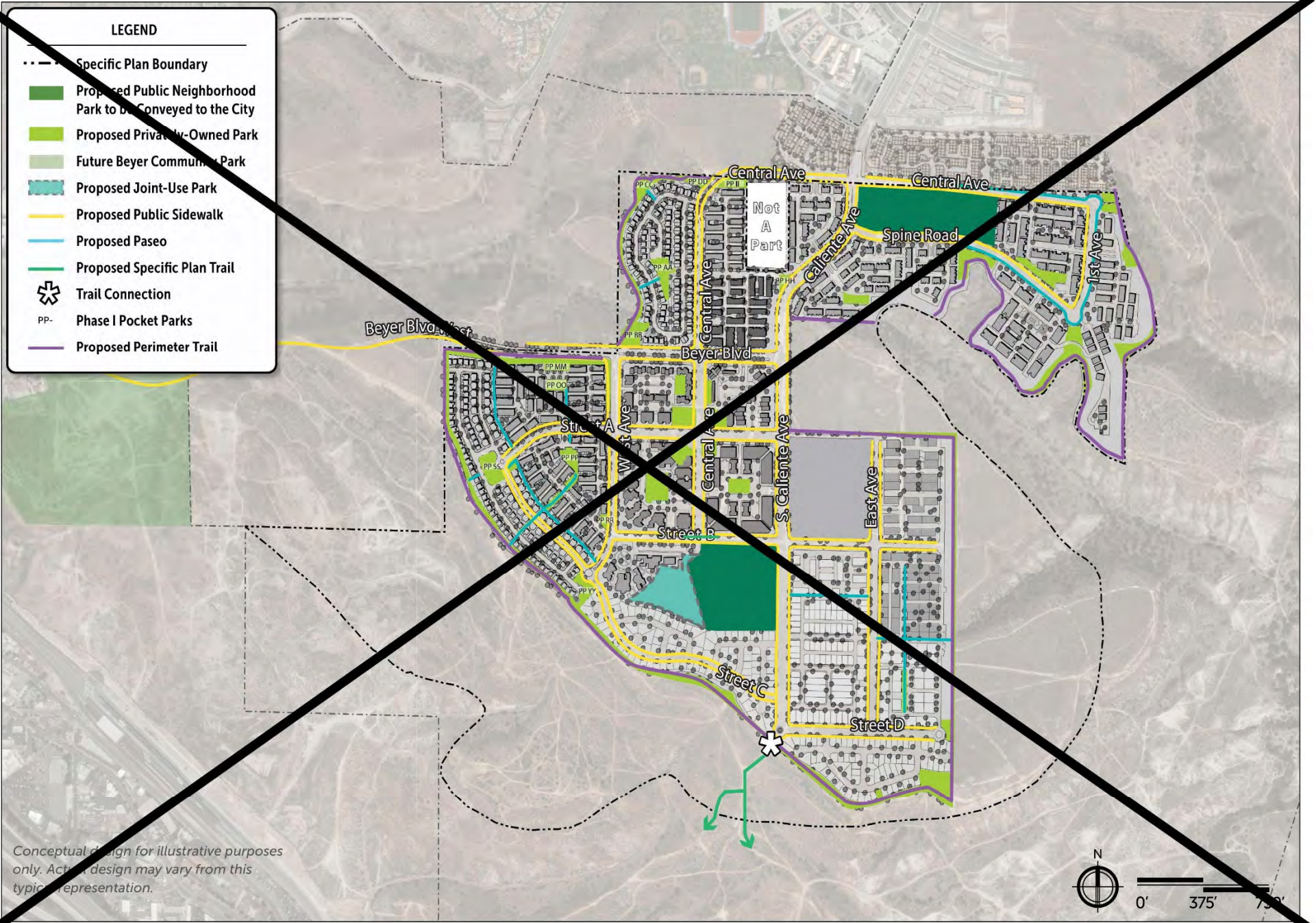
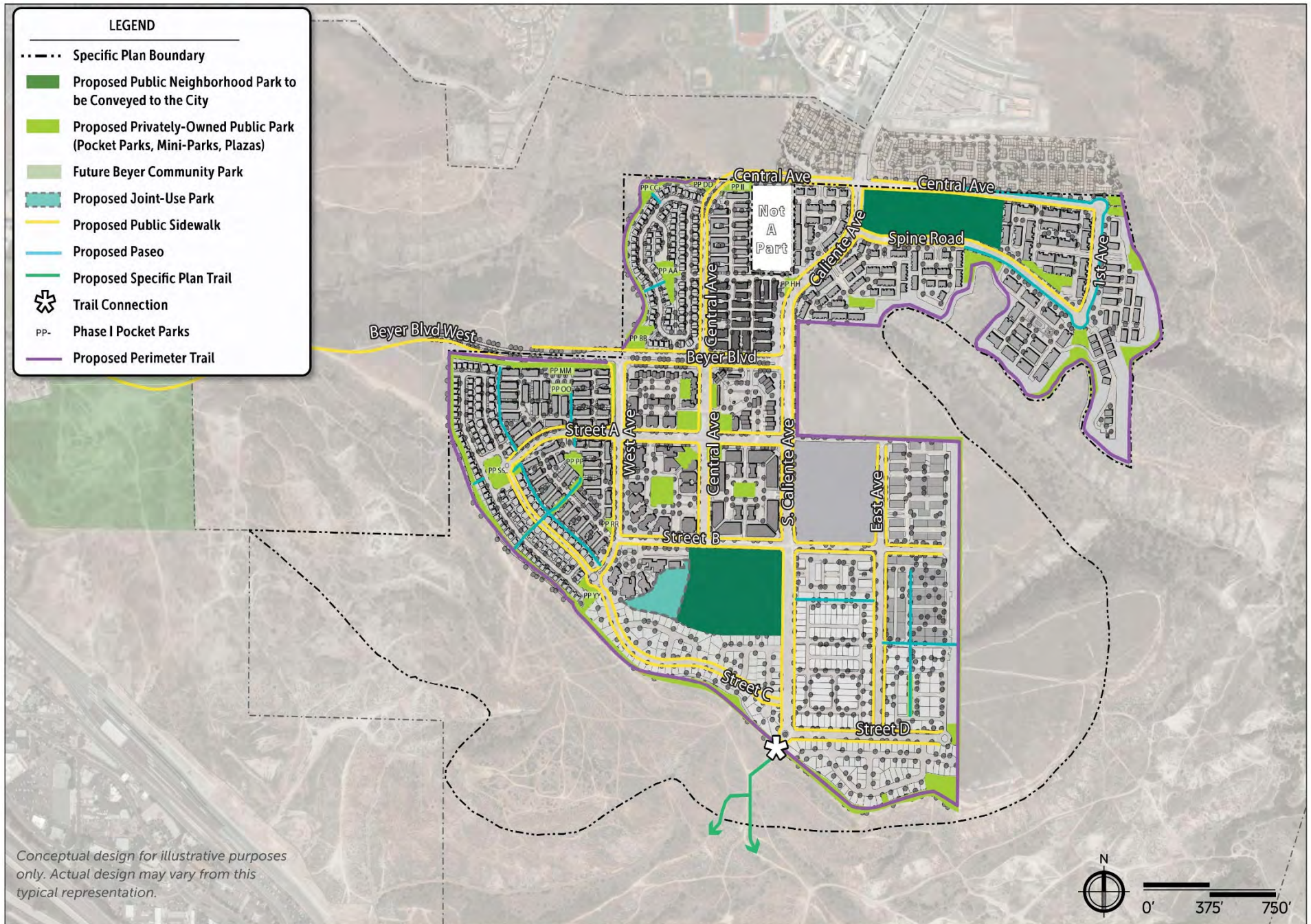


Figure 5.1 – Parks and Trails



## 5.2 — PARKS OVERVIEW

Southwest Village will include a variety of parks to provide passive and active recreation opportunities throughout the community to create an interwoven recreational fabric. A variety of park opportunities may be provided, including neighborhood parks, ~~mini-parks~~mini-parks, pocket parks, paseos (linear parks), and plazas. Per the City of San Diego Parks Master Plan - Parks for All of Us, pocket parks are typically less than one acre, often found in residential developments; mini parks are approximately 1 to 3 acres, typically include small multi-purpose courts and landscaping; neighborhood parks typically serve a neighborhood of approximately 1/2-mile radius; and community parks are large parks typically serving one or more communities.

Southwest Village provides recommended locations for parks within each planning area, but defers to subsequent development approvals for each planning area to ensure that recreational value-based parks and trails are provided concurrently with each phase of development. The concept outlined as part of the Specific Plan provides linkages between parks through a system of paseos, multi-use paths, trails, sidewalks, and bike lanes, and provides connections between the village core and surrounding neighborhoods.

## 5.3 — ~~PARK PROGRAM~~RECREATION VALUE POINTS

Park amenity enhancements will be provided according to a recreational value point-based standard. The value point-based parks requirement is based on a scoring of recreation amenities, space for programmed activities, connectivity to the mobility network, and other factors. Each park amenity enhancement has an identified point value according to the scale, recreational and social value, and connectivity to the mobility network. ~~Each Planning Area will be held to a minimum number of points established by a rate of 100 points per 1,000 people.~~The planned parks, paseos, and recreational trails need to comply with San Diego Municipal Code requirements to satisfy population-based park requirements.

## 5.4 — PARK TYPES

~~Large~~The neighborhood park ~~parcels~~sites will be conveyed to the City, while ~~smaller~~ pocket parks, mini-parks, plazas, and trails will remain in private ownership with private maintenance and a recreation easement to allow for public use. ~~Recreation centers and aquatic complexes are not proposed within the boundaries of the Specific Plan; therefore, the applicant(s) will be required to pay the recreation center and aquatic complex portion of the park development impact fees at building permit issuance. In other words, development applications will be assessed a pro rata share of the Development Impact Fees for the cost of a recreation center and aquatic complex.~~

### 5.4.1 ~~5.3.1~~ — Neighborhood Parks

The ~~park program for~~ Southwest Village is anchored by two neighborhood parks ~~intentionally~~ located within the central and northern areas of the ~~development~~Specific Plan area to provide convenient access for community gathering areas and social activities. As indicated in *Figure 5.1, Parks and Trails*, the proposed 10.5-acre neighborhood park in Planning Area 17 is adjacent to the school site on Planning Area 16 to the west, and the Village Core to the north. The neighborhood park would provide recreation amenities such as ball fields and internal pathway connections, and could be a joint-use facility for the adjacent school. The proposed 7.6-acre neighborhood park, located within the northern portion of the development in Planning Area 2 and ~~Planning Area 3~~, ~~will~~would include recreational amenities such as hardcourt areas and sports fields.

Together, these two proposed neighborhood parks will encompass ~~a total of 18.176~~ acres and will be conveyed to the City upon construction; ~~the~~ City will then own and maintain these two parks. Both parks will be required to go through a General Development Plan process that requires public input into the design. The 10.5-acre neighborhood park and the 7.6-acre neighborhood park will be deeded to the City for ownership and maintenance. The 10.5-acre neighborhood park in Planning Area 17 can be a joint-use facility with the adjacent proposed school. A Joint Use Agreement between the City and the SYSD would be needed for shared use of a school's

recreational facilities.

#### 5.4.2 — Pocket Parks, Mini-Parks, Plazas, and Trails

~~The remainder of the public parks shown within the Specific Plan will be privately maintained with a recreation easement to allow public access.~~ The Specific Plan recommends locating parks within each planning area but defers to subsequent development approvals for each planning area to ensure that qualifying parks are provided concurrently with each phase of development.

Privately owned and maintained public parks, such as pocket parks and mini-parks, are planned throughout the community, offering neighborhood gathering places. Additional park amenities such as children’s play areas, shaded seating areas, and dog parks will be provided amongst with the other parks in the Specific Plan area. Each park contains amenities to accommodate the diverse needs and desires of the community and reinforce the aesthetic character of Southwest Village.

~~Both parks will be required to go through a General Development Plan~~

~~process with the City that requires public input into the design. The 10-acre neighborhood park and the 7-acre neighborhood park will be deeded to the City for ownership and maintenance.~~

A cohesive system of public paseos, pedestrian nodes, and trails ~~connect connects~~ these parks ~~with each other~~ and other community destinations to provide safe and direct access to the parks and serve as the interconnected fabric of the community. A perimeter trail will ~~surrounds~~ the entire Southwest Village ~~community~~, providing a ~~connections~~ to ~~all areas of the adjacent neighborhoods community~~, ~~as well as a key recreational facility~~. Trail amenities and enhancements with a recorded recreation easement will provide innovative recreational and social opportunities for the public to serve the ~~modern-day modern-day~~ recreational, social, physical, and emotional lifestyle needs of the Southwest Village community. These trail amenities and enhancements with a recorded recreation easement will provide equivalent population-based park acreage for the Southwest Village.



*Example photos of similar park types.*

~~The 10-acre neighborhood park in Planning Area 17 can be a joint use facility with the adjacent proposed school. A Joint Use Agreement will be required to allow for shared use of the park.~~

~~5.4 Vehicle parking for parks shall be provided in accordance with what is required by the Parks Master Plan at the time of building permit issuance. For example, the Parks Master Plan currently states minimal parking as necessary should be included for neighborhood parks.~~

## 5.5 PARK PHASING

Southwest Village's parks are anticipated to be developed in seven phases associated with dwelling unit thresholds, per [Section 7.134, Phasing](#), within each Planning Area as specified in [Table 5.1, Parks Phasing](#). Table 5.1, Parks Phasing, summarizes the implementation of the park program for each planning area. The park designations identified in ~~the~~ [Figure 5.1, Parks and Trails](#), correspond to the park designations provided in [Table 5.1, Parks Phasing](#). This Specific Plan does not require that phases occur in any ~~particular order~~ order. Phasing may occur in any order, and more than one phase may occur at one time, provided that the necessary parks and recreational facilities are provided concurrently as specified with each phase(s) of development. Refer to [Section 7.9, Supplemental Development Regulations](#), for the Recreation Value Points Phasing requirements.

*Table 5.1, Parks Phasing*, identifies the usable park acreage to be provided in each phase. Usable park acreage is defined in the General Plan as; a graded pad not exceeding two percent rough grade, as required to provide for active recreational programs; or gently sloping land not exceeding ten percent grade for unstructured public recreational activities, unconstrained by environmental restrictions that would prevent its use as a park and recreation facility, free of structures, or easements. The allowable ~~amount~~number of useable acres exceeding two percent grade at any given park site would be determined on a case-by-case basis by the City. Table 5.1 also includes the estimated ~~minimum parks score~~recreational value points required for each phase.

## 5.6 — PARK VIGNETTES

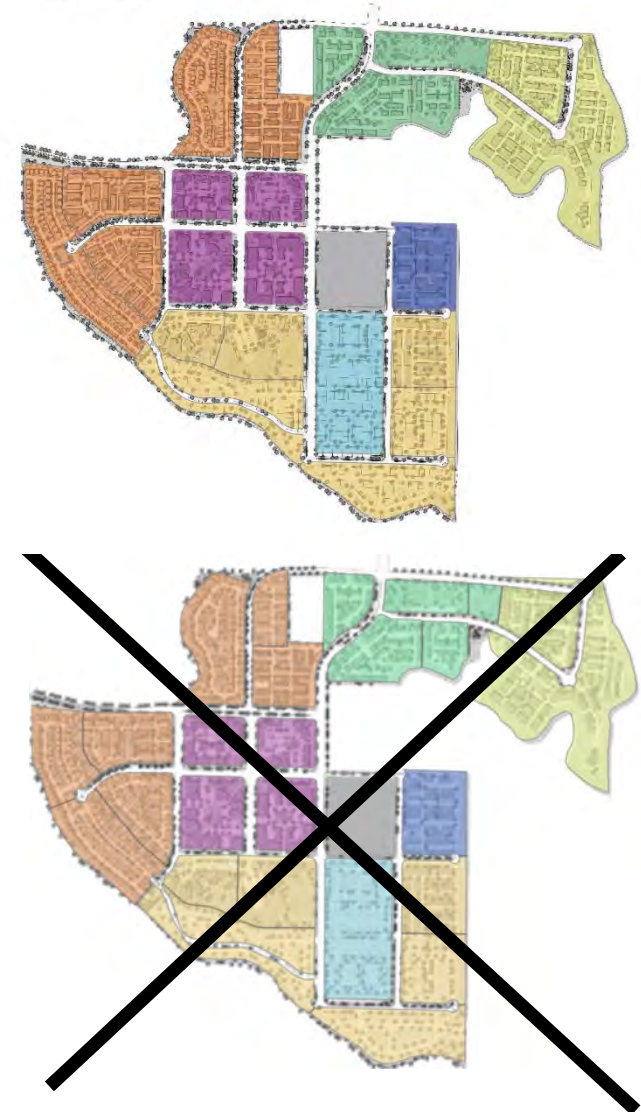
In addition to the concept plan for the overall layout of parks and open space within the Southwest Village, additional vignettes have been provided to illustrate representative concepts of the different types of parks that are anticipated to be provided as development occurs. Vignettes for five park typologies are shown ~~on~~in *Figures 5.2 through*

*5.6*. The conceptual location of parks and recreational amenities is indicated on *Figure 5.1, Parks and Trails*. Vignettes are for illustrative purposes only and are intended to ~~provide guidance~~ for guide future park amenities while also ~~allowing~~ providing for flexibility at implementation, based on public input during the General Development Plan process. The conceptual park typology plans serve to represent generalized programmatic elements that would be provided. The ~~f~~Final park design may vary and will not require an amendment to this Specific Plan.

Table 5.1 — Parks Phasing

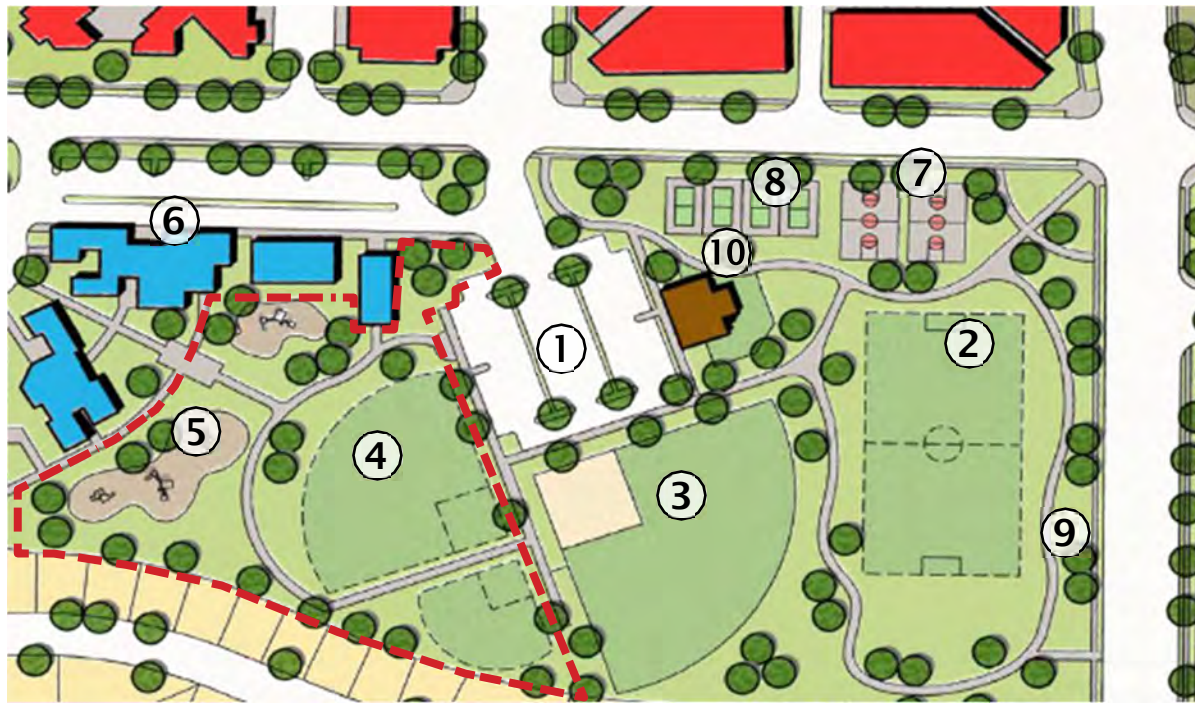
Phase	Summary	Estimated Recreational Value Points Required Based on DUs
1	Phase 1 will provide a series of pocket parks and paseos and <del>an amenitized</del> a perimeter trail <u>with amenities</u> . These amenities will include active recreational opportunities. Approximately <del>3.54</del> <u>3.3</u> acres of pocket parks may occur in Phase 1.	417
2	Phase 2 will provide a <del>10.5-acre</del> <u>7-acre</u> neighborhood park, a <del>6.25-</del> <u>6-</u> acre school site, with an opportunity for <del>2.6-acre</del> <u>joint-use</u> fields, pocket parks, paseos, and continuation of the <del>amenitized</del> perimeter trail with recreational opportunities <u>and amenities</u> . Approximately 10.5 acres of pocket parks may occur in Phase 2.	270 <sup>1</sup>
3	Phase 3 will provide a mini park <u>in Planning Area 28</u> , adjacent to Phase 3, <u>south of Spine Road</u> , as well as the opportunity for pocket parks, paseos, and continuation of the perimeter trail. Approximately 2 acres of pocket parks may occur in Phase 3.	260
4	Phase 4 may provide a <del>joint-use</del> <u>7.6-acre</u> neighborhood park, as well as the opportunity for additional pocket parks, paseos, and continuation of the perimeter trail. A school overlay zone is included as a secondary site for a future elementary school. If a school is not built on Planning Area 7, the site would default to residential land use. <del>The joint-use neighborhood park may be approximately 7 acres.</del>	<del>134</del> <u>122</u>
5	Phase 5 is adjacent to the 10.5-acre neighborhood park to the west in <u>Planning Area 17</u> . Phase 5 may provide paseos and pedestrian connections, as well as the opportunity for pocket parks.	<del>85</del> <u>97</u>
6	Phase 6 may provide continuation of the perimeter trail, pedestrian connections, and a pocket park.	85
7	Phase 7 may provide pocket parks within the village core, pedestrian and mobility network enhancements, and recreational amenities. <u>Approximately 3.0 acres of pocket parks may occur in Phase 7.</u>	376
<b>Total</b>		<b>1,627<sup>1</sup></b>

Key Map



<sup>1</sup>In the unlikely event ~~if the SYSD determines~~ a school is no longer needed on Planning Area 16, the site will default to Medium Density Residential land use designation and result in with a maximum of 136 dwelling units, and thus require approximately 43 additional recreational value points.

Figure 5.2 — Neighborhood Park Concept 1 (A Joint-Use Opportunity with School)



- 1 Opportunity for shared parking for the school and the neighborhood park
- 2 Multipurpose Field
- 3 Baseball Field
- 4 Softball Field
- 5 Park Amenities
- 6 School
- 7 Basketball Courts
- 8 Pickleball Courts
- 9 Trails and paths to provide connections
- 10 Recreation Center

--- Conceptual Joint Use Boundary

*Conceptual design for illustrative purposes only. ~~Actual~~The actual park design will be designed per Council Policy 600-33. School design will be designed per school district standards.*

Figure 5.3 — Neighborhood Park Concept 2



- 1 Bocce Ball
- 2 Kids Play Area
- 3 Tennis / Pickleball Courts
- 4 Basketball Courts
- 5 Internal Parking
- 6 Soccer Field
- 7 Medium-Density Residential
- 8 Trails and paths to provide connections

*Conceptual design for illustrative purposes only. ~~Actual~~The actual park design will be designed per Council Policy 600-33.*



*Example photos of neighborhood parks.*

Figure 5.4 — Mini-Park Concept



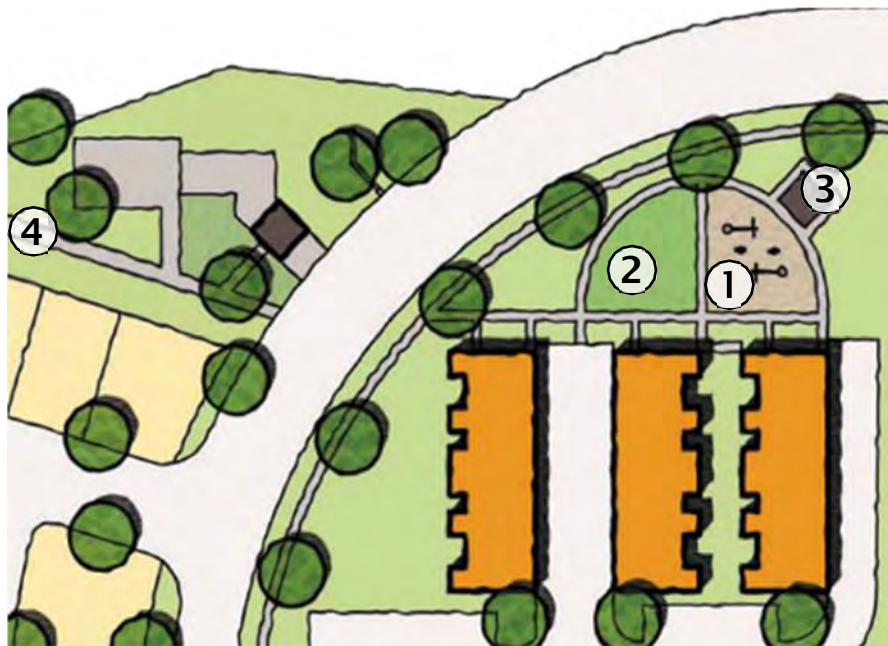
- 1 Children’s Play Area with Seating
- 2 Dog Park Area
- 3 Connection to Trail System
- 4 Open Turf Area
- 5 School

*Conceptual design for illustrative purposes only. ~~Actual~~The actual park design will be designed per Council Policy 600-33.*



Example photos of mini-parks.

Figure 5.5 — Pocket Park Concept



- 1 Children's Play Area
- 2 Turf Area
- 3 Picnic Tables
- 4 Open Space Trail Connection

*Conceptual design for illustrative purposes only. ~~Actual~~ The actual park design will be designed per Council Policy 600-33.*



*Example photos of pocket parks.*

Figure 5.6 — Plaza



- 1 Trellis
- 2 Sitting Area
- 3 Mixed Use
- 4 Water Feature
- 5 Planters

*Conceptual design for illustrative purposes only. ~~Actual~~The actual park design will be designed per Council Policy 600-33.*

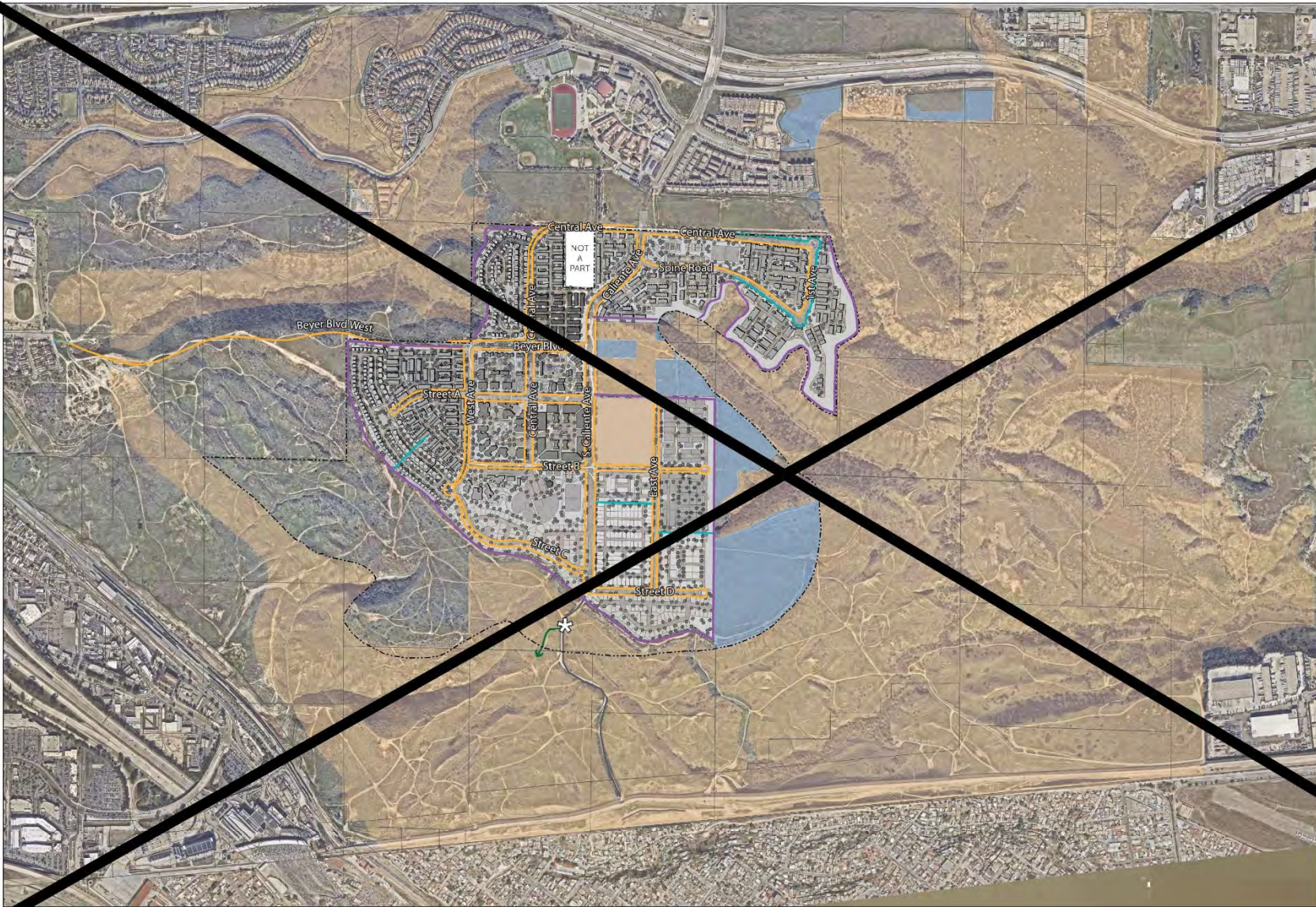


*Example photos of plazas.*

## 5.7 — TRAILS OVERVIEW

- Southwest Village will include a connected network of trails, sidewalks, and other pedestrian facilities, as shown in *Figure 5.7, Trail Network*, that will provide two key purposes:
  - Connected mobility network for walking and biking; and
  - Enhanced recreational opportunities.
- The trails network concept outlined as part of this Specific Plan provides linkages through the entire ~~Southwest Village community~~ Specific Plan area and beyond through a system of paseos, multi-use paths, trails, sidewalks, and bike lanes, and provides connections between the Village Core and surrounding neighborhoods.
- Perimeter trails, paseos, and sidewalks will include street furniture, lighting, and other recreational amenities.
- Streets will be designed with sidewalks lined with landscape treatments, and public streets will be lined with trees and include pedestrian; and Class I bike paths and/or Class II buffered bike lanes.
- Moderate-use trails and primitive trails will provide walking, jogging, and hiking opportunities in a natural environment.
- The primitive trails will be designed to provide connections from Southwest Village to the surrounding Otay Mesa Community Plan trail system.
- The trails identified in the Otay Mesa Community Plan are shown in *Figure 5.7, Trail Network*. ~~However, the trails proposed in the Specific Plan shall amend the trail alignment included in the Otay Mesa Community Plan.~~
- All trails satisfying City park requirements will be available for use by the public with the ~~recordation~~ recording of recreation easements.

Figure 5.7 – Trail Network



**LEGEND**

- Specific Plan Boundary
- Public Sidewalk
- Paseo
- Proposed Perimeter Trail
- Proposed Primitive Trail
- Utility
- Trail Connection
- MHPA
- VPHCP
- Parcels Outside Specific Plan

*Conceptual design for illustrative purposes only. Actual design may vary from this typical representation.*

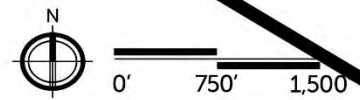
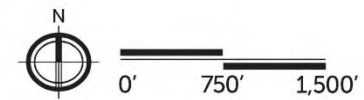
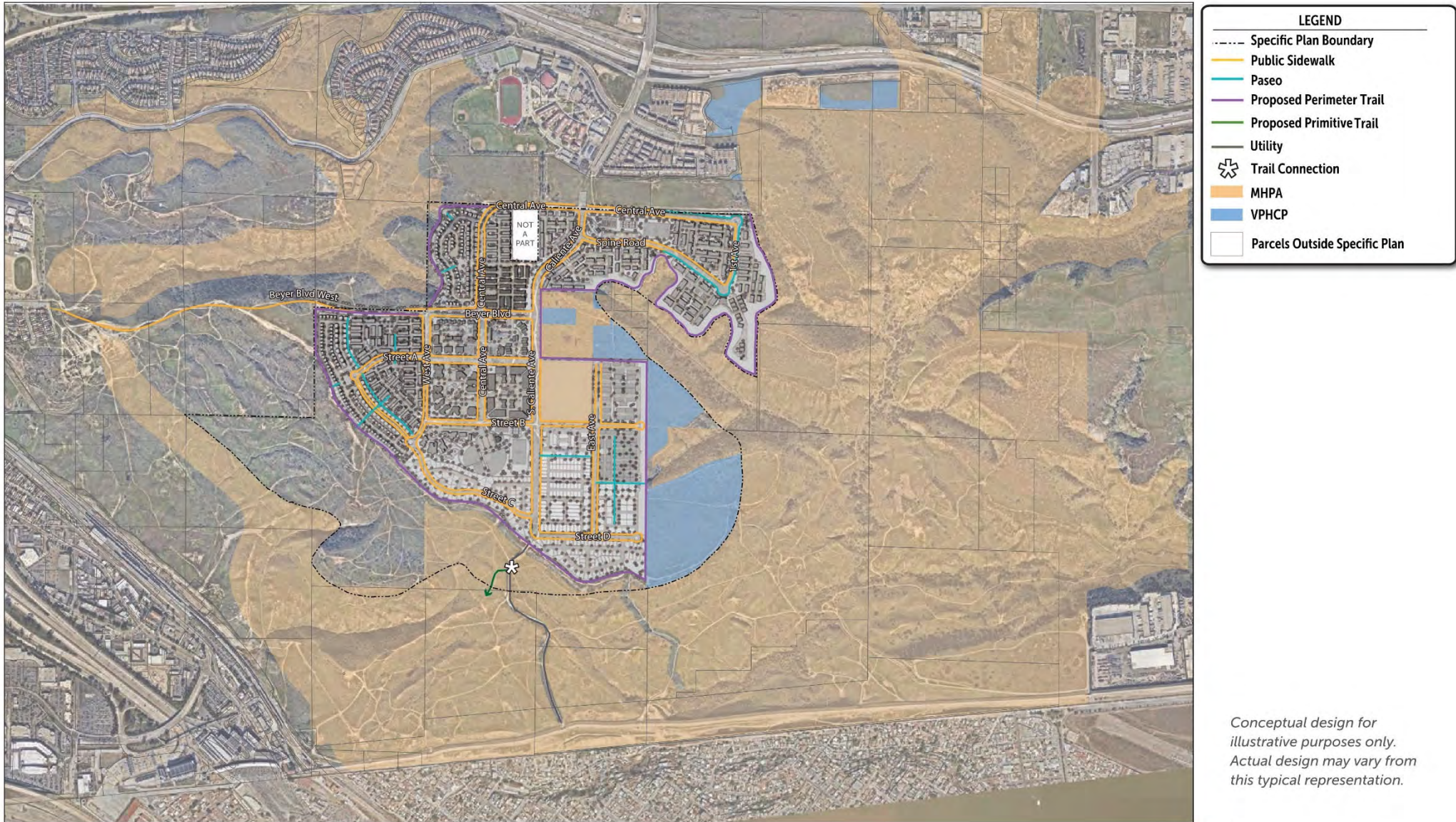


Figure 5.7 – Trail Network



## 5.8 — TRAIL TYPOLOGY

The trail typologies identify different trail facilities and design policies for trails developed as part of the Southwest Village Specific Plan. The typologies have been developed based on the Otay Mesa Community Plan and Appendix K of the City’s Consultant’s Guide to Park Design & Development.

### 5.8.1 — Bike Lanes and Sidewalks

Bike lanes and sidewalks serve as the foundation for the mobility network in Southwest Village. For more information about bike lanes and sidewalks, see [Section 4.3, Bicycle Network](#) and [Section 4.4, Pedestrian Network](#).

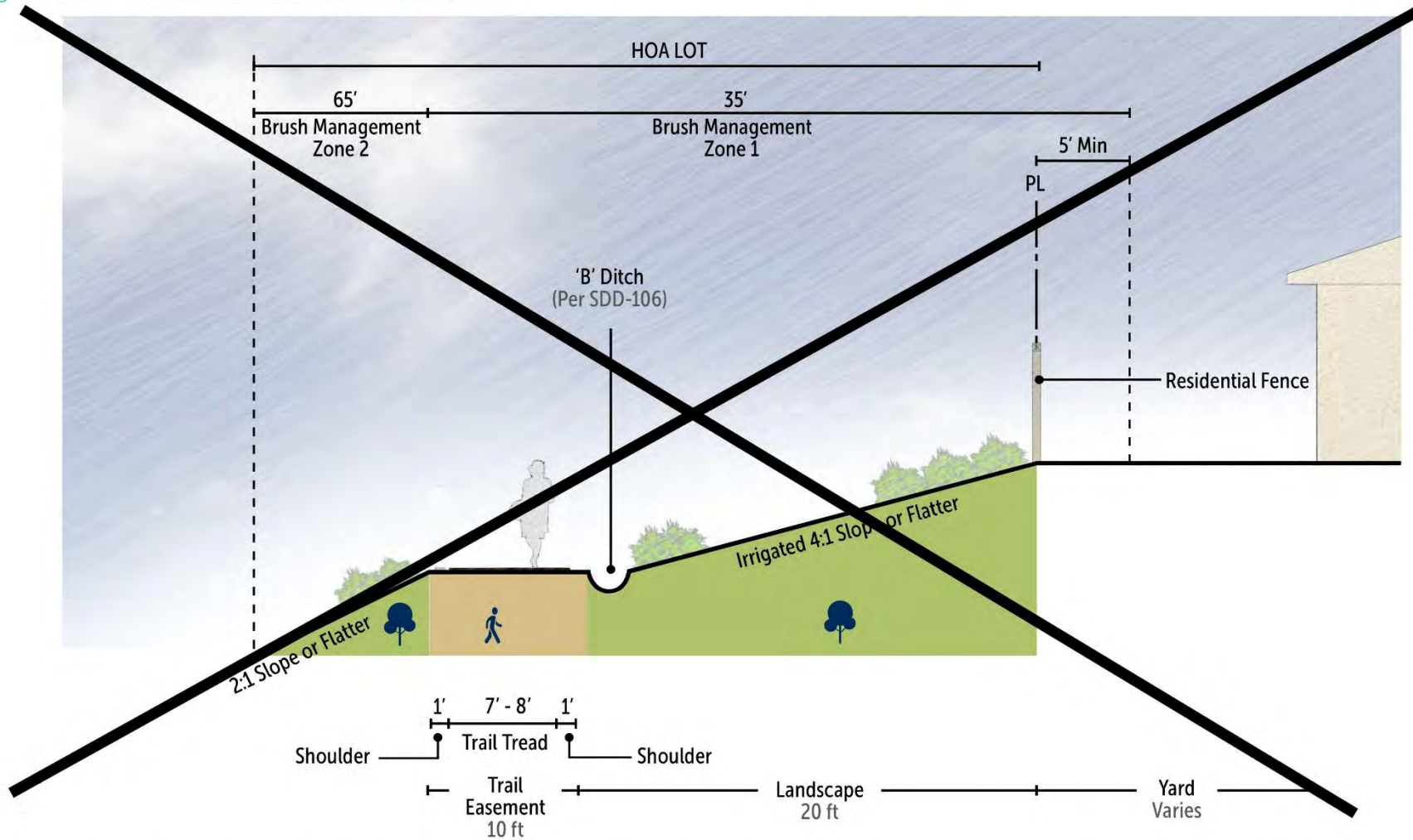
### 5.8.2 — Perimeter Trails

- Trails are planned around the perimeter of Southwest Village to provide a key recreational trail as well as increase access throughout the community for pedestrians and bicycles.
- The perimeter trail would provide a transition between the developed area of Southwest Village and the surrounding open space areas.
- The perimeter trail would have a natural surface that may include tread improvements such as stabilized decomposed granite. Ideally, the trail would sit below grade from the development to increase privacy to surrounding residents and enhance the feeling that the trail is connected to open space areas.
- ~~Trail tread widths shall be 8 feet, except in areas abutting a 4:1 slope, where the trail tread may be 7 feet in width. The perimeter trail shall be integrated into the Zone One Brush Management Program as part of the development footprint outside of MHPA or conservation easements. An example cross-section showing the components of a perimeter trail is shown in [Figure 5.8, Perimeter Trail Cross-Section](#).~~

~~Trail implementation within the open space surrounding the Specific Plan development area shall be sited to avoid impacts to jurisdictional resources including wetlands, drainages and vernal pool resources. Where necessary and where avoidance can be maintained, small foot bridges may be installed to facilitate drainage crossings.~~

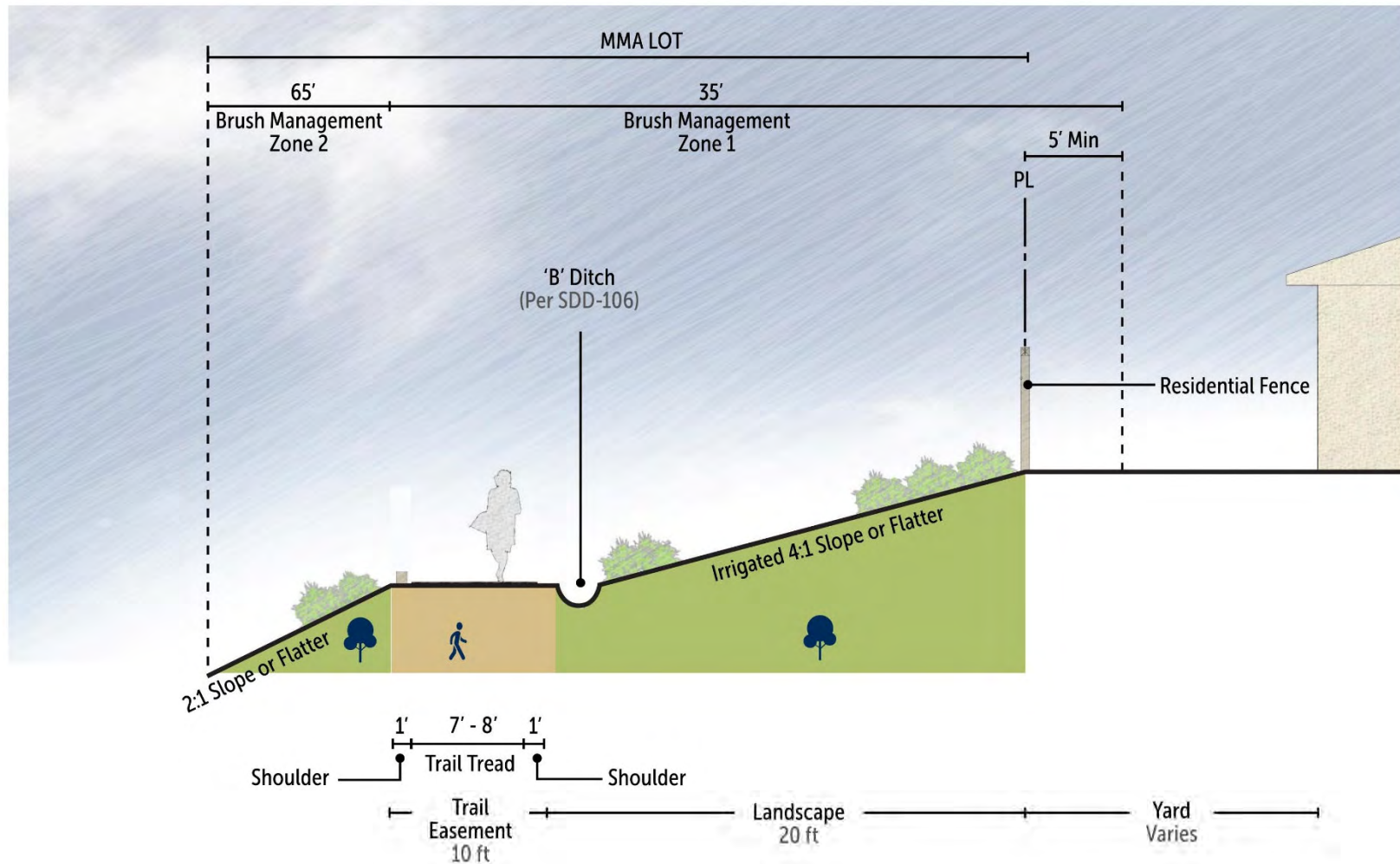
- ~~A recreation easement will be recorded over each segment of perimeter trail to allow public access. This includes the portion of the perimeter trail that utilizes the fire access road to the north of Planning Area 23. Perimeter trails will be constructed concurrent with development. Refer to [Section 7.9, Supplemental Development Regulations](#), for perimeter trail dimensions, brush management, and other requirements.~~

Figure 5.8 – Perimeter Trail Cross-Section



Notes: Zone One Brush Management is considered within the development footprint. Where the perimeter trail makes up the Zone One defensible space, it may not be included within the MHPA. Zone Two Brush Management may not be within mitigation lands of a conservation easement. The comprehensive brush management program shall be in accordance with City of San Diego Municipal Code Section 142.0412f. Zones One and Two Brush Management must be provided within the Specific Plan Boundary and under no circumstances may City owned open space be used for brush management. **For trails in MHPA, the maintained trail tread shall not exceed 4 feet in width.**

Figure 5.8 – Perimeter Trail Cross-Section



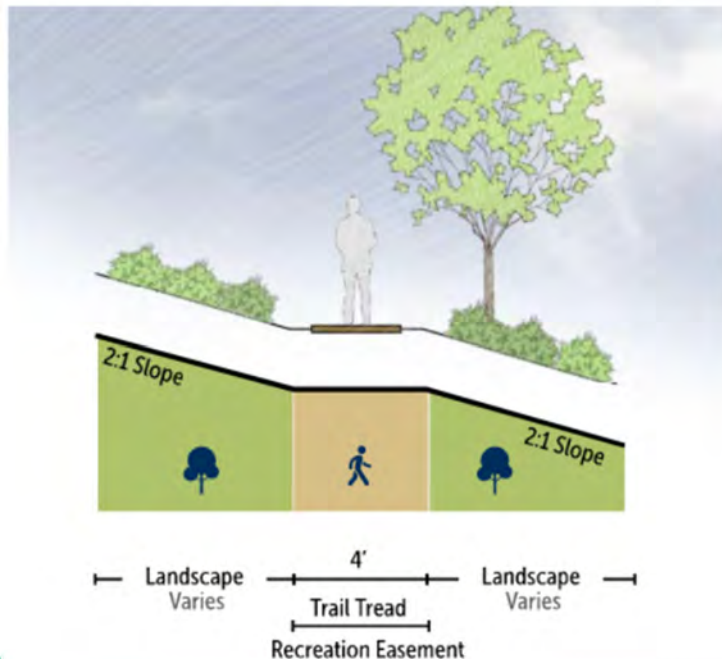


*Example photo of perimeter trail.*

### 5.8.3 — Primitive Trails

- Primitive trails would have a maximum width of 4 feet; however, actual trail widths may be less than 4 feet where constrained by sensitive resources.
- ~~Minimum~~ The minimum base is to accommodate maintenance needs, bi-directional travel, and provide safe passing space.
- These are trails that see limited use, are usually more difficult, with grades that may exceed trail standards, and are primarily for recreational users.
- Primitive trails can be located within ~~the Multiple~~ Habitat Preservation Planning Area (MHPA) ~~designated land~~.
- An example cross-section showing the components of a primitive trail is shown in *Figure 5.9, Primitive Trail Cross-Section*.

Figure 5.9 - Primitive Trail Cross-Section



- ~~As shown in Figure 5.7, Trail Network, there are~~ The Specific Plan has two types of Primitive trails: ~~Proposed Primitive Trail Type A and Community Plan Primitive Trails Type B.~~
  - ~~Proposed Primitive Trails~~ - Type A are to be completed under ~~Phase Phases~~ 1 and 2 by private ownership ~~as shown in Figure 5.7, Trail Network.~~
  - Community Plan Primitive - Type B are trails to be further investigated by the City, confirmed with the wildlife agencies, and constructed by future ~~developer~~ developers throughout the implementation of the Specific Plan.
- Refer to *Section 7.9, Supplemental Development Regulations*.

#### Primitive trails ~~Trails shall comply with the following p~~ olicies:

1. Design trails within the Multi-Habitat Planning Area (MHPA) to be consistent with the Multiple Species Conservation Program (MSCP) and trail standards and design policies of the City of San Diego's Park and Recreation Department's Consultant's Guide to Park Design and Development.
2. ~~As trail alignments shown are conceptual, trail implementation shall require~~ Conduct further study to ensure trails in the MHPA ~~area areas~~ sited to avoid sensitive resources such as wetlands, vernal pools, and sensitive plant species before trail implementation, as the trail alignments shown are conceptual.
3. As primitive trails are formalized in the Specific Plan area, close non-compliant trails ~~closures shall be implemented~~ within a 50-foot ~~50-foot~~ buffer on each side of the primitive trail (100-foot total) to limit public access to unauthorized trail segments. ~~Trail closure may involve habitat restoration, placement of barriers or other methods to prevent unauthorized trail use.~~
4. Design p Primitive trails ~~shall be~~ for pedestrian use only.



Example photo of primitive trails.

5. ~~Primitive trails allow for passive recreation, including walking, jogging, hiking, and non-motorized mountain biking opportunities in a natural environment.~~

5.6. ~~Do not allow for equestrian use and motorized bicycles (E-bikes) would be prohibited; however, where accessible, motorized wheelchairs would be permitted/allowed.~~

6. ~~A recreation easement shall be recorded for primitive trails over private land to allow public access. Primitive trails shall be provided concurrent with development.~~

### 5.8.4 — Utility Trail

- The planned utility trail utilizes an existing service road that will provide recreational trail corridors and will be a destination-oriented utility trail for pedestrians and cyclists. The service road was originally constructed for utility access and Border Patrol and will remain active for these uses.
- The secondary Emergency Vehicle Access Road will ultimately be built following the existing service road. Upon completion, the access road will remain active for utility maintenance personnel, park management staff (i.e., park rangers), Border Patrol, emergency responders, pedestrians, and cyclists.
- The width of ~~this trail and any future~~ utility trail will be no less than 8 feet and no more than 20 feet.
- An example cross-section showing the components of a utility trail is shown in [Figure 5.10, Utility Trail Cross-Section](#).
- ~~The tread surface is usually should be graded annually, along with other minor repairs by utility companies and other agencies that use the utility trail, with minor repairs and improvements made by Park staff (as needed, eeded) prior to before the construction of the Emergency Vehicle Access Road.~~
- Tread surfaces may be improved with the installation of surfacing material to reduce erosion and provide for trail sustainability.
- ~~As shown in Figure 5.7 Trail Network, the utility trail south of the community plan trail is for the use of pedestrians and bicyclists, Border Patrol, utility companies, and other agencies; park rangers, and emergency responders only.~~

### 5.8.5 — Non-Compliant Trails

- Many existing or disturbed trails in Southwest Village are not compliant with City trail standards and are redundant, unsustainable, or potentially hazardous, and do not contribute to a sustainable trails system.
- ~~Some of the existing or disturbed non-compliant trails are planned to be will be closed and will require rehabilitation and education efforts. The non-compliant trails will be closed off to the public.~~

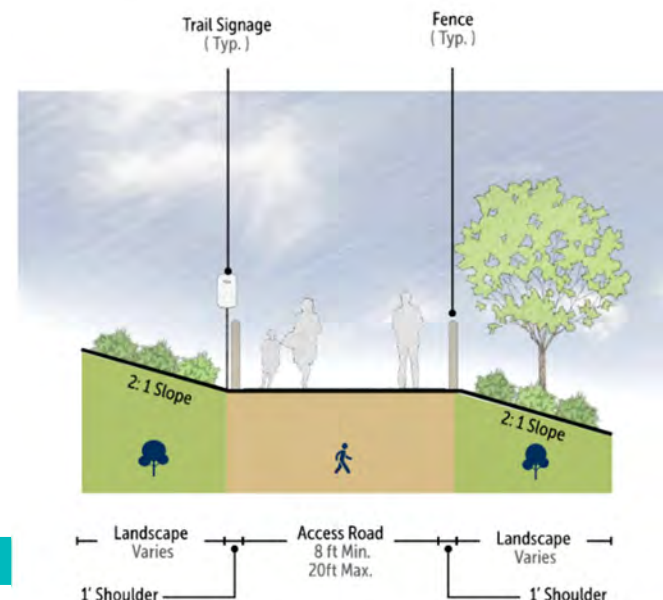
#### Non-Compliant Trails Policies:

1. ~~Install signage shall be used~~ where appropriate to provide education on trail closures and restoration areas.
2. Closures may involve habitat restoration, placement of barriers, or other methods to prevent unauthorized trail use.

~~See Section 7.11, Trail Restoration and Closures~~ Refer to [Section 7.9, Supplemental Development Regulations](#):

for implementation details.

Figure 5.10 - Utility Trail Cross-Section



## 5.9 — TRAIL AMENITIES AND ENHANCEMENTS POLICIES

Amenities that will enhance the pedestrian experience and increase the recreational opportunities will be integrated into the fabric of the community along pedestrian facilities. The ~~intent of these amenities is to~~ should significantly expand the types of recreational and social interaction opportunities and provide an innovative strategy towards serving the ~~modern day~~ recreational, social, physical, and ~~emotional~~ lifestyle needs of the Southwest Village ~~community~~.

All trail amenities satisfying City park requirements will be available for use by the public with the ~~recording~~ recording of recreation easements.

~~Such~~ A amenities can include community gardens and edible landscapes, physical activity equipment, bicycle amenities, pet amenities, play areas, seating, refuse bins, water fountains, lighting, interactive walls and art, wayfinding and gateway signage, and interpretive signage. The use of community gardens and edible landscapes provides intergenerational community members a place to play, educate, and practice healthy habits. Physical activity equipment ranges in maintenance levels and complexities, and provides the community with the opportunity to practice physical fitness at no cost. Bicycle amenities include, but are not limited to, bicycle parking racks, repair stations, and informational signage. These amenities encourage both safe bicycling habits, as well as new ridership. Pet amenities provide designated areas for pet recreation and encourage responsible pet ownership. Creative, nature, and adventure play areas can come in many forms. These play areas provide visual interest as well as recreation opportunities for children.

- Incorporate ~~s~~Seating, refuse bins, water fountains, and lighting are as typically typical amenities ~~that do not draw much attention~~.
- Use ~~at~~ However, these amenities that have the opportunity to add interest and create a sense of place. Murals, public art, and interactive walls allow for community projects, physical fitness, and artistic expression in creative ways that reflect the community.

- Use ~~w~~Wayfinding and gateway signage may to inform the public of distances and directions to land-marks or trail heads, and the entrance of a neighborhood or distinct area. ~~An interpretive signage program will highlight the history of Otay~~
- Incorporate an interpretive signage program to highlight the history of Otay Mesa and the specific resources found within Southwest Village. These signs can offer a public educational context of the surrounding environment while featuring fun, interactive activities for all generations.
- Incorporate amenities on perimeter trails, paseos, and along sidewalks in the Village Core where appropriate.
- Use additional types of amenities that reflect trends and innovation in outdoor recreation and social interaction.

• ~~Mesa and the specific resources found within Southwest Village. These signs offer a public educational context of the surrounding environment while featuring fun, interactive activities for all generations.~~

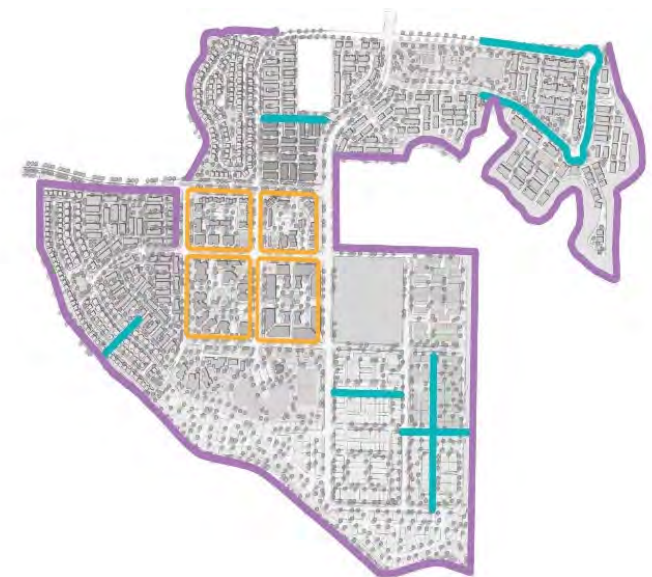
— ~~Representative amenities and enhancements concepts are provided as a reference in **Figures 5.11 through 5.21**. These amenities and enhancements shall be applied to the perimeter trails, paseos, and along sidewalks in the Village~~

~~Additional types of amenities that reflect trends and innovation in outdoor recreation and social interaction are encouraged.~~

Core-

Representative amenities and enhancements concepts are provided as a reference in **Figures 5.11 through 5.21**. See Key Map below for locations of these trail types. Images and types of amenities are for illustrative purposes only and are intended to provide guidance while also allowing for flexibility at implementation.

Key Map



Key Map

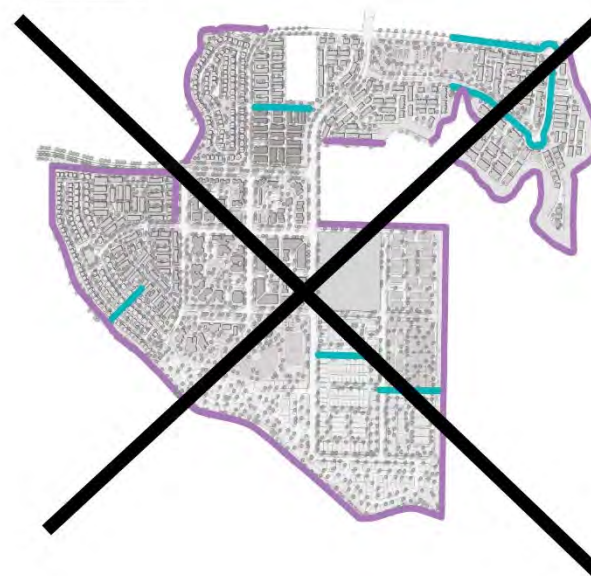


Figure 5.11 - Community Gardens and Edible Landscapes



Figure 5.12 - Physical Activity Equipment



Figure 5.13 - Bicycle Amenities



Figure 5.14 - Pet Amenities



Figure 5.15 - Creative, Nature, and Adventure Play Areas



Figure 5.16 - Seating



Figure 5.17 - Seating (Continued)

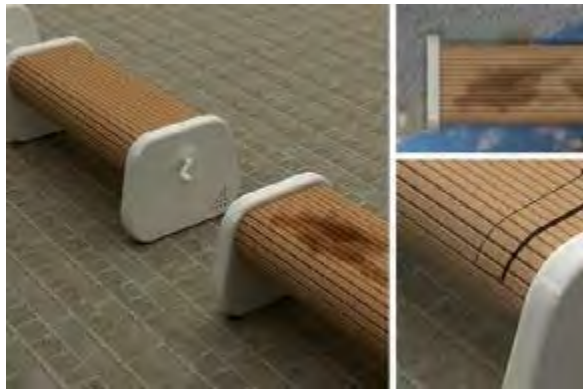


Figure 5.18 - Murals, Public Art, and Interactive Walls



Figure 5.19 - Refuse Bins, Water Fountains and Lighting



Figure 5.20 - Wayfinding and Gateway Signage



Figure 5.21 - Interpretive Signage



## 5.10- OPEN SPACE OVERVIEW

Approximately 185 acres, 38 percent of ~~the~~ land included in the Specific Plan, will be preserved as open space. Some of the areas are already identified for resource conservation as part of the City's Multi-Habitat Planning Area (MHPA) or Vernal Pool Habitat Conservation Plan (VPHCP), other areas are undevelopable due to ~~steep steep~~ slopes or other hazards. Open space areas identified as part of the Southwest Village Specific Plan are adjacent to other existing and planned open space areas and would expand the areas included in the City's MHPA. Open space lands may allow for limited opportunities for recreation, such as trails and nature viewing.

The ~~Southwest Village~~ Specific Plan area boundary is conterminous with the existing MHPA boundary on the west, south, and east. A portion of the MHPA is within the ~~Southwest Village~~ Specific Plan area. Open Space within the ~~Southwest Village~~ Specific Plan area is shown on *Figure 5.22, Open Space Areas*. The known mitigation lands would be implemented ~~concurrent concurrently~~ with phased development impacts. Since development would occur over time, required mitigation areas would be implemented in phases as detailed in the Southwest Village Biological Resources Report. Refer to the Biological Resources Report for details on the mitigation requirements and phasing approach for mitigation.

### 5.10.1 — Southeast Pump Station Overlay

- ~~An~~ approximately 5.2-acre area in the southeast portion of the Specific Plan area, at the terminus of Street D, is planned to include a pump station as part of the wastewater infrastructure necessary to support the development ~~of within~~ the Southwest Village Specific Plan.
- The pump station area is located within and allowed as a covered activity as part of the VPHCP.

### 5.10.2 — Brush Management Zones

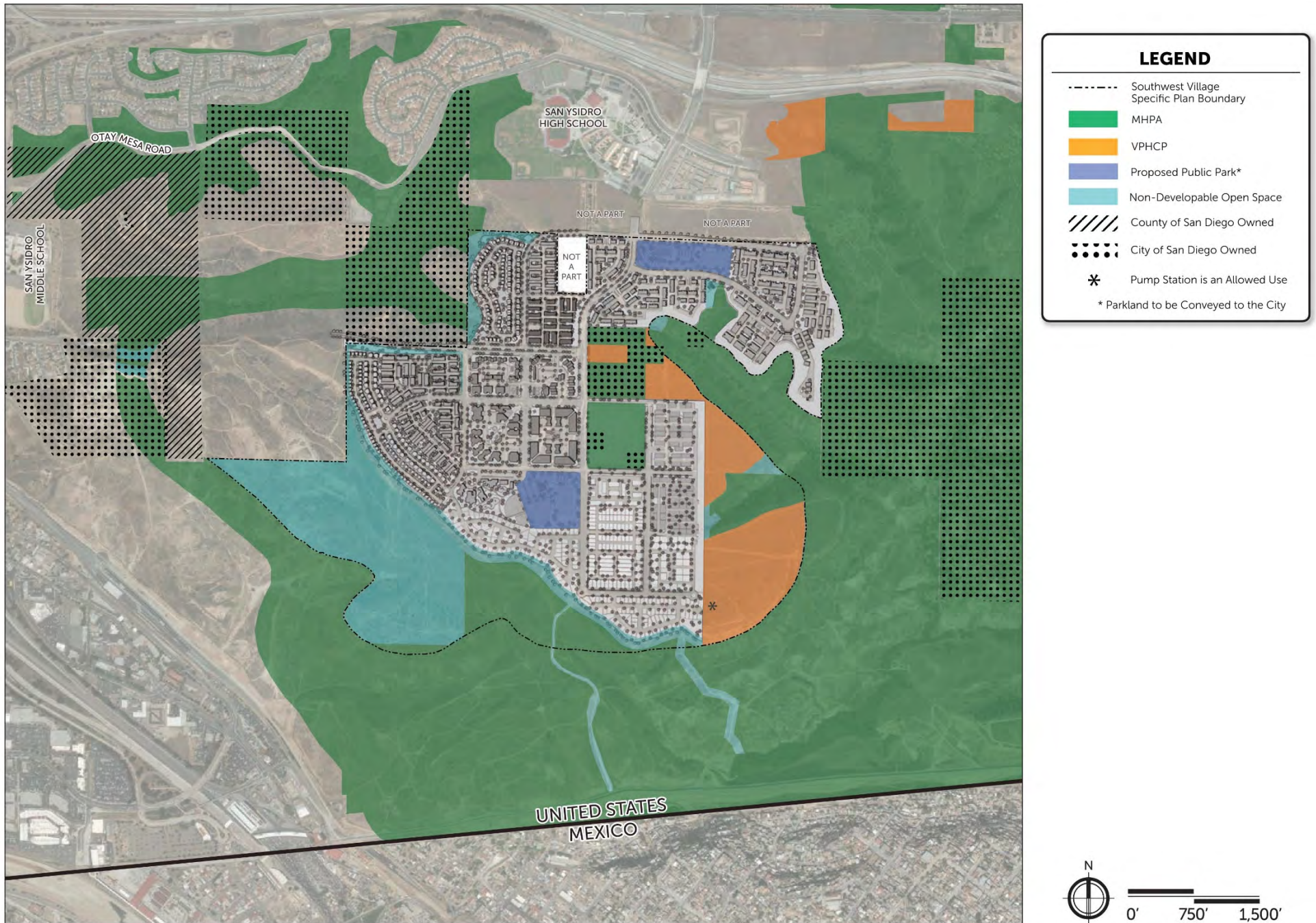
- Brush management is required in all base zones on publicly or privately owned premises that are within 100 feet of a structure and contain native or naturalized vegetation.

- ~~Brush management shall be based on 100-ft of zone area. Brush management zones (BMZs) are required for buildings that are within 100 feet of highly flammable, native/naturalized vegetation help to reduce fire hazards around structures and to help firefighters protect life and property when fires occur. BMZs, where required, shall be provided in a manner consistent with the provisions of the City's LDC.~~
- ~~Alternative compliance from standard fuel modification brush management zones may be granted within the Southwest Village Specific Plan area pursuant to the City's LDCSDMC, where appropriate, based on fire load modeling of adjacent land.~~
- ~~Fire load modeling shall be required wherever alternative compliance is allowed.~~
- ~~Potential alternative compliance measures may include fire-rated site walls, upgraded windows as authorized by the Fire Chief, and private ownership areas maintained by~~
- ~~Brush management zones BMZs are prohibited in adjacent City-owned open space and designated mitigation lands.~~
- ~~Where a 100-foot brush management zone cannot be achieved along canyon edges and open space areas, and alternative compliance measures are in effect, 6-foot non-combustible walls will be required.~~
- ~~Brush Management Zone 1 shall be considered development footprint.~~
- ~~Brush Management Zone 1 t and may occur on lands maintained by a Master Maintenance Association or a private property owner.~~
- ~~Brush Management Zone 2 shall needs to be on lands maintained by a Mmaster Mmaintenance Aassociation and may not extend onto City-owned oOpen sSpace or land set aside for mitigation for environmental impacts.~~
- Refer to *Section 7.9, Supplemental Development Regulations*.



*Southwest Village sits atop a mesa, defined by its sloping edges and the shallow bottoms of the canyons.*

Figure 5.22 - Open Space Areas



### 5.10.3 — Wildlife Corridor Crossings

Beyer Boulevard West ~~shall~~would be designed, constructed, and maintained to allow for wildlife movement through a wildlife overcrossing and three culverts under the roadway, as shown ~~on~~in Figure 5.23, Beyer Boulevard West Wildlife Corridor Crossings, to the satisfaction of MSCP, the City Engineer, and the City Parks and Recreation Department. ~~to the satisfaction of MSCP, the City Engineer, and the City Parks and Recreation Department. Refer to Section 7.9, Supplemental Development Regulations.~~

#### Wildlife Overcrossing Policies

1. ~~Locate a 32-foot by 60-foot wildlife overcrossing across Beyer Boulevard West, approximately 515 feet west of the Specific Plan area boundary~~ For consistency with the City MSCP Subarea Plan and Area Specific Management Directives for Otay Mesa, a 32-foot by 60-foot wildlife overcrossing shall be sited across Beyer Boulevard West approximately 515 feet west of the Specific Plan area boundary in the location of existing ~~high use~~high-use wildlife movement patterns through an existing drainage swale area, consistent with the City MSCP Subarea Plan and Area Specific Management Directives for Otay Mesa.
2. ~~Design e~~Each end of the overcrossing ~~shall be designed~~ to mimic the existing topographic conditions and include flared entrances to encourage wildlife entry.
- 1-~~Revegetate the s~~urrounding slopes ~~shall also be revegetated~~ with native vegetation to match the surrounding habitats.

#### Wildlife Under-crossing Policies

1. ~~In addition to the wildlife overcrossing,~~Locate three additional small animal under-crossing features ~~shall be provided as part of the~~where Beyer Boulevard West extension ~~where it crosses conserved lands.~~ The three under-crossings shall include a minimum 6-foot-tall culverts, ranging from 103 to 105 feet in length, and shall be installed to provide passage for small mammals between Moody Canyon and habitat areas to the south. The three undercrossings shall include minimum 6-foot-tall culverts, ranging from 103 to 105 feet in length, and shall be installed to provide passage for small mammals between Moody Canyon and habitat areas to the south.
- 1-2. Design under-crossings with flares at the ends to encourage entry.

#### Wildlife Corridor Crossing Fencing Policies

1. ~~Install w~~Wildlife fencing ~~shall be installed~~ concurrently during the construction of Beyer Boulevard West.
2. ~~Install f~~Fencing ~~shall be constructed~~ along the length of Beyer Boulevard West on both the north and south sides to prevent wildlife crossings along the roadway and to funnel wildlife toward the wildlife crossings.
- 1-3. ~~Install~~ Near the western end of the proposed Beyer Boulevard West, where vehicular access is needed for an SDG&E easement, a gate ~~shall be added~~ on the north and south sides of the roadway to allow for vehicular entry while keeping wildlife from entering the roadway near the western end of the proposed Beyer Boulevard West, where vehicular access is needed for an SDG&E easement. The precise location (elevation) of the fencing ~~on the slope shall be~~
4. Install chain-link (or similar exclusionary) fencing along the length of Beyer Boulevard West to funnel wildlife toward the culvert under-crossings and the wildlife overcrossing, while preventing wildlife from crossing the roadway.

5. Provide a six- to eight-foot-tall fence to prevent wildlife from crossing the Beyer Boulevard roadbed where vehicles travel.
6. Install an 8-foot fence when located mid-slope and a 6-foot fence where the fence is located at grade or with a wildlife use area located downslope of the fence.
7. Install fencing that is buried 6 inches into the soil to prevent animals from burrowing under. Install a fine-mesh screen along the bottom two feet of the fence to prevent small animals from moving through it.

- ~~\_\_\_\_\_ determined during the final engineering of Beyer Boulevard West.~~
2. ~~The following are key design features related to the wildlife overcrossing and the three animal under crossings that shall be implemented:~~
  3. ~~Chain-link fencing shall be installed along the length of Beyer Boulevard West. Fencing would funnel wildlife toward the culvert undercrossings and the wildlife overcrossing, while preventing wildlife from crossing the roadway.~~
  4. ~~The height of the fencing shall be based on the slope aspect in relation to the fence, with fence heights being 6 feet up to 8 feet depending on the orientation of the slope. Fence heights shall vary with topographic conditions to ensure adequate control of wildlife movement away from the roadway. Where the fence is located mid-slope with a wildlife usage area located above the fence line, the fence shall be 8 feet tall. Where the fence is located at grade or with a wildlife use area located downslope of the fence, a 6-foot fence height will be sufficient.~~
  5. ~~Wildlife fencing shall be buried 6 inches to prevent animals from burrowing under. Additionally, a fine mesh shall be installed along the bottom two feet of the fence to prevent small animal movement through the fence.~~

#### **Wildlife Overcrossing Landscaping Policies**

1. Utilize excavated native soils from the roadway grading to install three feet of native soil on the overcrossing and ~~The wildlife overcrossing surface shall be planted the overcrossing area~~ with native plants species identified in the plant palette and native soil, approximately 3 feet deep. Soils for the overcrossing shall originate from the surface layer of surrounding native soils.
- 1-2. ~~The Use the~~ following plant palette ~~is identified~~ for the wildlife overcrossing:
  - ~~Coastal cholla (*Cylindropuntia prolifera*)~~
  - ~~California encelia/Bush sunflower (*Encelia californica*)~~
  - ~~Laurel sumac (*Malosma laurina*)~~
  - ~~Coast prickly pear (*Opuntia littoralis*)~~
  - ~~Bladderpod (*Peritoma arborea*)~~
  - \_\_\_\_\_

- ~~»~~Lemonade berry (*Rhus integrifolia*)
  - ~~»~~Black sage (*Salvia mellifera*)
  - ~~»~~Mojave yucca (*Yucca schidigera*)
  - ~~»~~Purple needlegrass (*Stipa pulchra*)
  - ~~»~~Small flowered needlegrass (*Stipa lepida*)
- Other species native to the Otay Mesa region may also be added to the planting palette with the approval of the City Biologist and Parks and Recreation resource management staff.

~~2.3.~~ Place ~~n~~Native bushes (such as lemonade berry and laurel sumac) found in the area that attain 6- to 8-foot heights ~~shall be placed~~ along the sides of the overcrossing to screen the road and provide refugia.

~~3.4.~~ Incorporate ~~n~~Micro-refugia (e.g., rock and wood structures) ~~shall be incorporated~~ onto the overcrossing and undercrossing surface for small animal stopping points/shelters.

~~5.~~ Design ~~n~~Native plant landscaping on the southern slope at the wildlife overcrossing ~~shall be designed~~ with vegetation that would grow densely to deter human views toward the overcrossing and deter human use. Use ~~n~~Native cacti and other uninviting species shall be selected to deter human access.

### **Wildlife Corridor Management Policies**

1. An endowment would be provided by the Applicant constructing Beyer Boulevard to fund the management and monitoring of the wildlife features for a 10-year period, in addition to ongoing funding in perpetuity to support regular maintenance and monitoring.
2. Implement the ~~A~~ Long-Term Management and Monitoring Plan prepared by RECON Environmental dated August 2024 for the project shall be implemented to ensure all ~~of~~ the wildlife movement features proposed along Beyer Boulevard are monitored and managed for ~~a period of~~ 10 years to evaluate and maintain the functioning of the wildlife crossings.
3. Coordinate with ~~The~~ City Departments and the developer who would construct Beyer Boulevard West parties involved infor the implementation and long-term management of the wildlife movement features ~~include the party constructing Beyer Boulevard, the Streets Division, and the City Parks and Recreation Department.~~

~~The Streets Division shall be responsible for maintaining the structural components of the wildlife overcrossing. The City Parks and Recreation Department or its designee shall be responsible for implementing the Long-Term Management and Monitoring Plan for the 10-year monitoring period, and ultimately the Streets Division shall be responsible for maintenance of Beyer Boulevard and all associated wildlife movement features in perpetuity. The purpose of the monitoring period is to evaluate the success of the wildlife overcrossing and allow for adaptive management as needed to support its functionality. An endowment established by the party constructing Beyer Boulevard shall be provided to fund the management and monitoring of the wildlife features for the 10-year period in addition to ongoing funding in perpetuity to support regular maintenance and monitoring.~~

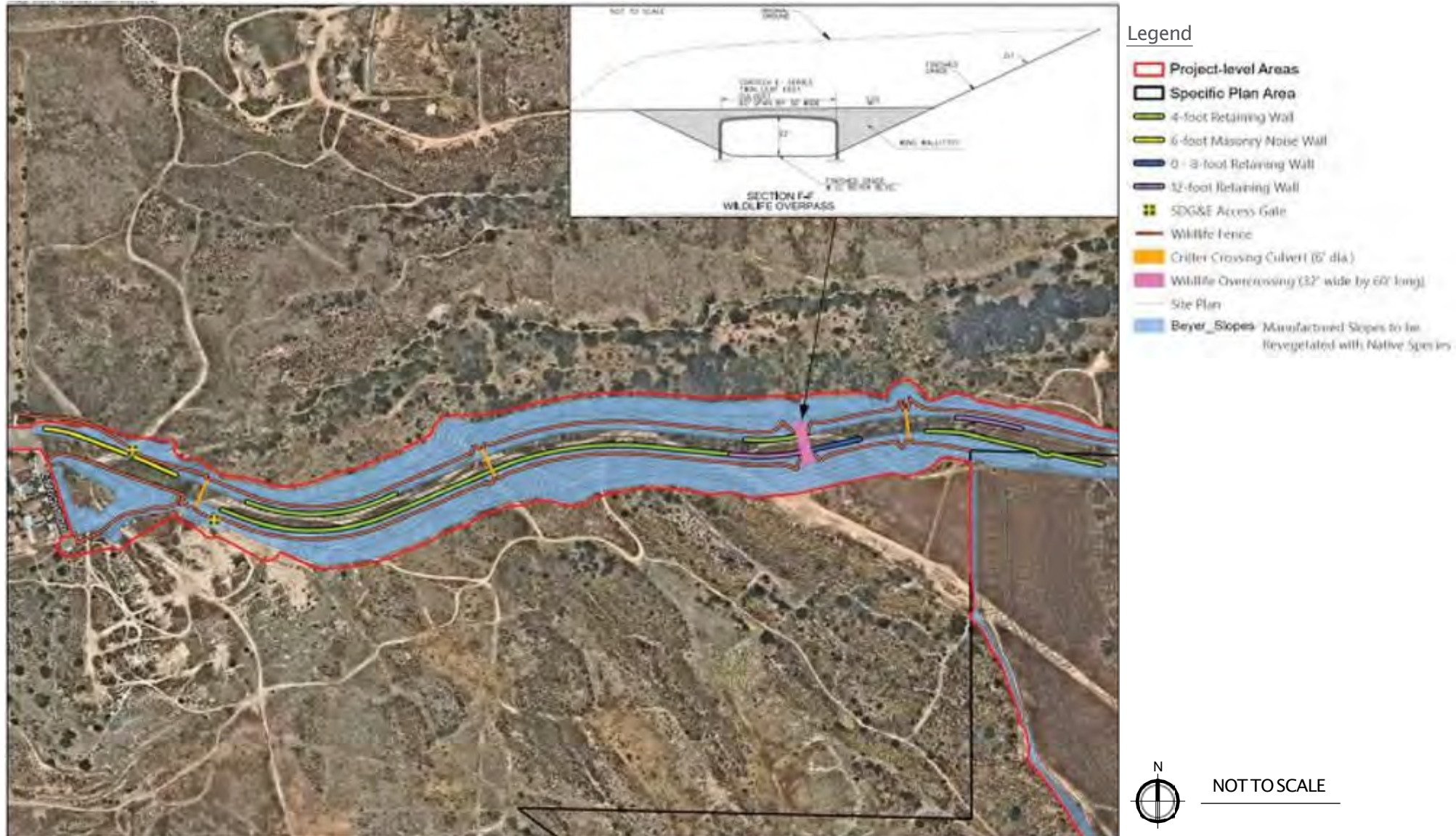
glass).

4. Refer Section 7.9, Supplemental Development Regulations.

#### 5.10.4 — Bird-Safe Glass

- ~~1. Where alternative compliance requires walls with glass panes for fire safety adjacent to open space within Phase 1 or 2, Use bird-safe bird-safe glass shall be used to prevent bird collisions to the satisfaction of the MSCP, City Biologist, and City Engineer to the satisfaction of the MSCP, City Biologist, and City Engineer with glass or transparent panes adjacent to open space to reduce bird collisions.~~
- ~~2. Use bird-safe glass shall include the use of glass with ultraviolet reflective patterns visible to birds but transparent to the human eye, (such as GlasPro Bird Safe Ultraviolet Reflective Glass), or etched or patterned glass that provide provides a visual barrier.~~
- ~~3. Use patterned or etched glass shall have with vertical stripes at least ¼ inch wide with a maximum spacing of 4 inches, or horizontal stripes that are at least ¼ inch wide with a maximum spacing of 2 inches in accordance consistent with the guidance provided in the USFWS publication Low-Cost Methods to Reduce Bird Collisions with Glass (dated June 4, 2021)s prepared June 4, 2021 (USFWS 2021; fws.gov/media/low-cost-methods-reduce-bird-collisions-~~

Figure 5.23 - Beyer Boulevard West Wildlife Corridor Crossings



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06

*INFRASTRUCTURE*

## 6.1 — OVERVIEW

This section summarizes the requirements for water, wastewater, drainage, and stormwater ~~quality~~, and other infrastructure ~~required~~ to support the development of the Southwest Village ~~Specific Plan~~. ~~The Specific Plan provides an overall framework for Utility-utility infrastructure, such as water, stormwater, sewer, and electrical lines, to provide service will be installed adjacent to the curb to ensure there is an adequate setback from the street trees that will be centrally located in the median.~~

## 6.2 — WATER

~~The Southwest Village Water Study defines the facilities needed to supply potable water to the Southwest Village Specific Plan area. Currently, the project site~~The Specific Plan area is not in an area of the City does not have existing with potable water service; therefore, water facilities ~~required~~ needed for service will mainly consist of extending the existing City of San Diego water distribution system and appurtenant facilities, as shown in *Figure 6.1, On-Site Water System within the Specific Plan Area*. Based on the projected demands and phasing considerations in the Southwest Village Water Study, the recommended ~~off-site~~ water supply facilities outside of the Specific Plan area include:

- A 16-inch water main in Otay Mesa Place, Otay Mesa Road, and Beyer Boulevard from the Princess Park Pump Station will supply water to the Specific Plan area.

Based on the projected demands and phasing considerations, the recommended ~~on-site~~ water distribution facilities within the Specific Plan area include:

- A 16-inch water line backbone loop through the buildout development site.
- A 16-inch water main extended north to Caliente Avenue and connected to the existing 16-inch water main.
- 12-inch water line loops extended from the 16-inch backbone system.

The estimated peaking factors for water demand, in accordance with the ~~City's of San Diego Department~~ Facility Design Guidelines ~~\_Book 2~~, are as follows:

- The estimated maximum day demand for the project is 3,425,031 gallons per day (gpd) or 2,378 gallons per minute (gpm).
- The estimated peak hour demand is 7,874,832 gpd (3,171 gpm).

~~Moreover, t~~The fire flow requirements for the Southwest Village development, as set forth by the City's design criteria, are anticipated to vary by land use. A range of 2,000 gpm to 4,000 gpm for five hours is the predicted fire flow requirement for the project.

~~The project site~~Specific Plan area will be served by the City of San Diego Otay Mesa 680 Pressure Zone, which is a closed zone (completely pumped zone) and is supplied by three water booster pump stations and an emergency inter-district interconnect. ~~The Development within the project~~Specific Plan area will require upgrades to the Princess Park Pump station. contribute financially its fair share of the necessary electrical, controls, and telemetry improvements at the Princess Park Pump Station to ensure redundant 680 Pressure Zone service.

The commercial fire flow is 2,000 - 4,000 gpm, and the total maximum day demand is 2,734 gpm. This demand ~~must would need to be provided by at least two sources of supply at all times~~always provided by at least two sources of supply, as this demand is greater than what can be supplied by a single water booster station.

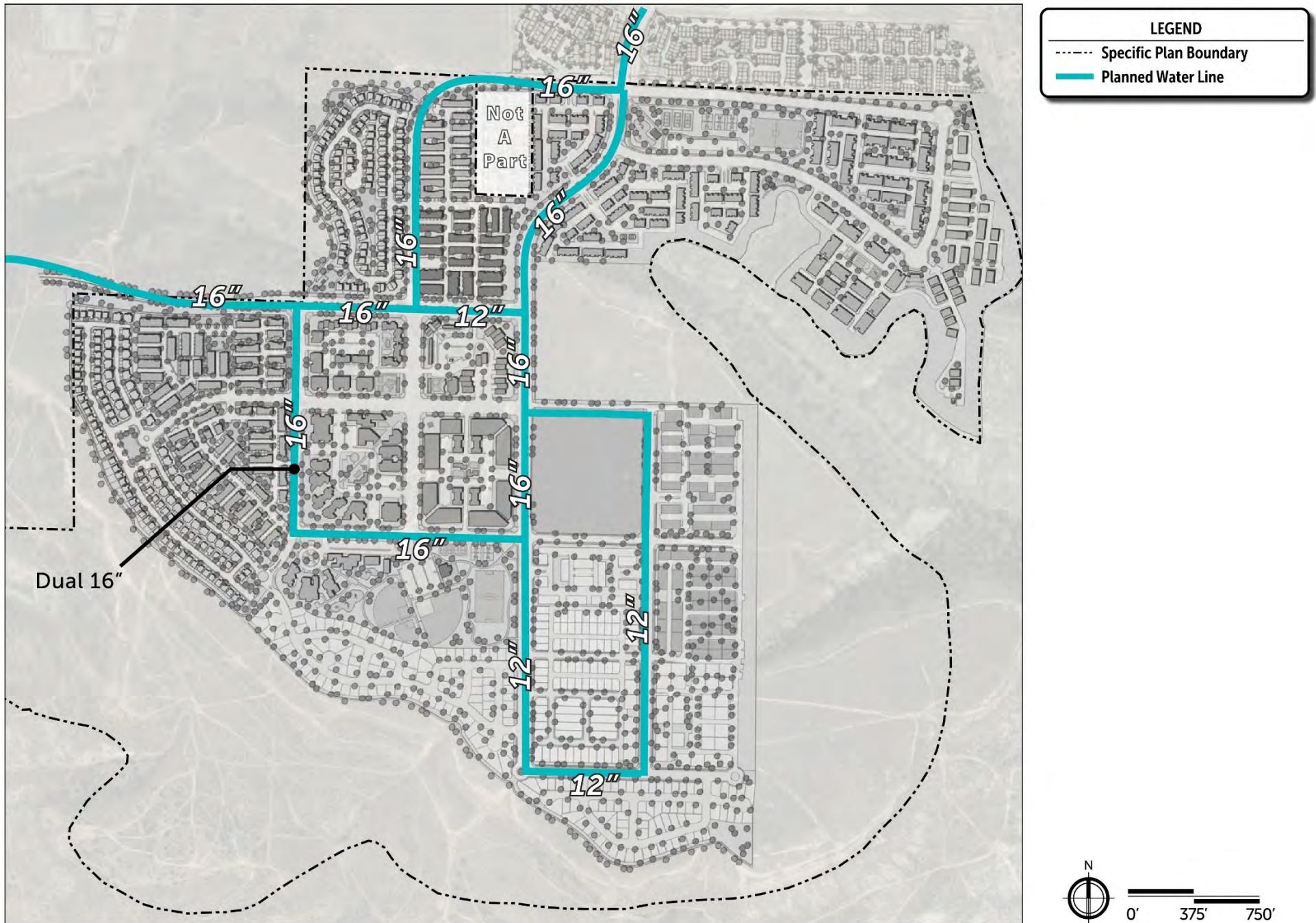
Due to the varying elevations of the ~~site~~Specific Plan area, individual pressure regulators ~~must would need to be installed at all building services below an elevation of 496 feet in order~~ to comply with the California Plumbing Code. The on-site potable water distribution for the ~~project site~~Specific Plan area would result in a maximum static pressure range from 71 to 89 pounds per square inch, which is anticipated to serve the Specific Plan area entire development by a single pressure zone (680 Zone).

The water facilities that ~~will would~~ be extended and constructed in the Specific Plan area~~Southwest Village development~~ are

~~expected to only serve only the development the Specific Plan area. No The Specific Plan does not assume that future any future development is planned in the project vicinity of the Specific Plan area that would utilize and extend the project's on-site water distribution infrastructure~~

~~beyond the Specific Plan area. Additionally, tFuture development within the Specific Plan area wouldhe project will utilize the existing Lower Otay Treatment Plant and clearwell Clearwell and South San Diego Reservoir Reservoir to meet the required needed potable water storage for the project.~~

Figure 6.1 — On-Site Water System Water System within the Specific Plan Area



## 6.3 — WASTEWATER

The Southwest Village Sewer Study defines the facilities needed to provide sewer/wastewater service to the Southwest Village Specific Plan area. The sewer facilities ~~required~~ needed for service mainly consist of ~~on-site~~ collection systems and lift stations within the Specific Plan area whose force main(s) ~~will~~ would connect to the existing City of San Diego sewer system. The Specific Plan area ~~is not in an area of the City with~~ does not have existing sewer service. Sewer service for the Southwest Village Specific Plan area project ~~will~~ would be provided by a combination of gravity flow and pumping the project flow from future development within the Specific Plan area via two proposed ~~onsite~~ sewer lift stations within the Specific Plan area to the existing City of San Diego public sewer system in South Beyer Boulevard. The Southwest Village project ~~will sewer to the Otay Mesa Trunk Sewer (OMTS) as shown in Figure 6.2, On-Site Sewer Infrastructure System within the Specific Plan Area.~~ The Specific Plan area would be connected to the Otay Mesa Trunk Sewer. Wastewater facilities within the Specific Plan area would be a combination of public and private facilities. Wastewater improvements outside the Specific Plan area would be public facilities and would be constructed in existing public streets and/or rights-of-way. The peak dry weather flow for the Southwest Village area would be 2,030,137 gpd (1,410 gpm), and the peak wet weather flow would be 3,755,754 gpd (2,608 gpm).

Based on projected demands and phasing considerations in the Southwest Village Sewer Study, the recommended wastewater facilities within the Specific Plan area include:

- Gravity sewer lines ranging from 8-inch to 18-inch diameter.
- Two sewer lift stations throughout the project.
- Force mains with a diameter of 6-inch to 8-inch conveying flow from the proposed on-site sewer lift stations to either other areas of the project site or off-site to the existing public sewer system.
- ~~On-site sewer facilities are proposed to be a combination of public and private facilities.~~

recommended ~~off-site sewer/wastewater~~ facilities outside of the Specific Plan area include:

- An extension of the master planned Otay Mesa Trunk Sewer with OMTS in Otay Mesa Road and Beyer Boulevard rights-of-way.
- A gravity sewer line in the Beyer Boulevard extension west of the ~~project~~ Specific Plan area.
- ~~Off-site sewer improvements will be public facilities and will be constructed in existing public streets and/or rights-of-way.~~

The peak dry weather flow for the Southwest Village project is 2,030,137 gpd (1,410 gpm), and the peak wet weather flow will be 3,755,754 gpd (2,608 gpm).

### 6.3.1 — Onsite Sewer System within the Specific Plan Area

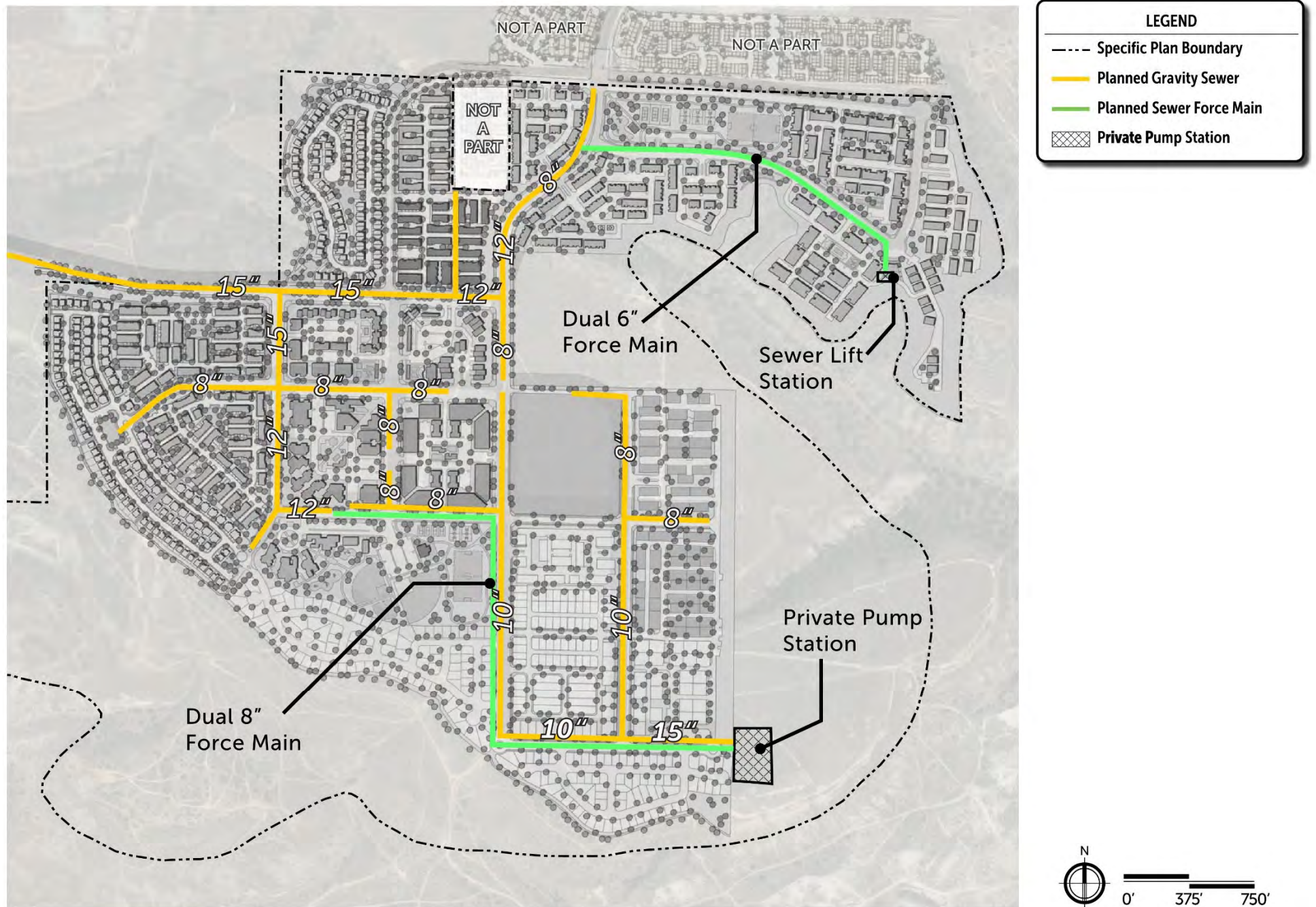
The ~~onsite~~ sewer system ~~to serve the~~ within the Specific Plan area ~~will~~ would be composed of 8-inch, 10-inch, 12-inch, 15-inch, and 18-inch gravity sewer piping; however, the entire Specific Plan area cannot be served by a gravity sewer system alone. The 18-inch gravity sewer piping ~~is~~ would be needed ~~necessary~~ for select segments on the western end of proposed Beyer ~~Blvd~~ Boulevard due to velocities being greater than 10 feet per second. The use of lift stations ~~will~~ would be ~~necessary~~ needed since the Specific Plan area is topographically positioned downhill of existing sewer facilities. The ultimate buildout ~~on-site~~ of the sewer system configuration would results in one connection to an existing sewer main. This connection ~~is~~ would be to an existing gravity sewer line west of the Specific Plan area in South Beyer Boulevard at the intersection of Old Otay Mesa Road. The ~~project~~ Specific Plan area would ~~use~~ proposes using two lift stations, with an average flow of 411,926 gpd (286 gpm) for Lift Station 1, and 261,435 gpd (182 gpm) for Lift Station 2. The force mains of these two lift stations ~~will~~ would discharge into the ~~onsite~~ gravity sewer system within the Specific Plan area.

### 6.3.2 — Offsite Sewer System outside the Specific Plan Area

~~As of~~ Since 2020, the City ~~is~~ has implemented ~~ing~~ a basin-wide sewer improvement project that involves the construction of the new ~~OMTS Otay Mesa trunk~~ Trunk sewer ~~Sewer~~ line to convey the current and future sewer flows in the Otay Mesa sewer sub-basin. Portions of the Otay Mesa Trunk Sewer ~~this~~ project have already been ~~implemented and constructed as private and public development.~~

~~The Southwest Village project~~Future development within the Specific Plan area ~~will would~~ be responsible for certain improvements to the Otay Mesa Trunk Sewer~~OMTS~~ along portions of: Otay Mesa Road and Beyer Boulevard ~~have been identified as portions of the proposed OMTS that Southwest Village is responsible for.~~ The improvements to the Otay Mesa Trunk Sewer would involve the replacement of approximately 3,600 linear feet of existing gravity sewer with a 27-inch to 33-inch diameter PVC sewer line. ~~The Southwest Village development~~ Development within the Specific Plan area will would share in the cost and construction of ~~this these~~ improvements with other future private developments ~~in its vicinity~~outside of the Specific Plan area. ~~The necessary off-site improvement to the OMTS involves the replacement of approximately 3,600 linear feet of existing gravity sewer with a 27-inch to 33-inch diameter PVC sewer line.~~

Figure 6.2 — On-Site Sewer System within the Specific Plan Area



## 6.4 — DRAINAGE AND STORM WATER QUALITY

The drainage system design ~~within for the the Southwest Village Specific Plan area~~ is illustrated ~~on in~~ [Figure 6.3, Drainage System](#). The Southwest Village drainage system is designed to utilize the property's natural drainage courses to the extent feasible. Anticipated locations of master storm drain facilities and outfall locations are also shown in Figure 6.3, although the exact siting of these facilities ~~will would~~ be determined at the time future development applications are submitted. Storm drain lines, channels, detention basins, water quality treatment features, and other components of the drainage system shown in Figure 6.3 are based on the existing drainage patterns of the Specific Plan area, where feasible, and the anticipated needs of the drainage system.

### 6.4.1 — San Ysidro Landslide Complex Considerations

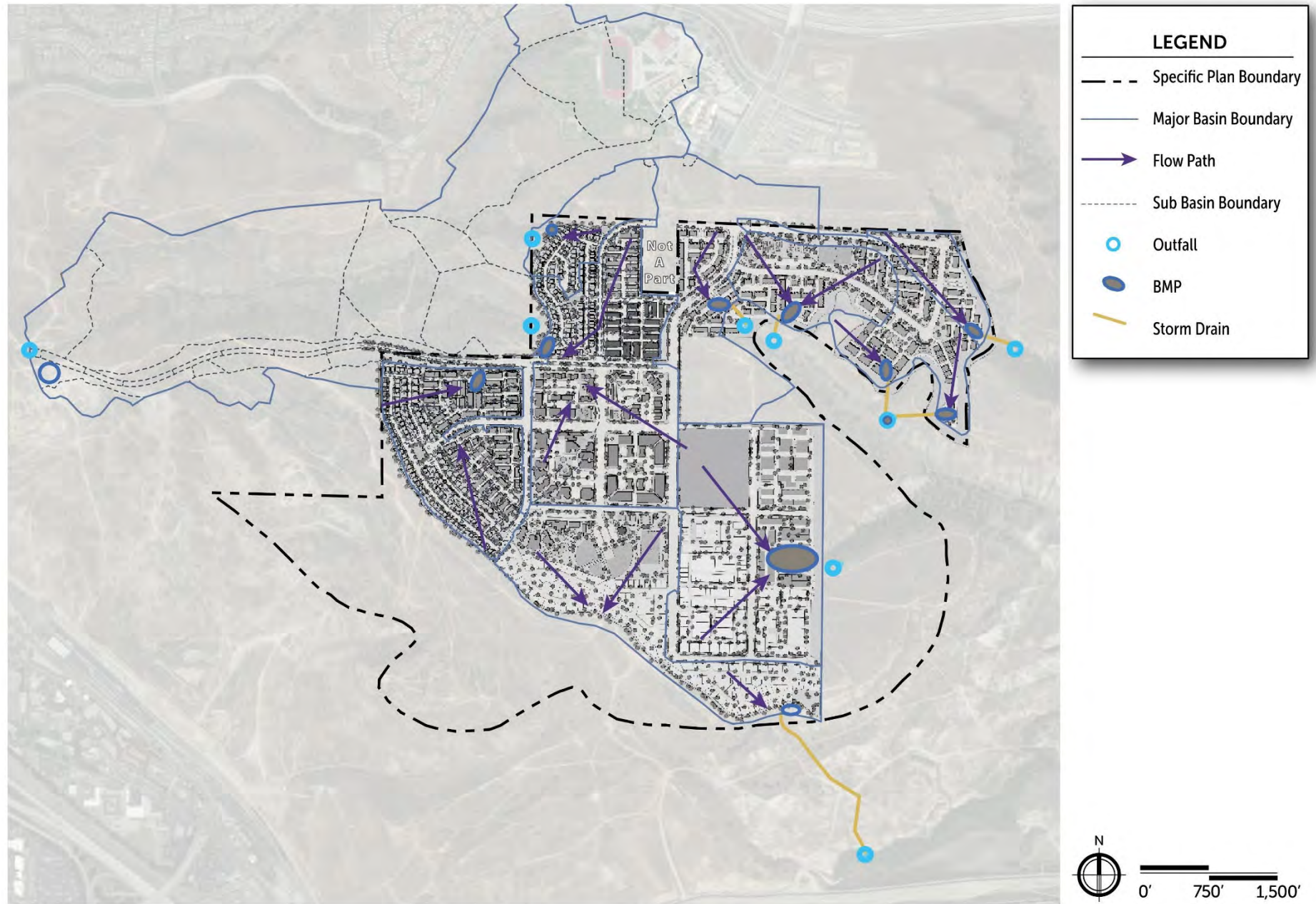
The San Ysidro Landslide complex borders Planning Areas 12, 14, 15, and 18 to the west and is one of the largest landslide features in San Diego County. ~~A To understand this further, Geocon Inc. performed geotechnical investigations that penetrated the landslide in three locations. The geotechnical report concluded that storm-water shall would need to~~ be diverted away from the San Ysidro ~~landslide~~ Landslide complex. The area that drains to the west in the pre-development condition ~~will would need to~~ be diverted either north to Moody Canyon (~25 acres) (and will ultimately flow west, discharging into the Tijuana Estuary), and/or ~~the area will would need to~~ be diverted south to Spring Canyon (~44 acres) (and into Mexico ~~in the post-project condition~~).

### 6.4.2 — Drainage Design Standards

The Specific Plan Area is divided ~~in into~~ two sub-watersheds, one that drains to Mexico via Spring Canyon (East Watershed) and the other that drains west to the Tijuana River, without crossing into Mexico via Moody Canyon (West Watershed). Therefore, the requirements of the sub-watersheds are different. While developments in the East watershed ~~would~~ requires conformance with the Detention Notice, the West watershed ~~is would not be~~ subject to the same requirements, but it is still expected that 100-year storm detention will be implemented to ensure that the existing downstream storm drain facilities ~~in within the Beyer Boulevard right-of-way are would not be~~ adversely impacted.

Due to the landslide complex to the west of Planning Areas 12, 14, 15, and 18, and based on the recommendations of the geotechnical and groundwater reports ~~prepared, no~~ drainage discharge from ~~the proposed development within the Specific Plan area shall would need to~~ be directed ~~into away from~~ the San Ysidro landslide area complex. Flows directed to the Moody Canyon sub-watershed ~~shall would~~ meet hydromodification management plan (~~HMP~~) requirements and detention requirements, while flows directed to the Spring Canyon sub-watershed ~~will would~~ be subjected to hydromodification management plan HMP requirements and enhanced detention requirements based on the Detention Notice (for a 5-year, 10-year, 25-year, 50-year, and 100-year storm events). Refer to Section 7.9, Supplemental Development Regulations.

Figure 6.3 — On-Site Drainage System



### 6.4.3 — Stormwater Quality Best Management Practices

Best management practices (BMPs) ~~will also~~would be incorporated into future ~~projects-developments~~ in accordance with the requirements of the City of San Diego Storm Water Standards. Where feasible, regional-based structural (pollutant) control facilities may be used to accomplish water quality, hydromodification management, and detention requirements. The final BMP strategy ~~will~~would be determined during future site planning efforts.

A drainage and water quality technical report prepared for this Specific Plan recommended the following BMP strategy options to be considered:

- As a preferred alternative, a biofiltration BMP (in the form of a basin) is recommended at the downstream end of each regional drainage area to address the pollutant control, hydromodification management, and flood control detention requirements.
- If a combined hydromodification/pollutant control biofiltration basin with a single outfall is determined to be infeasible, a custom flow spreader design can be implemented along the perimeter of the canyon areas to mimic a sheet flow condition down the slope.
- At the downstream end of each regional drainage area, implement hydromodification control BMP(s) in series with a downstream pollutant control BMP to achieve pollutant control requirements. This ~~can-could~~ be achieved by the use of a subterranean detention vault for hydromodification control with a Modular Wetland System (or similar) downstream to provide pollutant control.
- ~~As a last alternative, an “off-site alternative compliance” approach could be implemented if the project could utilize “credits” from an off-site to offset the on-site pollutant control (and possibly hydromodification management) requirements. Under this option, an on-site “flow-thru” treatment facility within the Specific Plan area would still be ~~required-needed~~ for each drainage management area (or planning area) for treatment control~~

- ~~requirements, but this may reduce extensive pollutant control and hydromodification control BMP footprint in the Southwest Village Specific Plan area.~~

## 6.5 — TELECOMMUNICATIONS AND CABLE SERVICE

~~Communications systems for telephone, telecom, computers, and cable television for the Specific Plan area are serviced by utility providers such as AT&T, Cox, and other independent telecommunications companies in the Specific Plan area. The City also works with service providers to underground overhead wires, cables, conductors, and other structures associated with communication systems in residential areas in accordance with proposed development projects. The City also works with service providers to install 5G telecom poles. Design of telecommunication infrastructure shall comply with the City’s Wireless Communication Facility Guidelines.~~

## 6.6 — ENERGY (ELECTRICITY AND NATURAL GAS)

~~San Diego Gas and Electric Company (SDG&E) is currently responsible provides for the supply, transmission, and distribution of electricity and natural gas to customers in the Specific Plan area.~~

## 6.7 — LANDSCAPING

~~Landscaping improvements within HOA and public right of way are considered infrastructure and shall be in conformance with the approved landscape plan and the landscape standards of the Land Development Manual.~~

## 6.8.6.7 — PUBLIC FACILITIES

### 6.8.16.7.1 — Public Schools

The San Ysidro School District provides elementary and middle schools, and the Sweetwater Union High School District provides a high school that ~~serve~~ services the Specific Plan area—San Ysidro Middle School and Vista Del Mar Middle School (grades 7–8) and San Ysidro High School (grades 9–12). An elementary school site will be provided within the Southwest Village to ~~service~~ serve the Specific Plan area. A portion of the school site ~~would~~ will be provided via a joint-use agreement on the adjacent City neighborhood park. The San Ysidro School District also provides elementary schools—Ocean View Hills Elementary School and La Mirada Elementary School (grades K–6). The Specific Plan includes two sites for schools, Planning Area 16 and Planning Area 7. Refer to Section 7.9, Supplemental Development Regulations for the provisions for regarding alternative land uses. The feasibility of utilizing the second school site in Planning area 7 shall be determined by the San Ysidro School District.

### 6.8.26.7.2 — Solid Waste

The City’s Environmental Services Department provides refuse, recycling, and yard waste collection and disposal services to primarily single-family homes as well as some multi-family and commercial/business customers. Most multi-family residences and commercial and industrial business customers are not served by the City and are required to fund and contract directly with private haulers for trash and recycling collection.

### 6.8.36.7.3 — Libraries

The City of San Diego’s Public Library system has two branch libraries that serve the Specific Plan area: the Otay Mesa-Nestor Branch Library (3003 Coronado Avenue) ~~located off of Beyer Boulevard~~, and the San Ysidro Branch Library (4235 Beyer Boulevard).

### 6.8.46.7.4 — Police

The San Diego Police Department (SDPD) provides police services that include patrol, traffic, investigative, records, laboratory, and support services. The SDPD Southern Division station is the closest SDPD station to the Specific Plan area, located on 1120 27th Street.

### 6.8.56.7.5 — Fire/Emergency Services

The Specific Plan area is serviced by multiple fire stations: San Diego Fire-Rescue Station 29 at 198 West San Ysidro Boulevard, Fire Station 6 at 693 Twining Avenue, Fire Station 30 at 2265 Coronado Avenue, and Fire Station 43 at 1590 La Media Road. Fire Station 29 has an engine, truck, brush, and medic apparatus. The engine responds to both fire and medical incidents. Fire Station 6 serves Otay Mesa and its surrounding areas and has an engine apparatus. Fire Station 30 serves Nestor/South San Diego and its surrounding areas and has an engine and medic apparatus. Fire Station 43 serves Otay Mesa and its surrounding areas and has an engine, ~~crash~~, and brush apparatus. ~~The future~~ An additional fire ~~Station 49 is anticipated~~ will be north of the Specific Plan area, just west of Caliente Avenue on Otay Mesa Road, ~~that which would~~ will also serve the Specific Plan area.

~~— Implementing future projects within the Specific Plan boundary that include more than 200 dwelling units shall submit for City review a Fire Plan demonstrating 1) there are two separate access points; 2) said access points shall be placed a distance not less than half of the maximum overall diagonal dimension of the planning area to be served. Future development permits shall comply with the California Fire Code/California Building Code.~~

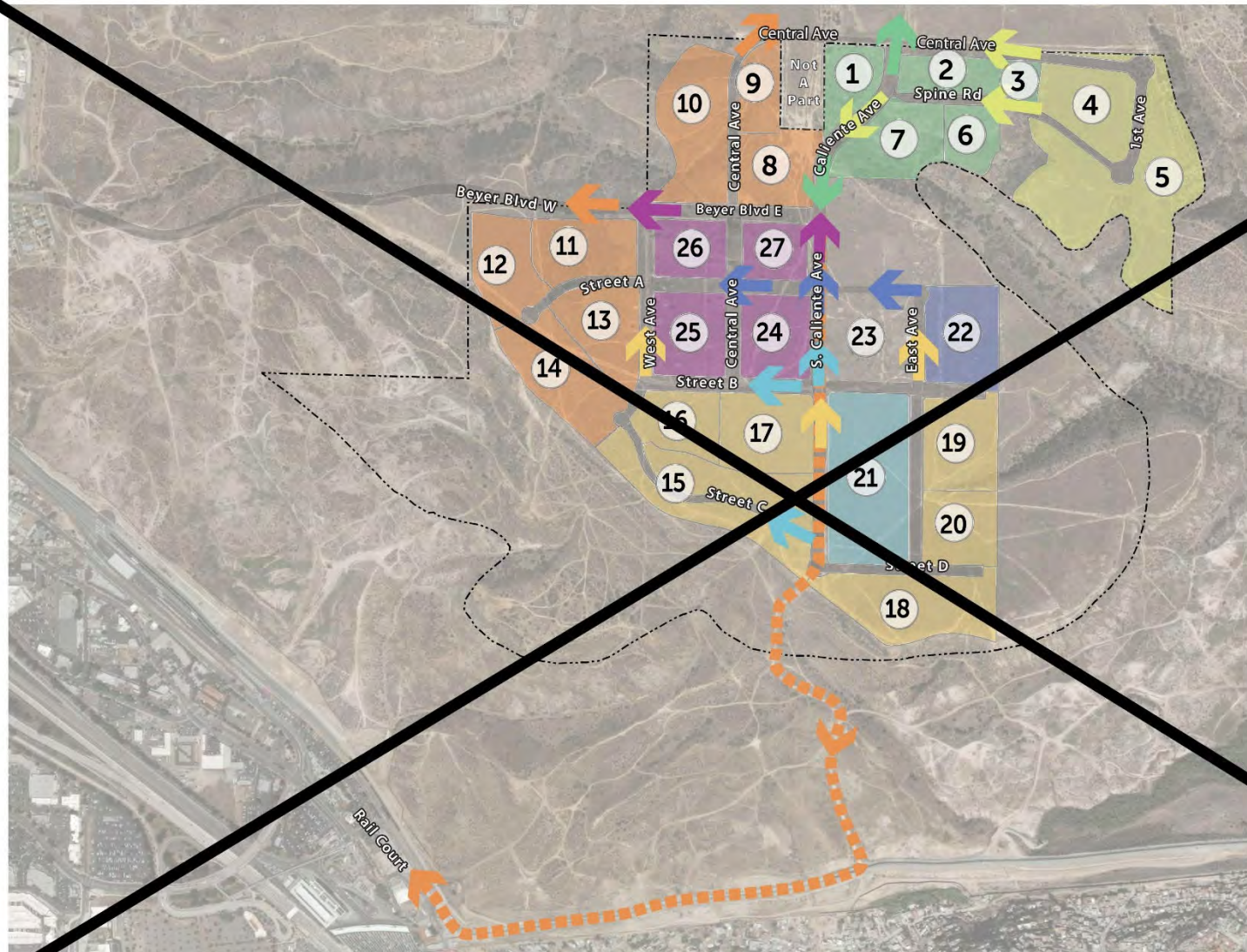
### 6.7.6 — Fire Access by Phase

As shown in *Figure 6.4, Master Fire Access By Phase*, each phase of the Specific Plan would have at least two separate access routes. Beyer Boulevard ~~would~~ will provide the primary east-west fire access to and from I-805 and the San Ysidro community. Caliente Avenue ~~would~~ will provide the primary north-south fire access to and from I-8 and SR-905. A secondary emergency vehicle access road would provide access from East Beyer ~~Boulevard Blvd~~ to the south, southwest to Rail Court along existing utility roads.

The secondary emergency vehicle access road would be required prior ~~to~~before the construction of the 201st dwelling unit. If Beyer Blvd Boulevard West is not constructed before the requirement for a secondary fire access route is triggered, this emergency vehicle access road would serve as the secondary access route to the south of the Specific Plan. The emergency vehicle access road will remain open and usable beyond the construction of 699 dwelling units, when Beyer Boulevard West Blvd is required to be constructed. Vehicular access would be restricted to emergency responders only, with public vehicular access prohibited by a gate and Knox Box. Refer to Section 7.9, Supplemental Development Regulations.

~~Prior to~~Before Phase 2 and the construction of South- Caliente Avenue, the entrance to the secondary emergency vehicle access road may be located at the intersection of East Beyer Boulevard Blvd and future ~~S-~~South Caliente Avenue. Once South- Caliente Avenue is constructed, the gate and Knox Box will be relocated to the intersection of South- Caliente Avenue and Street D. The road will be improved to meet ~~the standards for emergency vehicles only~~emergency vehicle-only standards. The paving will consist of compacted decomposed granite for road grades of zero to five percent, asphalt paving for grades of five to 12 percent, and concrete paving for grades of 12 to 15 percent. Refer to Section 4.5.16, Secondary Emergency Vehicle Access Road.

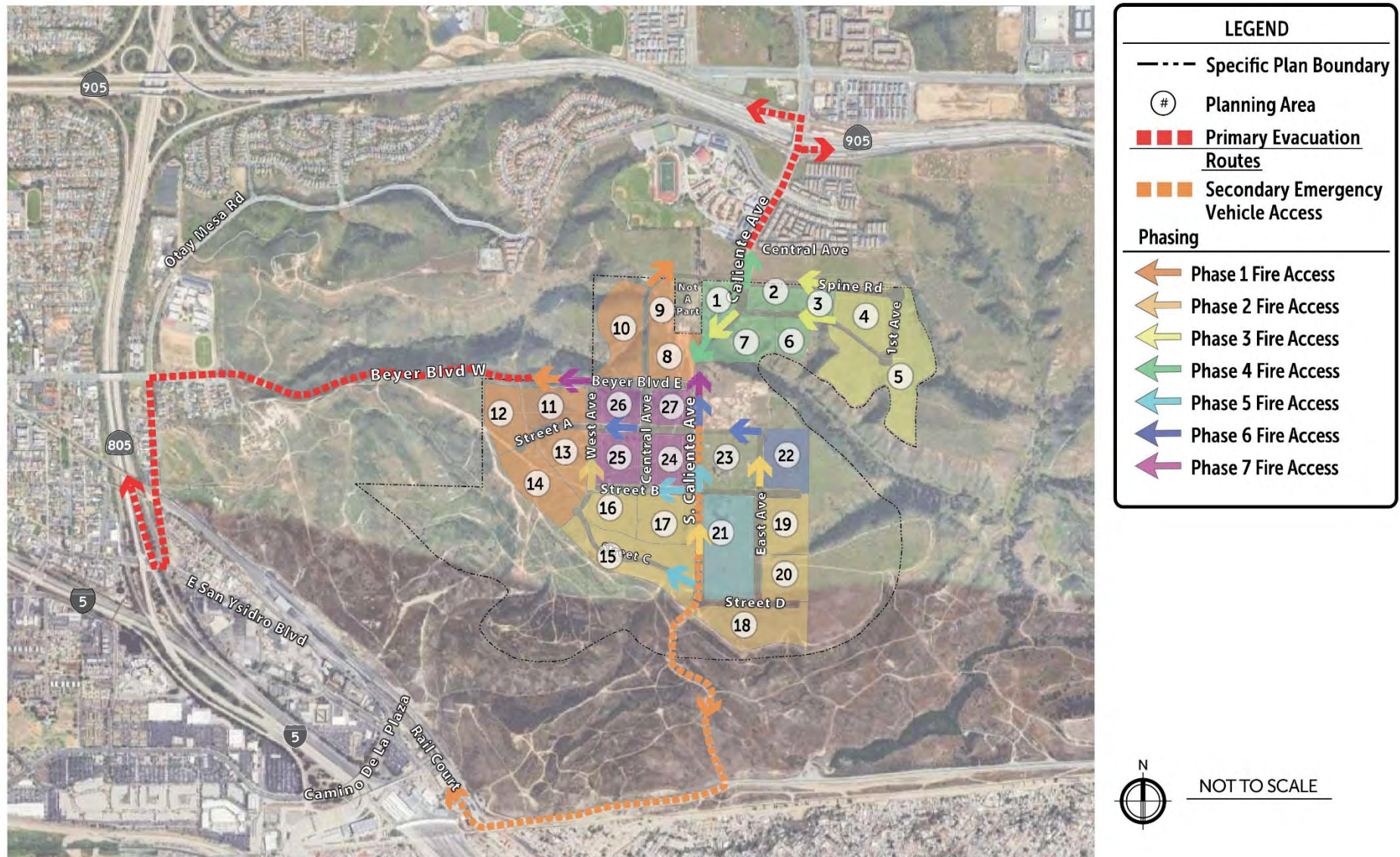
Figure 6.4 – Master Fire Access By Phase



LEGEND	
-----	Specific Plan Boundary
(#)	Planning Area
-----	Secondary Emergency Vehicle Access
Phasing	
← (Orange)	Phase 1 Fire Access
← (Light Orange)	Phase 2 Fire Access
← (Yellow)	Phase 3 Fire Access
← (Green)	Phase 4 Fire Access
← (Light Blue)	Phase 5 Fire Access
← (Dark Blue)	Phase 6 Fire Access
← (Purple)	Phase 7 Fire Access



Figure 6.4 – Master Fire Access By Phase



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S

07

*IMPLEMENTATION  
& ADMINISTRATION*

## 7.1 — PURPOSE

- a) The purpose of the Southwest Village Specific Plan is to provide a framework for the future implementation of the General Plan and Otay Mesa Community Plan by providing a planning and regulatory framework for development of within the Southwest Village Specific Plan Area and adoption of the Specific Plan by the City of San Diego.
- b) Implementation of the Specific Plan will occur through subsequent development permits and approvals by the City to ensure that development is consistent with the this Specific Plan policies and conforms with Specific Plan supplemental development regulations and other applicable requirements.
- c) Implementation of the Specific Plan will ensure orderly development of Southwest Village while allowing flexibility to adapt to more detailed site studies and tailor development to adapt to changes in the market.
- d) Cooperation and coordination between the City of San Diego, regional, state, and federal agencies, private property owners, the San Ysidro School District, various providers of public services, financing and maintenance entities, and design professionals will be required to ensure implementation of the Specific Plan.

## 7.2 — AUTHORITY

- a) Pursuant to California Government Code, Title 7, Chapter 3, Articles 8, Sections 65450 through 65457 and San Diego Municipal Code Section 122.0107, the Southwest Village Specific Plan provides greater planning and design guidance for the Specific Plan area to implement the General Plan and the Otay Mesa Community Plan.
- a)b) The Specific Plan serves as a bridge between the General Plan, Otay Mesa Community Plan, and development within the Specific Plan area.

- c) The Southwest Village Specific Plan serves as both a planning and policy framework and the regulatory functions for Southwest Village.
- d) The Specific Plan governs development within the Southwest Village and contains design guidelines and supplemental development regulations necessary to accomplish this purpose.

## 7.2.3 — ADMINISTRATION

- a) The requirements of this chapter shall be administered and enforced by the City of San Diego Development Services Department and other City departments in the same manner as the provisions of the City of San Diego Land Development Code (LDC) Municipal Code (SDMC) and in conjunction with the policies-supplemental development regulations contained in this Specific Plan.
- a)b) Unless otherwise specified, where the provisions requirements of this Specific Plan differ from those in the LDCSDMC, the provisions requirements of this Specific Plan shall take precedence. Where the Specific Plan is silent on a topic, the SDMC requirements of the LDC shall remain applicable.

## 7.4 — DEVELOPMENT REVIEW

- a) Development shall be reviewed for conformance with the development regulations in the SDMC and the supplemental development regulations within the Specific Plan.
- b) At the time of building permit review, the applicant shall include on the title sheet of the development plans the Implementation Tracking Table provided in Appendix C.

## 7.375 — SEVERABILITY

- a) All regulations, conditions, standards, and policies in this Specific Plan shall be deemed distinct and independent provisions.
- a)b) If any section, clause, phrase, or portion of this document is determined to be invalid by the decision of any federal or state court of competent jurisdiction, such decision shall not affect the validity of the remaining portions of this Specific Plan.

## 7.476

### ENVIRONMENTAL REVIEW

- a) The Southwest Village Specific Plan was required by California law to undergo environmental review in accordance with the California Environmental Quality Act (CEQA).
- b) Pursuant to State and local CEQA guidelines, the City of San Diego prepared a Subsequent Environmental Impact Report (SEIR, State Clearinghouse No. 2004051076) ~~#####, adopted on XXX-XX, XXX~~ to address the potential environmental impacts of the Southwest Village Specific Plan.
- c) The EIR analyzed ~~s~~ the Southwest Village Specific Plan on both a programmatic and a project level. The project level analysis covers the Vesting Tentative Map (VTM) submitted concurrently with the Specific Plan ~~and the trails and infrastructure associated with the VTM.~~
- d) Prior to the approval of the Specific Plan, the EIR was considered and certified by the San Diego City Council. The associated Mitigation Monitoring and Reporting Program, Findings, and Statement of Overriding Considerations were also adopted by the City Council.
- e) Any amendments to this Specific Plan or discretionary approvals required to implement this Specific Plan are subject to the requirements of CEQA.

## 7.7 — WILDLIFE CORRIDOR MANAGEMENT

- a) The developer constructing Beyer Boulevard shall provide an endowment to fund the management and monitoring of the wildlife features for 10 years, in addition to ongoing funding in perpetuity to support regular maintenance and monitoring. The fund shall be determined using a Property Analysis Record tool or an equivalent calculation method to the satisfaction of the Parks and Recreation Department Director.
- b) The City shall be responsible for implementing the Long-Term Management and Monitoring Plan for the 10-year monitoring period to maintain adequate wildlife movement.
- c) The City shall be responsible for maintaining the structural components of the wildlife overcrossing and associated Beyer Boulevard manufactured slopes.
- d) The City shall be responsible for maintaining the culvert undercrossing structure and associated stormwater conveyance system components.

## 7.578 — SOUTHWEST VILLAGE ZONING

- a) A base zone designation from the ~~City's LDCSDMC~~ is identified for each specific plan land use category, as shown on *Figure 2.1, Southwest Village Land Use Plan*, and *Table 2.1, Development Summary*.
- b) The development regulations and allowable uses from ~~each of the base zones are incorporated by reference from the City's LDC~~ shall apply to the Specific Plan area.
- c) All uses and development regulations of the base zones shall apply except where modified by the Specific Plan Supplemental Development Regulations.
- d) All applicable overlay zones of the SDMC shall apply to the Specific Plan area.

## 7.9— SUPPLEMENTAL DEVELOPMENT REGULATIONS

- a) ~~Supplemental development regulations are identified in **Table 7.1, Southwest Village Zoning**. The purpose of the Supplemental Development Regulations is to provide regulations in addition to the regulations in the SDMC or modify theed regulations than those in the City's LDCSDMC.~~
- b) The following Supplemental Development Regulations (SDRs) apply to development within the Specific Plan area:

### **SDR - 1: Building Setbacks**

- ~~a) Minimum side setback shall be 0 feet; minimum street side setback shall be 0 feet; minimum rear setback shall be 0 feet; minimum front setback shall be 0 feet; minimum street side yard is 0 feet. The maximum front and street side setback shall be 20 feet that applies to 60 percent of the frontage and 10 feet of the setback shall go towards one of the following: paseo, linear park, outdoor eating establishment, or similar amenities that will promote activation of the space.~~
- In the RM-3-7 zone:
- 1) The minimum front-setback, minimum and standard front street side, and minimum side setbacks shall be 0 feet.
  - 2) There shall be no -standard front setbackk shall be 0 feet.
- ~~b) ; minimum street side setback shall be 0 feet; minimum side setback shall be 0 feet; minimum rear setback shall be 5 feet. Minor at grade and above-grade amenities may encroach into the setbacks, such as stairs, balconies, decks or roof eaves.~~
- In the RM-2-5 zone:
- 1) The minimum front and rear setbacks shall be 10 feet.
  - 1)2) The minimum side setback shall be 4 feet.
  - 3) Exceptions:
    - A. The minimum side setback shall be 10 feet when abutting a brush management zone.
    - B. The minimum rear setback shall be 4 feet when abutting an alley.

- c) In the RM-1-3 zone:

- 1) The minimum front setback shall be 8 feet.;
- 2) The standard front -setback shall be 10 feet.;
- 3) The minimum street side-rear setback shall be 10 feet.;
- 4) The minimum side setback shall be a minimum of 4 feet.
- 5) Exceptions:
  - A. The minimum side setback shall be 10 feet when abutting a brush management zone.
  - B. The minimum rear setback shall be 4 feet when abutting an alley.

~~Setback encroachments may occur to allow buildings to address physical site constraints, and/or to provide building articulation to increase the public realm. Minor at-grade and above-grade amenities may encroach beyond the minimum 10-foot setbacks, such as stairs, decks or roof eaves. Side yard setbacks shall be a minimum of 10 feet when parallel to brush management zones.~~

### **SDR - 2: Floor Area Ratio**

- a) In the RM-3-7 and RM-2-5 zones, the maximum floor area ratio shall be 2.0.
- b) In the RM-1-3 zone, the maximum floor area ratio shall be 1.3.

### **SDR - 3: Structure Height**

In the RM-1-3 zone, the maximum structure height shall be 40 feet.

### **SDR - 4: Mixed Use Developments**

In the RMX-1 zone, all premises shall comply with the regulations in Chapter 13, Article 1, Division 7, Section 131.0718.

Tandem parking shall count as two parking spaces toward the off-street parking requirement subject to the requirements set forth

in Chapter 14, Article 2, Division 5,

§142.0555 of the LDC:

#### **SDR - 5: Driveways Fronting East Avenue**

In the RM-2-5 zone, development fronting East Avenue, north of Street B, shall be limited to one driveway onto East Avenue south of the roundabout cul-de-sac. An additional driveway opening may be permitted, subject to approval by the City Engineer for a lot with at least 200 feet of total street frontage. For corner lots, the length of the street frontage may be combined for the purpose of this calculation.

#### **SDR - 6: Minimum Required Parking Without an 18-foot Driveway**

In the RM-1-3 zone, any multiple dwelling unit with a garage that does not provide a driveway that is at least 18 feet long, measured from the back of the sidewalk to that portion of the driveway most distant from the sidewalk, shall provide one additional parking space. This additional parking space may be on-street, abutting the subject property.

#### **SDR - 7: Walls and Fences**

- a) Walls and fences in a front or street side yard abutting a public street shall be located a minimum of 3 feet from the property line.
- b) Walls and fences shall be separated from the adjacent public right-of-way by a landscape strip that is a minimum of 3 feet in width, measured from the property line.
- c) Walls and fences located in or adjacent to the required front or street-side yards that exceed 6 feet in height shall be screened by landscaping of at least 3 feet in height. This landscaping shall be separated from the adjacent public right-of-way by a landscape strip that is at least 3 feet wide, measured from the property line.
- d) Any walls or fences greater than 6 feet in height and over 50 linear feet that are visible to the public (including visible from public trails, parks, schools, roadways, etc.) must shall include landscape screening to the satisfaction of the City's Development Services Department - Landscape Analysis Section Development Services Director or designee.

**Walls and fencing that do not exceed 31 linear feet in**

**height shall be allowed adjacent to sensitive resource areas.**

#### **SDR - 8: Grading**

- a) To the maximum extent feasible, manufactured slopes shall blend with existing or planned adjacent topography and be naturalized. Alternative grading design, including exceedance of allowable development area, may be used according to the following to achieve avoidance of sensitive natural resources:
  - 1) Newly created manufactured slopes shall be landform graded with undulating slopes, irregular/varying gradients, and with the top (crest) and bottom (toe) of new manufactured slopes rounded to resemble natural landforms.
  - 2) The transition between manufactured slopes and natural topography shall be blended to avoid harsh angular lines.
  - 3) Landscaping on manufactured slopes adjacent to natural topography shall be similar to the vegetation on the natural slopes.
- a)b) Grading of manufactured slopes shall minimize substantial damage or alteration of significant permanent natural resources areas, wildlife habitats, or native vegetation areas which are designated by the Specific Plan or implementing tentative subdivision maps for future development.
- c) Slopes that are adjacent to Beyer Boulevard, Caliente Avenue, and Central Street major streets shall be landform graded regardless of the adjacent topography except when necessary to minimize impacts to sensitive natural resources.
- b)d) Phasing of grading within each planning area shall provide for the safety and maintenance of other planning areas already developed or under construction, and visual mitigation (revegetation) of all manufactured slopes.

#### **SDR - 9: Bioretention Basins**

Bioretention basins shall be designed to meet horticultural requirements of the plant material used therein, to include a minimum growing medium depth of 24 inches for shrubs and 36 inches for trees.

### **SDR - 10: Sidewalks**

Sidewalks (throughway zone) within the parkway for public streets shall be a minimum of five feet in width, except along Beyer Boulevard West due to environmental constraints.

### **SDR - 11: Street Design**

The street design standards listed in the specification tables in **Section 4.5** of the Specific Plan that include the modifications to the Street Design Manual shall supersede the applicable standards within the Street Design Manual.

### **SDR - 12: Emergency Vehicle Access Road**

- a) A secondary emergency vehicle access road, shown as Segment 32, shall be required prior to issuing a building permit for the 201st dwelling unit.
- a)b) The emergency vehicle access road shall have a gate and Knox Box to restrict vehicular access to emergency responders and authorized personnel only.
- c) The emergency vehicle access road shall adhere to the standards outlined in the City of San Diego Fire-Rescue Department's Policy on Fire Access Roadways.
- d) Development shall not front the emergency vehicle access road.

### **SDR - 13: Perimeter Trails**

- a) Perimeter trail tread widths shall be 8 feet, except in areas abutting a 4:1 slope, where the trail tread may be 7 feet in width.  
~~For trails in MHPA, the maintained trail tread shall not exceed 4 feet in width.~~
- b) The perimeter trail shall be integrated into the Zone One Brush Management Program as part of the development footprint outside of the Multi-Habitat Planning Area or conservation easements.  
~~Trail implementation within the open space surrounding the Specific Plan development area shall be sited to avoid impacts to jurisdictional resources, including wetlands, drainages, and vernal pool resources.~~

- c) Where necessary and where avoidance can be maintained, small foot bridges may be installed to facilitate drainage crossings.
- d) A recreation easement shall be recorded over each segment of the perimeter trail to allow public access. This shall also include the portion of any perimeter trail that utilizes the fire access road to the north of within Planning Area 2329.
- e) Perimeter trails shall be constructed concurrently with adjacent development.

### **SDR - 14: Primitive Trails**

- a) A recreation easement shall be recorded for primitive trails on privately owned property to allow for public access.
- b) For trails in the Multi-Habitat Planning Area MHPA, the maintained trail tread shall not exceed 4 feet in width.
- c) Trail implementation within the open space surrounding the Specific Plan development area shall be sited to avoid impacts to jurisdictional resources, including wetlands, drainages, and vernal pool resources.
- d) Primitive trails shall be located around the vernal pools and outside of the vernal pool watersheds ~~habitat areas~~.
- e) Primitive trails shall be constructed concurrently with development and prior to dedication of land to the City.

### **SDR - 15: Non-Compliant Trails**

- ~~Non-compliant trails shall be closed to the public.~~
- a) Any proposed trail alignment shall close all non-compliant trails within 50 feet of each side of the proposed trail alignment. Refer to **Figure B-1, Non-Compliant Trails**.
- b) The closed non-compliant trails shall be restored to natural habitat to allow for natural vegetation regrowth to occur for the remaining portions.
- c) Signage shall be installed where appropriate to prevent access to the closed non-compliant trails.

### **SDR - 16: Population-Based Parks**

On-site parks meeting population-based park requirements shall be designed and constructed in accordance with the Park Development Standard Terms and Conditions and the ~~Consultant's Guide to Park Design and Development~~ City of San Diego Park Design Manual t to the satisfaction of the Parks and Recreation Director.

### **SDR - 17: Brush Management**

The comprehensive brush management program shall be in accordance with ~~SDMC Section 142.0412f. Alternative compliance from standard fuel modification zones may be granted within the Specific Plan area pursuant to the SDMC, where appropriate, based on fire load modeling of adjacent land.~~

- a) Fire load modeling shall be required wherever alternative compliance is allowed. Potential alternative compliance measures may include fire-rated site walls, upgraded windows as authorized by the Fire ~~Official~~Chief, and private ownership areas maintained by the property owner.

City-owned open space and designated open space mitigation lands with a conservation easement shall not be included in a Brush Management Zone.

- b) Where a 100-foot brush management zone cannot be achieved along canyon edges and open space areas, and alternative compliance measures are in effect, 6-foot non-combustible walls will be required.

Brush Management Zone 1 shall be considered the development footprint and may occur on lands maintained by a Master Maintenance Association or a private property owner.

- c) Brush Management Zone 2 shall be on lands maintained by a ~~Mmaster M~~aintenance Aassociation

### **SDR - 18: Maximum Residential Units**

The maximum number of residential units within the Specific Plan area shall not exceed 5,130 dwelling units, as shown in ~~Table 2.1~~, **Development Summary.**

### **SDR - 19: Density Transfers Between Planning Areas**

Density may be transferred between planning areas that permit residential uses, including privately owned parcels within Planning Areas 2, 23, and 29, subject to the following:

- a) The number of dwelling units in the planning area receiving the density transfer shall not exceed the maximum residential density range specified by the land use designation for the planning area, as shown in **Table 2.1, Development Summary.**
- b) The residential density within the planning area where dwelling units are transferred from shall not be less than the minimum residential density range as a result of the density transfer as specified for that planning area, as shown in **Table 2.1, Development Summary,** and
- c) The total number of dwelling units for the Specific Plan area does not exceed 5,130 dwelling units.
- d) Density transfers shall be subject to the minor modifications process specified in **Section 7.11, Minor Modifications.**

### **SDR - 20: Maximum Commercial Square Footage**

- a) The maximum commercial square footage within the Specific Plan area shall not exceed a total gross floor area of 175,000 square feet, as shown in **Table 2.1, Development Summary.**
- b) The gross floor area for commercial uses shall not exceed the maximum permitted by the floor area ratio for the RMX-1 zone.
- c) Commercial uses are only permitted within Planning Areas 24, 25, 26, and 27.

### **SDR - 21: Alternative Land Uses Allowed**

Alternative land uses within Planning Areas 7 and 16 may be allowed subject to the following conditions.

- a) Planning Area 7.
  - 1) Acquisition period. The San Ysidro School District (SYSD) shall have up to 2 years following the issuance of the construction permits for the 921st dwelling unit, or until January 1, 2035, whichever comes later, to acquire all or a portion of the school site in Planning Area 7. Documentation

shall be submitted by the SYSD to the applicant and City by the 2-year deadline.

2) The applicant shall provide notification in writing to the SYSD and the City, with the final option for the SYSD to acquire all or a portion of the site for the development of a school, 180 days before submitting a permit application for the development of residential within Planning Area 7.

3) The applicant shall submit documentation that the SYSD declined to acquire all or a portion of the school site for the development of a school within Planning Area 7.

b) Planning Area 16.

1) The SYSD shall have up to 2 years following the issuance of the construction permits for the 921st dwelling unit or until January 1, 2032, whichever comes later, for Planning Area 16, to determine the need for the school site within Planning Area 16.

2) The applicant shall provide notification in writing to the SYSD and the City, with the final option for the SYSD to acquire all or a portion of the site for the development of a school, 180 days before submittal of a permit application for the development of residential within Planning Area 16.

3) The applicant shall submit documentation that the SYSD declined to acquire all or a portion of the school site for the development of a school within Planning Area 16.

4) If the regulations above ((b)(1-3)) have been satisfied, then the medium residential density land use designation shall apply to ~~Although the contingency for Planning Area 16, and it would result in approximately~~ may be developed up to a maximum of 136 additional dwelling units. ~~It is assumed that each planning area will not construct the maximum number of dwelling units allowed due to site constraints, development priorities, design characteristics, and market conditions at the time a particular planning area is brought forward for development.~~

**SDR - 22: Residential Density**

a) Development with a residential use shall not have a density that exceeds the maximum density for a planning area as shown in **Table 2.1.**

b) Development with a residential use shall not have a density below the minimum of the density for a planning area in **Table 2.1**, except if a development provides dedication or easement for open space conservation.

**SDR - 23: Stormwater Drainage Design**

a) Stormwater drainage discharge from development shall be directed away from the San Ysidro landslide complex area.

b) Flows directed to the Spring Canyon sub-watershed shall be subjected to hydromodification management plan requirements and enhanced detention requirements based on the Detention Notice for a 5-year, 10-year, 25-year, 50-year, and 100-year storm events.

**SDR - 24: Fire Plan**

Any development that includes more than 200 dwelling units shall submit a Fire Plan showing two separate access points located a distance not less than half of the maximum overall diagonal dimension of the planning area(s) where the development is located.

**SDR - 25: Wildlife Corridor Crossings**

a) Beyer Boulevard West shall be designed, constructed, and maintained to allow for wildlife movement through a wildlife overcrossing and three culverts under the roadway, as shown in **Figure 5.23, Beyer Boulevard West Wildlife Corridor Crossings**, to the satisfaction of the City Manager and the City Engineer.

b) Overcrossing.

1) Location. A wildlife overcrossing shall be constructed across Beyer Boulevard West, approximately 515 feet west of the Specific Plan area boundary, in the location of existing high-use wildlife movement patterns through an existing drainage swale area consistent with the Multiple Species Conservation Program Subarea Plan and Area Specific Management Directives for Otay Mesa.

2) Dimensions. The wildlife overcrossing shall have a minimum width of 32 feet and a minimum length of 60 feet.

- 3) Ends. The overcrossing shall be designed with ends to mimic the existing topographic conditions and include flared entrances to encourage wildlife entry.
- 4) Slopes. Slopes adjacent to the overcrossing ends shall also be revegetated with native vegetation to match the surrounding habitats.
- c) Undercrossing. The Beyer Boulevard extension shall have 3 small animal-undercrossing culverts where the right-of-way crosses conserved habitat open space areas.
  - 1) Location. The culverts shall be installed to provide passage for small animals between Moody Canyon and habitat areas to the south.
  - 2) Dimensions. The culverts shall have a minimum height of 6 feet and a minimum length of 103 feet.
  - 3) Ends. The culvert ends shall also be designed with flares at the ends to encourage entry.
- d) Fencing.
  - 1) Wildlife fencing shall be installed concurrently during the construction of Beyer Boulevard West.
  - 2) Location. Chain-link fencing or similar exclusion fencing shall be constructed along the length of Beyer Boulevard West on both the north and south sides to prevent wildlife crossings along the roadway and to funnel wildlife toward the wildlife crossings. The precise location (elevation) of the fencing on the slope shall be determined during the final engineering of Beyer Boulevard West.
  - 3) Height.
    - A) The height of the fencing shall be based on the slope aspect in relation to the fence, with fence heights being a minimum of 6 feet and a maximum of 8 feet, depending on the orientation of the slope.
    - B) Fence heights shall vary with topographic conditions to ensure adequate control of wildlife movement away from the roadway.
- C) Where the fence is located mid-slope with a wildlife usage area located above the fence line, the height of the fence shall be 8 feet.
- D) Where the fence is located at grade or with a wildlife use area located downslope of the fence, the height of the fence shall be 6 feet.
- 4) Installation.
  - A) Wildlife fencing shall be installed a minimum of 6 inches below grade to prevent animals from burrowing under.
  - B) A fine mesh shall be installed along the bottom two feet of the fence to prevent small animal movement through the fence.
- e) Gate. Near the western end of the proposed Beyer Boulevard West, where vehicular access is needed for an SDG&E easement, a gate shall be added on the north and south sides of the roadway to allow for vehicular entry while keeping wildlife from entering the roadway.
- f) Landscaping.
  - 1) The wildlife overcrossing surface shall be landscaped with native plants and native soil at a minimum depth of 3 feet.
  - 2) Soils for the overcrossing shall originate from the surface layer of the surrounding native soils.
  - 3) The following plant palette shall be used for landscaping the wildlife overcrossing:
    - A) Coastal cholla (*Cylindropuntia prolifera*)
    - B) California encelia/Bush sunflower (*Encelia californica*)
    - C) Laurel sumac (*Malosma laurina*)
    - D) Coast prickly pear (*Opuntia littoralis*)
    - E) Bladderpod (*Peritoma arborea*)
    - F) Lemonade berry (*Rhus integrifolia*)
    - G) Black sage (*Salvia mellifera*)
    - H) Mojave yucca (*Yucca schidigera*)
    - I) Purple needlegrass (*Stipa pulchra*)

- J) Small flowered needlegrass (Stipa lepida)
- K) Other species native to the Otay Mesa region may also be added to the planting palette, to the satisfaction of the City Biologist and Parks and Recreation Director.
  - i. Native bushes found in the area that attain 6- to 8-foot heights shall be placed along the sides of the overcrossing to screen the road and provide refugia. Native bushes include lemonade berry and laurel sumac.
  - ii. Micro-refugia (e.g., rock or wood structures) shall be incorporated onto the overcrossing and undercrossing surface for small animal stopping points/shelters.
  - iii. Native plant landscaping on the southern slope at the wildlife overcrossing shall be designed with vegetation to deter human views toward the overcrossing and deter human use. Native cacti and other uninviting species may be selected to deter human access.

Wildlife Corridor Management

- The developerApplicant constructing Beyer Boulevard shall provide an endowment to fund the management and monitoring of the wildlife features for the 10-year period, in addition to ongoing funding in perpetuity to support regular maintenance and monitoring. The fund shall be determined based on a Property Analysis Record (PAR) tool or equivalent calculation method to the satisfaction of the City Parks and Recreation Department Director.
- The City Parks and Recreation Department or its designee shall be responsible for implementing the Long-Term Management and Monitoring Plan (Attachment A; Recon Environmental, August 2024) for the 10-year monitoring period to maintain adequate wildlife movement.
- The City Transportation Department Streets Division shall be responsible for maintaining the structural

components of the wildlife overcrossing and associated Beyer Boulevard manufactured slopes:

- The City Stormwater Department shall be responsible for maintaining the culvert undercrossing structure and associated stormwater conveyance system components:

**SDR - 26: Bird Safe Glass**

- a) Where walls with glass or transparent panes for fire safetyare proposed adjacent to land designated as open space, bird-safe glass shall be used to prevent bird collisions to the satisfaction of the MSCP, City Biologist, Development Services Department Director Environmental Designeeand City Engineer.
- b) Bird safe glass shall include the use of glass with ultraviolet reflective patterns visible to birds but transparent to the human eye, or etched or patterned glass that provides a visual barrier.
- c) Patterned or etched glass shall have vertical stripes at least 0.25 inch wide with a maximum spacing of 4 inches, or horizontal stripes that are at least 0.25 inch wide with a maximum spacing of 2 inches in accordance with the guidance provided in the USFWS publication *Low-Cost Methods to Reduce Bird Collisions with Glass*, dated June 4, 2021.

**SDR - 27: Transportation Facilities**

Developments requesting a subdivision shall demonstrate that public rights-of-way with pedestrian and bicycle facilities within the proposed subdivision align with public rights-of-way within adjacent development and planning areas.

**SDR - 28: Recreational Amenity Enhancements**

- a) Recreational amenity enhancements shall be included within public spaces, parks, and along trails.
- b) Amenity enhancement typology and design may vary.
- c) Each amenity enhancement shall have an identified value category according to the scale and recreational/ social value it contributes to the recreational needs of the Specific Plan area, consistent with the Parks Master Plan.

- d) Development shall provide amenities with a minimum number of recreational value points established by the Parks Master Plan and General Plan Parks Standards.
- e) Trail amenity enhancements shall be provided along the perimeter trail, paseos, and sidewalks along the Village Core every one-quarter mile as addressed in **Section 5.8, Trail Typology.**

**SDR - 29: Recreation Value Points Phasing**

- a) The recreational value points phasing requirements for public spaces, parks, and trails shall be ~~completed~~ constructed and accepted by the Parks and Recreation Department Director before residential development is permitted beyond the dwelling unit threshold as specified in **Table 7-1, Recreational Value Points Thresholds**, to the satisfaction of the Development Services Department Director. Refer to **Table 5.1, Parks Phasing.**

- b) If the SYSD declines to acquire all or a portion of the school site for the development of a school on Planning Area 16, a development with residential uses shall provide up to 43 recreational value points based on a maximum number of permitted dwelling units. Refer to **Section 7.9** for alternative land uses allowed.

**Table 7-1: Recreational Value Points Thresholds**

<u>Total Recreational Value Points To Be Achieved prior to corresponding Dwelling Unit Threshold</u>	<u>Dwelling Unit Thresholds</u>
<u>417</u>	<u>1,315</u>
<u>687</u>	<u>2,167</u>
<u>947</u>	<u>2,986</u>
<u>1,251</u>	<u>3,943</u>
<u>1,627</u>	<u>5,130</u>

**Medium-Low Density Residential**  
(8-22 du/ac)

R  
M  
-  
1  
-  
3

~~Areas designated as Medium-Low Density Residential shall follow the development regulations for the RM-1-3 zone contained in Chapter 13, Article 1, Division 4, §131.0431, Table 131-04G, §131.0454, except as follows:~~

~~**Structure Height:** Maximum height shall be 40 feet.~~

~~**FAR:** Maximum FAR shall be 1.3.~~

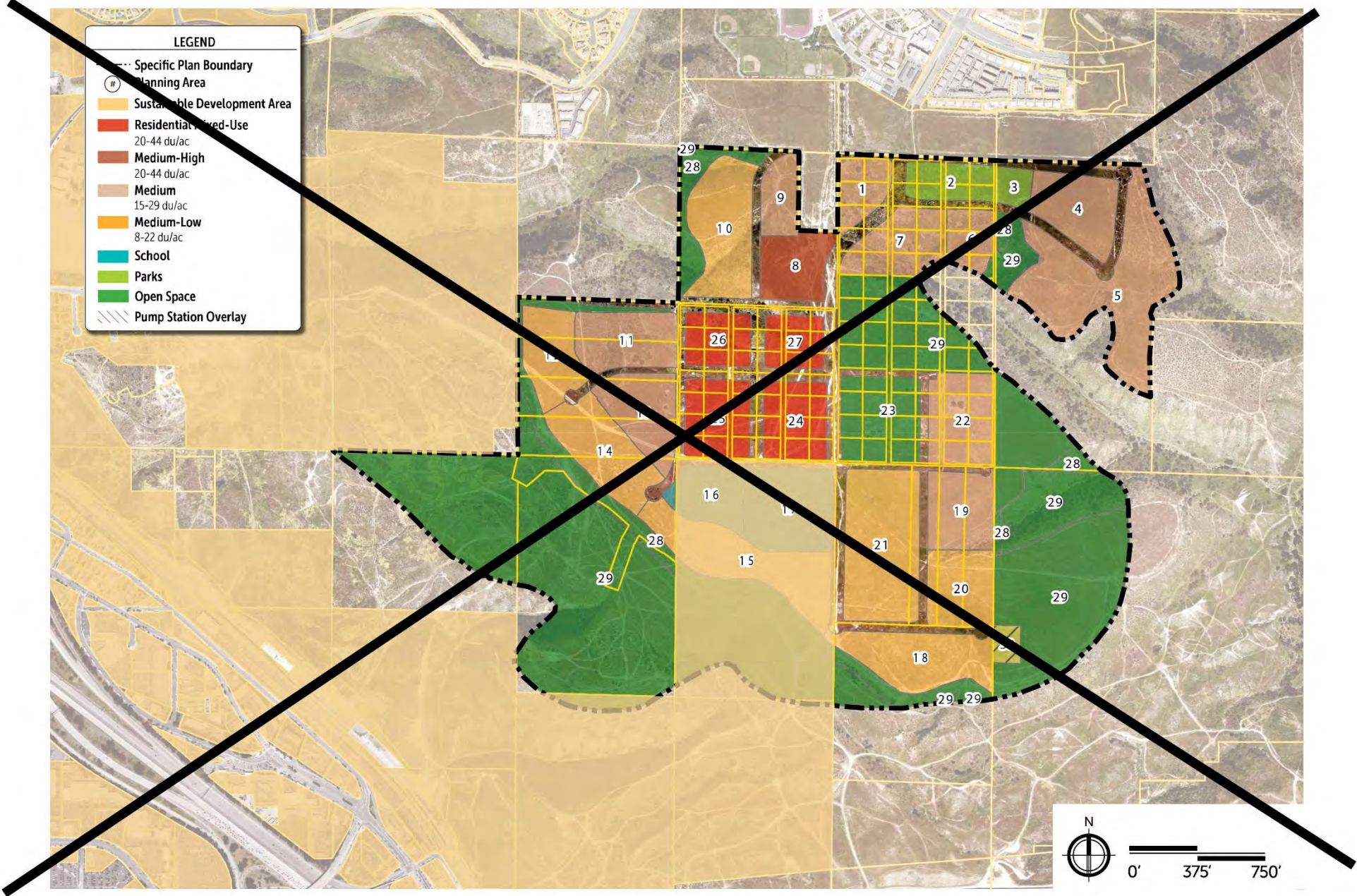
~~**Building Setbacks:** Minimum front setback shall be 8 feet; standard front setback shall be 10 feet; minimum street side setback shall be 10 feet; rear setback shall be 10 feet; side setback shall be a minimum of 4 feet. Setback encroachments may occur to allow buildings to address physical site constraints, and/or to provide building articulation to increase the public realm. Minor at-grade and above-grade amenities may encroach beyond the minimum 10-foot setbacks, such as stairs, decks or roof eaves. Side yard setbacks shall be a minimum of 10 feet when parallel to brush management zones.~~

~~**Wall and Fence Setbacks:** When a rear or side yard face a public street, the rear or side wall or solid fence shall be setback 3 feet to allow for landscaped softening.~~

~~**Driveway Parking:** Any multiple dwelling unit with a garage that does not provide a driveway that is at least 18 feet in length with roll up garage doors, shall be required to provide one additional on/off-street parking space.~~

~~**On-Street Parking:** On-street parking is limited to the east side of Central Avenue because on-street parking requirements are met within Planning Area 9 and 10.~~

Figure 7.1 Sustainable Development Area



## ~~7.6 — SUSTAINABLE DEVELOPMENT AREA~~

~~Portions of the Southwest Village Specific Plan are located within the February 2023 adopted Sustainable Development Area (SDA) including portions or all of Planning Areas 15, 16, and 17, as shown in *Figure 7.1, Sustainable Development Area*. Consequently, per *Section 1.8.6, Land Development Code* of this document the entire Specific Plan area is considered to be within a SDA.~~

## ~~7.7.10 — CONSTRUCTION AND DEVELOPMENT PERMITS~~

~~The Specific Plan will be implemented in phases.~~

### ~~7.10.1 — Phase 1 Approvals~~

~~The Specific Plan was approved with a Vested Tentative Map and Planned Development Permit, and Site Development Permit for Phase 1, which includes Planning Areas 8 to 14.~~

### ~~7.10.2 — Future Phase Approvals~~

~~a) — Future phasing of the Specific Plan may require additional discretionary review approvals and permitting other than what was processed approved with the Specific Plan. ~~The Specific Plan was processed jointly with a Planned Development Permit (PDP) and Site Development Permit (SDP) which is required for qualifying development that because of its location, size, or some other characteristic, may have significant impacts on environmentally sensitive lands (ESL).~~~~

~~a) Unless otherwise specified in this section, applications for Development Permits and Construction Permits, as defined by the San Diego Land Development Municipal Code (LDCSDMC), shall use Process One through Process Five as established in Chapter 11 Article 2 (Land Development Procedures) and permit types as described in Chapter 12 (Land Development Reviews).~~

~~b) All provisions of the LDCSDMC apply except as supplemented by the Specific Plan where specified by the Supplemental Development Regulations in Section 7.2.~~

~~c) — This Specific Plan includes approval of a VTM/PDP/SDP for Phase~~

~~1 (Planning Areas 8-14) only. All subsequent development of Southwest Village will be governed by this Specific Plan, Tentative~~

~~1. — Subdivision Maps, Site Development Permits (SDP), Neighborhood/Planned Development Permits (NDP/PDP), and Environmental Review of individual project proposals:~~

~~c) A development permit shall be obtained if future development within the Specific Plan Area contains environmentally sensitive lands, ~~(ESL)~~ as identified by Chapter 14, Article 3, Division 1 (Environmentally Sensitive Lands Regulations). A Site Development Permit SDP may be reduced to an NDP Neighborhood Development Permit (Process 2), for future development within a Transit Priority Area that does not impact wetlands.~~

~~d) Future development that is not already addressed in the Program/Project Otay Mesa Community Plan Update Program Environmental Impact Report (EIR; SCH No. 2004051076) and/or the associated Southwest Village Specific Plan Subsequent EIR and/or does not impact environmentally sensitive lands ESL or result in additional adverse environmental impacts included analyzed in the CEQA document shall not require a Site Development Permit SDP and may be processed with an Neighborhood Development Permit NDP.~~

~~e) A decision on an application for a minor modification as described in Section 7.110 shall be made in accordance with Process Two Substantial Conformance Review.~~

~~d)f) If a density or intensity transfer is proposed as part of future development, the density/intensity transfer shall be included with the applicable development permit, consistent with Section 7.9 of this Specific Plan.~~

~~2. — Future development will implement public improvements as identified in Table 7.2, Phasing Summary, and would be~~

~~financed through an Enhanced IFD Infrastructure Finance District, specific DDevelopment Impact Fee, or other funding mechanisms.~~

e)g) Development will be subject to the General Plan population-based park requirements in place at the time of building permit issuance.

f)h) Public parks and recreational facilities satisfying population-based park requirements shall be designed through a General Development Plan (GDP)-public input process in accordance with City Council CP 600-33.

i) ~~A Comprehensive Sign Plan (CSP), processed as a Neighborhood Use Permit (NUP) Process Two, per Chapter 14, Article 1, Division 11, Section 141.1103, will shall be submitted during the building permit and site infrastructure process in order to to allow any signs which that are inconsistent with or exceed the allowances of the SDMC City-wide Sign Regulations.~~

~~A Comprehensive Lighting Plan shall be required for lighting that does not comply with the City lighting standards set forth in the LDCregulation. Per the Municipal Code, a Neighborhood Use Permit shall be processed for the Comprehensive Lighting Plan.~~

3.-~~An Encroachment Maintenance and Removal Agreement (EMRA) shall be obtained for any non-standard lighting, gateway, or wayfinding signage within Citythe public right-of-way.~~

j) \_\_\_\_\_

~~A Comprehensive Lighting Plan shall be required for lighting that does not comply the City lighting standards set forth in the LDC. Per the Municipal Code, a Neighborhood Use Permit shall be processed for the Comprehensive Lighting Plan.~~

- ~~a. An Encroachment Maintenance and Removal Agreement (EMRA) shall be obtained for any non-standard lighting, gateway, or wayfinding signage within City right-of-way.~~

## ~~7.8 — DEVELOPMENT POTENTIAL~~

~~The Southwest Village Specific Plan area shall be developed with a total maximum of 5,130 residential units, as illustrated in *Figure 2.1, Southwest Village Land Use Plan*. As shown on *Table 2.1, Development Summary*, each planning area is designated with a specific plan land use, density range (du/ac), and maximum dwelling units allowed. Development regulations are also identified for each specific plan land use to further control the manner of development.~~

~~Specific Plan Land Use: Establishes the land use designation of individual planning areas within the Southwest Village Specific Plan.~~

- ~~● Base Zone: Applies a base zone designation from the City's LDC to individual planning areas within the Southwest Village Specific Plan. As indicated in Table 7.1, deviations from the development regulations of the underlying base zone are modified with supplemental development regulations as part of this Specific Plan.~~
- ~~● Density Range (du/ac): The number of dwelling units per acre that are expected in the planning area, considering the permitted dwelling units per acre density range for each planning area's specific plan land use designation, and the base zones.~~

- ~~● Maximum Dwelling Units: The total maximum number of dwelling units allocated to each planning area as defined by this Specific Plan.~~

## Maximum Number of Dwelling Units

The number of dwelling units allowed within each planning area may be less than or equal to the “Maximum Dwelling Units” allocated by this Specific Plan, as shown in *Table 2.1, Development Summary*, without necessitating a Specific Plan Amendment, provided that:

- The total number of dwelling units for the entire Specific Plan (5,130 dwelling units) is not exceeded.
- The residential density for each planning area shall be below the maximum density of the applicable general plan land use designation, as specified in *Table 2.1, Development Summary*, except as set forth in *Section 7.9, Minor Modification*.
- The amount of developable lot area (in acres), as defined in the LDC, is used to calculate the number of dwelling units allowed.

In the unlikely event a school is no longer needed on Planning Area 16, the site will default to Medium Density Residential use. Although the contingency for Planning Area 16 would result in approximately 136 additional dwelling units, the maximum dwelling unit cap of 5,130 units would still apply. It is assumed that each planning area will not construct the maximum number of dwelling units allowed due to site constraints, development priorities, design characteristics, and market conditions at the time a particular planning area is brought forward for development.

Similarly, in the event affordable housing density bonus is applied to future development applications in the Specific Plan area, the maximum dwelling unit cap would still apply.

## 7.8.2 Land Use Types and Intensities

In response to changing market and planning conditions, the Southwest Village Specific Plan allows for flexibility in the selection of the land use types, intensities, and densities that may occur within each planning area, provided that land uses are in accordance with the zone of the planning area, compatible with surrounding uses, and meets the design

~~requirements of this Specific Plan. Permitted uses under the Southwest Village Specific Plan may include, but not be limited to, parks and open space, community and civic uses, residential, retail commercial and office as specified in this document and regulated by the City's LDC. The selection of permitted land uses that may occur within a planning area shall be governed by the development regulations presented in the City's LDC. The selected land use type and intensity must not result in exceeding the overall residential and/or commercial buildout of the planning area.~~

~~—Maximum Commercial Square Footage~~

~~The maximum commercial square footage allowed within the Southwest Village Specific Plan shall not exceed a total of 175,000 square feet within Planning Areas 24, 25, 26, or 27, as shown in **Table 2.1 – Development Summary**. The gross floor area for commercial uses shall not exceed the maximum permitted by the floor area ratio for the underlying zone.~~

## 7.97.11 — MINOR MODIFICATIONS

- ~~a) Minor modifications shall be consistent with the vision and intent of the Specific Plan.~~
- ~~b) The following modifications to the Southwest Village Specific Plan are considered minor and do not require a Specific Plan Amendment. Minor modifications are and are subject to review and approval by the Director of the Development Services Department Director or his/her designee.~~
- ~~1. Minor modifications listed herein may be processed through a Substantial Conformance Review (SCR) – Process Two consistent with Section 7.7 – Construction and Development Permits.~~

Although a formal amendment to the Specific Plan is not required in the following cases, any such minor modifications shall be identified as part of the required development application. Minor modifications to implementing VTMs or NDPs that would not require an amendment to this Specific Plan and shall be processed through a SCR – Process Two include the following:

- ~~c) Minor modifications shall be consistent with the vision and intent of the Specific Plan and may include, but are not limited to, the following:~~
  - ~~1) Decrease in overall Specific Plan density and intensity may be approved provided that the density and intensity for each planning area remains within the density range of the planning area's land use designation as applied by the Southwest Village Specific Plan.~~
  - ~~a) Adjustment in the size of planning areas may be approved if the adjustment will result in, provided that:~~
    - ~~2) The adjustment results from more accurate estimates of parcels that align with the planning area boundaries and sizes:~~
    - ~~3) The resulting the density and intensity of development for each planning area ~~remains remain~~ within the density range of the planning area's land use designation as applied by ~~this the~~ Specific Plan.~~
    - ~~4) Any Adjustment to open space acreage may be approved if shall demonstrate that the revised open space boundaries comply with the open space designations shown with the Southwest Village Specific Plan area by the Otay Mesa Community Plan Land Use Plan, unless a Specific Plan Amendment is processed pursuant to Section 7.10 and is subjected to review under CEQA.~~
    - ~~4) An Adjustments to the MHPA boundary may be approved provided that if the encroachment into the MHPA is in accordance with meeting the six MHPA boundary line adjustment functional criteria as set forth in Section 5.4.2 of the Regional MSCP Plan (August 1998). Adjustments to the Multi-Habitat Planning Area boundaries may be approved where the new Multi-Habitat Planning Area MHPA boundary would result in an area of equivalent or higher biological value. The determination of the biological value will be made by the City in accordance with Section 5.4.2 of the Regional Multiple Species Conservation Program MSCP Pplan, (August 1998); with the concurrence of the wildlife agencies. Any adjustment to the Multi-Habitat Planning Area MHPA boundary will be disclosed in the environmental~~

document prepared for the specific project and shall comply with the Environmentally Sensitive Lands Regulations.

- 5) ~~Consolidation of Planning Areas may be approved if the consolidation will result provided that:~~
  - i. ~~» Planning Areas are contiguous:~~
  - 5) ~~» The in contiguous Planning Areas that have the same land use designation, as shown in *Figure 2.1, Southwest Village Land Use Plan*, and the consolidated Planning Area will have the same development intensity allowance (e.g., number of residential dwelling units and/or commercial square footage) as the total of individual Planning Areas before they were combined.~~
  - 6) ~~The consolidated Planning Area shall have the same required infrastructure and accessible park and recreational amenities, meeting the recreational value-based standard in the Specific Plan.~~
    - a. ~~Alternative land use » Supporting infrastructure and accessible park and recreational amenities, meeting the recreational value-based standard set forth in this Specific Plan, are provided within the Planning Area.~~
    - 7) ~~Development of residential and recreational uses in lieu of in place of a school within Planning Area 16, subject to the supplemental development regulations in *Section 7.90*, with written consent from the San Ysidro School District and subject to approval by the Director of Development Services Department or his/her designee.~~
      - b. ~~Alternative land use Development development of residential in place of a school is assumed within Planning Area 7, subject to the supplemental development regulations in *Section 7.90*, unless a determination of need is made by SYSD at the time a project application is submitted.~~
      - c. ~~Changes to or deviations from design policies in this Specific Plan, such as paving treatments, architectural details, landscape treatments, fencing, lighting, and entry treatment that still align with the overall objectives of this Specific Plan as determined by the Director of Development Services Department or his/her~~

~~designee.~~

~~Final sizing and precise location of water, sewer, storm drainage, and other infrastructure improvements with concurrence of the City Engineer.~~

- 6)8) ~~Change in utility and/or infrastructure servicing agencies.~~
- 7)9) ~~Changes to Landscape, wall material, wall alignment, and streetscape design may be approved if the changes modifications that substantially conform to the intent of the design standards and policies in this Specific Plan; as determined by the Director of Development Services Department or his/her designee.~~
- 10) ~~Density/intensity transfers between planning areas, subject to the supplemental development regulations in *Section 7.98*, provided that~~
  - d) ~~Minor modifications to improvements and infrastructure, listed in *Section 7.13-1* within and outside of the Specific Plan area, may occur in an alternative phase if development occurs outside of its designated phase shown in *Table 7.2, Phasing Table*, per approval of the City Engineer. All changes to the final sizing and precise location of water, sewer, storm drainage, and other infrastructure improvements are subject to the approval of the City Engineer.~~
  - e) ~~Adjustments to the wildlife crossing dimensions to address engineering and site conditions will require an updated wildlife crossing study to the satisfaction of the City Engineer and Parks and Recreation Director.~~

~~7.10-~~

~~7.11-» The proposed number of dwelling units in the planning area receiving the density transfer does not exceed the maximum residential density specified by the planning area's land use designation.~~

~~7.12-» The total number of dwelling units for the entire Specific Plan (5,130 dwelling units) is not exceeded.» Following the density transfer, the residential density within the planning area where units would be transferred from does not fall below the minimum density range as specified for that planning area's land use designation; and~~

~~7.13-» The donating and receiving planning areas are also included in the application for the Neighborhood Development Permit.~~

~~7.14-» On and off-site improvements and infrastructure as described in Section 7.13.1, may occur in an alternative phase if development occurs outside of its designated phase per Table 7.2, Phasing Table per approval of the City Engineer.~~

~~7.15- Modifications of a similar nature to those listed above, which the Director of the Development Services Department or his/her designee deems minor, which are in keeping with the intent of the Specific Plan, and which are in conformance with the vision of the Southwest Village Specific Plan as described in the Otay Mesa Community Plan.~~

~~7.16- Any other proposed changes determined by the Director of the Development Services Department or his/her designee to comprise minor modifications.~~

~~7.17-~~

## ~~7.18~~ 7.12 — SPECIFIC PLAN AMENDMENTS

~~a) All substantive Specific Plan modifications that cannot be found in substantial conformance with the regulations and standards set forth in this Specific Plan and associated CEQA compliance, and do not meet the criteria of a Minor Modification as defined in [Section 7.119](#) shall require a formal Specific Plan Amendment.~~

~~a) This Specific Plan was prepared pursuant to City of San Diego Land Development Code Section 122.0107.~~

~~b) Specific Plan Amendments shall be processed pursuant to Process Five, as established in Division 5, Article 2, Chapter 11, requiring the review and approval of the City Council. The purpose of the monitoring period is to evaluate the success of the wildlife overcrossing and allow for adaptive management as needed to support its functionality.~~

~~— The applicant constructing Beyer Boulevard shall provide an endowment to fund the management and monitoring of the wildlife features for the 10-year period, in addition to ongoing funding in perpetuity to support regular maintenance and monitoring.~~

~~c) —~~

~~d) — AMENITY ENHANCEMENTS~~

~~e) Amenity enhancements will be included through the Specific Plan area in the form of recreation, social, park and trail amenities. Amenity enhancement typology and design may vary and will not require an amendment to this Specific Plan. Each amenity enhancement has an identified value category according to the scale and recreational/ social value it contributes to the mobility and recreational fabric of the community, per the adopted City Parks Master Plan. Development~~

~~f) projects will be held to a minimum number of recreational points established by City Parks Master Plan and General Plan Parks Standards in place at the time of development. Trail amenity enhancements as described in Section 5.8 shall be provided along the perimeter trail, paseos, and sidewalks along the Village Core every one-quarter mile.~~

~~g) —~~

~~h) — ALTERNATIVE LAND USES~~

~~As discussed in Section 2.9, Schools, the Specific Plan identifies a primary school site within Planning Area 16 and a secondary school site within PA-7 only if needed by the San Ysidro School District (SYSD). The School Overlay Zone on Planning Area 7 allows for the option of developing a school instead of Medium Density Residential, should the buildout of the land use plan warrant an additional school facility. If a school is no longer needed on PA-16, the planning area would default to a land use of Medium Density Residential. As further detailed in the following sections, if not developed as school sites, Planning Areas 7 and 16 may receive density/intensity transfers as long as total residential units remain under the 5,130 dwelling unit maximum, per **Section 7.9, Minor Modifications**.~~

The following sections establish regulations that shall be met if Medium Density Residential is intended for either of the school sites:

#### ~~7.18.1~~ \_\_\_\_\_ — Planning Area 7

~~Should Medium Density Residential be the intended use for PA-7, the following regulations shall apply:~~

- ~~a. The SYSD shall be notified and provided the option to acquire all or a portion of the site for the development of a school prior to submitting a residential building permit application to the City.~~
- ~~b. SYSD shall have up to 2 years following the issuance of the construction permits for the 921st dwelling unit or until 2035, whichever comes later for Planning Area 7, to make a determination on the need for the school site in PA-7. Documentation must be submitted by SYSD to the applicant and City by the 2-year deadline.~~

## ~~7.18.2~~ — Planning Area 16

~~Should Medium Density Residential be the intended use for Planning Area 16, the following regulations shall apply:~~

- ~~a. The SYSD shall be notified and provided the final option to acquire all or a portion of the site for the development of a school prior to submittal of a residential building permit application to the City for Planning Area 16.~~
- ~~b. SYSD shall have up to 2 years following the issuance of the construction permits for the 921st dwelling unit or until 2032, whichever comes later for Planning Area 16, to make a determination on the need for the school site in PA 16. Documentation must be submitted by SYSD to the applicant and City by the 2-year deadline.~~

## ~~7.19.13~~ — PHASING

- ~~a) Implementation of Southwest Village will require construction of new infrastructure and facilities, as well as improvements to existing infrastructure and facilities, as part of a proposed project implementation/development. Improvements will be necessary to the circulation network, drainage facilities, utilities (e.g., water, sewer, etc.), and other infrastructure. In addition, ~~this document~~ the Specific Plan includes provisions for streetscape enhancement, pedestrian elements, and overall design ~~policies/guidance~~. These improvements will be phased according to the associated planning area(s) being developed.~~
- ~~b) While the Table 7.2, Phasing Summary, provides the targeted land use assumptions in chronological order, it does not dictate the exact sequence in which development ~~projects~~ may occur. Flexibility in the sequence (phasing) of development in the Specific Plan area shall be allowed without constituting an amendment to ~~this~~ the Specific Plan, provided it can be demonstrated that all infrastructure improvements and public facilities required for the phase of development in question are in place or will be constructed as part of the implementing project/development.~~

The necessary infrastructure and public facilities required for each phase of development shall ~~both~~ be constructed as part of the implementing project/development, or may be necessary to construct upfront of an implementing

- ~~c) project prior to the construction of the development,~~ consistent with Table 7.2, Phasing Summary, below, and the Southwest Village Specific Plan Transportation Phasing Plan, included as Appendix E of this document.
- ~~d) The Southwest Village Environmental Impact Report (EIR) analyzed the comprehensive build-out of the Specific Plan area and identified an appropriate Mitigation, Monitoring, and Reporting Program. The Southwest Village Local Mobility Analysis (Appendix J-4 to the EIR) analyzes the roads associated with two phases of development for Vesting Tentative Map (VTM)-1 (the first 920 dwelling units).~~
- ~~a)e) The Southwest Village Transportation Phasing Plan will help ensure that the appropriate circulation system is provided as the project builds out over an extended ~~period of time/period~~.~~
- ~~f) Infrastructure improvements, including water, sewer, drainage, landscaping, and dry utilities, also will/also be phased in a logical progression to meet the development needs associated with each phase. Depending on when a development ~~project~~ applies for development permits, certain infrastructure shall be installed relevant to its location and scale, in addition to the timing. For example, the sewer lift pump station at the terminus of Street D would need to be installed at the time Planning Areas 15 through 22, as well as portions of Planning Areas 24 and 25, are constructed. Table 7.2, Phasing Summary, summarizes each of the phases of development. It is anticipated that the Southwest Village Specific Plan area will ~~develop~~ be developed in multiple phases over time ~~because of~~ due to the ~~many multiple~~ property owners hip. This Specific Plan does not require that phases occur in any special order. Phasing may occur in any order, and more than one phase may occur at one time, provided that the necessary infrastructure is in place or occurs concurrently as specified in each phase(s) of development. For example, Beyer Blvd ~~Boulevard~~ must/shall~~

be extended to the west ~~prior to the at-700th~~ dwelling units ~~or earlier~~ in Phase 1 ~~way~~. ~~Figure 7.31, Phasing~~, illustrates the implementation of ~~the~~ Specific Plan by Planning Area.

Development in Southwest Village shall be subject to the following standards:

## 7.14 — Development Impact Fees

- a) Pursuant to ~~San Diego Land Development Code~~SDMC Section 142.0640(f), development impact fees may be used for a Reimbursement Agreement for ~~the~~ development of eligible public works ~~infrastructure and facility projects identified in the Southwest Village Specific Plan~~.
  - b) Pursuant to ~~San Diego Land Development Code~~SDMC Section 142.0640(b)(9), development that designs and constructs an on-site park that satisfies the ~~d~~Development's population-based park requirements ~~and is constructed in accordance with Council Policy 600-33 and meets the Parks Master Plan standards can get a waiver for up to 90% of the Citywide Parks DIF. shall not be subject to the requirement to pay the Citywide Park development impact fee where the requirements set forth in Resolution R-313688 have been satisfied~~.
- ~~Onsite parks meeting population-based park requirements shall be designed and constructed in accordance with the City's Park Development Standard Terms and Conditions and the Consultant's Guide to Park Design and Development to the satisfaction of the Parks and Recreation Director.~~
  - ~~Conditions of approval of individual projects (i.e., Subdivision Map, Site Development Permit, Neighborhood Development Permit) shall include a final internal circulation plan and a final pedestrian and bicycle mobility plan. Individual projects must be substantially consistent with the Specific Plan Design Policies and demonstrate that both roadways and paseos align in linear fashion with paseos and roadways planned in adjacent planning areas.~~
  - ~~In the event an implementing development application is~~

~~filed with the Development Services Department for property internal to the Specific Plan and for which a full public street has not already been provided, temporary road access will be required to be constructed to minimum City standards from the property to the existing public street network, satisfactory to the City Engineer.~~

- ~~For applications involving only a portion of a Planning Area that has multiple underlying landowners, the number of units shall be above the minimum number required and below the maximum number allowed, as calculated per the minimum and maximum density for the applicable land use designation.~~

Table 7.2 – Phasing Summary

PHASE / TARGET LAND USE ASSUMPTIONS	ON-SITE IMPROVEMENTS	OFF-SITE IMPROVEMENTS
<b>Phase 1</b>		
<p>Planning Areas</p> <ul style="list-style-type: none"> <li>• 8, 9, 10, 11, 12, 13, 14</li> </ul> <p>1,315 Maximum Residential Units:</p> <ul style="list-style-type: none"> <li>• 282 Multifamily Residential (20-44 du/ac)</li> <li>• 490 Multifamily Residential (15-29 du/ac)</li> <li>• 543 Single Family Residential (8-22 du/ac)</li> </ul>	<p><u>Mobility Network. The following shall be constructed:</u></p> <ul style="list-style-type: none"> <li>• Beyer Boulevard West (from West Avenue to <del>the</del> western Specific Plan boundary) <del>would be required to</del> <u>shall</u> be constructed <del>at the 700th dwelling unit prior to the 700th dwelling unit or earlier</del> in Phase 1 <del>way</del>.</li> <li>• Beyer Boulevard East (from Caliente Avenue to West Avenue, northern half of the street)</li> <li>• Central Avenue (from Caliente Avenue to Beyer <del>Bld</del> <u>Boulevard</u>)</li> <li>• Street A (from western cul-de sac to West Avenue <u>ue</u>)</li> <li>• West Avenue (western half of the street from Beyer <del>Bld</del> <u>Boulevard</u> to Street B <u>and</u> full width south of Street B)</li> <li>• Beyer <u>Boulevard Bld</u> / Central Avenue Intersection (interim conditions per Southwest Village Specific Plan Transportation Phasing Plan (Appendix <del>FE</del>))</li> <li>• T-intersection at Caliente Avenue <u>ue</u> / Central Avenue <u>ue</u></li> <li>• Secondary Emergency Vehicle Access Road (<u>shall be</u> constructed at the 201st dwelling unit)</li> </ul> <p><u>Parks and Trails. The following shall be constructed:</u></p> <ul style="list-style-type: none"> <li>• Planning Area 8 Pocket Park: HH</li> <li>• Planning Area 9 Pocket Park: II</li> <li>• Planning Area 10 Pocket Parks: AA, BB, CC, and DD</li> <li>• Planning Area 10 Paseos</li> <li>• Planning Area 11 Pocket Parks: MM and OO</li> <li>• Planning Area 12 Pocket Parks: SS, XX</li> <li>• Planning Area 12 Paseos</li> <li>• Planning Area 13 Pocket Parks: PP, RR</li> <li>• Planning Area 13 Paseos</li> <li>• Planning Area 14 Pocket Parks: YY</li> <li>• Planning Area 14 Paseos</li> <li>• Multi-use Perimeter Trail and trail amenities (Specific Plan area entrance at Caliente Avenue to <u>the</u> eastern boundary of Planning Area 14)</li> <li>• Primitive Trails Type A that connect to <u>Planning Areas</u> 12 and 14 (including the closure of non-conforming trails adjacent to these trails)</li> </ul> <p><u>Other Infrastructure. The following shall be constructed:</u></p> <ul style="list-style-type: none"> <li>• Landscape infrastructure in Planning Areas 8 - 14</li> <li>• 16-inch water line backbone loop along Central Avenue, Beyer Boulevard between Central Avenue and West Avenue, and along West Avenue</li> <li>• 18-inch gravity sewer line along Beyer Boulevard and West Avenue. Eight-inch gravity sewer along Street A in Planning Areas 11-14</li> </ul>	<p><u>Mobility Network. The following shall be constructed:</u></p> <ul style="list-style-type: none"> <li>• Beyer Boulevard <del>from from the project Specific Plan boundary to current terminus in San Ysidro at</del> Enright Drive <del>will shall</del> be <del>required to be</del> constructed <del>at the 700th dwelling unit prior to the 700th dwelling unit or earlier</del> in Phase 1</li> <li>• Intersection of Caliente Avenue at SR- 905 <del>WB westbound</del> ramp: re-stripe the northbound single left turn lane into a dual left turn lane, upgrade <u>the</u> traffic controller, and construct <u>a</u> second receiving lane to the westbound on-ramp</li> <li>• Intersection of Caliente Avenue at SR- 905 <u>eastbound EB</u> ramp: upgrade traffic controller</li> <li>• Intersection of Caliente Avenue <u>ue</u> / Ocean View Hills / Otay Mesa <u>Road</u>: upgrade traffic controller</li> <li>• Intersection of Caliente Avenue <u>ue</u> / Airway <u>Road</u>: upgrade traffic controller</li> <li>• Caliente Avenue <u>ue</u> from the existing southern terminus to Central Avenue <u>ue</u></li> <li>• Secondary Emergency Vehicle Access Road, from <u>the Specific Plan project</u> boundary to Rail Court to the southwest, will be required to be constructed at the 201st dwelling unit</li> </ul> <p><u>Park and Trails. The following shall be constructed:</u></p> <ul style="list-style-type: none"> <li>• Primitive Trails Type A</li> </ul>

PHASE / TARGET LAND USE ASSUMPTIONS	ON-SITE IMPROVEMENTS	OFF-SITE IMPROVEMENTS
<b>Phase 2</b>		
<p>Planning Areas</p> <ul style="list-style-type: none"> <li>• 15, 16, 17, 18, 19, 20</li> </ul> <p>988 Residential Units:</p> <ul style="list-style-type: none"> <li>• 237 Multifamily Residential (15-29 du/ac)</li> <li>• 136<sup>1</sup> Contingency Multifamily Residential in <u>Planning Area 16</u> (15-29 du/ac)</li> <li>• 615 Single Family Residential (8-22 du/ac)</li> </ul>	<p><u>Mobility Network. The following shall be constructed:</u></p> <ul style="list-style-type: none"> <li>• Caliente Avenue from Central Avenue to Beyer Boulevard</li> <li>• Caliente Avenue / Beyer Boulevard Intersection</li> <li>• <del>S-South</del>-Caliente Avenue (full-width north of Beyer Boulevard <del>and</del> south of Street B)</li> <li>• <del>South S-</del>Caliente Avenue (eastern half of the street from Beyer Boulevard to Street B)</li> <li>• Street B (full-width east of <del>South-</del> Caliente Avenue)</li> <li>• Street B (southern half of the street from West Avenue to <del>South-</del> Caliente Avenue)</li> <li>• Street C (all segments)</li> <li>• Street D (all segments)</li> <li>• East Avenue (all segments)</li> </ul> <p><u>Parks and Trails. The following shall be constructed:</u></p> <ul style="list-style-type: none"> <li>• Neighborhood Park in Planning Area 17</li> <li>• Paseo along Street C (from West Avenue to East Avenue)</li> <li>• <u>Paseo between Planning Area 19 and 20</u></li> <li>• Multi-use Perimeter Trail (Terminus of Phase 1 to northern boundary of Planning Area 19)</li> <li>• <u>Public multi-use Perimeter Trail in Planning Areas 15, 18, and 19</u></li> <li>• <u>Public mini/pocket parks in Planning Areas 19 and 20</u></li> <li>• <u>Perimeter Trail in Planning Area 20</u></li> <li>• Primitive Trails Type A that connect to <u>Planning Areas PA 15 and 18</u> (including the closure of non-conforming trails adjacent to these trails)</li> </ul> <p><u>Other Infrastructure. The following shall be constructed:</u></p> <ul style="list-style-type: none"> <li>• Landscape infrastructure in Planning Areas 15 - 20</li> <li>• Southwest Village Elementary School (1) (Planning Area 16)</li> <li>• Sewer <del>Lift Pump</del> Station east of Street D</li> </ul>	<p><u>Other Infrastructure. The following shall be constructed:</u></p> <ul style="list-style-type: none"> <li>• <del>A</del> 16-inch water line in Otay Mesa Road and Beyer Boulevard between Enright Drive and Princess Park Pump Station.</li> <li>• <del>A conditional assessment report to determine the required upgrades improvements at existing the Princess Park Pump Station to become operational provide a redundant water supply.</del></li> <li>• <del>Upsize the existing 12-inch<sup>2</sup> gravity sewer to 27 inches<sup>2</sup> in East-</del> Beyer Boulevard between Beyer Boulevard and <del>trolley track</del><u>the rail right-of-way.</u></li> <li>• Upsize <del>the existing 18-inch<sup>2</sup> gravity sewer to 33 inches<sup>2</sup> in East-</del> Beyer Boulevard and Center Street between Hill Street and <del>East-</del> San Ysidro Boulevard.</li> </ul>

1. ~~In the unlikely event~~ If the SYSD determines that a school is no longer needed on Planning Area 16, the site will default to Medium Density Residential use. Although the contingency for Planning Area 16 would result in approximately 136 additional dwelling units, the maximum dwelling unit cap of 5,130 units would still apply.

PHASE / TARGET LAND USE ASSUMPTIONS	ON-SITE IMPROVEMENTS	OFF-SITE IMPROVEMENTS
<b>Phase 3</b>		
<p>Planning Areas • 4, 5</p> <p>819 Multifamily Residential (15-29 du/ac) units</p>	<p><u>Mobility Network. The following shall be constructed:</u></p> <ul style="list-style-type: none"> <li>• 1st Avenue</li> <li>• Spine Road</li> <li>• Central Avenue (Caliente Avenue to 1st Avenue)</li> </ul> <p><u>Parks and Trails. The following shall be constructed:</u></p> <ul style="list-style-type: none"> <li>• Public mini/pocket parks in Planning Area 5</li> <li>• Public multi-use Pathway (internal to <u>Planning Area 5</u>)</li> <li>• Public multi-use Perimeter Trail (Planning Area 5)</li> <li>• Paseo</li> </ul> <p><u>Other Infrastructure. The following shall be constructed:</u></p> <ul style="list-style-type: none"> <li>• Landscape infrastructure in Planning Areas 4 and 5</li> <li>• 12-inch sewer force main along Spine Road</li> <li>• 10-inch gravity sewer line along Caliente Avenue from <u>the</u> terminus to Beyer Boulevard</li> <li>• Sewer Lift Station</li> </ul>	
<b>Phase 4</b>		
<p>Planning Areas: 1, 2, 3, 6, 7</p> <p><del>424</del> <u>384</u> Multifamily Residential (15-29 du/ac) units</p>	<p><u>Parks and Trails. The following shall be constructed:</u></p> <ul style="list-style-type: none"> <li>• Public multi-use Perimeter Trail in Planning Area <del>6</del> <u>and 7</u></li> <li>• Public neighborhood park in Planning Area <del>2</del> <u>and 3</u></li> </ul> <p><u>Other Infrastructure. The following shall be constructed:</u></p> <ul style="list-style-type: none"> <li>• Landscape infrastructure in Planning Areas 1, 2, 3, 6, and 7</li> <li>• [Water/sewer improvements <u>to be determined</u> <del>FBD</del>]</li> </ul>	<p><u>Mobility Network. The following shall be constructed:</u></p> <ul style="list-style-type: none"> <li>• Improve Beyer <del>Blvd</del> <u>Boulevard</u> between <del>East-</del> Beyer <del>Blvd</del> <u>Boulevard</u> and Enright Drive to a Modified 4-Lane Urban Collector with buffered Class II bike lanes prior to the <del>3,301<sup>st</sup></del> <u>3,298<sup>th</sup></u> dwelling unit.</li> </ul> <p><u>Parks and Trails. The following shall be constructed:</u></p> <ul style="list-style-type: none"> <li>• Eastern Quadrant Trails – Segment <del>number</del> <u>(s) to be determined</u></li> </ul> <p><u>Other Infrastructure. The following shall be constructed:</u></p> <ul style="list-style-type: none"> <li>• Upsize existing 10-<u>inch</u><sup>2</sup> gravity sewer to 15 <u>inches</u><sup>2</sup> in Beyer Boulevard between Enright Drive and <del>East-</del> Beyer Boulevard.</li> </ul>

PHASE / TARGET LAND USE ASSUMPTIONS	ON-SITE IMPROVEMENTS	OFF-SITE IMPROVEMENTS
<b>Phase 5</b>		
Planning Areas: 21  266-306 Multifamily Residential (8-22 du/ac) units	<u>Parks and Trails. The following shall be constructed:</u> <ul style="list-style-type: none"> <li>• Paseo (bike/pedestrian connection- <del>South-</del> Caliente Avenue to East Avenue)</li> <li>• Public mini/pocket parks in Planning Area 21</li> </ul> <u>Other Infrastructure. The following shall be constructed:</u> <ul style="list-style-type: none"> <li>• Landscape infrastructure in Planning Area 21</li> <li>• [Water/sewer improvements <u>to be determined</u><del>FBD</del>]</li> </ul>	
<b>Phase 6</b>		
Planning Areas: 22  267 Multifamily Residential (15-29 du/ac) units	<u>Mobility Network. The following shall be constructed:</u> <ul style="list-style-type: none"> <li>• Emergency Vehicle Access Road from <del>South-</del> Caliente Avenue to East Avenue</li> </ul> <u>Parks and Trails. The following shall be constructed:</u> <ul style="list-style-type: none"> <li>• Public pocket park(s) in Planning Area 22</li> </ul> <u>Other Infrastructure. The following shall be constructed:</u> <ul style="list-style-type: none"> <li>• Landscape infrastructure in Planning Area 22</li> <li>• [Water/sewer improvements <u>to be determined</u><del>FBD</del>]</li> </ul>	
<b>Phase 7</b>		
Planning Areas: 24, 25, 26, 27 1,187 Multifamily Residential (30-62 du/ac) units 175,000 square feet <u>of commercial uses</u>	<u>Mobility Network. The following shall be constructed:</u> <ul style="list-style-type: none"> <li>• Central Ave from Beyer Boulevard <del>East</del> to Street B</li> <li>• Street A from West Avenue to <del>South-</del> Caliente Avenue</li> <li>• Beyer Boulevard (southern half of the street from West Avenue to <del>South-</del> Caliente Avenue)</li> <li>• West Avenue (eastern half of the street from Beyer Boulevard to Street B)</li> <li>• Street B (northern half of the street)</li> <li>• <del>South-</del> Caliente Avenue (western half of the street from Beyer Boulevard <del>East</del> to Street B)</li> </ul> <u>Parks and Trails. The following shall be constructed:</u> <ul style="list-style-type: none"> <li>• Pocket parks and urban plazas in the Village Core (Planning Areas 24 - 27)</li> </ul> <u>Other Infrastructure. The following shall be constructed:</u> <ul style="list-style-type: none"> <li>• Landscape infrastructure in Planning Areas 24 - 27</li> <li>• Mobility hub with public transit stop</li> </ul>	<u>Other Infrastructure. The following shall be constructed:</u> <ul style="list-style-type: none"> <li>• Upsize <del>the</del> existing 15-inch<sup>2</sup> gravity sewer to 27 inches<sup>2</sup> in <del>East-</del> Beyer Boulevard between <del>the trolley tracks</del> <u>rail right-of-way</u> and Hill Street.</li> <li>• Perform efficiency testing at Ocean View Hills Pump Station.</li> </ul>
<b>Total</b> Dwelling Units: 5,130 Commercial Square Footage: 175,000		

Table 7.3 – Specific Plan Implementation Tracking Table

Figure 7.3— Phasing

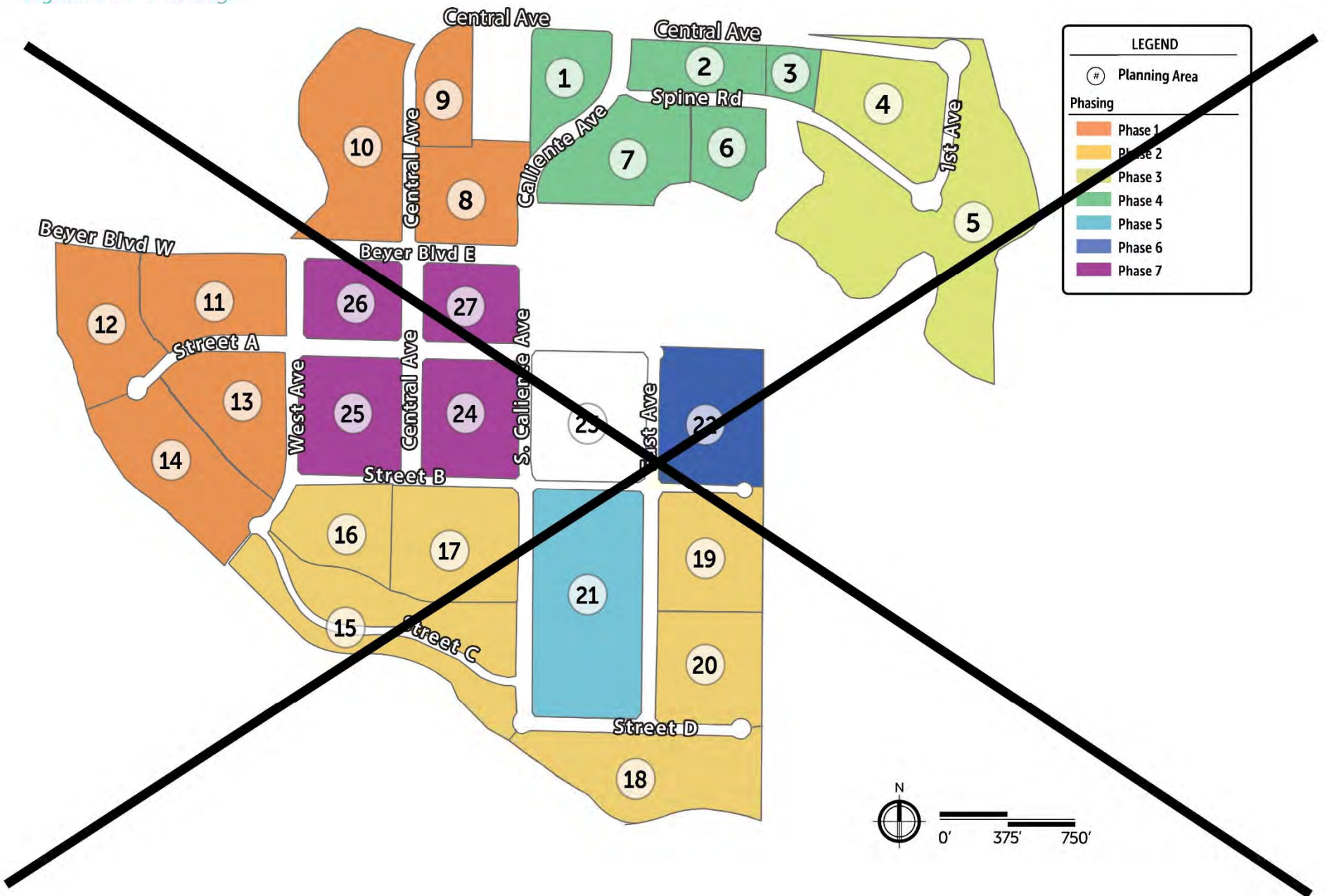


Figure 7.1 – Phasing

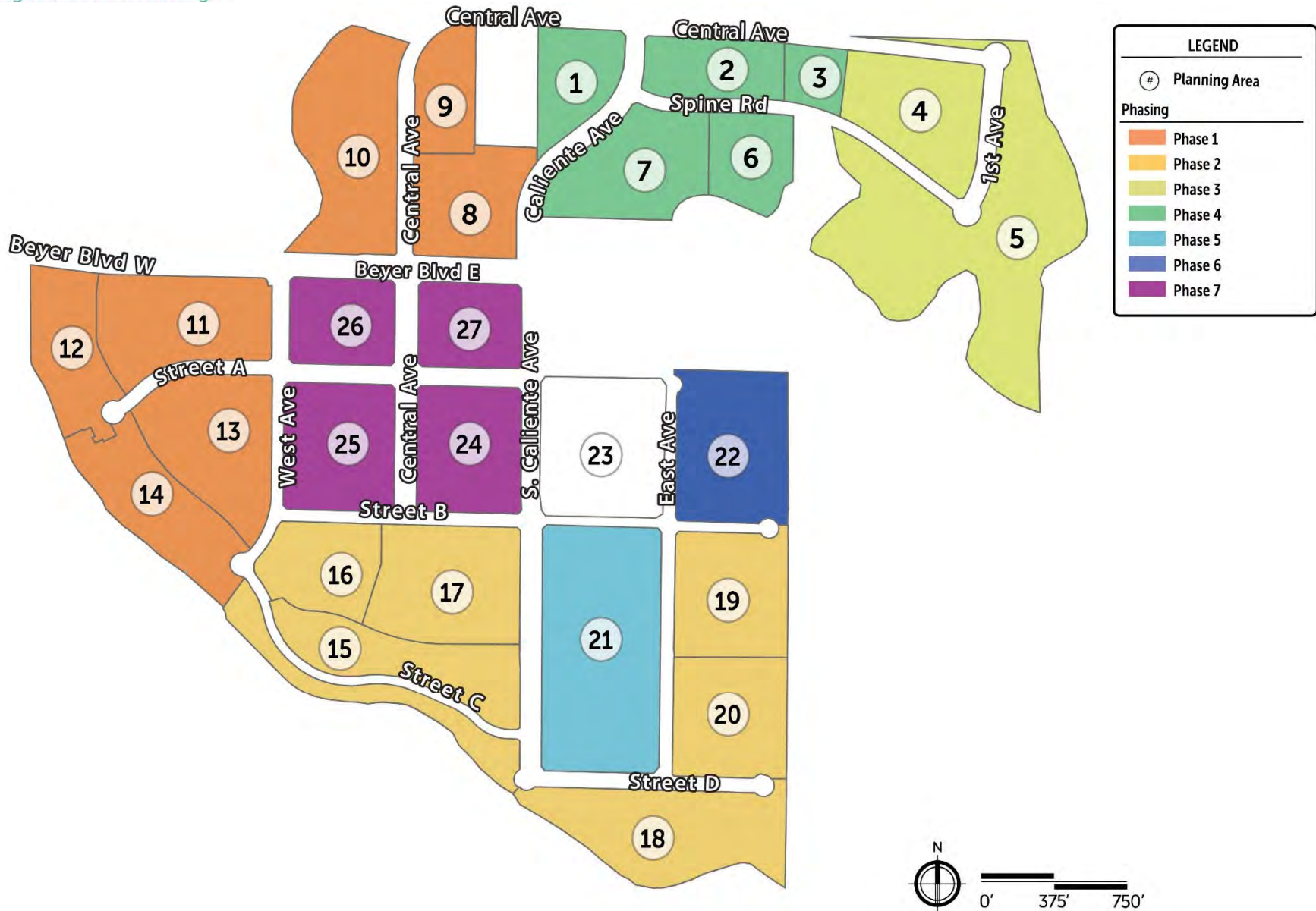
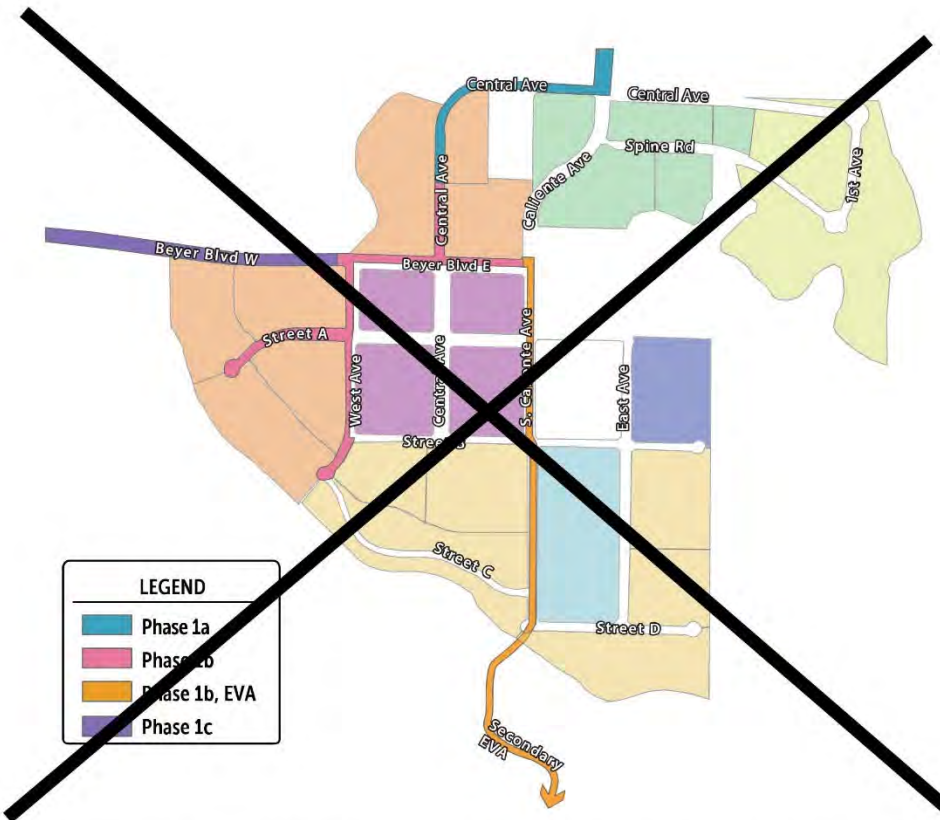


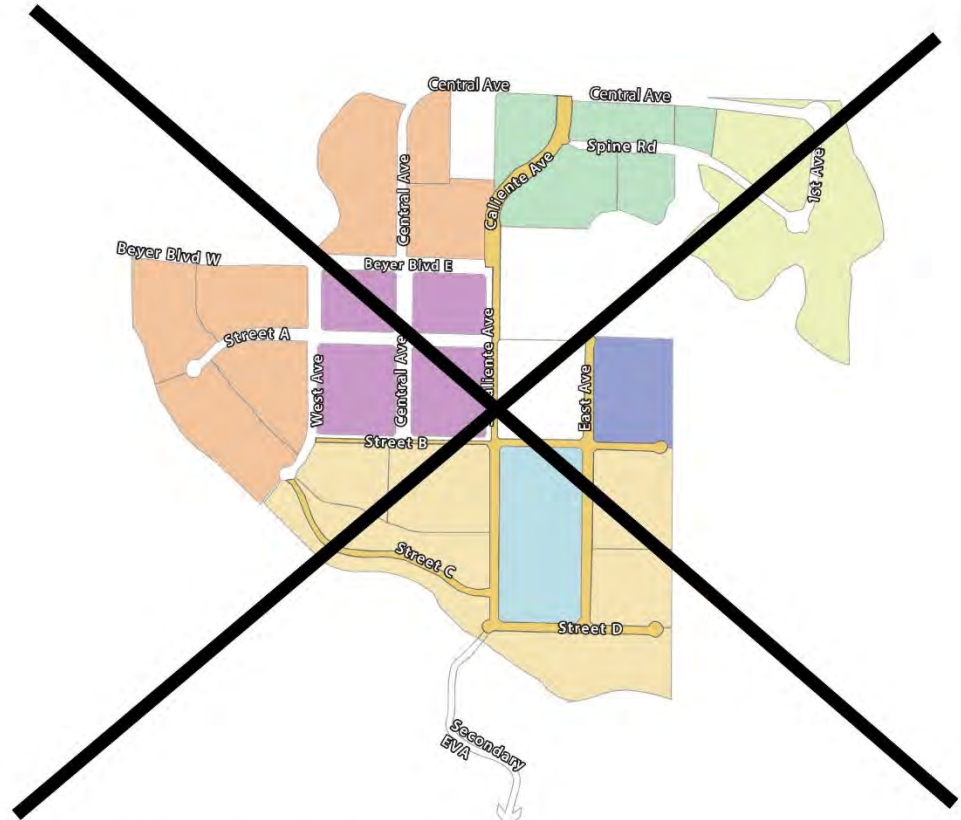
Figure 7.4— Phase 1 Roadways



Note: Phase 1b, Secondary Emergency Vehicle Access Road at the eastern terminus of E. Beyer Blvd and the future S-Caliente Ave intersection, extending south to Rail Court, as shown, will be implemented at the 201st dwelling unit.

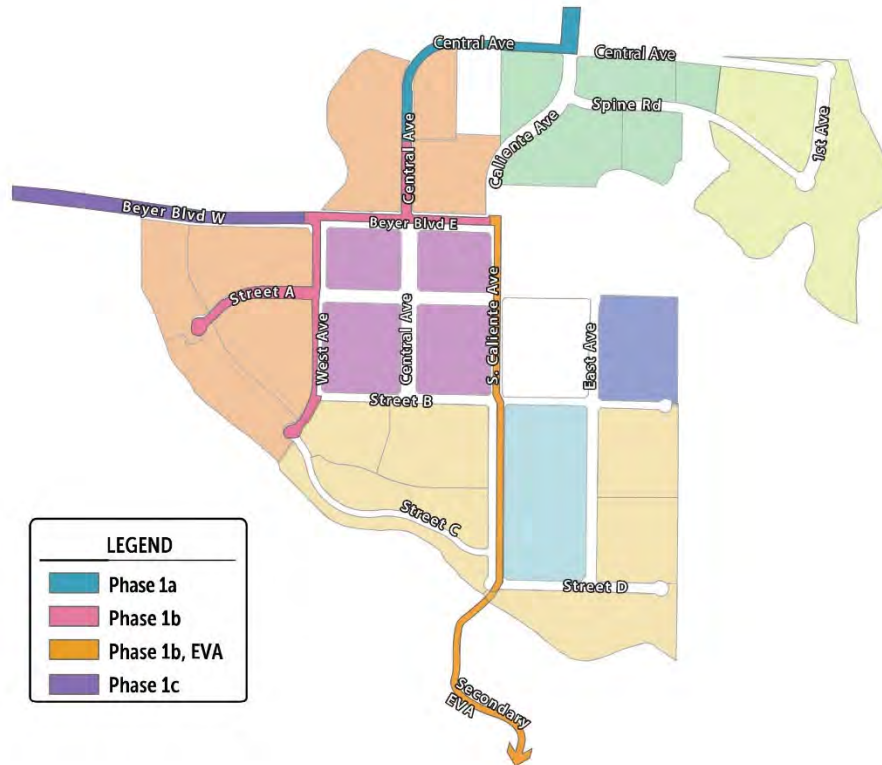
Note: Phase 1c, Beyer Blvd W. will be implemented at the 700th dwelling unit or earlier in Phase 1.

Figure 7.5— Phase 2 Roadways



Note: Secondary EVA Road extends south to Rail Court.

Figure 7.2 – Phase 1 Roadways



Note: Phase 1b, Secondary Emergency Vehicle Access Road at the eastern terminus of East Beyer Boulevard and the future South Caliente Avenue intersection, extending south to Rail Court, as shown, will be implemented at the 201st dwelling unit. Refer to Section 7.9, Supplemental Development Regulations

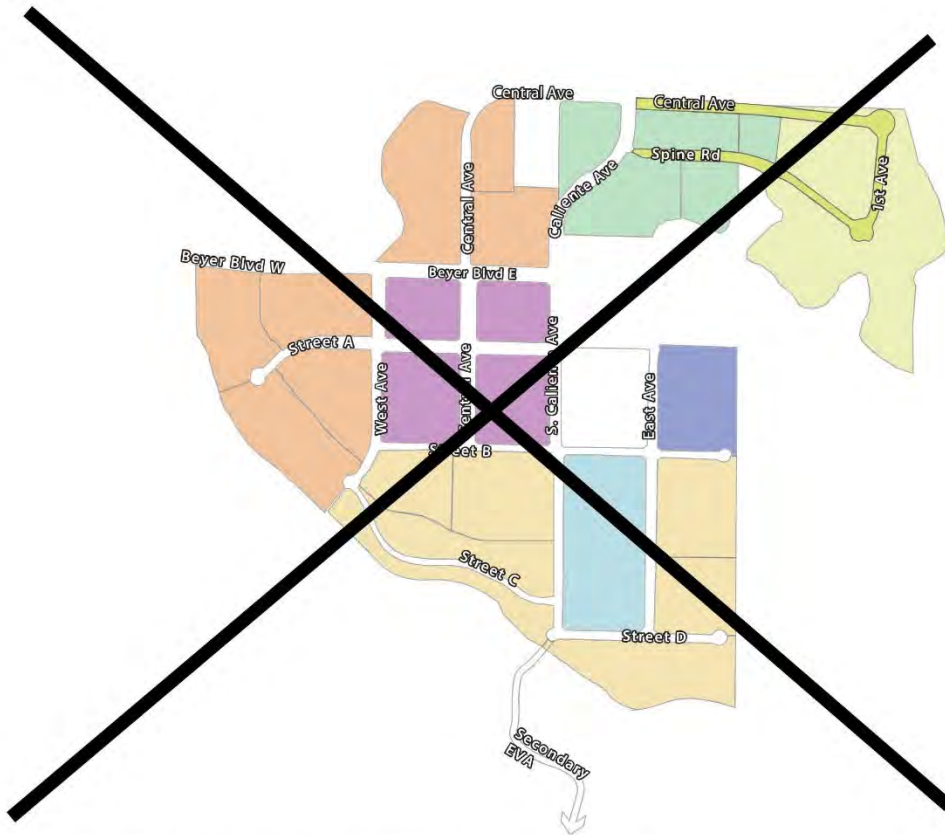
Note: Phase 1c, Beyer Boulevard West, will be implemented prior to the 700th dwelling unit in Phase 1.

Figure 7.3 – Phase 2 Roadways



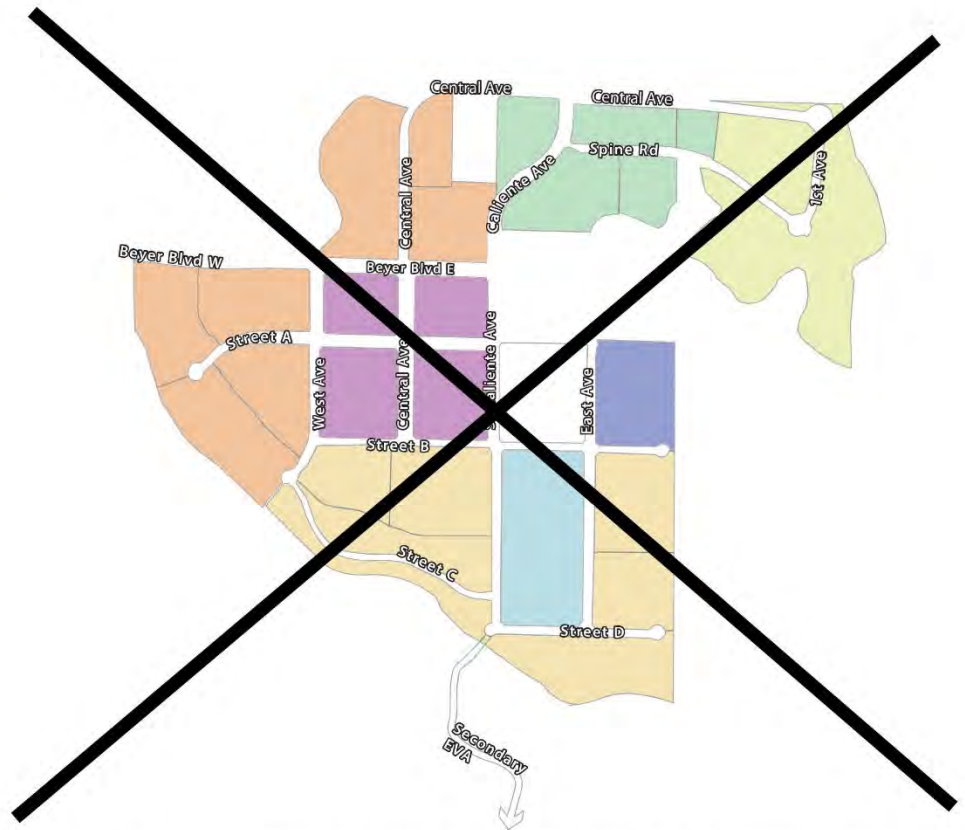
Note: Secondary Emergency Vehicle Access Road will extend south to Rail Court.

Figure 7.6— Phase 3 Roadways



Note: ~~Secondary EVA Road extends south to Rail Court.~~

Figure 7.7— Phase 4 Roadways



Note: ~~Off-site improvements to occur to widen Bayer Blvd between E- Bayer Blvd/Otay Mesa Rd to Enright Dr.~~

Note: ~~Secondary EVA Road extends south to Rail Court.~~

Figure 7.4 – Phase 3 Roadways



Note: Secondary Emergency Vehicle Access Road will extend south to Rail Court.

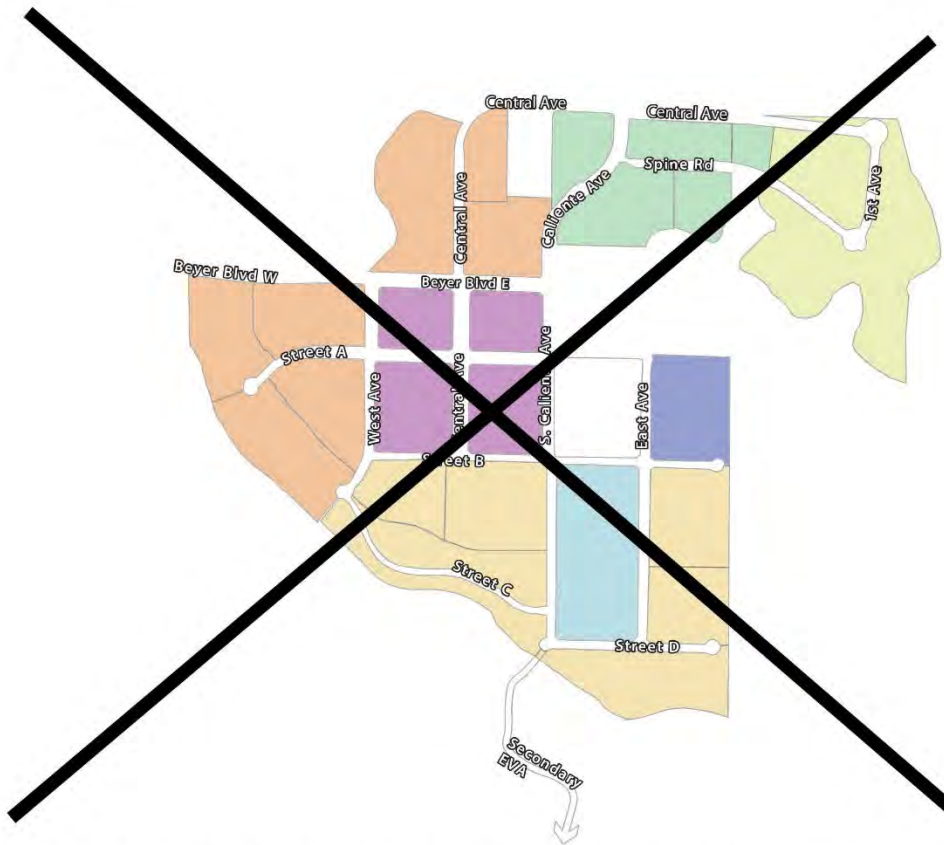
Figure 7.5 – Phase 4 Roadways



Note: Off-site improvements will widen Beyer Boulevard between East Beyer Boulevard / Otay Mesa Road to Enright Drive prior to the 3,298th dwelling unit.

Note: Secondary Emergency Vehicle Access Road will extend south to Rail Court.

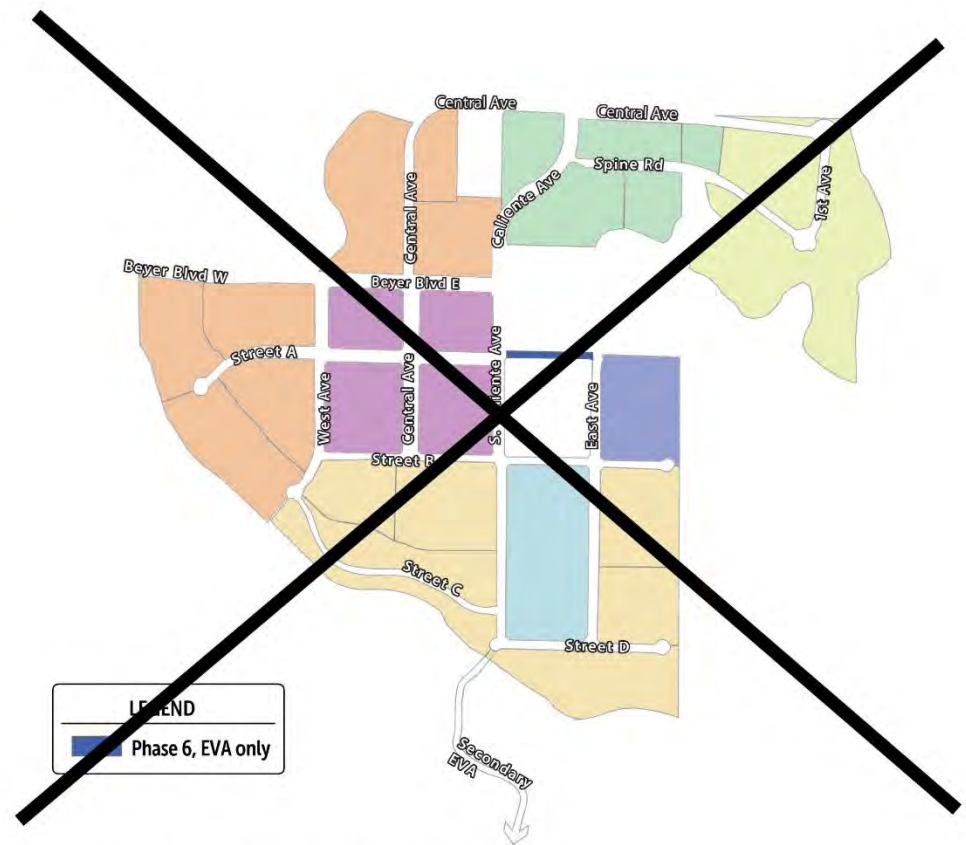
Figure 7.8— Phase 5 Roadways



Note: No additional roadways are expected to be required in this phase.

Note: Secondary EVA Road extends south to Rail Court.

Figure 7.9— Phase 6 Roadways



Note: Secondary EVA Road extends south to Rail Court.

Figure 7.6 – Phase 5 Roadways



Note: No additional streets are expected to be required in this phase.

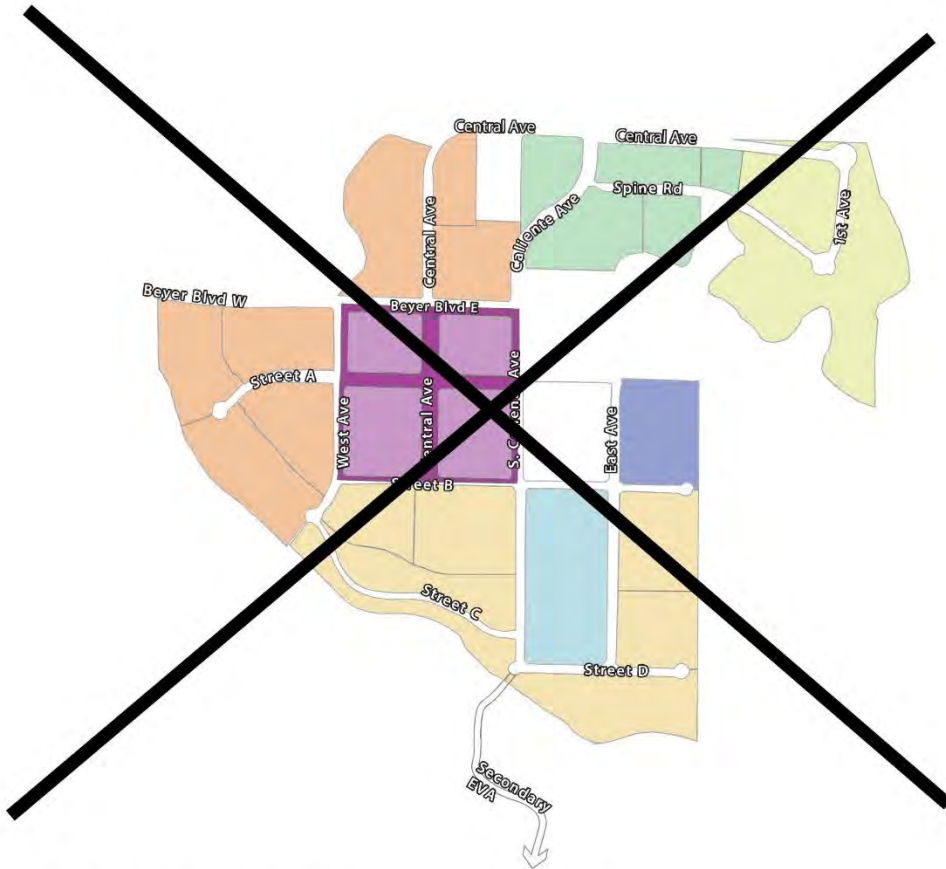
Note: Secondary Emergency Vehicle Access Road will extend south to Rail Court.

Figure 7.7 – Phase 6 Roadways



Note: Secondary Emergency Vehicle Access Road will extend south to Rail Court..

Figure 7.10 — Phase 7 Roadways



Note: Secondary EVA Road extends south to Rail Court.

Figure 7.8 – Phase 7 Roadways



Note: Secondary Emergency Vehicle Access Road will extend south to Rail Court.

Table 7.34 – Trip Generation by Phase

PHASE & LAND USE	RESIDENTIAL DAILY	NON-RESIDENTIAL	DAILY	AM PEAK HOUR TRIPS			PM PEAK HOUR TRIPS			
	TRIP RATES	DAILY TRIP RATES	TRIPS	IN	OUT	TOTAL	IN	OUT	TOTAL	
1	City SD Trip Rates: Single Family	10 /DU 543 DU		5,430	20% 87	80% 347	8% 434	70% 380	30% 163	10% 543
	City SD Trip Rates: Multi-Family < 20 du/ac	8 /DU 490 DU		3,920	20% 63	80% 251	8% 314	70% 274	30% 118	10% 392
	City SD Trip Rates: Multi-Family > 20 du/ac	6 /DU 282 DU		1,692	20% 27	80% 108	8% 135	70% 106	30% 46	9% 152
	Phase 1 Totals	1,315 DU		11,042	177	706	883	761	326	1,087
2	City SD Trip Rates: Single Family	10 /DU 615 DU		6,150	20% 98	80% 394	8% 492	70% 431	30% 185	10% 615
	City SD Trip Rates: Multi-Family < 20 du/ac	8 /DU 237 DU		1,896	20% 30	80% 122	8% 152	70% 133	30% 57	10% 190
	City SD Trip Rates: Elementary School (1)		2.9 /Student 600 Students	1,740	60% <del>324</del> 3	40% 216	31% <del>539</del> 40	40% 132	60% <del>199</del> 98	19% <del>330</del> 331
	City SD Trip Rates: Developed Park		50 /Acre <del>17.6</del> 10.5 Acres	525	50% <del>11</del> 18	50% <del>11</del> 18	4% <del>2</del> 136	50% <del>3</del> 521	50% <del>3</del> 521	8% <del>7</del> 042
	Phase 2 Totals	852 DU		10,311	<del>47</del> 1463	<del>72</del> 749	<del>1,220</del> 1,204	<del>73</del> 717	<del>47</del> 5461	<del>1,205</del> 1,178
3	City SD Trip Rates: Multi-Family < 20 du/ac	8 /DU 819 DU		6,552	20% 105	80% 419	8% 524	70% 459	30% 197	10% 655
4	City SD Trip Rates: Developed Park		50 /Acre <del>7.1</del> 7.6 Acres	<del>355</del> 380	50% <del>67</del> 67	50% <del>67</del> 67	4% <del>14</del> 14	50% <del>14</del> 15	50% <del>14</del> 15	8% <del>28</del> 30
	City SD Trip Rates: Elementary School (2)		2.9 /Student 668 Students	1,937	60% 361	40% 240	31% 601	40% 147	60% 221	19% 368
	City SD Trip Rates: Multi-Family < 20 du/ac	8 /DU <del>424</del> 384 DU		<del>3,392</del> 3,072	20% <del>495</del> 495	80% <del>217</del> 197	8% <del>27</del> 246	70% <del>237</del> 215	30% <del>102</del> 92	10% <del>339</del> 307
	Phase 4 Totals	<del>424</del> 384 DU		<del>5,684</del> 5,389	<del>422</del> 416	<del>464</del> 443	<del>886</del> 861	<del>399</del> 377	<del>337</del> 328	<del>735</del> 705
5	City SD Trip Rates: Multi-Family < 20 du/ac	8 /DU <del>266</del> 306 DU		<del>2,128</del> 2,448	20% <del>393</del> 34	80% <del>136</del> 157	8% <del>170</del> 196	70% <del>149</del> 172	30% <del>64</del> 74	10% <del>213</del> 245
6	City SD Trip Rates: Multi-Family < 20 du/ac	8 /DU <del>267</del> 306 DU		2,136	20% 34	80% 137	8% 171	70% 150	30% 64	10% 214
7	City SD Trip Rates: Multi-Family > 20 du/ac	6 /DU 1,187 DU		7,122	20% 114	80% 456	8% 570	70% 449	30% 192	9% 641
	City SD Trip Rates: Community Shopping Cnt		70 /KSF 175 KSF	12,250	60% 221	40% 147	3% 368	50% 613	50% 613	10% 1,226
	Phase 7 Totals	1,187 DU		19,372	335	603	938	1,062	805	1,867
Overall Target Density/Intensity	5,130 DU	175 KSF 1 School (1) Comm. & 1 Park	<del>57,225</del> 57,250	1,569	3,208	4,777	<del>3,695</del> 3,696	<del>2,253</del> 2,254	<del>5,948</del> 5,950	
Total Remaining	5,130 DU	175 KSF 1 School (1) Comm. & 1 Park	<del>57,225</del> 57,250	1,569	3,208	4,777	<del>3,695</del> 3,696	<del>2,253</del> 2,254	<del>5,948</del> 5,950	

Source: City of San Diego Trip Generation Manual, May 2003. DU: Dwelling Unit, KSF=1,000s.f. (1) In the unlikely event a school is not needed on PA 16, the planning area will default to Medium Density Residential use. Although the contingency for Planning Area 16 would result in approximately 136 additional dwelling units, the maximum dwelling unit cap of 5,130 units would still apply. Comm. = Commercial

## 7207.15 – MAINTENANCE

*Table 7.4, Maintenance Responsibilities*, summarizes the anticipated long-term maintenance responsibilities for facilities within the Southwest Village Specific Plan area. ~~Facilities listed in *Table 7.4, Maintenance Responsibilities*, that are outside the Specific Plan area will be the responsibility of the jurisdiction.~~

Table 7.5-4 - Maintenance Responsibilities

FACILITY	RESPONSIBILITY
Public Common Open Space (Including Common Area Slopes)	Master Maintenance Association
Common Area Slopes (Including Common Area Slopes)	Master Maintenance Association
Private Common Open Space	Master Maintenance Association
Public Roadways	City of San Diego
Standard Public Road Improvements	City of San Diego
Landscape Elements of Public Roadways	Master Maintenance Association / Maintenance Assessment District
Private Drives	Master Maintenance Association
School Site	San Ysidro School District or other school operator
City-Owned Parks and Trails	City of San Diego
Privately-Owned Parks and Trails	Master Maintenance Association
Pedestrian Paseos (outside the Public <del>ROW</del> Right-of-Way)	Master Maintenance Association
Natural Open Space	Master Maintenance Association
Community Monuments and Hardscaping (outside <del>the Public Right-of-Way</del> ROW)	Master Maintenance Association
Brush Management Zones	Master Maintenance Association / private property owner
Potable Water Facilities	City of San Diego
Wastewater Treatment and Conveyance Facilities	City of San Diego
Storm Drain Facilities (within the Public <del>Right-of-Way</del> ROW)	City of San Diego
Storm Drain Facilities (within private streets)	Master Maintenance Association
Detention / Water Quality Basins	Master Maintenance Association
Pedestrian-Scale Lighting (within the Public <del>Right-of-Way</del> ROW)	Master Maintenance Association
Lighting (in common areas outside the <del>Public Right-of-Way</del> ROW)	Master Maintenance Association
Wayfinding Signage	Master Maintenance Association

## ~~7217.16~~ 7217.16 - AIRPORT INFLUENCE AREA

Property within the Specific Plan area is located in the vicinity of an airport, within what is known as an Airport Influence Area (AIA). For that reason, properties within the Specific Plan area may be subject to some of the annoyances or inconveniences associated with proximity to airport operations, which can include noise, vibration, or odors. A formal overflight disclosure statement will be recorded in each property's chain of title to inform current and prospective property owners about the potential airport-related effects.

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# APPENDICES

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A

*LANDSCAPE PLANT*

PALETTE

Table A.1 — Neighborhood Plant Palette

**TREES (24" box min.) such as:**

BOTANICAL NAME	COMMON NAME	MATURE HEIGHT / SPREAD	WUCOLS	COMMENT
<i>Albizia julibrissin</i> <sup>1</sup>	Mimosa	30x40	L	Canopy
<i>Cinnamomum camphora</i>	Camphor Tree	20x20	M	
<i>Lagerstroemia indica</i>	Crape Myrtle	25x12	M	Upright/Deciduous
<i>Geijera parviflora</i>	Australian Willow	20x15	L	Upright/Evergreen
<i>Tipuana tipu</i>	Tipu Tree	25x25	L	Canopy
<i>Quercus agrifolia</i>	Coast Live Oak	25x20	L	
<i>Podocarpus gracilior</i>	Yew Pine	20x15	M	Upright/Evergreen
<i>Parkinsonia aculeata</i> <sup>1</sup>	Palo Verde	20x20	L	Upright/Deciduous
<i>Pistacia chinensis</i> <sup>1</sup>	Chinese Pistache	40x40	M	Broadhead

**SHRUBS (60% 5 gal./ 40% 5 gal.) such as:**

BOTANICAL NAME	COMMON NAME	MATURE HEIGHT / SPREAD	WUCOLS	COMMENT
<i>Agave attenuata</i>	Foxtail Agave	3x3	L	Flowering Accent
<i>Anigozanthos flavidus</i>	Kangaroo Paw	2x3	M	Midstory/Evergreen
<i>Dasyliirion wheeleri</i>	Desert Spoon	3x3	L	
<i>Cistus</i> spp. <sup>1</sup>	Rockrose	4x4	L	Flowering Accent
<i>Dietes bicolor</i>	Fortnight Lily	3x3	L	Flowering Accent
<i>Hesperaloe parviflora</i>	Red Yucca	3x3	L	Midstory/Evergreen
<i>Russelia equisetiformis</i>	Firecracker Bush	4x4	L	Midstory/Evergreen
<i>Aloe barbadensis</i>	Aloe Vera	3x3	L	Flowering Accent
<i>Salvia leucantha</i> 'Midnight'	Mexican Bush Sage	3x3	L	Flowering Accent
<i>Rhus ovata</i>	Sugar Bush	6x6	VL	Large Background

Table A.1 — Neighborhood Plant Palette (Continued)

**GROUNDCOVER (pots @ 12” o.c.) such as:**

BOTANICAL NAME	COMMON NAME	MATURE HEIGHT / SPREAD	WUCOLS	COMMENT
Carex pansa	California Meadow Sage	1x1	M	Parkways
Senecio mandraliscae	Blue Chalk sticks	1x3	L	Parkways

1. This plant species shall be planted at least 200 feet away from Non-Developable Open Space and MHPA areas identified on Figure 5.22 of this Specific Plan.

Table A.2 — Streetscapes and Entries Plant Palette

**TREES (24” box min.) such as:**

BOTANICAL NAME	COMMON NAME	MATURE HEIGHT / SPREAD	WUCOLS	COMMENT
Lophostemon confertus	Brisbane Box	35 x 35	M	Upright/Evergreen
Jacaranda mimosifolia	Jacaranda	25 x 30	M	
Magnolia grandiflora	Southern Magnolia	60x40	M	
Cercidium ‘Desert Museum’	Desert Museum Palo Verde	20x20	L	Upright/Deciduous
Platanus racemosa	California Sycamore	60x50	M	Upright/Deciduous
Quercus agrifolia	Coast Live Oak	50x45	VL	Broadhead
Rhus lancea <sup>1</sup>	African Sumac	25x25	L	Multi-trunked

**PALMS (only to be used as special markers of entries and not to be located within 100 feet of homes)**

BOTANICAL NAME	COMMON NAME	MATURE HEIGHT / SPREAD	WUCOLS	COMMENT
Chamaerops humilis	Mediterranean Fan Palm	20 x 20	M	
Trachycarpus fortunei	Windmill Palm	30X10	M	
Brahea armata	Mexican Blue Palm	30X15	L	
Phoenix dactylifera <sup>1</sup>	Date Palm	60X20	L	

Table A.2 — Streetscapes and Entries Plant Palette (Continued)

**SHRUBS (25% 15 gal./50% 5 gal/ 25% 1 gal) such as:**

BOTANICAL NAME	COMMON NAME	MATURE HEIGHT / SPREAD	WUCOLS	COMMENT
Agave attenuata	Fox Tail Agave	3x3	L	Flowering Accent
Agave SPP	Agave	3x3	L	Accent shrub
Aloe saponaria	African Aloe	3x3	L	Midstory Shrub
Anigozanthos flavidus	Kangaroo Paw	2x3	M	Flowering Shrub
Cistus spp. <sup>1</sup>	Rockrose	4x4	L	Flowering Shrub
Dasyliion wheeleri	Desert Spoon	5x6	VL	Midstory Shrub
Escallonia fradesii	Escallonia	4x4	M	
Leptospermum scoparium <sup>1</sup>	New Zealand Tea Tree	6x4	M	Large Background
Russelia equisetiformis	Firecracker Bush	4x4	L	Large Background
Phormium 'Maori Maiden'	New Zealand Flax	4x4	M	Midstory Shrub
Dietes vegeta	Fortnight lily	3x3	L	Midstory Shrub
Rosmarinus 'Prostratus'	Prostrate Rosemary	1x3	L	Low Spreading
Salvia leucantha 'Midnight'	Mexican Sage Bush	3x3	M	Flowering Accent

**VINES (100% 15 gal.)**

BOTANICAL NAME	COMMON NAME	MATURE HEIGHT / SPREAD	WUCOLS	COMMENT
Bougainvillea spp.	Bougainvillea	4x4	L	San Diego Red
Ficus pumila	Creeping Fig	4x4	M	
Macfadyena unguis-cati	Cat's Claw	15'	L	
Passiflora alatocaerula	Passion Vine	4x4	M	

**GRASSES (100% 15 gal.)**

BOTANICAL NAME	COMMON NAME	MATURE HEIGHT / SPREAD	WUCOLS	COMMENT
Chondropetalum tectorum	Cape Rush	3x3	L	
Festuca glauca	Blue Fescue	1x1	L	
Helictotrichon sempervirens	Blue Oat Grass	2x2	M	
Muhlenbergia rigens	Deergrass	4x5	L	

Table A.2 — Streetscapes and Entries Plant Palette (Continued)

**GROUNDCOVER (1 gal. min.) such as:**

BOTANICAL NAME	COMMON NAME	MATURE HEIGHT / SPREAD	WUCOLS	COMMENT
Convolvulus mauritanicus	Ground Morning Glory	1x3	M	Groundcover
Carex pansa	California Meadow Sedge	1x1	M	Groundcover
Dymondia margaretae	Silver Carpet	3"x2	L	Groundcover
Senecio mandraliscae	Blue Chalk Sticks	1x3	L	Groundcover
Verbena peruviana	N.C.N.	2x2	M	

1. This plant species shall be planted at least 200 feet away from Non-Developable Open Space and MHPA areas identified on Figure 5.22 of this Specific Plan.

Table A.3 — Developed Parks Plant Palette

**TREES (24" box min.) such as:**

BOTANICAL NAME	COMMON NAME	MATURE HEIGHT / SPREAD	WUCOLS	COMMENT
Albizia julibrissin <sup>1</sup>	Mimosa	30x40	L	Broadhead/Evergreen
Lagestroemia indica	Crape Myrtle	25x12	M	Single Trunk
Prosopis velutina <sup>1</sup>	Velvet Mesquite	30x30	L	Upright/Evergreen
Cercidium 'Desert Museum'	Desert Museum Palo Verde	20x20	L	Upright/Deciduous
Platanus racemosa	Western Sycamore	60x50	S	Upright/Deciduous
Quercus agrifolia	Coast Live Oak	50x45	VL	Broadhead
Rhus lancea <sup>1</sup>	African Sumac	25x25	L	Multi-Trunked
Tipuana tipu <sup>1</sup>	Tipu Tree	25x25	L	Single Trunk

**PALMS (only to be used as special markers of entries and not to be located within 100 feet of homes)**

BOTANICAL NAME	COMMON NAME	MATURE HEIGHT / SPREAD	WUCOLS	COMMENT
Phoenix dactylifera <sup>1</sup>	Date Palm	60x20	L	
Chamaerops humilis	Mediterranean Fan Palm	20x20	M	
Trachycarpus fortunei	Windmill Palm	30X10	M	
Brahea armata	Mexican Blue Palm	30X15	L	

Table A.3 — Developed Parks Plant Palette (Continued)

**SHRUBS (25% 15 gal./50% 5 gal./ 25% 1 gal.) such as:**

BOTANICAL NAME	COMMON NAME	MATURE HEIGHT / SPREAD	WUCOLS	COMMENT
Agave attenuata	Fox Tail Agave	3x3	L	Flowering Accent
Aloe barbadensis	Aloe Vera	3x3	L	Flowering Accent
Aloe saponaria	African Aloe	3x3	L	Flowering Shrub
Anigozanthos flavidus	Kangaroo Paw	2x3	M	Flowering Shrub
Cistus spp. <sup>1</sup>	Rockrose	4x4	L	Flowering Shrub
Calliandra eriophylla	Fairy Duster	3x4	VL	Flowering Shrub
Dietes bicolor	Fortnight Lily	3x3	L	Flowering Accent
Leptospermum scoparium <sup>1</sup>	New Zealand Tea Tree	6x4	M	Large Background
Phormium 'Maori Maiden'	New Zealand Flax	4x4	L	Low Spreading
Rosmarinus spp.	Prostrate Rosemary	1x3	L	Low Spreading
Salvia leucantha 'Midnight'	Mexican Bush Sage	3x3	M	Flowering Accent

**VINES (100% 15 gal.)**

BOTANICAL NAME	COMMON NAME	MATURE HEIGHT / SPREAD	WUCOLS	COMMENT
Clytostoma callistigiodes	Violet Trumpet Vine	4x4	M	Flowering
Ficus pumila	Creeping Fig	4x4	M	Flowering
Passiflora alatocaerulea	Passion Vine	4x4	M	Flowering
Bougainvillea 'San Diego Red'	San Diego Red Bougainvillea	4x4	L	Flowering

Table A.3 — Developed Parks Plant Palette (Continued)

**GRASSES such as:**

BOTANICAL NAME	COMMON NAME	MATURE HEIGHT / SPREAD	WUCOLS	COMMENT
Chondropetalum tectorum	Cape Rush	3x3	L	
Festuca glauca	Blue Fescue	1x1	L	
Helictotrichon sempervirens	Blue Oat Grass	1x1	M	
Muhlenbergia rigens	Deergrass	4x5	L	

**GROUNDCOVER (1 gal. min.) such as:**

BOTANICAL NAME	COMMON NAME	MATURE HEIGHT / SPREAD	WUCOLS	COMMENT
Carex pansa	California Meadow Sedge	1x1	M	Groundcover
Dymondia margaretae	Silver Carpet	3"x 2	L	Groundcover
Senecio mandraliscae	Blue Chalk Sticks	1x3	L	Groundcover
Festuca spp.	Marathon Sod I	4"x6"	M	Turf

1. This plant species shall be planted at least 200 feet away from Non-Developable Open Space and MHPA areas identified on Figure 5.22 of this Specific Plan.

Table A.4 — Interior Slope Plant Palette

**TREES (36" box min.) such as:**

BOTANICAL NAME	COMMON NAME	MATURE HEIGHT / SPREAD	WUCOLS	COMMENT
Jacaranda mimosifolia	Jacaranda	25x30	M	Multi-trunked
Cercis occidentalis	Western Redbud	10x10	L	Multi-trunked
Platanus racemosa	Western Sycamore	60x50	M	Upright/Deciduous
Quercus agrifolia	Coast Live Oak	50x45	VL	Broadhead

**SHRUBS (25% 15 gal./ 50% 5 gal./25% 1 gal). such as:**

BOTANICAL NAME	COMMON NAME	MATURE HEIGHT / SPREAD	WUCOLS	COMMENT
Cistus spp. <sup>1</sup>	Rockrose	4x4	L	
Escallonia fradesii	Escallonia	4x4	M	
Leptospermum scoparium <sup>1</sup>	New Zealand Tea Tree	6x4	M	Large Background
Salvia Clevelandii	California Blue Sage	3x3	VL	
Rosmarinus 'Prostratus'	Prostrate Rosemary	1x3	L	Low Spreading

**VINES (100% 5 gal.) such as:**

BOTANICAL NAME	COMMON NAME	MATURE HEIGHT / SPREAD	WUCOLS	COMMENT
Calliandra eriophylla	Fairy Duster	4x4	VL	
Ficus pumila	Creeping Fig	4x4	M	
Bougainvillea spp.	Bougainvillea	4x4	L	'San Diego Red'

**GROUNDCOVER (pots @ 12" o.c.) such as:**

BOTANICAL NAME	COMMON NAME	MATURE HEIGHT / SPREAD	WUCOLS	COMMENT
Coprosma kirkii	N.C.N.	2x4	M	
Ceanothus griseus horizontalis	Carmel Creeper	2x5	L	

1. This plant species shall be planted at least 200 feet away from Non-Developable Open Space and MHPA areas identified on Figure 5.22 of this Specific Plan.

Table A.5 — Exterior Slope Plant Palette for Manufactured Slopes

**TREES (15-gal. min.) such as:**

BOTANICAL NAME	COMMON NAME	MATURE HEIGHT / SPREAD	WUCOLS	COMMENT
<i>Arbutus x 'marina'</i>	Strawberry Tree	25x25	L	Upright
<i>Parkinsonia aculeata</i>	Palo Verde	20x20	L	Upright/Deciduous
<i>Platanus racemosa</i>	Western Sycamore	60x50	M	Upright/Deciduous
<i>Populus fremontii</i>	Fremont Cottonwood	60x25	L	Vertical/Deciduous
<i>Quercus agrifolia</i>	Coast Live Oak	50x45	VL	Broadhead
<i>Rhus lancea</i> <sup>1</sup>	African Sumac	25x25	L	Multi-Trunked

**SHRUBS (25% 5 gal. / 75% 1 gal.) such as:**

BOTANICAL NAME	COMMON NAME	MATURE HEIGHT / SPREAD	WUCOLS	COMMENT
<i>Ceanothus 'Julia Phelps'</i>	California Lilac	5x8	L	
<i>Cercocarpus betuloides</i>	Mountain Mahogany	6x6	VL	
<i>Heteromeles arbutifolia</i>	Toyon	25x20	L	
<i>Rhus laurina</i>	Laurel Sumac	10x10	VL	
<i>Rhamnus crocea</i>	Spiny Redberry	3x5	VL	
<i>Rhus integrifolia</i>	Lemonade Berry	10x15	VL	
<i>Ribes speciosum</i>	Fuchsia Flowered Gooseberry	6x6	L	
<i>Yucca spp.</i>	Yucca	50	L	
<i>Iva havensiana</i>	San Diego Marsh-Elder	1x5	VL	

**GROUNDCOVER (1-gal. min.) such as:**

BOTANICAL NAME	COMMON NAME	MATURE HEIGHT / SPREAD	WUCOLS	COMMENT
<i>Arctostaphylos uva-ursi</i>	Bearberry	1x10	-	
<i>Baccharis 'Pigeon Point'</i>	Dwarf Coyote Bush	1x6	VL	
<i>Ceanothus griseus horizontalis</i>	Carmel Creeper	2x5	L	

Table A.6 — Trailhead Plant Palette

**TREES (36" box min.) such as:**

BOTANICAL NAME	COMMON NAME	MATURE HEIGHT / SPREAD	WUCOLS	COMMENT
<i>Rhus lancea</i> '	African Sumac	25x25	L	Multi-trunked
<i>Arbutus x 'marina'</i>	Strawberry Tree	25x25	L	
<i>Cercis occidentalis</i>	Western Redbud	10x10	L	

**SHRUBS (25% 15 gal./50% 5 gal./ 25% 1 gal.) such as:**

BOTANICAL NAME	COMMON NAME	MATURE HEIGHT / SPREAD	WUCOLS	COMMENT
<i>Fremontadendron 'California Glory'</i>	Flannel Bush	15x15	VL	
<i>Rhamnus californica 'Eva Case'</i>	Compact Coffeeberry	8x8	VL	
<i>Artemisia californica</i>	Artemisia	3x5	VL	
<i>Muhlenbergia rigens</i>	Deer Grass	3x3	VL	
<i>Salvia clevelandii</i>	Cleveland Sage	2x3	VL	
<i>Salvia gregii</i>	Autumn Sage	2x2	VL	
<i>Mimulus aurantiacus</i>	Coast Monkey Flower	2x2	VL	
<i>Ribes speciosum</i>	Fuchsia-Flowering Gooseberry	2x2	VL	
<i>Carex tumulicola</i>	Foothill Sedge	1x1	L	
<i>Juncus patens</i>	Juncus 'Elk Blue'	3x3	L	
<i>Achillea millefolium</i>	Common Yarrow	3x3	L	
<i>Heuchera maxima</i>	Island Alum Root	1x1	L	
<i>Arctostophylos 'Emerald Carpet'</i>	Manzanita	1x5	VL	
<i>Ceanothus 'Yankee Point'</i>	Ceanothus	1x5	VL	

1. This plant species shall be planted at least 200 feet away from Non-Developable Open Space and MHPA areas identified on Figure 5.22 of this Specific Plan.

Table A.7 — MHPA Adjacent Lands and Brush Management Zone 2 Plant Palette

BOTANICAL NAME	APPLICATION RATE LBS. PLS/ACRE	NOTES
<i>Acmispon glaber</i>	2	Seed source should originate within coastal regions of San Diego. Substitutions to this list are acceptable as long as the seed is sourced from within 20 miles of the site.
<i>Astragalus trichopodus lonchus</i>	0.5	
<i>Encelia californica</i>	1	Restoration for any graded areas of the MHPA are required to be restored.
<i>Gutierrezia californica</i>	0.1	
<i>Isocoma menziesii</i>	0.5	Provide native trees/shrubs (minimum 1 gallon container size) at a rate of one plant per 100 square feet of disturbed areas in addition to the MHPA hydroseed mix.
<i>Malosma laurina</i>	1	
<i>Stipa pulchra</i>	2	
<i>Salvia apiana</i>	0.5	
<i>Yucca schidigera</i>	1	
<i>Sisyrinchium bellum</i>	1	
<i>Dichelostemma capitatum</i>	0.2	
<i>Ambrosia chenopodiifolia</i>	2	
<i>Corethrogyne filaginifolia</i>	0.1	
<i>Hazardia squarrosa</i>	0.3	
<i>Phacelia cicutaria hispida</i>	0.5	
<i>Peritoma arborea</i>	2	
<i>Adolphia californica</i>	N/A	Should be planted from containers
<i>Simmondsia chinensis</i>	1	
<i>Lycium californicum</i>	N/A	Should be planted from containers
<i>Stipa lepida</i>	2	
<i>Deinandra fasciculata</i>	1	
<i>Cylindropuntia prolifera</i>	N/A	Should be planted from containers
<i>Opuntia littoralis</i>	N/A	Should be planted from containers
<i>Euphorbia misera</i>	N/A	Should be planted from containers

Table A.8 — Wildlife Overcrossing Plant Palette

**SHRUBS (25% 5 gal. / 75% 1 gal.) such as:**

BOTANICAL NAME	COMMON NAME	MATURE HEIGHT / SPREAD	TYPE
<i>Cylindropuntia prolifera</i>	Coast cholla	10 x 4	Upright
<i>Encelia californica</i>	Bush sunflower	4 x 6	Flowering
<i>Eriogonum fasciculatum</i>	California buckwheat	5 x 5	
<i>Malosma laurina</i>	Laurel sumac	10 x 10	Large Background
<i>Opuntia littoralis</i>	Coast prickly pear	3 x 5	Succulent
<i>Peritoma arborea</i>	Bladderpod	6 x 6	Mounding
<i>Rhus integrifolia</i>	Lemonade berry	10 x 15	Large Background
<i>Salvia mellifera</i>	Black sage	5 x 8	Mounding
<i>Yucca schidigera</i>	Mojave yucca	10 x 5	Succulent

**GRASSES (1 gal. min.) such as:**

BOTANICAL NAME	COMMON NAME	MATURE HEIGHT / SPREAD	TYPE
<i>Stipa pulchra</i>	Purple needlegrass	3 x 1.5	Accent
<i>Stipa lepida</i>	Small-flowered needlegrass	3 x 2	Accent

**INSECT HOST / NECTAR SPECIES (QUINO CHECKERSPOT BUTTERFLY and CROTCH’S BUMBLEBEE)**

BOTANICAL NAME	COMMON NAME	MATURE HEIGHT / SPREAD	TYPE
<i>Asclepias fascicularis</i>	Narrow-leaf milkweed	4 x 4	Accent
<i>Castilleja exserta</i>	Purple owl’s clover	Low	Herbaceous Annual
<i>Clarkia delicata</i>	Delicate clarkia	Low	Herbaceous Annual
<i>Clarkia unguiculata</i>	Elegant clarkia	Low	Herbaceous Annual
<i>Eschscholzia californica</i>	California poppy	3 x 2	Herbaceous Annual
<i>Lupinus bicolor</i>	Miniature lupine	Low	Herbaceous Annual
<i>Lupinus succulentus</i>	Arroyo lupine	5 x 5	Herbaceous Annual
<i>Plantago erecta</i>	Dot-seed plantain	Low	Herbaceous Annual

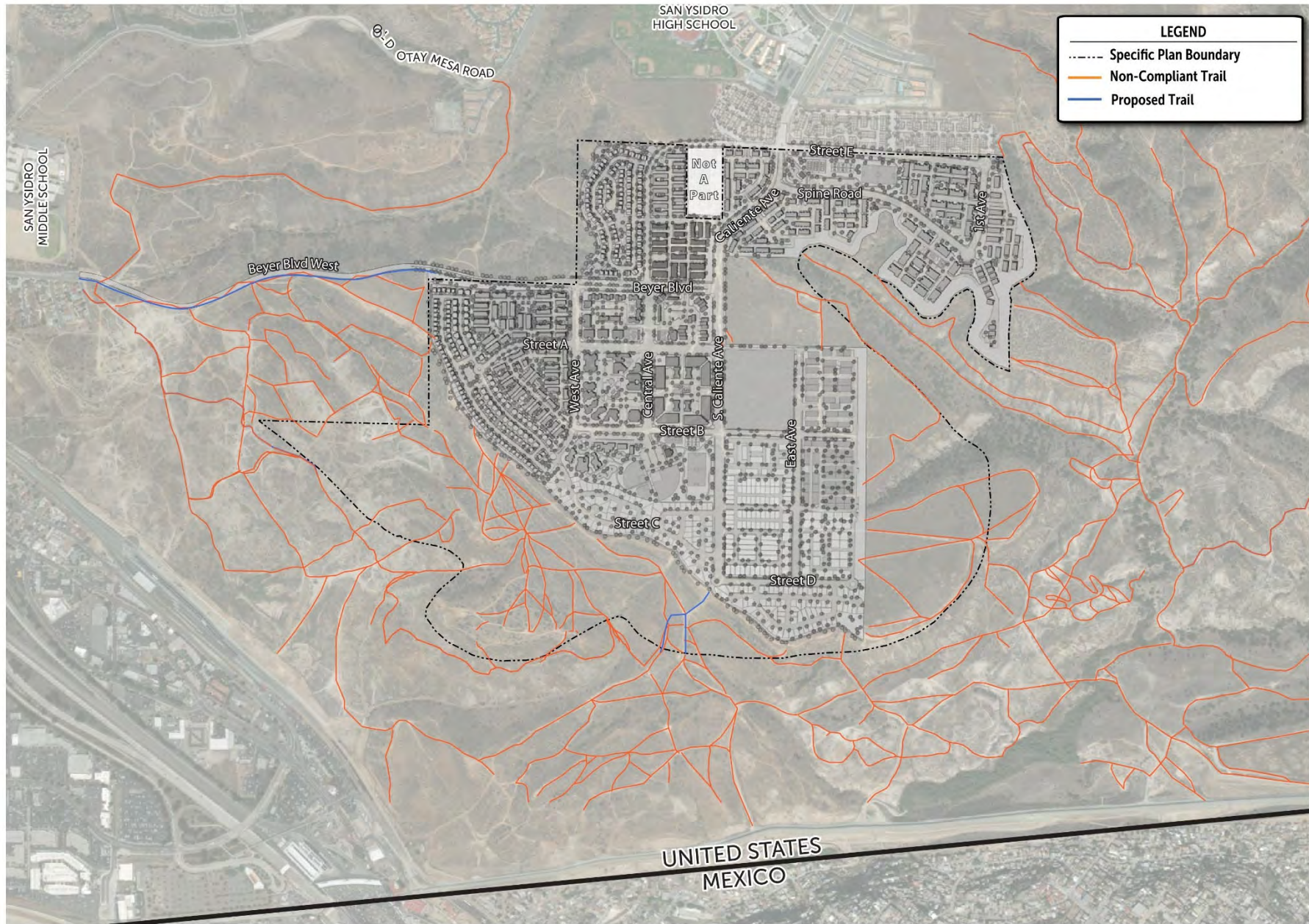
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B

*NON-COMPLIANT*

*TRAILS*

Figure 7.2 Figure B.1 — Non-Compliant Trails



Note: Non-compliant trails will be closed within a 50-foot buffer around the trail (100-foot total).



**B**

~~*COMMUNITY PLAN*~~

~~*CONSISTENCY*~~

~~*ANALYSIS*~~

## ~~C.1—CONSISTENCY ANALYSIS WITH OTAY MESA COMMUNITY PLAN~~

~~The Southwest Village Specific Plan must demonstrate consistency with all policies within the Otay Mesa Community Plan (OMCP). Specifically, consistency with Policies 2.1-1 and 2.1-2 are analyzed below:~~

### ~~C.1.1—Policy 2.1-1~~

~~“Require Specific Plans and any required rezoning for the Southwest and Central Village Areas to be consistent with the policies of this plan.”~~

~~Section 2.1, Specific Plan Areas, of the Community Plan contains policies that apply exclusively to Specific Plans within the Community Plan area. **Table B.1, Consistency with OMCP Policy 2.1-2** provides in-depth consistency analysis of the Specific with each policy in Section 2.1, Specific Plan Areas, of the Community Plan.~~

### ~~C.1.2—Policy 2.1-2~~

~~“Achieve sustainable and efficient land use patterns with comprehensive neighborhood and community village development through specific plans that [achieves the following].”~~

~~The Specific Plan was designed to be a grid-like network of streets that connects to the arterial roadways allowing for maximum use of the land. The Specific Plan also includes a transit mobility hub, Class II bikes lanes on public roadways, and bike sharing and car sharing programs to achieve a more sustainable community village. See **Table B.1, Consistency with OMCP Policy 2.1-2**, for further consistency analysis with this policy.~~

Table B.1 — Consistency with OMCP Policy 2.1-2

Policy	Specific Plan Consistency
<p><b>Policy 2.1-2(a)</b> Respect the natural topography and sensitive habitat areas with growth patterns that balance development with preservation of natural resources:</p>	<p>The Southwest Village Specific Plan has been designed to locate development on mesa, and avoid landslide hazard areas, steep slopes and canyons in the Specific Plan area. Sensitive habitats identified in the MHPA and VPHCP areas do not have any areas identified for development. Implementation of the Specific Plan will require additional site-specific studies to identify sensitive natural resources.</p> <p>Caliente Avenue and Beyer Boulevard were designed with respect to the topography and location of conserved open space in the Specific Plan.</p> <p>Figure 2.1, Southwest Village Land Use Plan, and Figure 5.22, Open Space Areas, identify areas of open space that are conserved for resource conservation. As shown in Figure 2.1, most of the eastern areas identified as Open Space are included as part of the VPHCP. Therefore, the Southwest Village Specific Plan is consistent with this policy.</p>
<p><b>Policy 2.1-2(b)</b> Provide a land use map that illustrates the detailed land use designations, including any lands set aside for resource conservation, consistent with the MSCP Subarea Plan and any future Vernal Pool Habitat Conservation Plan. The specific plan land use map will refine the Otay Mesa Community Plan Land Use Map as part of the specific plan approval process:</p>	<p>There are various land use types designated throughout the Southwest Village Specific Plan. Figure 2.1, Southwest Village Land Use Plan, shows the various land use designations, including open space areas that have been conserved under the MSCP and VPHCP. Therefore, the Southwest Village Specific Plan is consistent with this policy.</p>
<p><b>Policy 2.1-2(c)</b> Illustrate the complete circulation system that, where possible, follows a grid pattern, and indicate how the system will relate to the overall Otay Mesa circulation system:</p>	<p>Figure 4.1, Street Classifications, illustrates the circulation and mobility network of the Southwest Village Specific Plan. The backbone circulation and mobility network in Southwest Village is organized around two key arterials that access the center of the community — Caliente Avenue offers north-south access and Beyer Boulevard provides east-west access. These arterials provide separate facilities for pedestrians, bicyclists, transit users, and motorists. These arterials were designed with respect to provide linkages to the larger Otay Mesa Community. Further, a grid-like network of streets connects to the arterial roadways, allowing for maximum use of the land. Moreover, as stated in Section 4.2 grid network of streets connects to the arterial roadways, allowing for maximum use of the land, with consideration of ownership and lot configuration.</p>

Policy	Specific Plan Consistency
<p><b>Policy 2.1-2(d)</b> Strive for block sizes along local and collector streets to have a maximum perimeter of 1,800 feet.</p>	<p>As stated in Guiding Principle No. 3, the Southwest Specific Plan shall establish a pedestrian-scaled walkable block pattern with small block sizes along multi-modal local and collector streets. Further, Section 3.2.1, Site Design, includes a design guideline to limit the perimeter of block sizes along local and collectors streets to 1,800 feet, and if block sizes are required to be larger, then pedestrian access and circulation should be provided to create connections through the middle of the block and align with other public streets, paseos, sidewalks, and pathways. Therefore, the Southwest Village Specific Plan is consistent with this policy.</p>
<p><b>Policy 2.1-2(e)</b> Illustrate a separate system of pedestrian and bicycle facilities and pathways linking the activity centers with residential areas, public facilities, and open space systems.</p>	<p>Figure 4.2, Bike Facility Network, shows the bicycle facilities and their linkages to community trails, and neighborhood and community parks. Figure 4.5, Pedestrian Facility Network, illustrates pedestrian paths and various trail facilities within the Specific Plan, providing linkages throughout. As stated in Guiding Principle No. 6, the Southwest Village will provide an interconnected bicycle and pedestrian network that connects neighborhoods to each other, the Village Core, parks, public spaces and surrounding natural open space, and the surrounding communities. Therefore, the Southwest Village Specific Plan is consistent with this policy.</p>
<p><b>Policy 2.1-2(f)</b> Distribute parks comprehensively throughout the village area. Refer to Policy 7.1-7 of the Recreation Element for further recommendations.</p>	<p>As indicated in Figure 5.1, Parks and Trails, parks will be provided throughout the Southwest Village Specific Plan with Central Park in the southern half of the Specific Plan Area and North Village Park in the northern half of the Specific Plan Area. Section 5.4, Park Phasing, demonstrates that parks will be developed in seven phase. More specifically, Figure 5.2 and 5.3, Neighborhood Park Concept 1 (with Joint Use Opportunity with School) and Neighborhood Park Concept 2, illustrate conceptual design plans for the village neighborhood parks. Therefore, the Southwest Village Specific Plan is consistent with this policy.</p>
<p><b>Policy 2.1-2(f)(i)</b> Link parks to one another with pathways to increase connectivity and enhance a sense of community.</p>	<p>Section 1.3, Objectives, strives for the integration of parks, paseos, trails, and other amenities that provide outdoor areas for active and passive recreation. As states in Section 5.2, Parks Overview, the concept outlined as part of the Specific Plan provides linkages between parks through a system of paseos, multi-use paths, trails, sidewalks, and bike lanes and provides connections between the Village Core and surrounding neighborhoods. Figure 5.1, Parks and Trails, illustrates parks and various trail types within the Specific Plan. Similarly, Figure 4.2, Bike Facility Network, shows the connectivity between the bike facility networks and trails and parks. Therefore, the Southwest Village Specific Plan is consistent with this policy.</p>

Policy	Specific Plan Consistency
<p><b>Policy 2.1-2(f)(ii)</b> Locate neighborhood parks at the end of streets and adjacent to canyons when appropriate to accommodate and enhance public views and vistas.</p>	<p>Figure 5.1, Parks and Trails, illustrates the locations of proposed parks throughout the Specific Plan. The perimeter of the Specific Plan would feature a community trail which would provide and enhance public views and vistas of canyons and other natural/topographic features throughout the Specific Plan. Parks will be provided throughout the Southwest Village Specific Plan with two neighborhood parks on opposite ends of the Specific Plan area, located near residential development and are intended to serve the daily needs of the neighborhood. The Specific Plan will implement the City of San Diego Park Master Plan and provide recreational value-based parks and trails. Therefore, the Southwest Village Specific Plan is consistent with this policy.</p>
<p><b>Policy 2.1-2(g)</b> Identify specific locations for schools, parks, pedestrian pathways and trails.</p>	<p>Section 2.9 Schools, includes the locations for schools within the Specific Plan Area. Figure 5.1, Parks and Trails, identifies the proposed location for the proposed pedestrian facilities and trails, and parks. Figure 2.1, Southwest Village Land Use Plan, shows the location of a school overlay (Planning Area 7), which would be where the option for a second school would be located. Section 1.2, Vision, states that a school will be located in Planning Area 16, adjacent to the Village Core and a neighborhood park. Therefore, the Southwest Village Specific Plan is consistent with this policy.</p>
<p><b>Policy 2.1-2(g)(i)</b> Site schools and parks adjacent to each other to create activity centers within neighborhoods. See Policy 2.7-2.</p>	<p>As shown in Figure 2.1, Southwest Village Land Use Plan, the proposed school site (Planning Area 16) would be located adjacent to the neighborhood park in the Village Core (Planning Area 17). Section 2.9.2, Secondary School Site, states that Planning Area 17 should be evaluated as a potential joint-use park by the City of San Diego and the San Ysidro School District. Therefore, the Southwest Village Specific Plan is consistent with this policy.</p>
<p><b>Policy 2.1-2(g)(ii)</b> Include pathways and trails that connect public facilities with each other and to residential areas.</p>	<p>Section 3.2.1, Site Design, states that proposed developments should provide an interconnected system of paths, sidewalks, paseos, and walkways that create a connected pedestrian environment and connect residential buildings and common areas. Figure 5.1, Parks and Trails, illustrates the proposed locations of parks and trails which connect the residential neighborhoods with nearby parks, opens spaces, a school, and the Village Core, within the Specific Plan. Therefore, the Southwest Village Specific Plan is consistent with this policy.</p>
<p><b>Policy 2.1-2(g)(iii)</b> Provide pathways and connections, such as interpretive centers and trailheads, from facilities to canyon edges to take advantage of educational and recreational opportunities.</p>	<p>The Mobility Chapter establishes the framework for pedestrian and Bike Path networks that connect users to schools, parks, commercial centers, residential neighborhoods, open spaces, and employment, educational, and recreational opportunities. The Specific Plan shall provide an interconnected system of paths, sidewalks, paseos, and walkways that connect the residential neighborhoods with common areas. Figure 4.1, Street Classifications, and Figure 4.2, Bike Facility Network, illustrate roadway and bike facility connections within the Specific Plan and their connection to trailheads and parks. Moreover, Figure 4.5, Pedestrian Facility Network, illustrates the locations of various trail types, pedestrian paths, and trail connections in the Specific Plan. Therefore, the Southwest Village Specific Plan is consistent with this policy.</p>

Policy	Specific Plan Consistency
<p><b>Policy 2.1-2(g)(iv)</b> Determine final trail alignments and analyze with future Specific Plans or project-specific proposals. See policies in Recreation Element Section 7.2.</p>	<p>Figure 4.5, Pedestrian Facility Network, illustrates the conceptual trail locations within the Specific Plan. Development of trails would be restricted to restrictions associated with the MSCP Subarea Plan and CEQA requirements.</p>
<p><b>Policy 2.1-2(h)</b> Incorporate a diversity of housing types that includes market rate and affordable housing. Encourage inclusionary housing on-site.</p>	<p>Table 2.1, Development Summary, summarizes development within the Specific Plan and outlines housing types. Section 2.3, Affordable Housing, indicates that all implementing development applications must meet the City's requirements for Land Development Code <u>San Diego Municipal Code (LDCSDMC)</u>. Section 2.3 also states that an implementing development application may also be eligible for the City of San Diego's Affordable, In-Fill Housing and Sustainable Buildings Expedite Program as defined in Chapter 14, Article 3, Division 9 if one of the criterion for eligibility is met. As indicated in Section 1.4, Vision, the Southwest Village Specific Plan would incorporate a variety of housing types, including detached and attached homes, as well as multi-family housing. Figure 2.1, Southwest Village Land Use Plan, illustrates the locations of the variety of housing types. Therefore, the Southwest Village Specific Plan is consistent with this policy.</p>
<p><b>Policy 2.1-2(i)</b> Include an appropriate balance of single-family and multi-family housing consistent with the projections provided in the plan.</p>	<p>Southwest Village includes a diversity of single- and multi-family housing types. Figure 2.1, Southwest Village Land Use Plan, illustrates the locations of various housing types in the Specific Plan. Table 2.1, Development Summary, identifies the acreage, density range, and maximum dwelling units by housing type. The Residential Mixed Use designation in the Village Core will support a density of 20 to 44 du/ac, as well as a mobility hub with transit access. Therefore, the Southwest Village Specific Plan is consistent with this policy.</p>
<p><b>Policy 2.1-2(j)</b> Provide development at densities that support transit as an integral component of village areas and corridors.</p>	<p>Subsection 2.5, Residential Mixed Use (20 to 44 du/ac), states that development will accommodate community-serving commercial and retail uses of moderate intensity and scale, and attached residential uses. The Residential Mixed Use area is planned for a future mobility hub with transit access will be located near to these uses. Section 1.4, Vision, states that high density multi-family housing will be integrated in the Village Core. As discussed in Subsection 1.8.2, Climate Action Plan, a mobility hub is planned at the heart of the Village Core, at the intersection of Caliente Avenue and Beyer Boulevard. Therefore, the Southwest Village Specific Plan is consistent with this policy.</p>
<p><b>Policy 2.1-2(k)</b> Require a mixed-use residential/commercial component to be included within village core areas, with neighborhood-serving commercial uses such as food markets, restaurants, and other small retail shops. Encourage an anchor grocery store within each village area.</p>	<p>Section 3.3, Village Core, states that this Village Core will be an area, in the heart of the community, where people can live, shop, dine, work, and play. The Village Core will include local-serving retail, offices, public/semi-public uses within walking distance to higher density homes. The Village Core is comprised of the Residential Mixed Use (RMX) land use, which allows for desirable uses for ground floor non-residential establishments including grocery or convenience stores. Therefore, the Southwest Village Specific Plan is consistent with this policy.</p>

Policy	Specific Plan Consistency
<p><b>Policy 2.1-2(l)</b> Identify centrally located mixed-use core areas within each village area adjacent to key roadways and transit stops. Require a minimum of 15 du/ac for core areas designated Neighborhood Village and 30 du/ac for core areas designated Community Village.</p>	<p>There are no areas designated as Community Village in the Specific Plan, however the five central Planning Areas are designated as the “Village Core.” As discussed in Section 1.1, Overview, the Village Core is an urban mixed-use center, planned around future transit stop and mobility hub. Section 2.5, Residential Mixed Use (20 to 44 du/ac), allows for development of 20 du/ac to 44 du/ac in the Village Core. Therefore, the Southwest Village Specific Plan is consistent with this policy.</p>
<p><b>Policy 2.1-2(m)</b> Locate higher density mixed residential uses within a ½ mile of a “Town Center” along Beyer Road and within a ½ mile from the community commercial center in the north portion of the Southwest Village.</p>	<p>As discussed in Section 3.3, Village Core, the Village Core, south of Beyer Boulevard, will include Residential Mixed Use (RMX), which will provide community serving commercial services to those who reside in there, as well as work and visit. Immediately north of Beyer Boulevard, in Planning Area 8, will be Medium-High Density Residential which will allow 20-44 du/ac, and will be less than ½ mile from the Village Core. Therefore, the Southwest Village Specific Plan is consistent with this policy.</p>
<p><b>Policy 2.1-2(n)</b> Locate higher density mixed residential uses within a ¼ mile of transit stops along Airway Road and near the mixed-use retail uses in the Central Village as shown on Mobility Figure 3-2.</p>	<p>Though Airway Road is not within the Southwest Village Specific Plan area, the Village Core is an urban mixed-use center, that locates higher density mixed residential uses immediately adjacent and within a 1/4 mile of the future transit stop and mobility hub. Therefore, the Southwest Village Specific Plan is consistent with this policy.</p>
<p><b>Policy 2.1-2(o)</b> Include a detailed design plan for the mixed-use village core areas that identifies retail, convenience uses, and public spaces.</p>	<p>The Village Core would provide a complementary mix of local-serving retail, offices, and public/semi-public uses located within walking distance of higher density homes, as stated in Section 3.3, Village Core. Figure 3.3, Village Core, depicts the locations of various uses including the mixed use core, community-serving commercial, schools, parks, and residential buildings. Therefore, the Southwest Village Specific Plan is consistent with this policy.</p>
<p><b>Policy 2.1-2(p)</b> Provide sufficient community serving commercial development within village core areas and along transit corridors that support the residents, workforce, and visitors as these areas develop.</p>	<p>Section 3.3, Village Core, indicates that the Village Core will include a mix of community serving commercial development, such as retail and offices, in addition to public/semi-public uses and residents within walking distance of higher density housing. As stated in Section 2.5, Residential Mixed Use (20 to 44 du/ac), this designation, which will be included in the Village Core, is intended to accommodate a mix of community-serving commercial service and retail uses, which will be located near a future transit stop. Therefore, the Southwest Village Specific Plan is consistent with this policy.</p>

Policy	Specific Plan Consistency
<p><b>Policy 2.1-2(q)</b> Provide refined architecture, urban design, and streetscape guidelines consistent with the policies in the Otay Mesa Community Plan and the General Plan.</p>	<p>Chapter 3, Design, provide design policies and standards that should be used in conjunction with the development regulations in Chapter 2, Land Use, of the Specific Plan. Chapter 3 identifies the design guidelines that promote aesthetically pleasing and viable, site-compatible development that support the vision and objectives of the Specific Plan. Therefore, the Southwest Village Specific Plan is consistent with this policy.</p>
<p><b>Policy 2.1-2(r)</b> Include guidelines and illustrations for height, bulk, and scale of buildings and their relation to each other.</p>	<p>Section 3.2.1, Site Design, Section 3.4, Residential Design Policies, and Section 3.4.1, Architectural Design Concepts, discuss development standards; block sizes; and form, massing, and articulation of buildings to ensure that the buildings are compatible in relation to one another. Therefore, the Southwest Village Specific Plan is consistent with this policy.</p>
<p><b>Policy 2.1-2(s)</b> Provide a street tree plan that utilizes species within the Otay Mesa Street Tree Plan.</p>	<p>In the Specification Tables for each roadway type in Chapter 4 Mobility, roadways have designated street trees to create an attractive and cohesive community identity. The list of street trees is also listed in Appendix A, Plant Palette, of this Specific Plan. Therefore, the Southwest Village Specific Plan is consistent with this policy.</p>
<p><b>Policy 2.1-2(t)</b> Require a phasing plan to ensure timely provision of necessary public facilities to serve the proposed development.</p>	<p>Section 7.14, Phasing, discusses the implementation of phasing within the Southwest Village Specific Plan area, and states various standards for which development within Southwest Village must adhere to. See Table 7.3 Phasing Summary, for phasing plans for proposed infrastructure within the Southwest Village. Section 5.4, Park Phasing, states that parks will be developed in seven associated with dwelling unit thresholds within each Planning Area as specified in Table 5.1, Parks Phasing. Therefore, the Southwest Village Specific Plan is consistent with this policy.</p>

C

*SPECIFIC PLAN*

*IMPLEMENTATION*

*TRACKING*

# C.1 — SPECIFIC PLAN IMPLEMENTATION TRACKING TABLE

Table 7.3 — Specific Plan Implementation Tracking Table

The Implementation Tracking Table shall be included with development plans at the time of building permit application. The purpose of the table is to development applicant and the City staff in tracking the implementation of development use, parks, and average daily trips within the Specific Plan area.

PLANNING AREA	DWELLING UNITS	COMMERCIAL (SF)	PARKS (acres)	AVERAGE DAILY TRIPS (DRIVEWAY ADT)	AM PEAK HOUR TRIPS			PM PEAK HOUR TRIPS		
					IN	OUT	TOTAL	IN	OUT	TOTAL
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										

PLANNING AREA	DWELLING UNITS	COMMERCIAL (SF)	PARKS (acres)	AVERAGE DAILY TRIPS (DRIVEWAY ADT)	AM PEAK HOUR TRIPS			PM PEAK HOUR TRIPS		
					IN	OUT	TOTAL	IN	OUT	TOTAL
<u>12</u>										
<u>13</u>										
<u>14</u>										
<u>15</u>										
<u>16</u>										
<u>17</u>										
<u>18</u>										
<u>19</u>										
<u>20</u>										
<u>21</u>										
<u>22</u>										

<u>PLANNING AREA</u>	<u>DWELLING UNITS</u>	<u>COMMERCIAL (SF)</u>	<u>PARKS (acres)</u>	<u>AVERAGE DAILY TRIPS (DRIVEWAY ADT)</u>	<u>AM PEAK HOUR TRIPS</u>			<u>PM PEAK HOUR TRIPS</u>		
					<u>IN</u>	<u>OUT</u>	<u>TOTAL</u>	<u>IN</u>	<u>OUT</u>	<u>TOTAL</u>
<u>23</u>										
<u>24</u>										
<u>25</u>										
<u>26</u>										
<u>27</u>										
<u>28</u>										
<u>29</u>										
<u>30</u>										
<u>Totals</u>										

DE

*LIST OF  
REFERENCES AND  
TECHNICAL STUDIES*

## Southwest Village Specific Plan References and Technical Studies

City of San Diego Transportation & Storm Water Design Manuals. Street Design Manual. March 2017. [https://www.sandiego.gov/sites/default/files/street\\_design\\_manual\\_march\\_2017-final.pdf](https://www.sandiego.gov/sites/default/files/street_design_manual_march_2017-final.pdf).

Dexter Wilson Engineering, Inc. Southwest Village Specific Plan Sewer Study in the City of San Diego. March 2022.

LOS Engineering, Inc. Southwest Village VTM 1 Local Mobility Analysis. August 2024.

LOS Engineering, Inc. Southwest Village VTM 1 Vehicle Miles Traveled Analysis. August 2024.

LOS Engineering, Inc. Southwest Village Programmatic Level VTM. August 2024.

LOS Engineering, Inc. Southwest Village Transportation Phasing Plan. August 2024.

RICK Engineering. Priority Development Project (PDF) Stormwater Water Quality Management Plan (SWQMP). March 2022.

RECON. Air Quality Analysis for the Southwest Village Specific Plan. March 2022.

RECON. Biological Resources Report for the Southwest Village Specific Plan. March 2022.

RECON. Results of the Historical Resources Investigation of the Southwest Village Specific Plan. March 2022.

RECON. Waste Management Plan for the Southwest Village Specific Plan. March 2022.

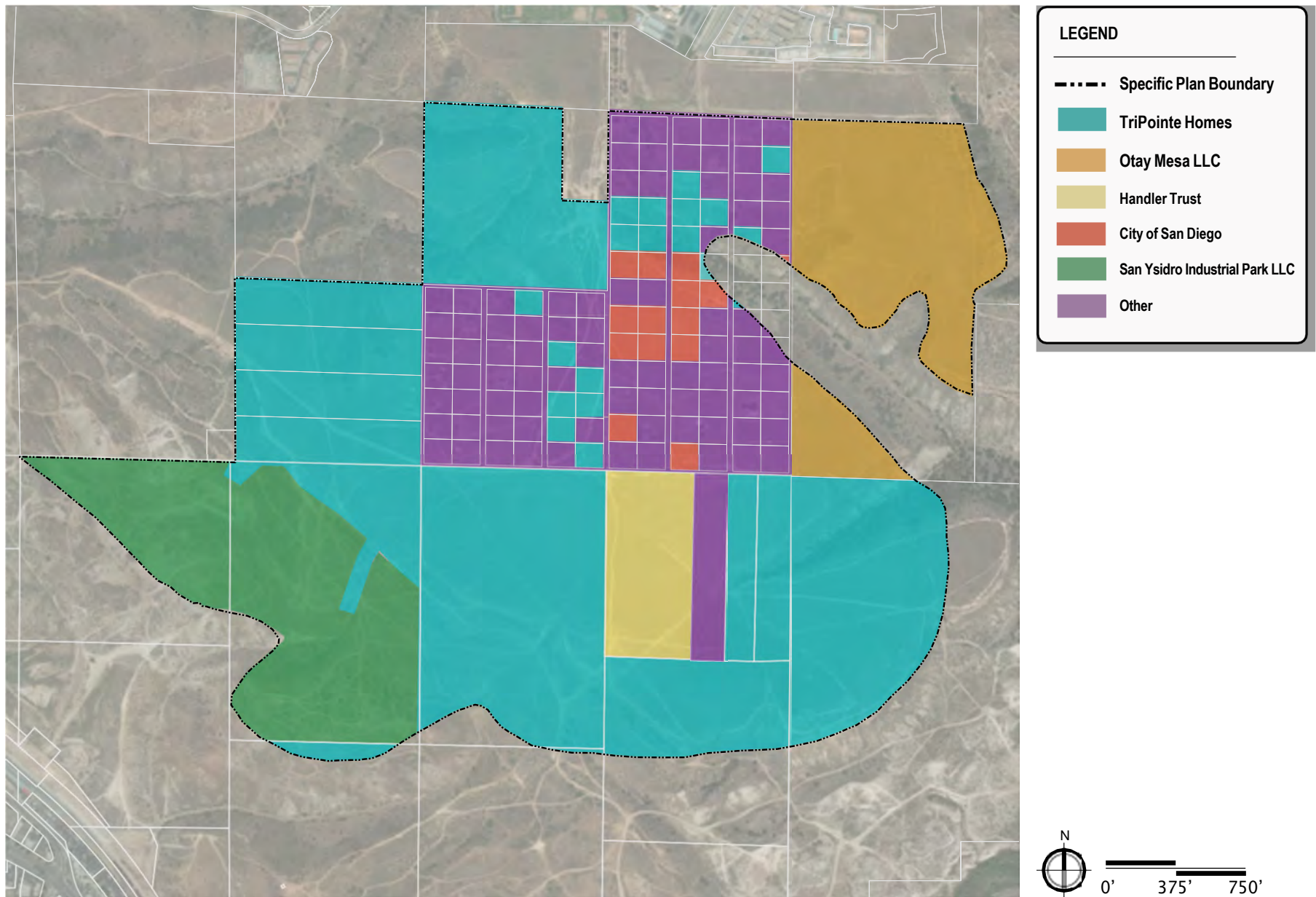
RICK Engineering. Drainage Study for Southwest Village VTM (Preliminary Engineering). March 2022.

**ED**

*LAND OWNERSHIP*

*MAP*

Figure ED-1 - Property Ownership Map

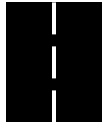


FE

*TRANSPORTATION*

*PHASING*

*PLAN*



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April 1, 2026~~January 30, 2026~~

Ms. Ann Gonsalves, T.E.  
City of San Diego  
1222 First Avenue, MS 501  
San Diego, CA 92101

Subject: Southwest Village Specific Plan Transportation Phasing Plan (PRJ-0614791)

Dear Ms. Gonsalves:

The Southwest Village Specific Plan (Specific Plan) provides a comprehensive policy framework intended to guide future development in Southwest Village, consistent with the City of San Diego - Otay Mesa Community Plan (OMCP) and City of Villages Strategy. This Phasing Plan includes the following sections:

- 1) Project Description and Trip Generation
- 2) Community Plan Circulation Changes
- 3) Planning Areas and Phasing
- 4) Community Access and On-Site Vehicular Circulation
- 5) Conclusion

#### PROJECT DESCRIPTION AND TRIP GENERATION

The Specific Plan encompasses approximately 490 acres, will allow up to 5,130 attached and detached residences, and will facilitate creation of a new village anchored by up to 175,000 square feet of commercial and retail uses in a mixed-use Village Core. The Specific Plan would provide public facilities including dedication of up to two new elementary schools, approximately 18.1~~17.6~~ acres of publicly owned developed parks in addition to approximately 18 acres of trails, and approximately 185 acres of surrounding natural open space and habitat conservation.

Access to the Specific Plan area will be from two Mobility Element roadways, Caliente Avenue to the north and from an extension of Beyer Boulevard to the west, connecting the Specific Plan area to San Ysidro. If Beyer Blvd is not extended by the 200<sup>th</sup> unit, then an alternative secondary access is proposed south of the Specific Plan area along an existing utility road to be improved as an emergency vehicle access (EVA) road to facilitate regional fire and emergency response.

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The Specific Plan contains 30 planning areas and identifies a range of allowable residential densities for each planning area to allow for flexibility in future planning and design. The following land use designations are proposed:

- Medium-Low Density Residential allowing 8 to 22 dwelling units per acre
- Medium Density Residential allowing 15 to 29 dwelling units per acre
- Medium-High Density Residential allowing 20 to 44 dwelling units per acre
- Residential Mixed-Use allowing up to 175,000 square feet of commercial and retail uses at a maximum Floor Area Ratio (FAR) of 3.0 and multi-family attached residential units at a density range of 30 to 62 dwelling units per acre.

Implementation of the Specific Plan will require a number of discretionary approvals including an amendment to the OMCP related to land use to refine the buildout of the Southwest District area as defined in the OMCP; roadway circulation classification change of Beyer Boulevard from a 4-Lane Major to a 4-Lane Modified Urban Collector and Caliente Avenue from a 6-Lane Major to a 4-lane Modified Urban Collector; a rezone to implement Specific Plan land uses; a Multi-Habitat Planning Area (MHPA) Boundary Line Adjustment (BLA); and approval of an update to the Otay Mesa Public Facilities Financing Plan to include new parks, a sewer pump station, and other public facilities to reflect the project needs.

Furthermore, since the Specific Plan is under multiple property ownerships and the timing of build-out is not known at this time, the ultimate mix of residential densities cannot be known with certainty. However, the following assumptions consistent with the Specific Plan land use framework were used in this analysis that identifies build-out of up to:

- 1,158 single family residential units
- 2,503 multi-family units under 20 dwelling units per acre
- 1,469 multi-family units over 20 dwelling unit per acre
- 175,000 SF Commercial/Retail
- 2 elementary schools

Under these land use assumptions, the Specific Plan has a calculated driveway trip generation of 57,250 ~~57,225~~ ADT with 4,777 AM peak hour trips (1,569 inbound and 3,208 outbound) and 5,950 ~~5,948~~ PM peak hour trips (3,696 ~~3,695~~ inbound and 2,254 ~~2,253~~ outbound). The City of San Diego *Otay Mesa Community Plan 2014* identified Southwest Village with 5,880 homes, 190,800 SF commercial, two elementary schools, and 40 acres of developed parks for a driveway trip generation of 64,393 ADT with 5,249 peak hour trips (1,690 inbound and 3,559 outbound) and 6,596 PM peak hour trips (4,108 inbound and 2,488 outbound). The proposed Specific Plan land use mix results in an overall reduction from the 2014 OMCPU in the amount of -7,143 ~~7,168~~ ADT, -472 AM trips (-121 inbound and -351 outbound), and -646 ~~648~~ PM trips (-412 ~~413~~ inbound and -234 ~~235~~ outbound) as shown in **Table 1**.

**Table 1: Proposed and Adopted Specific Plan Uses and Traffic Comparison**

Land Use	ADT			AM							PM		
	Rate	Size & Units	ADT	%	Split	IN	OUT	Total	%	Split	IN	OUT	Total
Single-Family	10 /DU	1,158 DU	11,580	8%	0.2 0.8	185	741	926	10%	0.7 0.3	811	347	1,158
Multi-Family (< 20 du/ac)	8 /DU	2,503 DU	20,024	8%	0.2 0.8	320	1,282	1,602	10%	0.7 0.3	1402	601	2,003
Multi-Family (>20 du/ac)	6 /DU	1,469 DU	8,814	8%	0.2 0.8	141	564	705	9%	0.7 0.3	555	238	793
Community Shopping Cnt	70 /KSF	175,000 SF	12,250	3%	0.6 0.4	221	147	368	10%	0.5 0.5	613	613	1,226
Two Elem. Schools (1)	2.9 /Student	1,268 Students	3,677	31%	0.6 0.4	684	456	1,140	19%	0.4 0.6	279	419	698
Developed Park	50 /Acre	17.6 Acres	880	4%	0.5 0.5	18	18	36	8%	0.5 0.5	35	35	70
Proposed Southwest Village Driveway Totals			57,228			1,569	3,208	4,777			3,695	2,253	5,948
Single-Family	10 /DU	1,400 DU	14,000	8%	0.2 0.8	224	896	1,120	10%	0.7 0.3	980	420	1,400
Multi-Family (< 20 du/ac)	8 /DU	2,240 DU	17,920	8%	0.2 0.8	287	1,147	1,434	10%	0.7 0.3	1254	538	1,792
Multi-Family (>20 du/ac)	6 /DU	2,240 DU	13,440	8%	0.2 0.8	215	860	1,075	9%	0.7 0.3	847	363	1,210
Community Shopping Cnt	70 /KSF	190,800 SF	13,356	3%	0.6 0.4	240	160	400	10%	0.5 0.5	668	668	1,336
Two Elem. Schools (1)	2.9 /Student	1,268 Students	3,677	31%	0.6 0.4	684	456	1,140	19%	0.4 0.6	279	419	698
Developed Park	50 /Acre	40 Acres	2,000	4%	0.5 0.5	40	40	80	8%	0.5 0.5	80	80	160
Adopted Otay Mesa CPU Driveway Totals			64,393			1,690	3,559	5,249			4,108	2,488	6,596
Reduction between CPU and Southwest Village			-7,168			-121	-351	-472			-413	-235	-648

Source: City of San Diego *Trip Generation Manual*, May 2003. DU=Dwelling Unit. KSF=1,000 square feet. (1) Number of students based on estimated student enrollment for an elementary school of similar size per the Long Range Facilities Master Plan for San Ysidro School District 2021.

**Table 1: Proposed and Adopted Specific Plan Uses and Traffic Comparison**

Land Use	ADT			AM							PM		
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Two Elem. Schools (1)	2.9 /Student	1,268 Students	3,677	31%	0.6 0.4	684	456	1,140	19%	0.4 0.6	279	419	698
Developed Park	50 /Acre	18.1 Acres	905	4%	0.5 0.5	18	18	36	8%	0.5 0.5	36	36	72
Proposed Southwest Village Driveway Totals			57,250			1,569	3,208	4,777			3,696	2,254	5,950
Single-Family	10 /DU	1,400 DU	14,000	8%	0.2 0.8	224	896	1,120	10%	0.7 0.3	980	420	1,400
Multi-Family (< 20 du/ac)	8 /DU	2,240 DU	17,920	8%	0.2 0.8	287	1,147	1,434	10%	0.7 0.3	1254	538	1,792
Multi-Family (>20 du/ac)	6 /DU	2,240 DU	13,440	8%	0.2 0.8	215	860	1,075	9%	0.7 0.3	847	363	1,210
Community Shopping Cnt	70 /KSF	190,800 SF	13,356	3%	0.6 0.4	240	160	400	10%	0.5 0.5	668	668	1,336
Two Elem. Schools (1)	2.9 /Student	1,268 Students	3,677	31%	0.6 0.4	684	456	1,140	19%	0.4 0.6	279	419	698
Developed Park	50 /Acre	40 Acres	2,000	4%	0.5 0.5	40	40	80	8%	0.5 0.5	80	80	160
Adopted Otay Mesa CPU Driveway Totals			64,393			1,690	3,559	5,249			4,108	2,488	6,596
Reduction between CPU and Southwest Village			-7,143			-121	-351	-472			-412	-234	-646

Source: City of San Diego *Trip Generation Manual*, May 2003. DU=Dwelling Unit. KSF=1,000 square feet. (1) Number of students based on estimated student enrollment for an elementary school of similar size per the Long Range Facilities Master Plan for San Ysidro School District 2021.

The regional location of the project site is shown in **Figure 1**. The 30 planning areas that make up Southwest Village are shown in **Figure 2**.

**Figure 1: Regional Project Location**

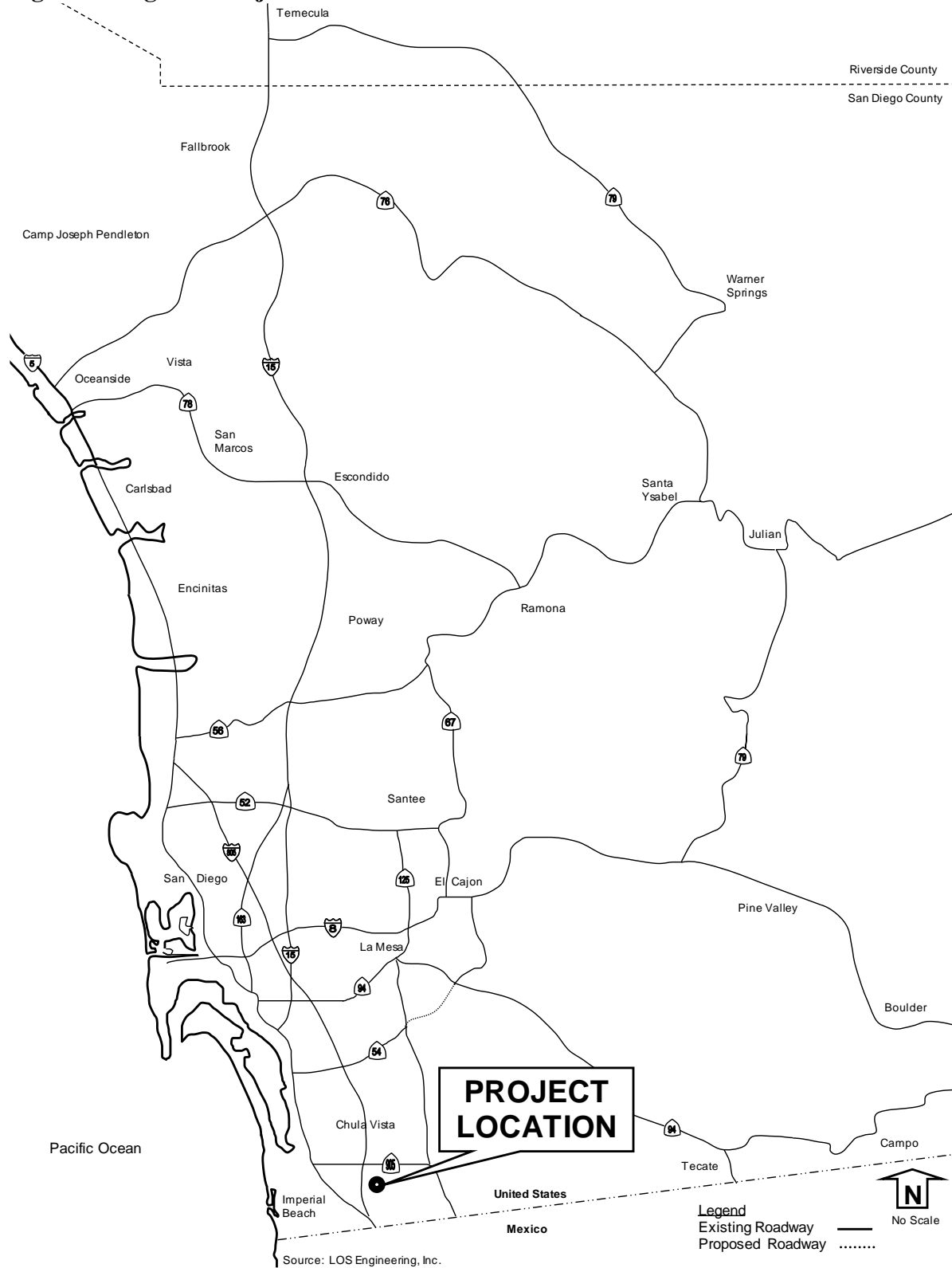


Figure 2: Southwest Village Specific Plan

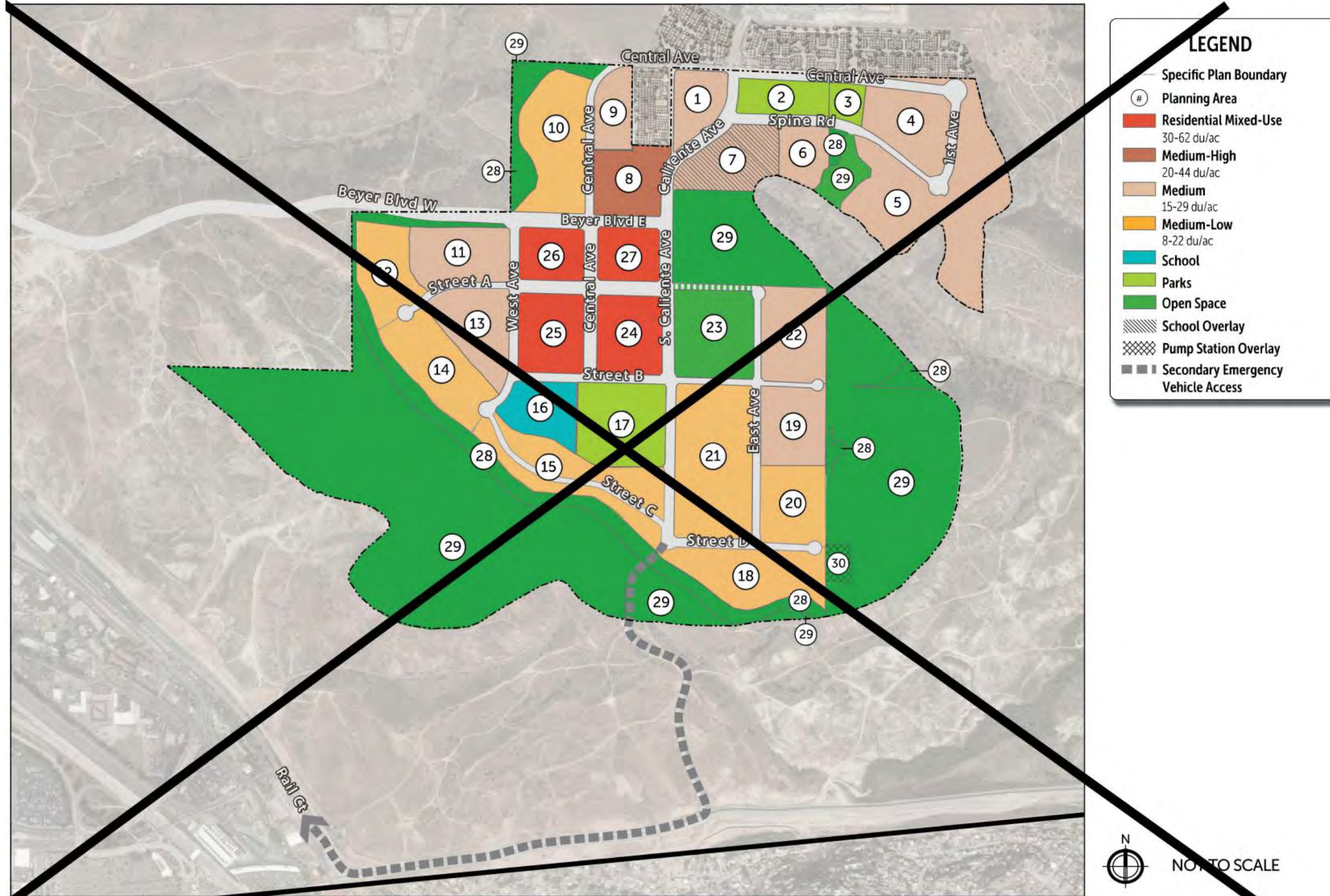
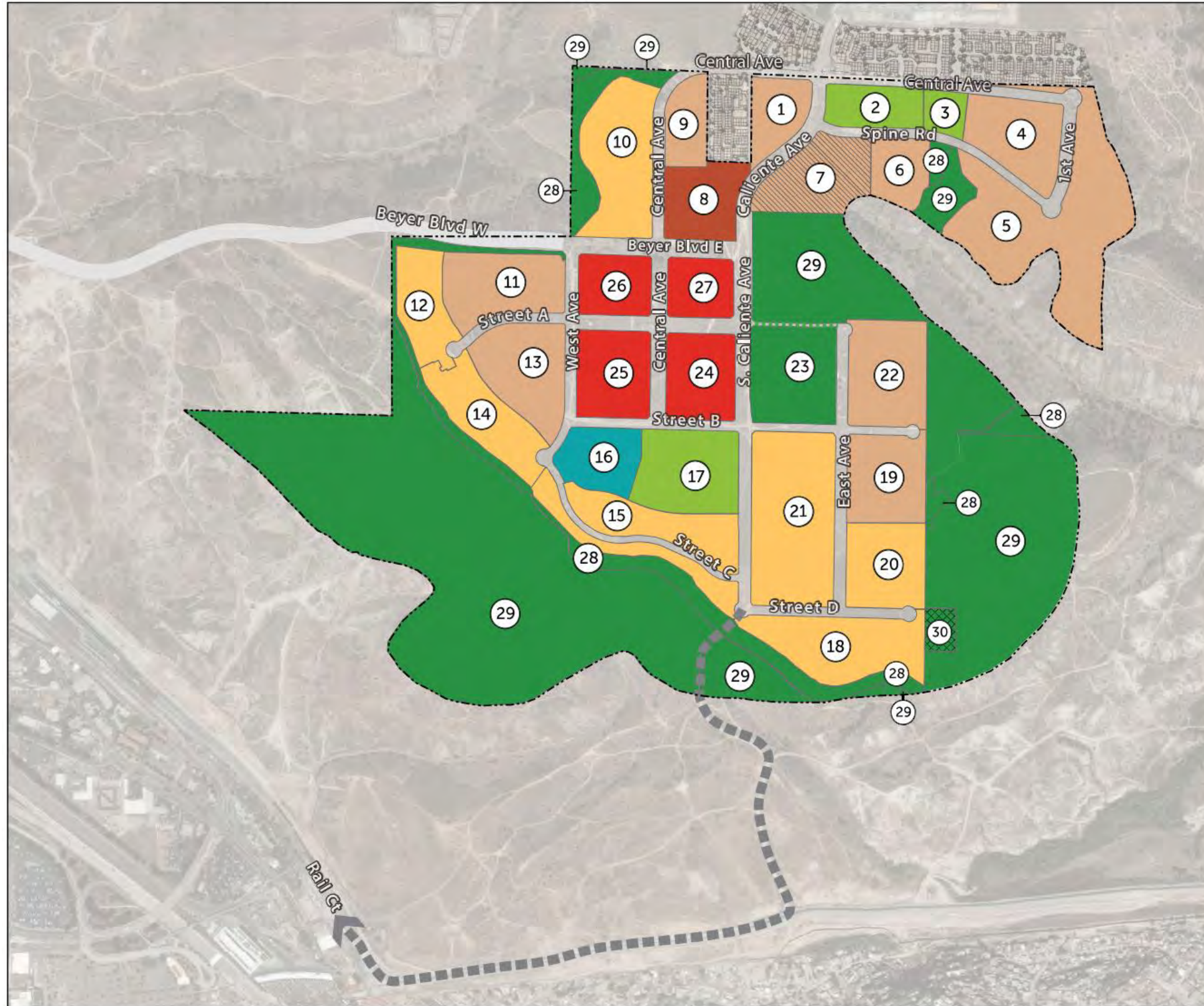


Figure 2: Southwest Village Specific Plan



**LEGEND**

- Specific Plan Boundary
- # Planning Area
- Red Residential Mixed-Use  
30-62 du/ac
- Dark Brown Medium-High  
20-44 du/ac
- Light Brown Medium  
15-29 du/ac
- Yellow Medium-Low  
8-22 du/ac
- Light Blue School
- Light Green Parks
- Dark Green Open Space
- Diagonal Hatching School Overlay
- Cross-hatching Pump Station Overlay
- Dashed Grey Line Secondary Emergency Vehicle Access

N  
 NOT TO SCALE

Source: Rick Engineering

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## COMMUNITY PLAN CIRCULATION CHANGES

The Specific Plan is consistent with the Otay Mesa Community Plan Update (OMCPU) transportation assumptions from a trip generation perspective. However, the Specific Plan identifies circulation network changes that require operational analyses to ensure the network still functions at the community level. Two circulation network changes are proposed:

- 1) Caliente Ave downgrade from a 6 Lane Major to a 4 Lane Modified Urban Collector between Central Ave and Beyer Blvd to avoid sensitive habitat, specifically a 1-acre City of San Diego owned Vernal Pool Habitat Conservation Plan 100 percent conserved parcel. The downgrade was supported by City staff during a meeting on 3/11/20 after review of materials provided by the project team. As a 4 Lane Urban Collector, this segment would operate at LOS E under Horizon Year 2062 community buildout conditions. The OMCPU EIR identified this segment as significant and unmitigated under Horizon Year conditions. This impact is considered significant, unavoidable, and consistent with the OMCPU EIR (support materials included in **Attachment A**).
- 2) Beyer Blvd downgrade from a 4 Lane Major to a 4 Lane Modified Urban Collector between Enright Dr and Caliente Ave. From Enright Dr to West Ave, Beyer Blvd will be constructed with a 2 lane cross section to avoid and minimize impacts to sensitive habitat, as requested by California wildlife agencies. From West Ave to Caliente Ave, Beyer Blvd will be constructed as a 4 Lane Urban Major. An arterial analysis supporting the narrower 2 lane cross section with raised median and pedestrian and bicycle facilities and proposed Beyer Blvd alignment are included in **Attachment B**. Beyer Blvd between E. Beyer Blvd/Old Otay Mesa Rd and Enright Dr has not yet been completed to the ultimate San Ysidro Community Plan Update classification of a 4 Lane Collector (excerpt from the San Ysidro Community Plan Update is included in **Attachment C**). Sufficient right of way does not exist on Beyer Blvd between E. Beyer Blvd and Enright Dr to complete this section to the ultimate classification. The right of way constraint is on the north side of Beyer Blvd along the San Ysidro School District parcel. The requirement of a 4 Lane Collector of Beyer Blvd between E. Beyer Blvd/Old Otay Mesa Rd and Enright Dr is forecasted to occur in Phase 4 forecasted at the ~~3,298<sup>th</sup>~~ ~~3,301<sup>st</sup>~~ dwelling unit, after accounting for traffic from a second elementary school and ~~7.6~~ ~~7.1~~ acres of park based on the assignment of the SWV Specific Plan residential traffic to Beyer Blvd using a SANDAG Series 13 Select Zone Assignment (**Attachment D**). The Beyer Blvd LOS between E. Beyer Blvd and Enright Dr within San Ysidro and when the existing 2 lanes will be required to be widened to 4 lanes at Phase 4 is shown in **Table 2**.

**Table 2: Four Lane Trigger for Beyer Blvd (E. Beyer to Enright) within San Ysidro**

Phase	Single Family	Multi-Family < 20 du/ac	Multi-Family > 20 du/ac	Dwelling Unit (DU) Total	Running DU Total	ADT by Phase	Aggregate ADT	W. Beyer ADT based on SANDAG SZA 24% distribution	Beyer Blvd (E Beyer to Enright) ADT	E+C at 2 lanes	E+C+P at 4 lanes							
1	Units 543	490	282	1,315	1,315					V/C	LOS E* 0.38	LOS E* 0.13						
	ADT 5,430	3,520	1,692			11,042	11,042	2,650	1,149	3,799	LOS A	LOS A						
2	Units 615	237		852	2,167					V/C	LOS E* 0.57	LOS E* 0.19						
	ADT 6,150	1,896				8,046	19,088	4,581	1,149	5,730	LOS C	LOS A						
	Developed Parks										V/C	LOS E* 0.59	LOS E* 0.20					
	ADT at 50 ADT/Acre for 10.5 acres										525	19,613	4,707	1,149	5,856	LOS C	LOS A	
	Elementary School (PA16)															V/C	LOS E* 0.63	LOS E* 0.21
	ADT at 2.9 ADT/Student with 600 students										1,740	21,353	5,125	1,149	6,274	LOS C	LOS A	
3	Units	819		819	2,986					V/C	LOS E* 0.78	LOS E* 0.26						
	ADT	6,552				6,552	27,905	6,697	1,149	7,846	LOS D	LOS A						
4	Developed Parks										V/C	LOS E* 0.79	LOS E* 0.26					
	ADT at 50 ADT/Acre for 7.1 acres										355	28,260	6,782	1,149	7,931	LOS D	LOS A	
	Elementary School (PA7 Overlay)															V/C	LOS E* 0.84	LOS E* 0.28
	ADT at 2.9 ADT/Student with 668 students										1,937	30,117	7,247	1,149	8,396	LOS D	LOS A	
	Units	314		314	3,300					V/C	LOS E* 0.90	LOS E* 0.30						
	ADT	2,512				2,512	32,709	7,850	1,149	8,999	LOS D	LOS A						
	Units	110		110	3,410					V/C	LOS E* 0.92	LOS E* 0.31						
	ADT	880				880	33,589	8,061	1,149	9,210	LOS E	LOS A						
5	Units	266		266	3,676					V/C	LOS E* 0.97	LOS E* 0.32						
	ADT	2,128				2,128	35,717	8,572	1,149	9,721	LOS E	LOS A						
6	Units	267		267	3,943					V/C	LOS E* 1.02	LOS E* 0.34						
	ADT	2,136				2,136	37,853	9,085	1,149	10,234	LOS F	LOS B						
7	Units		1,187	1,187	5,130					V/C	LOS E* 1.19	LOS E* 0.40						
	ADT		7,122			7,122	44,975	10,794	1,149	11,943	LOS F	LOS B						
	Commercial Shopping Center										V/C	LOS E* 1.19	LOS E* 0.50					
	ADT at 70 ADT/KSF for 175,000 square feet										12,250	57,225	13,734	1,149	14,883	LOS F	LOS C	
TOTALS				Dwelling units: 5,130	ADT: 57,225													

Notes: ADT: Average Daily Trips. E+C: Existing + Cumulative. E+C+P: Existing + Cumulative + Project. KSF: 1,000 Square Feet. V/C: Volume over Capacity. Cap = Capacity. \*LOS E capacity at 10,000 ADT for 2 lanes with no fronting property and 30,000 ADT for 4 lanes with two way left turn lane from TSM Appendix E (included in Attachment E). SZA = Select Zone Assignment. Shading notes when Beyer Blvd needs to be widened to 4 lanes.

**Table 2: Four Lane Trigger for Beyer Blvd (E. Beyer to Enright) within San Ysidro**

Phase		Single Family	Multi-Family < 20 du/ac	Multi-Family > 20 du/ac	Dwelling Unit (DU) Total	Running DU Total	ADT by Phase	Aggregate ADT	W. Beyer	Beyer Blvd	E+C+P	E+C+P			
									ADT based on SANDAG SZA 24% distribution	(E Beyer to Enright) ADT E+C E+C+P	at 2 lanes LOS E* 10k	at 4 lanes LOS E* 30k cap.			
1	Units	543	490	282	1,315	1,315					V/C	0.38	0.13		
	ADT	5,430	3,920	1,692			11,042	11,042	2,650	1,149	3,799	LOS	A	A	
2	Units	615	237		852	2,167						V/C	0.57	0.19	
	ADT	6,150	1,896				8,046	19,088	4,581	1,149	5,730	LOS	C	A	
	Developed Parks											V/C	0.59	0.20	
	ADT at 50 ADT/Acre for 10.5 acres											LOS	C	A	
3	Elementary School (PA16)											V/C	0.63	0.21	
	ADT at 2.9 ADT/Student with 600 students											LOS	C	A	
	Units		819		819	2,986						V/C	0.78	0.26	
ADT		6,552					6,552	27,905	6,697	1,149	7,846	LOS	D	A	
4	Developed Parks											V/C	0.79	0.26	
	ADT at 50 ADT/Acre for 7.6 acres											LOS	D	A	
	Elementary School (PA7 Overlay)											V/C	0.84	0.28	
	ADT at 2.9 ADT/Student with 668 students											LOS	D	A	
	Units		311		311	3,297						V/C	0.90	0.30	
	ADT		2,488					2,488	32,710	7,850	1,149	8,999	LOS	D	A
5	Units		306		306	3,676						V/C	0.97	0.32	
	ADT		2,448					2,448	35,742	8,578	1,149	9,727	LOS	E	A
6	Units		267		267	3,943						V/C	1.02	0.34	
	ADT		2,136					2,136	37,878	9,091	1,149	10,240	LOS	F	B
7	Units			1,187	1,187	5,130						V/C	1.19	0.40	
	ADT			7,122				7,122	45,000	10,800	1,149	11,949	LOS	F	B
	Commercial Shopping Center											V/C	1.49	0.50	
ADT at 70 ADT/KSF for 175,000 square feet											LOS	F	C		
TOTALS		Dwelling units:			5,130	ADT:		57,250							

Notes: ADT: Average Daily Trips. E+C: Existing + Cumulative. E+C+P: Existing + Cumulative + Project. KSF: 1,000 Square Feet. V/C: Volume over Capacity. Cap. = Capacity. \*LOS E capacity at 10,000 ADT for 2 lanes with no fronting property and 30,000 ADT for 4 lanes with two way left turn lane from TSM Appendix F (included in Attachment E). SZA=Select Zone Assignment. Shading notes when Beyer Blvd (E. Beyer to Enright) needs to be widened to 4 lanes.

## PLANNING AREAS AND PHASING

The Southwest Village Specific Plan has 30 planning areas and seven planned phases. However, the phasing is a current estimate that can change due to the unknown timing of when other planning area owners will initiate their own development process. Therefore, future planning area development will be subject to discretionary review for consistency with the current Specific Plan Phasing and will be required to complete the Specific Plan onsite and off-site improvements needed to support their development. The necessary infrastructure and public facilities required for each phase of development shall both be constructed as part of the implementing project or may be necessary to construct upfront of an implementing project consistent with Specific Plan details included in **Attachment E**. The anticipated trip generation by phase is shown in **Table 3**. The planning areas are currently anticipated to be developed over seven phases.

**Table 3: Specific Plan Traffic Generation Implementation Table**

Phase & Land Use	Residential Trip Rates		Non-Residential Trip Rates		Daily Trips	AM Peak Hour Trips			PM Peak Hour Trips		
	IN	OUT	IN	OUT		IN	OUT	Total	IN	OUT	Total
<b>1</b> City SD Trip Rates: Single Family	10	/DU				20%	80%	8%	70%	30%	10%
	543	DU			5,430	87	347	434	380	63	543
	8	/DU				20%	80%	8%	70%	30%	10%
	490	DU			3,920	63	251	314	274	118	392
	6	/DU				20%	80%	8%	70%	30%	9%
Multi-Family < 20 du/ac	282	DU			1,692	27	108	135	106	46	152
Phase 1 Totals:	<b>1,315</b>	DU			<b>11,042</b>	177	706	<b>883</b>	761	326	<b>1,087</b>
<b>2</b> City SD Trip Rates: Single Family	10	/DU				20%	80%	8%	70%	30%	10%
	615	DU			6,150	98	394	492	431	185	615
	8	/DU				20%	80%	8%	70%	30%	10%
	237	DU			1,896	30	122	152	133	57	190
	2.9	/Student	600	Students	1,740	223	216	539	132	199	331
Elementary School (1)					50%	50%	4%	50%	50%	8%	
City SD Trip Rates: Developed Park			50	/Acre							
10.5	Acres			525	11	11	21	21	21	42	
Phase 2 Totals:	<b>852</b>	DU			<b>10,311</b>	463	742	<b>1,204</b>	717	461	<b>1,178</b>
<b>3</b> City SD Trip Rates: Multi-Family < 20 du/ac	8	/DU				20%	80%	8%	70%	30%	10%
	819	DU			6,552	105	419	524	459	197	655
	Phase 3 Totals:	<b>819</b>	DU			<b>6,552</b>	105	419	<b>524</b>	459	197
<b>4</b> City SD Trip Rates: Developed Park			50	/Acre		50%	50%	4%	50%	50%	8%
			7.1	Acres	355	7	7	14	14	14	28
			2.9	/Student		60%	40%	31%	40%	60%	19%
	608	Students	1,337	361	240	601	147	221	368		
City SD Trip Rates: Multi-Family < 20 du/ac	8	/DU				20%	80%	8%	70%	30%	10%
424	DU			3,392	54	217	271	237	102	339	
Phase 4 Totals:	<b>424</b>	DU			<b>5,684</b>	422	464	<b>886</b>	399	337	<b>735</b>
<b>5</b> City SD Trip Rates: Multi-Family < 20 du/ac	8	/DU				20%	80%	8%	70%	30%	10%
	266	DU			2,128	34	136	170	149	64	213
	Phase 5 Totals:	<b>266</b>	DU			<b>2,128</b>	34	136	<b>170</b>	149	64
<b>6</b> City SD Trip Rates: Multi-Family < 20 du/ac	8	/DU				20%	80%	8%	70%	30%	10%
	267	DU			2,136	34	137	171	150	64	214
	Phase 6 Totals:	<b>267</b>	DU			<b>2,136</b>	34	137	<b>171</b>	150	64
<b>7</b> City SD Trip Rates: Multi-Family < 20 du/ac	6	/DU				20%	80%	8%	70%	30%	9%
	1,187	DU			7,122	114	456	570	449	192	641
			70	/KSF		60%	40%	3%	50%	50%	10%
	175	KSF	12,250	221	147	368	613	613	1,226		
City SD Trip Rates: Community Shopping Cnt:											
Phase 7 Totals:	<b>1,187</b>	DU			<b>19,372</b>	335	603	<b>938</b>	1,062	800	<b>1,867</b>
Overall Target Density/Intensity:	5,130	DU	175	KSF Schools & Parks Comm.	57,225	1,569	3,208	4,777	3,695	2,253	5,948
<b>Total Remaining</b>	<b>5,130</b>	<b>DU</b>	<b>175</b>	<b>KSF Schools &amp; Parks Comm.</b>	<b>57,225</b>	<b>1,569</b>	<b>3,208</b>	<b>4,777</b>	<b>3,695</b>	<b>2,253</b>	<b>5,948</b>

Source: City of San Diego *Trip Generation Manual*, May 2003. DU: Dwelling Unit, KSF=1,000sf. Comm. = Commercial. (1) In the unlikely event a school is no longer needed on Planning Area 16, the site will default to Medium Density Residential use. Although the contingency for Planning Area 16 would result in approximately 136 additional dwelling units, the maximum dwelling unit cap of 5,130 units would still apply. (2) In the event a school is not needed on Planning Area 7, the site will default to Medium Density Residential Use.

**Table 3: Specific Plan Traffic Generation Implementation Table**

Phase & Land Use	Residential Trip Rates		Non-Residential Trip Rates		Daily Trips	AM Peak Hour Trips			PM Peak Hour Trips		
	IN	OUT	IN	OUT		IN	OUT	Total	IN	OUT	Total
1 City SD Trip Rates: Single Family	10	/DU				20%	80%	8%	70%	30%	10%
	543	DU			5,430	87	347	434	380	163	543
	8	/DU				20%	80%	8%	70%	30%	10%
	490	DU			3,920	63	251	314	274	118	392
City SD Trip Rates: Multi-Family < 20 du/ac	6	/DU				20%	80%	8%	70%	30%	9%
	282	DU			1,692	27	108	135	106	46	152
Phase 1 Totals:	<b>1,315</b>	DU			<b>11,042</b>	177	706	<b>883</b>	761	326	<b>1,087</b>
2 City SD Trip Rates: Single Family	10	/DU				20%	80%	8%	70%	30%	10%
	615	DU			6,150	98	394	492	431	185	615
	8	/DU				20%	80%	8%	70%	30%	10%
	237	DU			1,896	30	122	152	133	57	190
City SD Trip Rates: Elementary School (1)			2.9	/Student		60%	40%	31%	40%	60%	19%
			600	Students	1,740	323	216	539	132	199	331
City SD Trip Rates: Developed Park			50	/Acre		50%	50%	4%	50%	50%	8%
			10.5	Acres	525	11	11	21	21	21	42
Phase 2 Totals:	<b>852</b>	DU			<b>10,311</b>	463	742	<b>1,204</b>	717	461	<b>1,178</b>
3 City SD Trip Rates: Multi-Family < 20 du/ac	8	/DU				20%	80%	8%	70%	30%	10%
	819	DU			6,552	105	419	524	459	197	655
Phase 3 Totals:	<b>819</b>	DU			<b>6,552</b>	105	419	<b>524</b>	459	197	<b>655</b>
4 City SD Trip Rates: Developed Park			50	/Acre		50%	50%	4%	50%	50%	8%
			7.6	Acres	380	6	6	14	15	15	30
			2.9	/Student		60%	40%	31%	40%	60%	19%
City SD Trip Rates: Elementary School (2)			668	Students	1,937	361	240	601	147	221	368
City SD Trip Rates: Multi-Family < 20 du/ac	8	/DU				20%	80%	8%	70%	30%	10%
	384	DU			3,072	49	197	246	215	92	307
Phase 4 Totals:	<b>384</b>	DU			<b>5,389</b>	416	443	<b>861</b>	377	328	<b>705</b>
5 City SD Trip Rates: Multi-Family < 20 du/ac	8	/DU				20%	80%	8%	70%	30%	10%
	306	DU			2,448	39	157	196	172	74	245
Phase 5 Totals:	<b>306</b>	DU			<b>2,448</b>	39	157	<b>196</b>	172	74	<b>245</b>
6 City SD Trip Rates: Multi-Family < 20 du/ac	8	/DU				20%	80%	8%	70%	30%	10%
	267	DU			2,136	34	137	171	150	64	214
Phase 6 Totals:	<b>267</b>	DU			<b>2,136</b>	34	137	<b>171</b>	150	64	<b>214</b>
7 City SD Trip Rates: Multi-Family > 20 du/ac	6	/DU				20%	80%	8%	70%	30%	9%
	1,187	DU			7,122	114	456	570	449	192	641
			70	/KSF		60%	40%	3%	50%	50%	10%
City SD Trip Rates: Community Shopping Cnt:			175	KSF	12,250	221	147	368	613	613	1,226
Phase 7 Totals:	<b>1,187</b>	DU			<b>19,372</b>	335	603	<b>938</b>	1,062	805	<b>1,867</b>
Overall Target Density/Intensity:	5,130	DU	175	KSF Schools & Parks Comm.	57,250	1,569	3,208	4,777	3,696	2,254	5,950
<b>Total Remaining</b>	<b>5,130</b>	<b>DU</b>	<b>175</b>	<b>KSF Schools &amp; Parks Comm.</b>	<b>57,250</b>	<b>1,569</b>	<b>3,208</b>	<b>4,777</b>	<b>3,696</b>	<b>2,254</b>	<b>5,950</b>

Source: City of San Diego *Trip Generation Manual*, May 2003. DU: Dwelling Unit, KSF=1,000sf. Comm. = Commercial. (1) In the unlikely event a school is no longer needed on Planning Area 16, the site will default to Medium Density Residential use. Although the contingency for Planning Area 16 would result in approximately 136 additional dwelling units, the maximum dwelling unit cap of 5,130 units would still apply. (2) In the event a school is not needed on Planning Area 7, the site will default to Medium Density Residential Use.

## COMMUNITY ACCESS AND ON-SITE VEHICULAR CIRCULATION

Community access and on-site circulation classifications are based on two sources:

- 1) Arterial roadways of Beyer Blvd and Caliente Ave as proposed in the Otay Mesa and San Ysidro Community Plan Updates, and
- 2) Local internal roadway network being proposed as part of the Southwest Village Specific Plan.

The arterial roadways of Beyer Blvd and Caliente Ave were analyzed using volumes from the San Ysidro Community Plan Update (August 2016). The San Ysidro CPU horizon year Average Daily Traffic (ADT) was based on a Series 12 SANDAG traffic model forecast. The Otay Mesa Community Plan Update (March 2014) was not applied because it used an older Series 11 SANDAG traffic model forecast. The San Ysidro horizon year SANDAG volumes (included in **Attachment F**) were applied to the following arterial roadways:

- Beyer Blvd from Enright Dr to Caliente Ave: 28,100 ADT
- Caliente Ave from Airway Rd to Central Ave: 36,900 ADT
- Caliente Ave from Central Ave to Beyer Blvd: 29,200 ADT

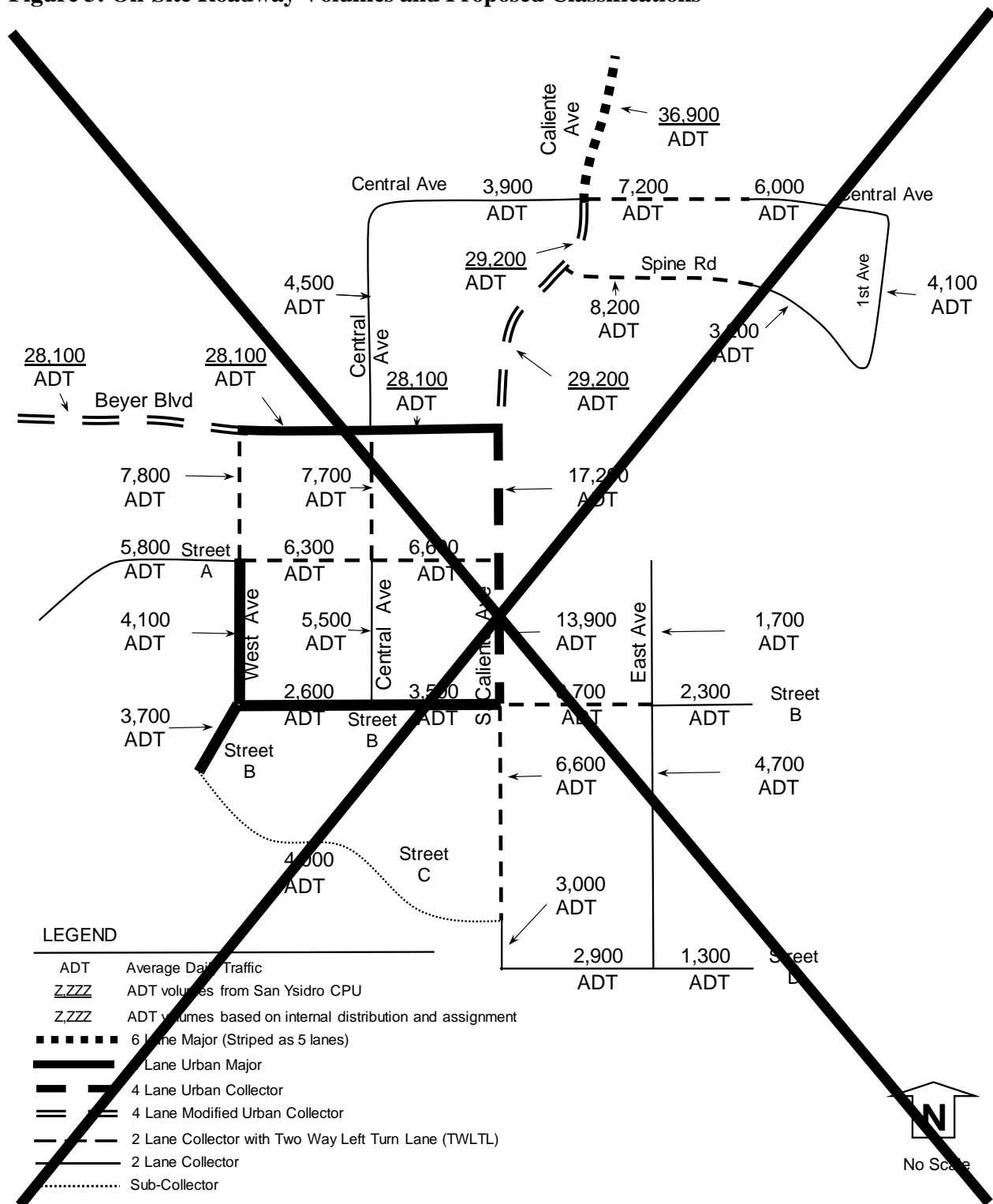
The local internal roadways were analyzed based on a manual internal distribution and assignment of individual Planning Areas. On-site roadway traffic distribution and assignment worksheets are included in **Attachment G**.

The following roadway classification were applied to support the forecasted roadway volumes:

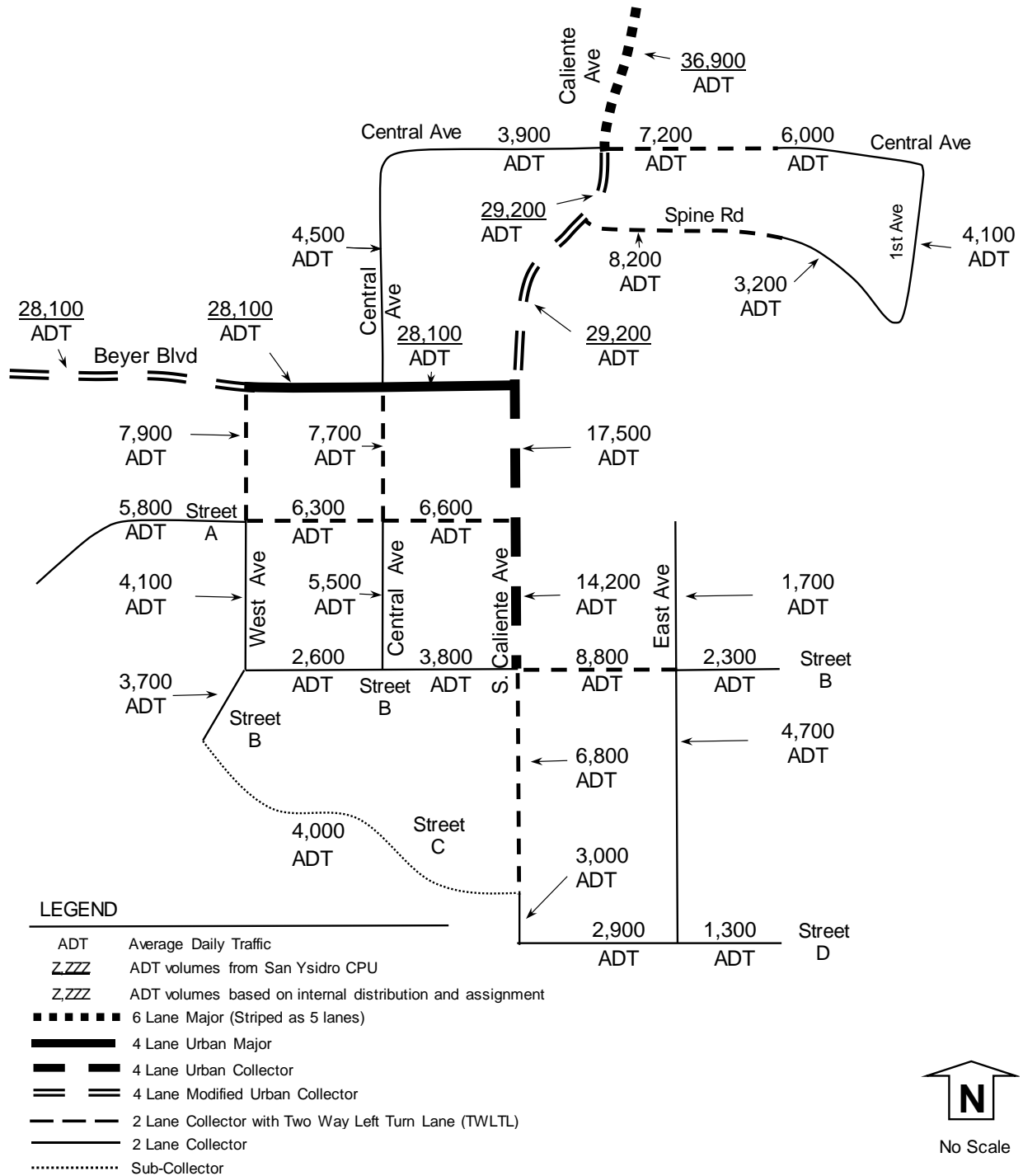
- Six Lane Major (striped as 5 lanes)
- Four Lane Urban Major
- Four Lane Urban Collector
- Four Lane Modified Urban Collector
- Two Lane Collector with two-way left turn lane.
- Two Lane Collector
- Sub-Collector

The assignment and proposed roadway classification are shown in **Figure 3** with the segment LOS calculations shown in **Table 3**.

**Figure 3: On-Site Roadway Volumes and Proposed Classifications**



**Figure 3: On-Site Roadway Volumes and Proposed Classifications**



**Table 3: On-Site Roadway Horizon Year Volumes and Level of Service**

Segment	Functional Classification	LOS E Capacity	Horizon Year ADT	V/C Ratio	Level of Service
<b><u>Beyer Blvd</u></b>					
Enright Dr to West Ave	4 Lane Modified Urban Collector	30,000	<u>28,100</u>	0.94	<b>E</b>
West Ave to Central Ave	4 Lane Urban Major	40,000	<u>28,100</u>	0.70	<b>C</b>
Central Ave to Caliente Ave	4 Lane Urban Major	40,000	<u>28,100</u>	0.70	<b>C</b>
<b><u>Caliente Ave</u></b>					
Airway Rd to Central Ave	6 Ln Major (Striped as 5 Ln)	45,000	<u>36,900</u>	0.82	<b>D</b>
Central Ave to Spine Rd	4 Lane Modified Urban Collector	30,000	<u>29,200</u>	0.97	<b>E</b>
Spine Rd to Beyer Blvd	4 Lane Modified Urban Collector	30,000	<u>29,200</u>	0.97	<b>E</b>
Beyer Blvd to Street A	4 Lane Urban Collector	30,000	17,200	0.57	<b>C</b>
Street A to Street B	4 Lane Urban Collector	30,000	13,900	0.46	<b>B</b>
Street B to Street C	2 Collector + TWLTL	15,000	6,600	0.44	<b>B</b>
Street C to Street D	2 Lane Collector	8,000	3,000	0.38	<b>B</b>
<b><u>Central Ave</u></b>					
West of 1st Ave	2 Lane Collector	8,000	6,000	0.75	<b>D</b>
East of Caliente Ave	2 Collector + TWLTL	15,000	7,200	0.48	<b>C</b>
West of Caliente Ave	2 Lane Collector	8,000	3,900	0.49	<b>C</b>
North of Beyer Blvd	2 Lane Collector	8,000	4,500	0.56	<b>C</b>
Beyer Blvd to Street A	2 Collector + TWLTL	15,000	7,700	0.51	<b>C</b>
Street A to Street B	2 Lane Collector	8,000	5,500	0.69	<b>D</b>
<b><u>East Ave</u></b>					
Street A to Street B	2 Lane Collector	8,000	1,700	0.21	<b>A</b>
Street B to Street D	2 Lane Collector	8,000	4,700	0.59	<b>C</b>
<b><u>Spine Rd</u></b>					
West Half	2 Collector + TWLTL	15,000	8,200	0.55	<b>C</b>
East Half	2 Lane Collector	8,000	3,200	0.40	<b>B</b>
<b><u>Street A</u></b>					
West of West Ave	2 Lane Collector	8,000	5,800	0.73	<b>D</b>
West Ave to Central Ave	2 Collector + TWLTL	15,000	6,300	0.42	<b>B</b>
Central Ave to Caliente Ave	2 Collector + TWLTL	15,000	6,600	0.44	<b>B</b>
<b><u>Street B</u></b>					
Street C to West Ave	2 Lane Collector	8,000	3,700	0.46	<b>C</b>
West Ave to Central Ave	2 Lane Collector	8,000	2,600	0.33	<b>B</b>
Central Ave to S. Caliente Ave	2 Lane Collector	8,000	3,200	0.44	<b>C</b>
S. Caliente Ave to East Ave	2 Collector + TWLTL	15,000	8,700	0.58	<b>C</b>
East of East Ave	2 Lane Collector	8,000	2,300	0.29	<b>A</b>
<b><u>Street C</u></b>					
West Ave to S. Caliente Ave	Sub-Collector	(1)	4,000	(1)	(2)
<b><u>Street D</u></b>					
S. Caliente Ave to East Ave	2 Lane Collector	8,000	2,900	0.36	<b>B</b>
East of East Ave	2 Lane Collector	8,000	1,300	0.16	<b>A</b>
<b><u>West Ave</u></b>					
Beyer Blvd to Street A	2 Collector + TWLTL	15,000	7,800	0.52	<b>C</b>
Street A to Street B	2 Lane Collector	8,000	4,100	0.51	<b>C</b>
<b><u>1st Ave</u></b>					
Central Ave to Spine Rd	2 Lane Collector	8,000	4,100	0.51	<b>C</b>

TWLTL: Two Way Left Turn Lane. BOLD indicates unacceptable LOS, which is due to environmental constraints that requires a reduced classification with a lower minimum curve radius to avoid sensitive habitat. Underlined ADT obtained from San Ysidro Community Plan Update SANDAG model. Remaining ADTs from internal distribution and assignments included in the Appendix. V/C: Volume to Capacity. (1) Sub-Collector LOS C threshold = 2,200 ADT. (2) Under capacity.

**Table 3: On-Site Roadway Horizon Year Volumes and Level of Service**

Segment	Functional Classification	LOS E Capacity	Horizon Year ADT	V/C Ratio	Level of Service
<b><u>Beyer Blvd</u></b>					
Enright Dr to West Ave	4 Lane Modified Urban Collector	30,000	<u>28,100</u>	0.94	<b>E</b>
West Ave to Central Ave	4 Lane Urban Major	40,000	<u>28,100</u>	0.70	<b>C</b>
Central Ave to Caliente Ave	4 Lane Urban Major	40,000	<u>28,100</u>	0.70	<b>C</b>
<b><u>Caliente Ave</u></b>					
Airway Rd to Central Ave	6 Ln Major (Striped as 5 Ln)	45,000	<u>36,900</u>	0.82	<b>D</b>
Central Ave to Spine Rd	4 Lane Modified Urban Collector	30,000	<u>29,200</u>	0.97	<b>E</b>
Spine Rd to Beyer Blvd	4 Lane Modified Urban Collector	30,000	<u>29,200</u>	0.97	<b>E</b>
Beyer Blvd to Street A	4 Lane Urban Collector	30,000	17,500	0.58	<b>C</b>
Street A to Street B	4 Lane Urban Collector	30,000	14,200	0.47	<b>C</b>
Street B to Street C	2 Collector + TWLTL	15,000	6,800	0.45	<b>B</b>
Street C to Street D	2 Lane Collector	8,000	3,000	0.38	<b>B</b>
<b><u>Central Ave</u></b>					
West of 1st Ave	2 Lane Collector	8,000	6,000	0.75	<b>D</b>
East of Caliente Ave	2 Collector + TWLTL	15,000	7,200	0.48	<b>C</b>
West of Caliente Ave	2 Lane Collector	8,000	3,900	0.49	<b>C</b>
North of Beyer Blvd	2 Lane Collector	8,000	4,500	0.56	<b>C</b>
Beyer Blvd to Street A	2 Collector + TWLTL	15,000	7,700	0.51	<b>C</b>
Street A to Street B	2 Lane Collector	8,000	5,500	0.69	<b>D</b>
<b><u>East Ave</u></b>					
Street A to Street B	2 Lane Collector	8,000	1,700	0.21	<b>A</b>
Street B to Street D	2 Lane Collector	8,000	4,700	0.59	<b>C</b>
<b><u>Spine Rd</u></b>					
West Half	2 Collector + TWLTL	15,000	8,200	0.55	<b>C</b>
East Half	2 Lane Collector	8,000	3,200	0.40	<b>B</b>
<b><u>Street A</u></b>					
West of West Ave	2 Lane Collector	8,000	5,800	0.73	<b>D</b>
West Ave to Central Ave	2 Collector + TWLTL	15,000	6,300	0.42	<b>B</b>
Central Ave to Caliente Ave	2 Collector + TWLTL	15,000	6,600	0.44	<b>B</b>
<b><u>Street B</u></b>					
Street C to West Ave	2 Lane Collector	8,000	3,700	0.46	<b>C</b>
West Ave to Central Ave	2 Lane Collector	8,000	2,600	0.33	<b>B</b>
Central Ave to S. Caliente Ave	2 Lane Collector	8,000	3,800	0.48	<b>C</b>
S. Caliente Ave to East Ave	2 Collector + TWLTL	15,000	8,800	0.59	<b>C</b>
East of East Ave	2 Lane Collector	8,000	2,300	0.29	<b>A</b>
<b><u>Street C</u></b>					
West Ave to S. Caliente Ave	Sub-Collector	(1)	4,000	(1)	(2)
<b><u>Street D</u></b>					
S. Caliente Ave to East Ave	2 Lane Collector	8,000	2,900	0.36	<b>B</b>
East of East Ave	2 Lane Collector	8,000	1,300	0.16	<b>A</b>
<b><u>West Ave</u></b>					
Beyer Blvd to Street A	2 Collector + TWLTL	15,000	7,900	0.53	<b>C</b>
Street A to Street B	2 Lane Collector	8,000	4,100	0.51	<b>C</b>
<b><u>1st Ave</u></b>					
Central Ave to Spine Rd	2 Lane Collector	8,000	4,100	0.51	<b>C</b>

TWLTL: Two Way Left Turn Lane. BOLD indicates unacceptable LOS, which is due to environmental constraints that requires a reduced classification with a lower minimum curve radius to avoid sensitive habitat. Underlined ADT obtained from San Ysidro Community Plan Update SANDAG model. Remaining ADTs from internal distribution and assignments included in the Appendix. V/C: Volume to Capacity. (1) Sub-Collector LOS C threshold = 2,200 ADT. (2) Under capacity.

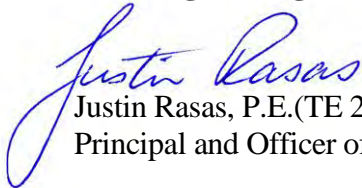
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## CONCLUSION

The Southwest Village Specific Plan provides a comprehensive policy framework intended to guide future development in Southwest Village, consistent with the City of San Diego - Otay Mesa Community Plan and City of Villages Strategy. The Specific Plan encompasses approximately 490 acres, will allow up to 5,130 attached and detached residences, and will facilitate creation of a new village anchored by up to 175,000 square feet of commercial and retail uses in a mixed-use Village Core. The timing along with the final number of homes and commercial space is unknown at this time; therefore, each Vesting Tentative Map will be subject to a discretionary review for consistency with the Specific Plan Subsequent EIR and will be required to prepare as needed LMA and VMT analyses.

The timing along with the final number of homes and commercial space is unknown at this time; therefore, each future Specific Plan Vesting Tentative Map will be subject to a discretionary review for consistency with the Specific Plan Subsequent EIR and will be required to prepare LMA and VMT analyses.

Sincerely,  
**LOS Engineering, Inc.**



Justin Rasas, P.E.(TE 2135), PTOE  
Principal and Officer of LOS Engineering, Inc.

Job 1733

Attachment A: Caliente Ave Downgrade Details

Attachment B: Beyer Blvd Downgrade Details

Attachment C: Excerpts from the San Ysidro Community Plan Update

Attachment D: SANDAG Series 13 Select Zone Assignment for SWV

Attachment E: Specific Plan Planning Area Phasing Details

Attachment F: San Ysidro Community Plan Update SANDAG Output

Attachment G: On-Site Roadway Trip Assignment Details



Attachment A

Caliente Ave Downgrade Details

**Support materials for Caliente Ave downgrade from a 6 Lane Major to a 4 Lane Urban Collector between Central Ave and Beyer Blvd.**

This segment of Caliente Ave can only be designed to a 4 Lane Urban Collector (with a minimum curve radius of 470 ft with 2% superelevation and design speed of 35 MPH) to avoid sensitive habitat and to be able to align with the intersection of Caliente Ave/Central Ave. Therefore, a downgrade is being proposed as part of the Southwest Village Specific Plan. A graphic of the alignment is shown on the next page.

A community buildout horizon year volume of 29,200 ADT for Caliente Ave between Central Ave and Beyer Blvd was obtained from the San Ysidro CPU EIR (SANDAG traffic model output included within the next few pages).

As a 4 Lane Urban Collector, this segment is calculated to operate at LOS E shown in **Table 1**.

**Table 1: Caliente Ave Downgrade LOS**

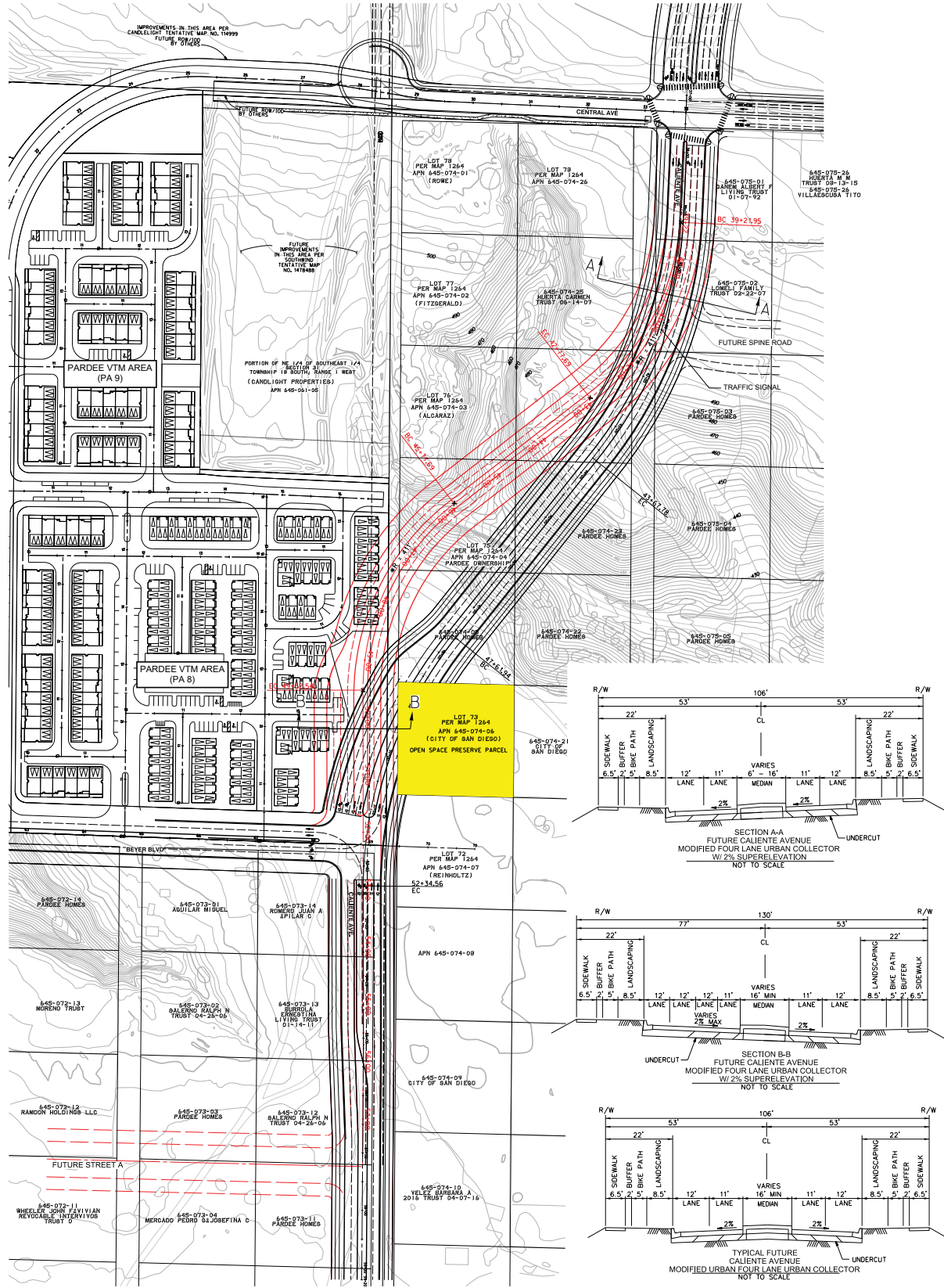
Segment	Classification & LOS E Capacity	Horizon Year ADT	V/C Ratio & LOS	CPU EIR Overrides
Caliente Ave (Central Ave to Beyer Blvd)	4 Lane Urban Collector 30,000 ADT	29,200	0.97 LOS E	Yes

The Otay Mesa CPU EIR identifies this segment as significant and unmitigated under community buildout Horizon Year conditions. This impact is considered significant, unavoidable, and consistent with the OM CPU EIR. Historical correspondence and excerpts from the OMCPU EIR are included on the next few pages.

# SOUTHWEST VILLAGE CALIENTE AVENUE ALIGNMENT ALTERNATIVE 2 -

ROADWAY ALIGNMENT AS A 4 LANE URBAN COLLECTOR

DESIGN SPEED = 35 MPH W/ 2% SUPERELEVATION



**EXHIBIT 2**

## Southwest Village SP Transportation Phasing Plan Attachments

**CLIENTE AVE. DESIGN REQUIREMENTS**  
 DESIGN SPEED - 35 mph  
 MAXIMUM GRADE - 8%  
 MINIMUM CURVE RADIUS:  
 610' WITH 2% CROWN CROSS SECTION  
 \* PER CALTRANS DESIGN MANUAL FIGURE 202.2  
 MINIMUM RADIUS WITH 2% SUPERELEVATION  
 IS 411 FEET.

# SANDAG Series 12 2035 Revenue Constrained 2011 RTP Highway Network Forecasted Daily Volumes

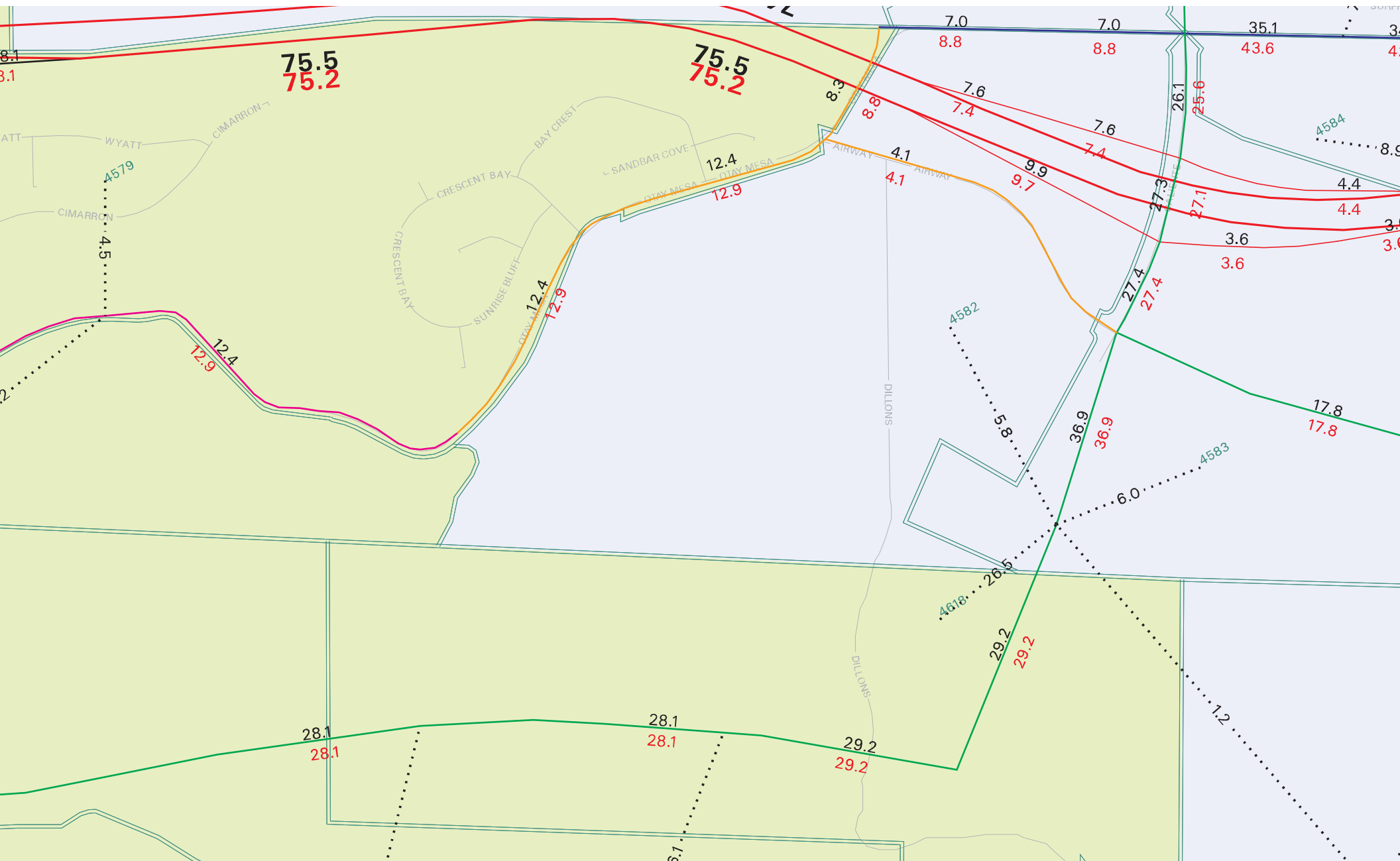
## SAN YSIDRO

Model Rerun 05/14/14  
San Ysidro CPU  
2035 Scenario D - Proposed LU 2, Hybrid Network

### Forecasted Volumes:

- # Adjusted Volume
- # Unadjusted Volume
- # Traffic Analysis Zone





**From** Brooke Peterson**Date** 5/8/2020, 10:52:18 AM**To** Shannon Baer**Cc****Subject** FW: Caliente/Beyer Follow Up [image001.jpg](#) (3 KB [HTML](#) )

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**From:** Brooke Peterson**Sent:** Thursday, May 7, 2020 3:14 PM**To:** Ghossain, George <GGhossain@sandiego.gov>**Subject:** Caliente/Beyer Follow Up

George,

I wanted to follow up on our discussion yesterday on two items.

First, thank you again for all your effort and coordination with City staff and Planning particularly, to confirm an agreed upon design for the realignment and downgrade of Caliente. Your willingness to work with us and City staff to find a solution was excellent and much appreciated. Based on your and Planning's concurrence with Alternative 3, we will proceed with redesign of the VTM and specific plan land use plan based on the down-grade of Caliente from the 6-land Urban Major identified in the Otay Mesa Community Plan to a 4-land Urban Collector with the Alternative 3 alignment and cross-section design.

Second, regarding your request for us to revise our design for Beyer Blvd. to accommodate a Class II bikeway in addition to our Class IV, I would appreciate asking yet again for some of your time to discuss. I recognize that we are working together to compromise from both the City and applicant side. I understand the political priorities and the focus and intent of the community plan – and the need to adhere and implement that intent. Understanding that however, I wanted to give you a more detailed description of the constraints I referred to and the implications of adding to the right-of-way (below) and then discuss when you are able.

- Our ROW is 90-ft. in our Beyer Blvd West of the project boundary and 106-ft. within the project boundary. Adding the Class II would add an additional 16-ft to the ROW.
- There is significant topography so 16 more feet would significantly increase the grading, cut/fill etc.
- Everything along Beyer between the project boundary to the San Ysidro boundary is MHPA, including the County of San Diego Furby Preserve. We have minimized our footprint of Beyer Rd from the very beginning in response to this to minimize MHPA and particularly conservation preserve lands.



## MEMORANDUM

DATE September 3, 2020

TO George Ghossain, City of San Diego, Transportation Department

FROM Brooke Peterson, Rick Engineering, Southwest Village Project Manager

SUBJECT Beyer Boulevard and Caliente Avenue Alignment Rationale for Southwest Village

PROJECT NUMBER PTS 614791

This memorandum is intended to document the rationale for the Beyer Boulevard and Caliente Avenue alignments and act as a baseline in which to reference in future coordination related to the transportation network of the Southwest Village. Considering the complexity and magnitude of the Southwest Village project, we believe it is worthwhile to summarize in written-form the methodologies and conclusions that have led to the currently proposed Beyer Blvd and Caliente Ave.

### I. Background

The alignments of Beyer Boulevard and Caliente Avenue in the Southwest Village Specific Plan Area (SPA) were first outlined in the Otay Mesa Community Plan Update (OMCPU). These roadways are key to the SPA as they are intended to be the two main points of direct access to the SPA from the surrounding communities to the north and west. The preparation of the Southwest Village Specific Plan prompted the need to engineer and finalize the alignments of Beyer Blvd and Caliente Ave. In doing so, Beyer Blvd and Caliente Ave have been designed and engineered to minimize and address various development constraints which has led to its current design.

The development constraints for Beyer Blvd include:

- Environmental and topographic challenges within Moody Canyon;
- Cut and fill quantity limitations;
- The Furby Preserve 100% Conserved parcel that bisects the Beyer Blvd alignment;
- County Multiple Habitat Conservation Plan (MHPA) designation;
- 90-foot Right-of-Way for Beyer Blvd West;
- The OMCPU designation of a 4-Lane Major Arterial.

The development constraints for Caliente Avenue include:

- The City-owned Vernal Pool Habitat Conservation Plan (VPHCP) 100% Conserved parcel to the east of Caliente Ave;
- The City's request to make the SPA a grid-system;
- Turning and speed limit minimums for the curved alignment of Caliente Ave;
- The OMCPU designation of a 6-Lane Major Arterial.

### II. Methodology

The OMCPU designated Beyer Blvd as a 4-Lane Major Arterial and Caliente Ave as a 6-Lane Major Arterial based on anticipated average daily trips (ADT), which was based on anticipated population within the SPA. With the preparation of the Southwest Village Specific Plan, development constraints and land use designations have lowered the number of anticipated residential units, thus lowering future ADT, compared to the OMCPU estimates. LOS Engineering

conducted modeling and analysis on the ADT caused by construction and buildout of the Southwest Village, and concluded that future conditions would result in 7,393 less average daily trips (ADT) than what was assumed in the OMCP. A meeting on March 11, 2020 was held with representatives from City Transportation, Mobility, and Long-Range Planning Departments to discuss and decide on a preferred method of classifying Beyer Blvd and Caliente Ave. The following conclusions were presented to the City on March 11, 2020 which support the preferred classifications of Beyer Blvd as a 4-Lane Urban Major Street and Caliente Ave as a 4-Lane Urban Collector:

- The Otay Mesa Community Plan (OMCP) has industrial land uses with an overall mix of 11% residential and 89% industrial/other. Most of the industrial uses are located in the center and eastern side of the community while residential is mostly in the west with some in the center of the community. The Otay Mesa Southwest Village is unique without industrial uses and in the far Southwest corner of the Community Plan.
- Truck routes/restriction do not appear to exist for Beyer Blvd and Caliente Ave. There are no industrial uses in the Southwest Village, thus there would be no reason for Otay Mesa commercial trips to use Beyer Blvd and Caliente Ave other than for local deliveries. Without the demand or cut-through needs for commercial traffic, Beyer Blvd and Caliente Ave would predominately be for Southwest Village retail and residential traffic, supporting a lower volume than shown in the OMCP.
- Since the OMCP, there have been multiple different projects, Central Village SPA, and the proposed Southwest Village, that have in combination reduced the number of residential units by 2,519 from the OMCP. Similarly, the more recent San Ysidro Community Plan Update (SYCPU) had a traffic model that included the Southwest Village, which included an ADT of 29.2k for Caliente Ave between Central Ave and Beyer Blvd, compared to the 46k ADT used in the OMCP.
- Cut through traffic on Beyer Blvd and Caliente Ave would result in a more circuitous route and more traffic signals than using SR-905 and I-805. Additionally, the cut through route would have the Caliente Ave interchange at SR-905, but no equivalent at the Beyer bridge over I-805. Therefore, a cut-through trip would end up in a San Ysidro neighborhood and not on I-805.

The preferred Caliente Ave alignment discussed at the March 11, 2020 meeting curves around the VPHCP parcel. The new curved alignment requires a speed reduction around the curve, affects the ability of Caliente Ave to be classified as a 4-Lane Urban Major Street. Thus, further justifying the downgrade of Caliente Ave to a 4-Lane Urban Collector.

Beyer Blvd was designed in its current alignment in order to best replicate the alignment identified in the OMCP, while minimizing adverse effects on resources in the area. The OMCP envisioned Beyer Blvd to be the secondary access road to the SPA, with Caliente Ave being the primary access road. To adequately alleviate vehicle trips on Caliente Ave, Beyer Blvd would need to be a straight shot from the San Ysidro community to the west. Therefore, Beyer Blvd was designed within the slope of Mood Canyon. Although the design of Beyer Blvd requires large quantities of grading and buttressing for the roadway, and bisects the Furby Preserve, the Applicant is working with wildlife agencies to find concurrence on the alignment of Beyer Blvd.

### III. Conclusions

In the March 11, 2020 meeting, City staff concurred that a downgrade to Caliente Ave from 4-Lane Major Arterial to a 4-Lane Urban Collector is the preferred method to maintain the grid system south of Central Ave, avoid mobility implications, maintain lot lines to the greatest extent feasible, and avoid impacting the VPHCP parcel adjacent to Caliente Ave. Upon providing concurrence on downgrading Caliente Ave from a 6M to a 4-Lane Urban Collector, the City requested the Applicant redesign Caliente Ave to have on-street Class II bike facilities with a two-foot buffer to facilitate the downgrade and speed limit reduction. This request has been accommodated. In addition, City Long Range staff suggested a traffic circle as a traffic calming measure at the intersection of Central Ave and Caliente Ave. It was discussed that considering the environmental documentation and VTM for a project north of Specific Plan boundary, there would be design and analysis implications with incorporating a traffic circle at that location. Thus, a

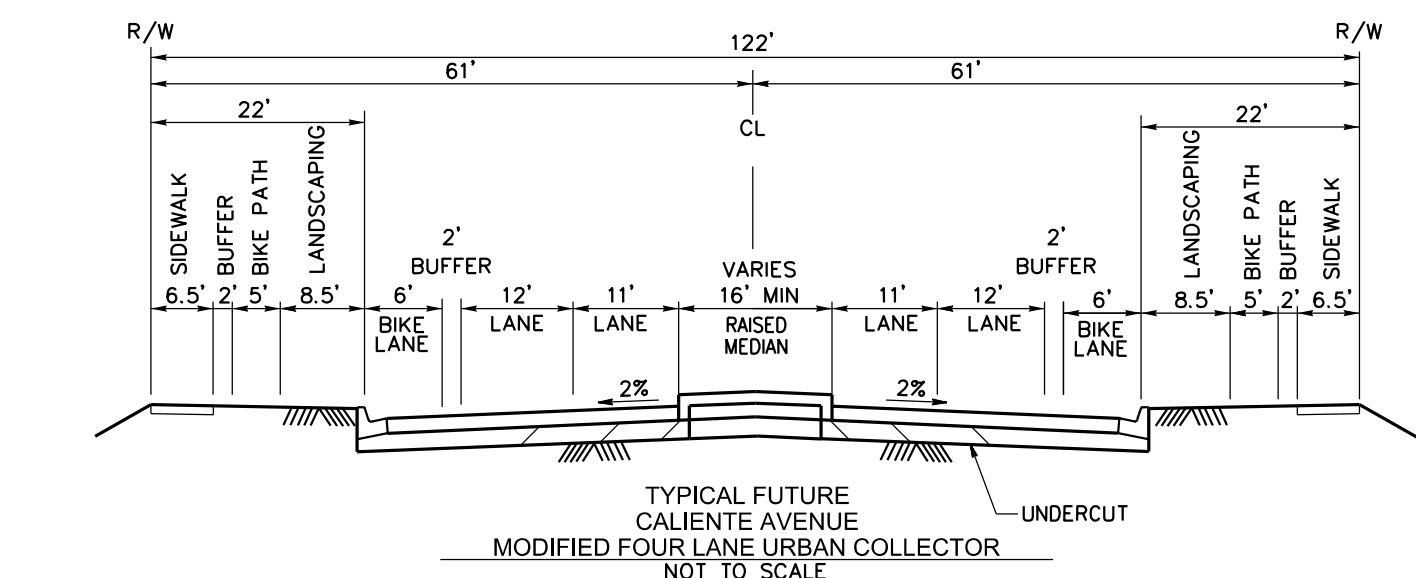
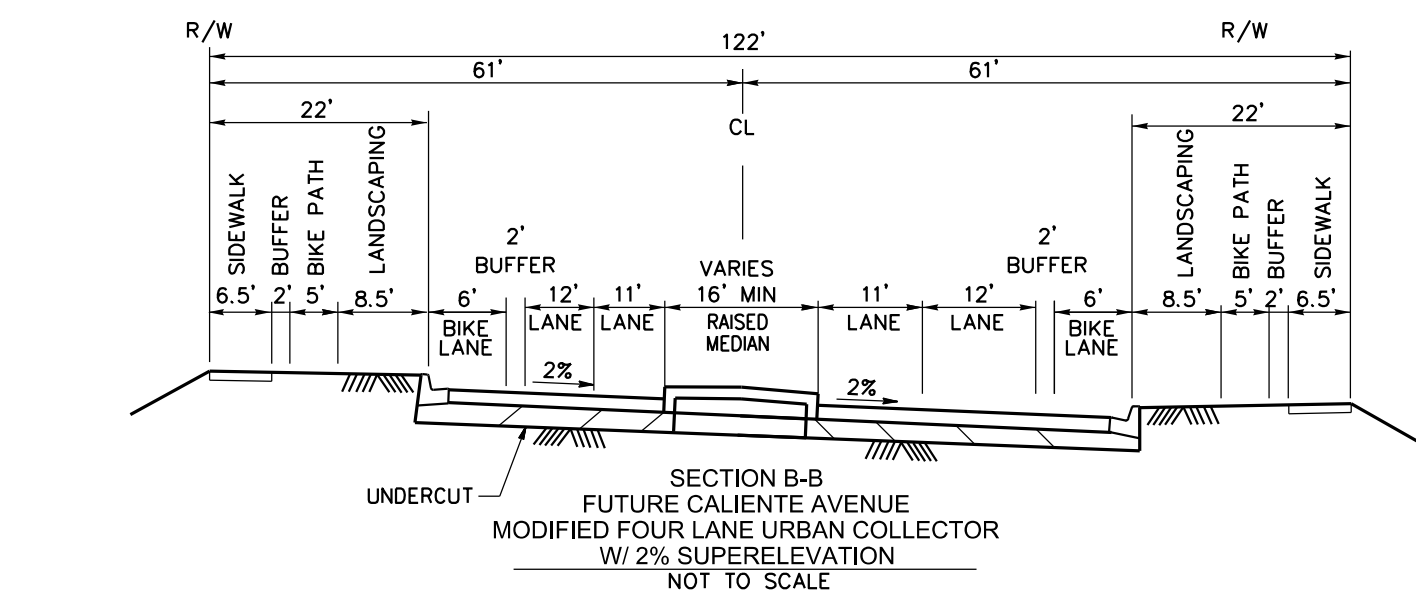
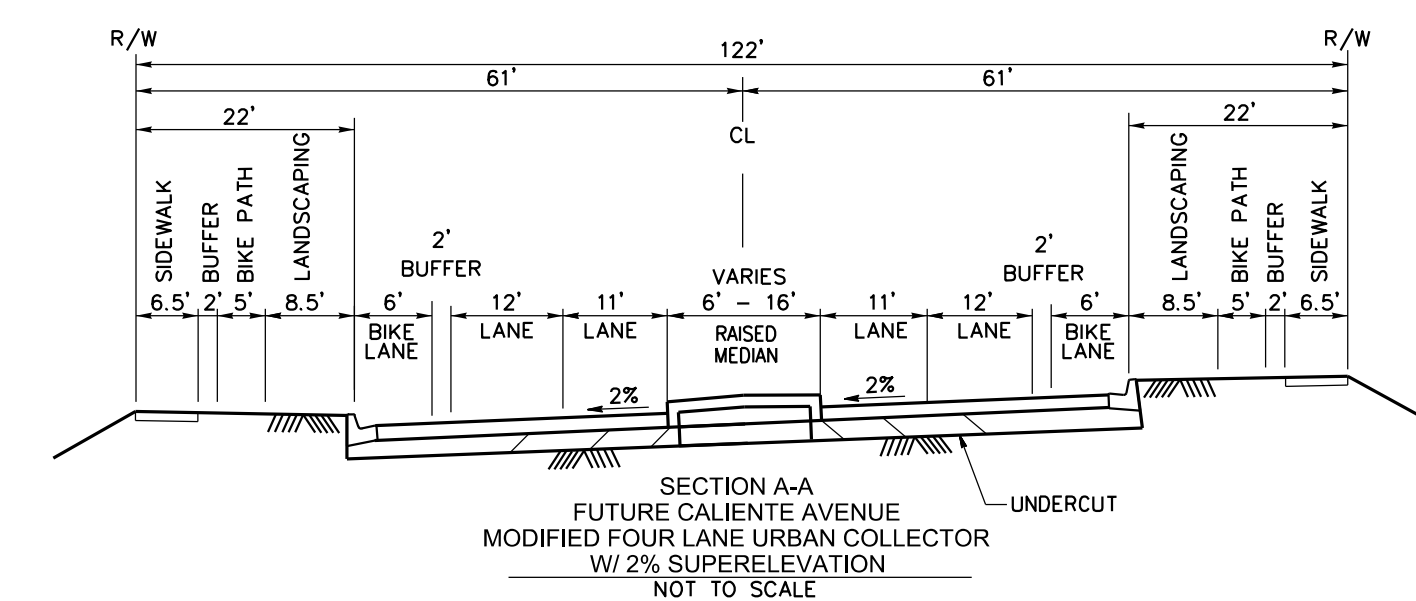
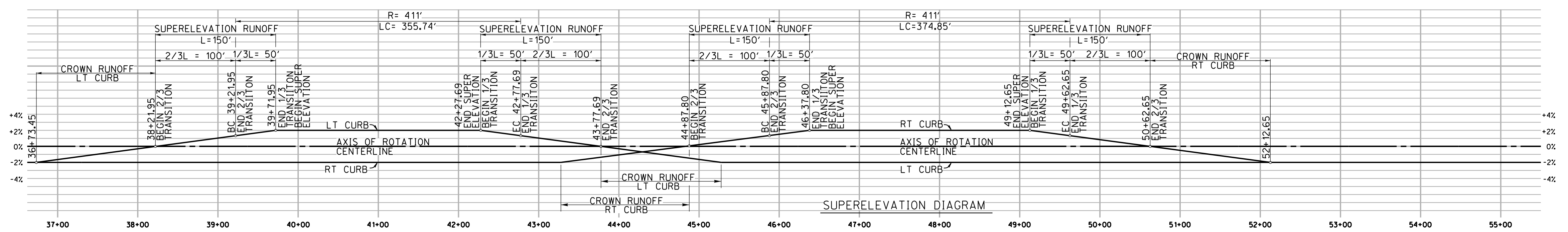
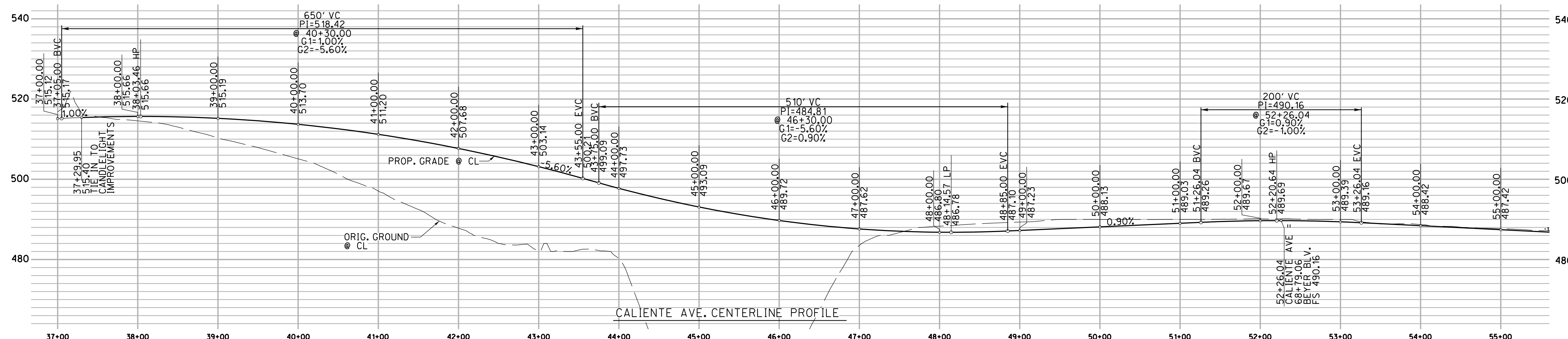
traffic circle at the intersection of Central Ave and Caliente Ave was not carried through in the current designs. See the currently proposed alignment, cross-sections, and elevations of Caliente Ave in Section IV Alignments, Elevations, and Cross-Sections.

After the City's concurrence with the classification of Beyer Blvd as a 4-Lane Urban Collector, the City requested Beyer Blvd to provide on-street Class II bike facilities with a two-foot buffer to facilitate the downgrade and align with the OMCPU. This request has been accommodated in the ROW by reducing the outside travel lane from 12 feet to 11 feet and the landscape strip in the parkway down to 6.5 feet. See the currently proposed alignment, cross-sections, and elevations of Beyer Blvd in Section IV Currently Proposed Cross-Sections.

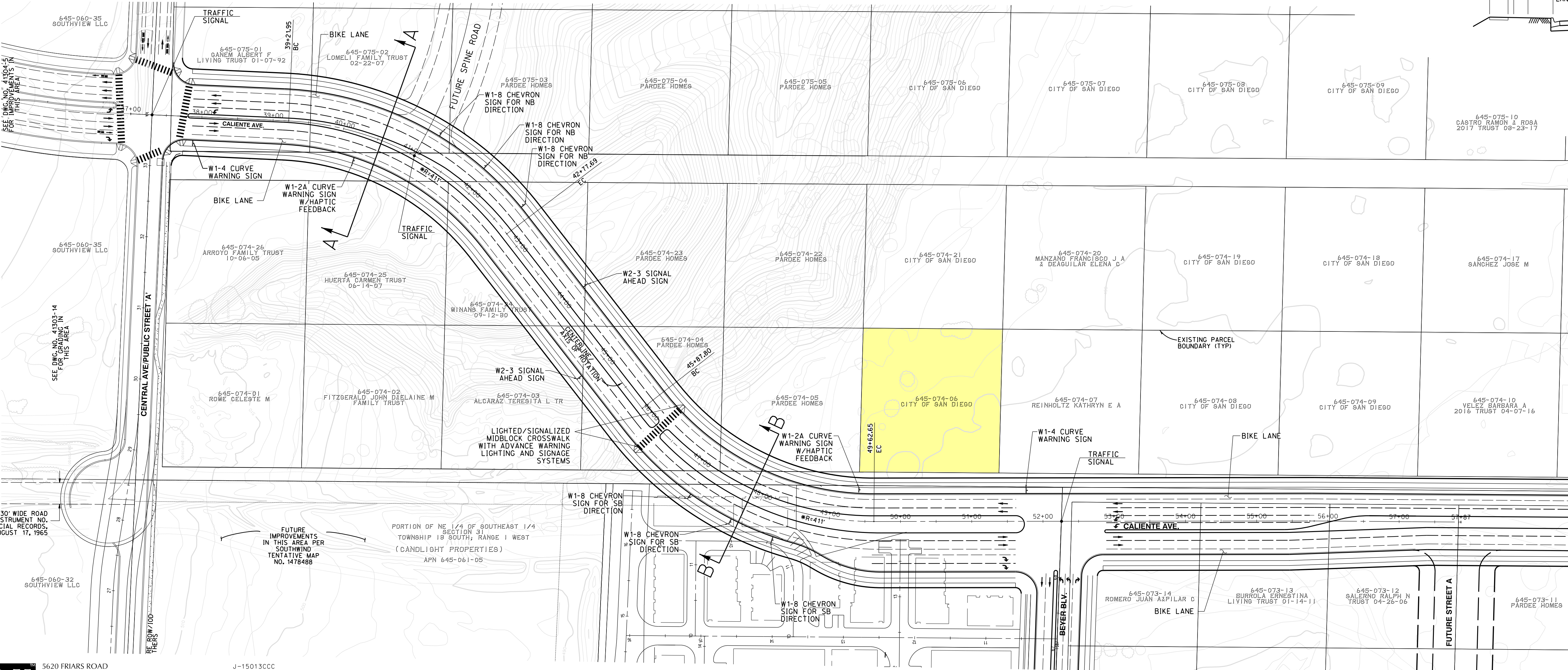
# SOUTHWEST VILLAGE - CALIENTE AVENUE ALTERNATIVE 3 LINE AND GRADE STUDY

## ROADWAY ALIGNMENT AS A 4 LANE URBAN COLLECTOR WITH BIKE LANE

### DESIGN SPEED=35MPH WITH 2% SUPERELEVATION

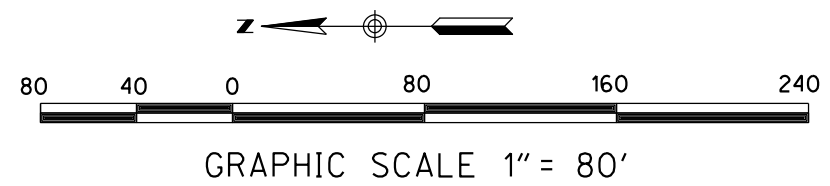


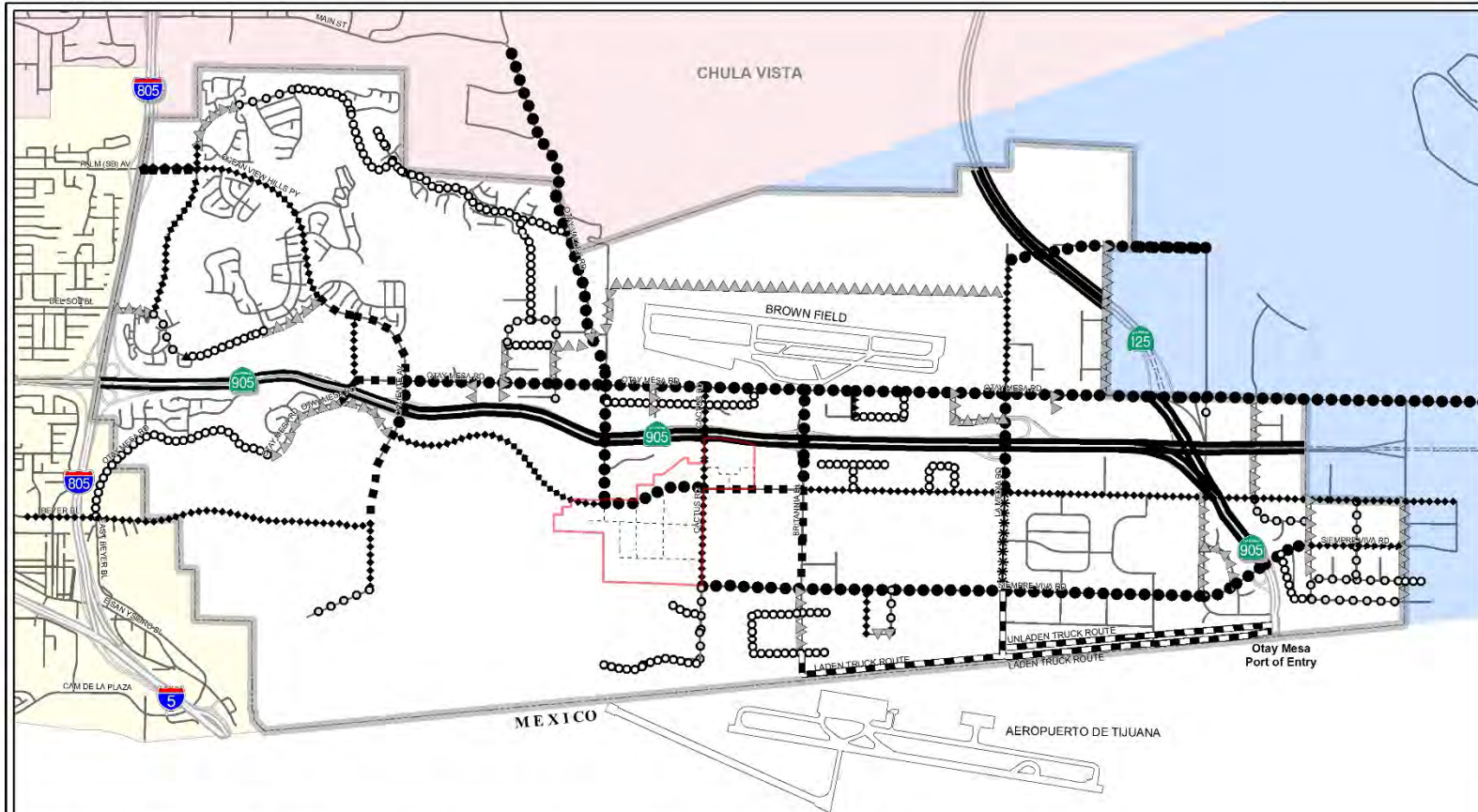
**CLIENTE AVE. DESIGN REQUIREMENTS**  
 DESIGN SPEED - 35 mph  
 MAXIMUM GRADE - 7%  
 MINIMUM CURVE RADIUS:  
 610' WITH 2% STANDARD CROWN CROSS SECTION  
 \* PER CALTRANS DESIGN MANUAL FIGURE 202.2  
 MINIMUM RADIUS WITH 2% SUPERELEVATION  
 IS 411 FEET.



### SIGNAGE LEGEND

- W1-4 CURVE WARNING SIGN
- W1-2A CURVE WARNING WITH HAPTIC FEEDBACK
- W1-8 CHEVRON SIGN
- W2-3 SIGNAL AHEAD SIGN





- \*2-C= 2-lane Collector (without left turn lane)
- 2-CL= 2-lane Collector (with left turn lane)
- 4-C= 4-lane Collector (without left turn lane)
- 4-CL= 4-lane Collector (with left turn lane)
- 4-M = 4-lane Major Arterial
- 5-M = 5-lane Major Arterial
- 6-M = 6-lane Major Arterial
- 6-PA = 6-lane Primary Arterial
- 7-PA = 7-lane Primary Arterial
- F= Freeway
- TR= Truck Route

**OTAY MESA ROADWAY CLASSIFICATION - Figure 3-2**



**Legend**

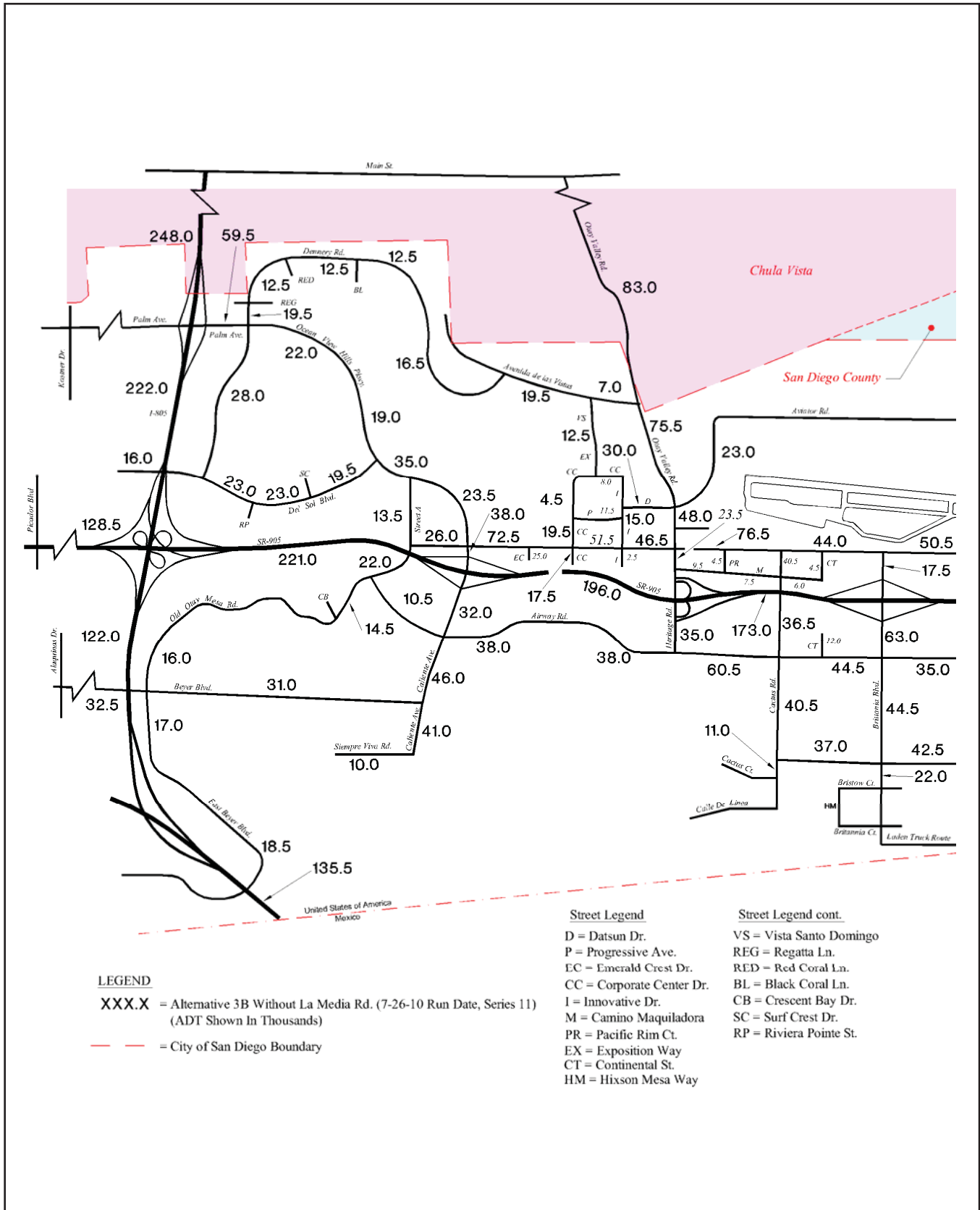
- 2-C\*
- ▲-▲-▲-▲ 4-C\*
- ◆-◆-◆-◆ 4-M\*
- 6-M\*
- 7-PA\*
- — — — — TR\*
- 2-CL\*
- ▲-▲-▲-▲ 4-CL\*
- ◆-◆-◆-◆ 5-M\*
- 6-PA\*
- — — — — F\*
- Central Village Boundary
- Refer to Central Village Specific Plan for additional detail and Roadway Classification

NOTE: For illustrative purposes only does not reflect future alignments.

Scale: 0 400 800 1200 1600 Feet

GIS

THIS MAP IS PROVIDED WITHOUT WARRANTY OF ANY KIND. IT IS FOR INFORMATIONAL PURPOSES ONLY AND IS NOT TO BE USED FOR ANY PURPOSES OTHER THAN THAT FOR WHICH IT WAS PREPARED. THE USER ASSUMES ALL LIABILITY FOR ANY DAMAGE OR LOSS OF PROFITS, BUSINESS, REVENUE, OR OTHER ECONOMIC LOSS, OR FOR ANY OTHER DAMAGES, INCLUDING CONSEQUENTIAL, PUNITIVE, OR SPECIAL DAMAGES, ARISING FROM THE USE OF THIS MAP. THE USER SHALL INDEMNIFY AND HOLD THE CITY OF SAN DIEGO HARMLESS FROM AND AGAINST ALL SUCH DAMAGES, INCLUDING REASONABLE ATTORNEY'S FEES AND COSTS OF DEFENSE.



Not to Scale

**FIGURE 5.12-3a**  
Horizon Year Plus CPU Condition Roadway Segment Volumes (West)

**TABLE 5.12-5  
CPU HORIZON YEAR ROADWAY SEGMENT LEVEL OF SERVICE  
(continued)**

Street	Segment	Horizon Year					Horizon Year with CPU			Sig?
		Class <sup>1</sup>	LOS E ADT <sup>2</sup>	Segment ADT	V/C	LOS	New Class	New V/C	New LOS	
Palm Ave.	I-805 to Dennery Rd.	7-PA	65,000	59,500	0.92	D	-	-	-	N
Ocean View Hills Parkway	Dennery Rd. to Del Sol Blvd.	4-M	40,000	22,000	0.55	C	-	-	-	N
	Del Sol Blvd. to Street "A"	6-M	50,000	35,000	0.70	C	-	-	-	N
	Street "A" to Otay Mesa Rd.	6-M	50,000	23,500	0.42	B	-	-	-	N
Caliente Avenue	Otay Mesa Rd. to SR-905	6-M	50,000	38,000	0.76	C	6-PA	0.63	C	N
	SR-905 to Airway Rd.	6-M	50,000	32,000	0.64	C	6-PA	0.53	B	N
	Airway Rd. to Beyer Blvd.	4-M	40,000	46,000	1.15	F	6-M	0.92	E	Y
	Beyer Blvd. to Siempre Viva Rd.	4-M	40,000	41,000	1.03	F	-	-	-	Y
Beyer Boulevard	Alaquinas Dr. to Old Otay Mesa Rd. Old Otay Mesa Rd. to Caliente Ave. <sup>3</sup>	4-M	40,000	32,500	0.81	D	-	-	-	N
		4-M	40,000	31,000	0.78	D	-	-	-	N
Heritage Road/ Otay Valley Road	Main St. to Avenida de Las Vistas**	6-PA	60,000	83,000	1.38	F	-	-	-	Y
	Avenida De Las Vistas to Datsun St.	6-M	50,000	75,500	1.51	F	6-PA	1.26	F	Y
	Datsun St. to Otay Mesa Rd.	6-M	50,000	48,000	0.96	E	6-PA	0.80	C	N
	Otay Mesa Rd. to SR-905	6-M	50,000	23,500	0.47	B	6-PA	0.39	A	N
	SR-905 to Airway Rd.	6-M	50,000	35,000	0.70	C	6-PA	0.58	B	N
Cactus Road	Otay Mesa Rd. to Airway Rd.	4-CL	30,000	40,500	1.35	F	4-M	1.01	F	Y
	Airway Rd. to Siempre Viva Rd.	4-CL	30,000	40,500	1.35	F	4-M	1.01	F	Y
	Siempre Viva Rd. to South End	2-CL	15,000	11,000	0.73	D	-	-	-	N
Britannia Boulevard	Otay Mesa Rd. to SR-905	4-M	40,000	17,500	0.44	B	6-PA	0.29	A	N
	SR-905 to Airway Rd.	4-M	40,000	63,000	1.58	F	6-PA	1.05	F	Y
	Airway Rd. to Siempre Viva Rd.	4-M	40,000	44,500	1.11	F	6-M	0.89	D	N
	Siempre Viva Rd. to South End	2-C	8,000	22,000	2.75	F	4-CL	0.73	D	N
La Media Road	Birch Rd. to Lone Star Rd.**	6-PA	60,000	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Lone Star Rd. to Aviator Rd.	6-PA	60,000	19,500	0.33	A	4-M	0.49	B	N
	Aviator Rd. to Otay Mesa Rd.	6-PA	60,000	22,500	0.38	A	4-M	0.56	C	N
	Otay Mesa Rd. to SR-905	6-PA	60,000	37,500	0.63	C	-	-	-	N
	SR-905 to Airway Rd.	6-PA	60,000	64,000	1.06	F	-	-	-	Y
	Airway Rd. to Siempre Viva Rd.	4-M	40,000	33,000	0.83	D	5-M	0.73	C	N
Harvest Road	South of Otay Mesa Rd.	4-M	40,000	8,500	0.21	A	2-CL	0.57	C	N
	Airway Rd. to Otay Center Dr.	4-M	40,000	16,000	0.40	B	4-CL	0.53	C	N
	Otay Center Dr. to Siempre Viva Rd.	4-M	40,000	10,000	0.25	A	4-CL	0.33	A	N
Enrico Fermi Drive	SR-11 to Airway Rd.*	4-M	40,000	15,500	0.62	B	-	-	-	N
	Airway Rd. to Siempre Viva Rd.	4-M	40,000	8,000	0.20	A	4-CL	0.27	A	N
	Siempre Viva Rd. to Via de la Amistad	4-M	40,000	10,500	0.26	A	4-CL	0.35	B	N

However, due to the uncertainty associated with implementing freeway ramp improvements, and uncertainty related to implementation of TDM measures, the freeway ramp impacts associated with the CPU would remain significant and unavoidable unmitigated at the program-level.

#### 5.12.3.4 Significance After Mitigation

##### a. Roadway Segments

Implementation of roadway segment improvements proposed as part of the CPU (see Section 5.12.3.1(a) above) would resolve several traffic impacts that would occur under the Horizon Year. However, 24 significant impacts as shown in Table 5.12-5 would remain unavoidable unmitigated and would operate unacceptably in the Horizon Year plus CPU Condition as shown below-;

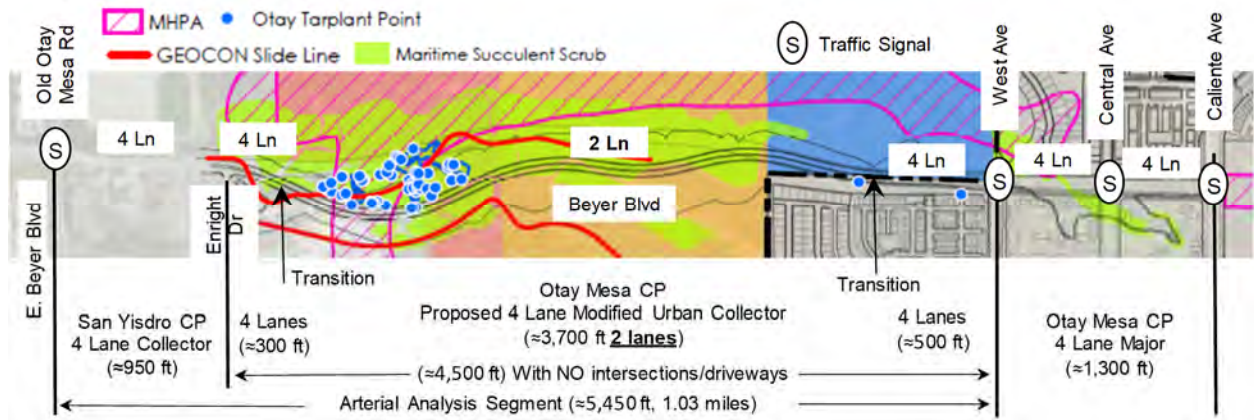
1. Otay Mesa Road, Caliente Ave. to Corporate Center Dr.
2. Otay Mesa Road, Heritage Rd. to Cactus Rd.
3. Airway Road, Caliente Ave. to Heritage Rd.
4. Airway Road, Heritage Rd. to Cactus Rd.
5. Siempre Viva Road, Otay Center Dr. to SR-905
6. Siempre Viva Road, SR-905 to Paseo de las Americas
7. Caliente Avenue, Airway Rd. to Beyer Blvd.
8. Caliente Avenue, Beyer Blvd. to Siempre Viva Rd.
9. Heritage Road/Otay Valley Road, Main St. to Avenida de Las Vistas
10. Heritage Road/Otay Valley Road, Avenida de las Vistas to Datsun St.
11. Cactus Road, Otay Mesa Rd. to Airway Rd.
12. Cactus Road, Airway Rd. to Siempre Viva Rd.
13. Britannia Boulevard, SR-905 to Airway Rd.
14. La Media Road, SR-905 to Airway Rd.
15. Dennery Road, Black Coral Ln. to East End
16. Avenida de las Vistas, Vista Santo Domingo to Dennery Rd.
17. Del Sol Boulevard, Surf Crest Dr. to Riviera Pointe
18. Del Sol Boulevard, Riviera Pointe to Dennery Rd.
19. Old Otay Mesa Road, Crescent Bay Dr. to Beyer Blvd.
20. Camino Maquiladora, Heritage Rd. to Pacific Rim Ct.
21. Camino Maquiladora, Pacific Rim Ct. to Cactus Rd.
22. Progressive Avenue, Corporate Center Dr. to Innovative Dr.
23. Datsun Street, Innovative Dr. to Heritage Rd.
24. Exposition Way/Vista Santo Domingo, Avenida de las Vistas to Corporate Center Dr.

Attachment B

Beyer Blvd Downgrade Details

# Beyer Blvd Horizon Year Arterial Analysis (LOS Engineering, Inc.)

Purpose: To find a solution to support a 2-lane cross section across environmentally sensitive lands regulated by a non-City of San Diego jurisdiction. Horizon year arterial analysis from Old Otay Mesa Rd/E. Beyer Blvd to Caliente Ave as shown.



The proposed Beyer Blvd alignment and section with 2 lanes is shown on the next page.

The horizon year intersection volumes for Beyer/E. Beyer/Otay Mesa Rd were obtained from the San Ysidro CPU EIR. This horizon year volumes set is higher over existing volumes by 310% AM and 411% PM. Therefore, this intersection was expanded in Synchro beyond the available right-of-way to reach acceptable LOS with the horizon year volumes.

The San Ysidro CPU EIR did not expand this intersection to accommodate the volumes and listed this intersection as failing with overrides. Following this Arterial Analysis is a Supplemental Analysis that provides the percentage of horizon year volumes that can be accommodated within the existing right-of-way and within the anticipated right-of-way that is typically required for the respective roadway approach classifications.

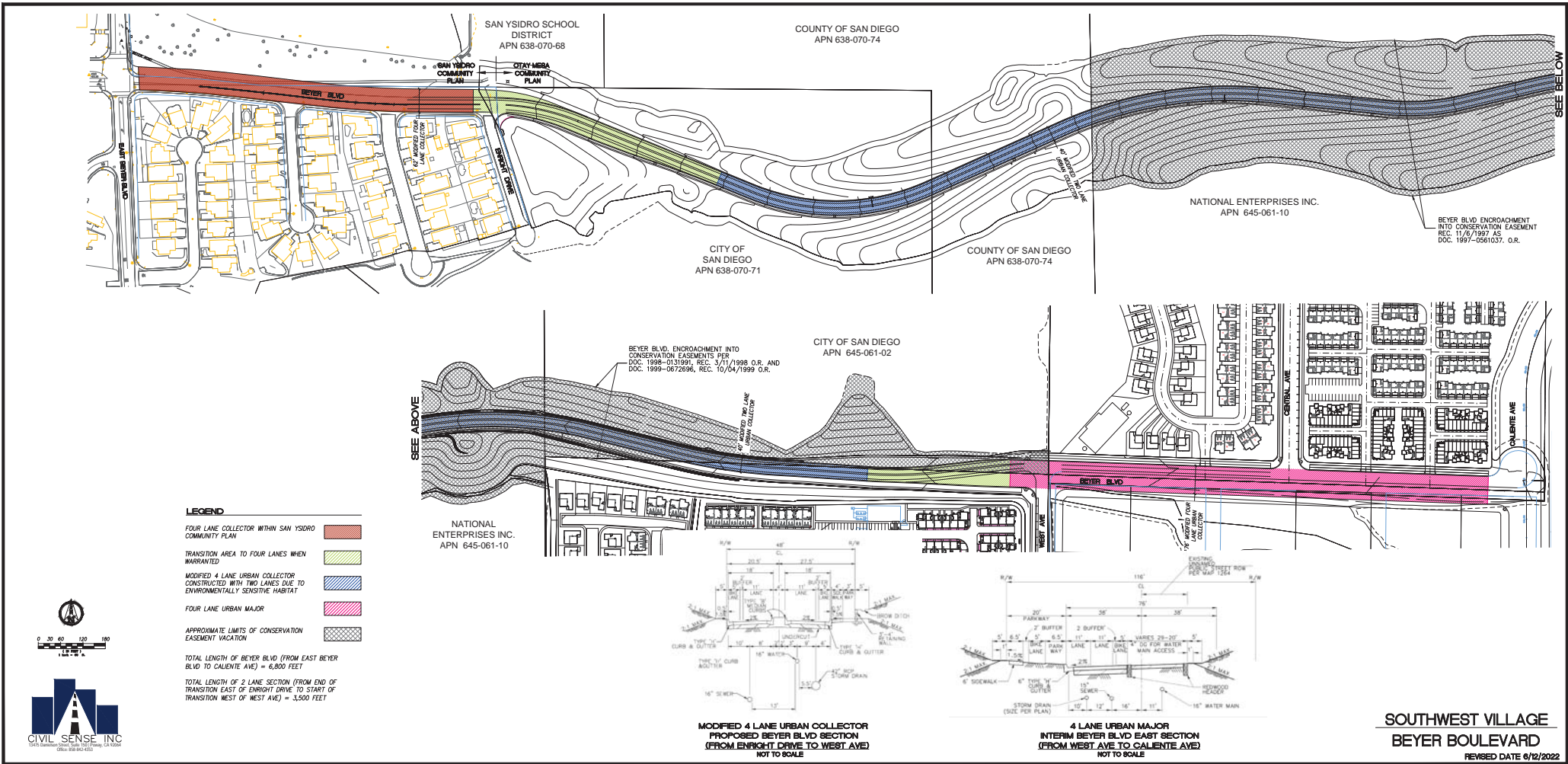
Expanding the intersection at Beyer/E. Beyer/Otay Mesa Rd (west end) and the proposed lane configuration along the three signalized intersection in Southwest Village (east end) to match the proposed classification along with 5,130 homes for Southwest Village (max units), the arterial speeds and the intersections at both ends of this arterial analysis are at acceptable LOS as shown below.

## Horizon Year Beyer Blvd Arterial Analysis LOS and Speeds

Beyer Blvd 35 MPH	2 Lanes (≈3,700 ft Enright Dr to West Ave) Overall Segment ≈6,750 ft
AM EB	LOS A 31.1 MPH (Enright Dr to West Ave) & Overall Segment = LOS D
AM WB	LOS C 22.1 MPH (West Ave to Enright Dr) & Overall Segment = LOS C
PM EB	LOS B 27.5 MPH (Enright Dr to West Ave) & Overall Segment = LOS D
PM WB	LOS B 27.7 MPH (West Ave to Enright Dr) & Overall Segment = LOS C
West end Old Otay signal LOS D/D (AM/PM)      East end Caliente signal LOS B/B (AM/PM)	

Design speed of 35 MPH from Street Design Manual for a Four Lane Urban Collector

Attachments



## Arterial Level of Service: EB Beyer Blvd

Cross Street	Arterial Class	Flow Speed	Running Time	Signal Delay	Travel Time (s)	Dist (mi)	Arterial Speed	Arterial LOS
E Beyer Blvd	III	35	14.6	91.7	106.3	0.11	3.7	F
West Ave	III	35	106.1	13.2	119.3	1.03	31.1	A
Central Ave	III	35	17.0	26.0	43.0	0.13	11.1	E
Caliente Ave	III	35	15.4	18.4	33.8	0.11	12.1	E
Total	III		153.1	149.3	302.4	1.39	16.5	D

## Arterial Level of Service: WB Beyer Blvd

Cross Street	Arterial Class	Flow Speed	Running Time	Signal Delay	Travel Time (s)	Dist (mi)	Arterial Speed	Arterial LOS
Central Ave	III	35	15.4	21.7	37.1	0.11	11.1	E
West Ave	III	35	17.0	10.7	27.7	0.13	17.3	D
Otay Mesa Rd	III	35	106.1	61.9	168.0	1.03	22.1	C
Total	III		138.5	94.3	232.8	1.28	19.8	C

Arterial Level of Service: EB Beyer Blvd

Cross Street	Arterial Class	Flow Speed	Running Time	Signal Delay	Travel Time (s)	Dist (mi)	Arterial Speed	Arterial LOS
E Beyer Blvd	III	35	14.6	73.9	88.5	0.11	4.4	F
West Ave	III	35	106.1	28.9	135.0	1.03	27.5	B
Central Ave	III	35	17.0	69.9	86.9	0.13	5.5	F
Caliente Ave	III	35	15.4	24.1	39.5	0.11	10.4	E
Total	III		153.1	196.8	349.9	1.39	14.3	D

Arterial Level of Service: WB Beyer Blvd

Cross Street	Arterial Class	Flow Speed	Running Time	Signal Delay	Travel Time (s)	Dist (mi)	Arterial Speed	Arterial LOS
Central Ave	III	35	15.4	26.3	41.7	0.11	9.8	F
West Ave	III	35	17.0	5.7	22.7	0.13	21.1	C
Otay Mesa Rd	III	35	106.1	28.0	134.1	1.03	27.7	B
Total	III		138.5	60.0	198.5	1.28	23.2	C

AM Horizon Year

1: E Beyer Blvd/Otay Mesa Rd & Beyer Blvd

HCM 6th Signalized Intersection Summary

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	564	802	340	866	920	218	466	372	808	133	265	508
Future Volume (veh/h)	564	802	340	866	920	218	466	372	808	133	265	508
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.92	1.00		0.96	1.00		0.88	1.00		0.96
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	613	872	370	941	1000	237	507	404	878	145	288	280
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	688	952	1167	893	1174	665	595	745	1234	181	502	934
Arrive On Green	0.20	0.27	0.27	0.26	0.33	0.33	0.17	0.21	0.21	0.10	0.14	0.14
Sat Flow, veh/h	3456	3554	2562	3456	3554	1525	3456	3554	2446	1781	3554	2678
Grp Volume(v), veh/h	613	872	370	941	1000	237	507	404	878	145	288	280
Grp Sat Flow(s),veh/h/ln	1728	1777	1281	1728	1777	1525	1728	1777	1223	1781	1777	1339
Q Serve(g_s), s	21.5	29.6	11.7	32.1	32.6	13.0	17.7	12.6	26.0	9.9	9.4	9.6
Cycle Q Clear(g_c), s	21.5	29.6	11.7	32.1	32.6	13.0	17.7	12.6	26.0	9.9	9.4	9.6
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	688	952	1167	893	1174	665	595	745	1234	181	502	934
V/C Ratio(X)	0.89	0.92	0.32	1.05	0.85	0.36	0.85	0.54	0.71	0.80	0.57	0.30
Avail Cap(c_a), veh/h	826	952	1167	893	1174	665	718	745	1234	483	970	1286
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	48.4	44.1	22.8	46.1	38.7	23.7	49.9	43.8	27.3	54.6	49.8	30.2
Incr Delay (d2), s/veh	10.5	14.8	0.7	45.3	6.1	0.3	9.7	1.2	2.3	13.1	1.8	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	10.0	14.5	3.5	19.2	14.9	4.6	8.2	5.5	10.4	5.0	4.2	3.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	58.9	58.9	23.5	91.4	44.9	24.1	59.6	45.0	29.5	67.7	51.6	30.5
LnGrp LOS	E	E	C	F	D	C	E	D	C	E	D	C
Approach Vol, veh/h		1855			2178			1789			713	
Approach Delay, s/veh		51.8			62.7			41.5			46.6	
Approach LOS		D			E			D			D	
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G + Y + Rc), s	37.0	38.2	26.3	22.8	29.2	46.0	17.8	31.2				
Change Period (Y + Rc), s	4.9	4.9	4.9	5.2	4.5	4.9	5.2	* 5.2				
Max Green Setting (Gmax), s	32.1	33.3	25.8	33.9	29.7	36.1	33.7	* 26				
Max Q Clear Time (g_c + I1), s	34.1	31.6	19.7	11.6	23.5	34.6	11.9	28.0				
Green Ext Time (p_c), s	0.0	1.1	1.7	4.8	1.3	1.1	0.7	0.0				
<b>Intersection Summary</b>												
HCM 6th Ctrl Delay			52.1									
HCM 6th LOS			D									

AM Horizon Year  
2: West Ave & Beyer Blvd

HCM 6th Signalized Intersection Summary























Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↑↓		↙	↑↑	↘	↗
Traffic Volume (veh/h)	275	136	54	773	326	163
Future Volume (veh/h)	275	136	54	773	326	163
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		1.00	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	299	148	59	840	354	177
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	584	282	90	1559	512	456
Arrive On Green	0.25	0.25	0.05	0.44	0.29	0.29
Sat Flow, veh/h	2417	1122	1781	3647	1781	1585
Grp Volume(v), veh/h	227	220	59	840	354	177
Grp Sat Flow(s),veh/h/ln	1777	1668	1781	1777	1781	1585
Q Serve(g_s), s	3.6	3.7	1.1	5.7	5.8	2.9
Cycle Q Clear(g_c), s	3.6	3.7	1.1	5.7	5.8	2.9
Prop In Lane		0.67	1.00		1.00	1.00
Lane Grp Cap(c), veh/h	446	419	90	1559	512	456
V/C Ratio(X)	0.51	0.52	0.65	0.54	0.69	0.39
Avail Cap(c_a), veh/h	1378	1294	569	4378	2194	1953
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	10.6	10.6	15.3	6.8	10.4	9.4
Incr Delay (d2), s/veh	0.9	1.0	7.7	0.3	1.7	0.5
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.1	1.1	0.5	1.2	1.5	0.7
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	11.5	11.6	23.1	7.1	12.1	9.9
LnGrp LOS	B	B	C	A	B	A
Approach Vol, veh/h	447			899	531	
Approach Delay, s/veh	11.5			8.1	11.4	
Approach LOS	B			A	B	
Timer - Assigned Phs		2	3	4		8
Phs Duration (G + Y + Rc), s		13.9	6.2	12.8		18.9
Change Period (Y + Rc), s		4.5	4.5	4.5		4.5
Max Green Setting (Gmax), s		40.5	10.5	25.5		40.5
Max Q Clear Time (g_c + I1), s		7.8	3.1	5.7		7.7
Green Ext Time (p_c), s		1.6	0.1	2.5		6.6
<b>Intersection Summary</b>						
HCM 6th Ctrl Delay			9.9			
HCM 6th LOS			A			

LOS Engineering, Inc.

AM Horizon Year  
3: Central Ave & Beyer Blvd

HCM 6th Signalized Intersection Summary

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	39	284	83	126	476	5	196	33	236	5	27	155
Future Volume (veh/h)	39	284	83	126	476	5	196	33	236	5	27	155
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	42	309	90	137	517	5	213	36	257	5	29	168
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	64	499	143	155	845	8	294	50	353	155	41	238
Arrive On Green	0.04	0.18	0.18	0.09	0.23	0.23	0.16	0.25	0.25	0.09	0.17	0.17
Sat Flow, veh/h	1781	2726	781	1781	3606	35	1781	198	1417	1781	239	1383
Grp Volume(v), veh/h	42	200	199	137	255	267	213	0	293	5	0	197
Grp Sat Flow(s),veh/h/ln	1781	1777	1730	1781	1777	1864	1781	0	1615	1781	0	1621
Q Serve(g_s), s	1.1	4.7	4.9	3.5	5.9	5.9	5.2	0.0	7.6	0.1	0.0	5.2
Cycle Q Clear(g_c), s	1.1	4.7	4.9	3.5	5.9	5.9	5.2	0.0	7.6	0.1	0.0	5.2
Prop In Lane	1.00		0.45	1.00		0.02	1.00		0.88	1.00		0.85
Lane Grp Cap(c), veh/h	64	325	317	155	416	437	294	0	403	155	0	279
V/C Ratio(X)	0.65	0.61	0.63	0.88	0.61	0.61	0.72	0.00	0.73	0.03	0.00	0.71
Avail Cap(c_a), veh/h	155	620	604	155	620	651	622	0	564	622	0	566
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	21.8	17.2	17.3	20.7	15.7	15.7	18.1	0.0	15.8	19.1	0.0	17.9
Incr Delay (d2), s/veh	10.6	1.9	2.1	40.0	1.5	1.4	3.4	0.0	2.9	0.1	0.0	3.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.6	1.8	1.8	3.0	2.1	2.2	2.0	0.0	2.5	0.0	0.0	1.8
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	32.4	19.1	19.3	60.6	17.1	17.1	21.5	0.0	18.6	19.2	0.0	21.2
LnGrp LOS	C	B	B	E	B	B	C	A	B	B	A	C
Approach Vol, veh/h		441			659			506				202
Approach Delay, s/veh		20.5			26.2			19.9				21.1
Approach LOS		C			C			B				C
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G + Y + Rc), s	8.5	15.9	8.5	12.9	12.1	12.4	6.2	15.2				
Change Period (Y + Rc), s	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5				
Max Green Setting (Gmax), s	16.0	16.0	4.0	16.0	16.0	16.0	4.0	16.0				
Max Q Clear Time (g_c + I1), s	2.1	9.6	5.5	6.9	7.2	7.2	3.1	7.9				
Green Ext Time (p_c), s	0.0	0.8	0.0	1.5	0.4	0.6	0.0	1.9				
<b>Intersection Summary</b>												
HCM 6th Ctrl Delay	22.4											
HCM 6th LOS	C											

LOS Engineering, Inc.

AM Horizon Year  
4: Caliente Ave & Beyer Blvd

HCM 6th Signalized Intersection Summary



Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (veh/h)	408	112	261	792	367	340
Future Volume (veh/h)	408	112	261	792	367	340
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00	1.00			1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	443	122	284	861	399	370
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	762	349	495	1896	949	745
Arrive On Green	0.22	0.22	0.14	0.53	0.27	0.27
Sat Flow, veh/h	3456	1585	3456	3647	3647	2790
Grp Volume(v), veh/h	443	122	284	861	399	370
Grp Sat Flow(s),veh/h/ln	1728	1585	1728	1777	1777	1395
Q Serve(g_s), s	4.2	2.4	2.8	5.5	3.4	4.1
Cycle Q Clear(g_c), s	4.2	2.4	2.8	5.5	3.4	4.1
Prop In Lane	1.00	1.00	1.00			1.00
Lane Grp Cap(c), veh/h	762	349	495	1896	949	745
V/C Ratio(X)	0.58	0.35	0.57	0.45	0.42	0.50
Avail Cap(c_a), veh/h	2315	1062	1654	4518	2381	1869
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	12.7	12.0	14.6	5.3	11.1	11.3
Incr Delay (d2), s/veh	0.7	0.6	1.1	0.2	0.3	0.5
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.3	2.3	0.9	0.7	0.9	0.9
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	13.5	12.6	15.7	5.4	11.4	11.8
LnGrp LOS	B	B	B	A	B	B
Approach Vol, veh/h	565			1145	769	
Approach Delay, s/veh	13.3			8.0	11.6	
Approach LOS	B			A	B	
Timer - Assigned Phs		2		4	5	6
Phs Duration (G + Y + Rc), s		24.0		12.6	9.7	14.3
Change Period (Y + Rc), s		4.5		4.5	4.5	4.5
Max Green Setting (Gmax), s		46.5		24.5	17.5	24.5
Max Q Clear Time (g_c + I1), s		7.5		6.2	4.8	6.1
Green Ext Time (p_c), s		6.4		1.9	0.7	3.7
<b>Intersection Summary</b>						
HCM 6th Ctrl Delay			10.3			
HCM 6th LOS			B			

LOS Engineering, Inc.

PM Horizon Year

1: E Beyer Blvd/Otay Mesa Rd & Beyer Blvd

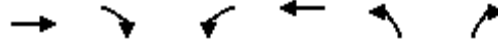
HCM 6th Signalized Intersection Summary

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	79	582	212	1030	657	78	130	121	591	222	130	116
Future Volume (veh/h)	79	582	212	1030	657	78	130	121	591	222	130	116
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.90	1.00		0.97	1.00		0.86	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	86	633	230	1120	714	85	141	132	642	241	141	-146
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	133	719	668	1157	1781	1013	200	621	1351	272	965	865
Arrive On Green	0.04	0.20	0.20	0.33	0.50	0.50	0.06	0.17	0.17	0.15	0.27	0.00
Sat Flow, veh/h	3456	3554	2507	3456	3554	1539	3456	3554	2389	1781	3554	2790
Grp Volume(v), veh/h	86	633	230	1120	714	85	141	132	642	241	141	-146
Grp Sat Flow(s),veh/h/ln	1728	1777	1253	1728	1777	1539	1728	1777	1194	1781	1777	1395
Q Serve(g_s), s	3.7	25.7	11.1	47.5	18.7	3.0	6.0	4.7	26.0	19.7	4.5	0.0
Cycle Q Clear(g_c), s	3.7	25.7	11.1	47.5	18.7	3.0	6.0	4.7	26.0	19.7	4.5	0.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	133	719	668	1157	1781	1013	200	621	1351	272	965	865
V/C Ratio(X)	0.65	0.88	0.34	0.97	0.40	0.08	0.71	0.21	0.48	0.89	0.15	-0.17
Avail Cap(c_a), veh/h	708	719	668	1163	1781	1013	536	621	1351	406	965	865
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	70.6	57.6	44.9	48.7	23.2	9.4	68.9	52.7	24.5	61.8	41.1	0.0
Incr Delay (d2), s/veh	5.2	14.6	1.4	19.1	0.1	0.0	7.6	0.3	0.4	18.5	0.1	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.7	12.8	3.6	22.9	7.7	1.0	2.8	2.1	7.4	10.2	2.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	75.8	72.2	46.3	67.9	23.3	9.5	76.5	52.9	24.9	80.2	41.2	0.0
LnGrp LOS	E	E	D	E	C	A	E	D	C	F	D	A
Approach Vol, veh/h		949			1919			915			236	
Approach Delay, s/veh		66.2			48.7			36.9			106.6	
Approach LOS		E			D			D			F	
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G + Y + Rc), s	54.7	35.0	13.5	45.6	10.2	79.5	27.9	31.2				
Change Period (Y + Rc), s	4.9	4.9	4.9	5.2	4.5	4.9	5.2	* 5.2				
Max Green Setting (Gmax), s	50.1	30.1	23.1	36.8	30.5	50.1	33.9	* 26				
Max Q Clear Time (g_c + I1), s	49.5	27.7	8.0	6.5	5.7	20.7	21.7	28.0				
Green Ext Time (p_c), s	0.3	1.1	0.6	1.3	0.2	4.9	1.0	0.0				
<b>Intersection Summary</b>												
HCM 6th Ctrl Delay			53.6									
HCM 6th LOS			D									

LOS Engineering, Inc.

PM Horizon Year  
2: West Ave & Beyer Blvd

HCM 6th Signalized Intersection Summary























Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↑↓		↖	↑↑	↖	↗
Traffic Volume (veh/h)	912	439	187	491	273	149
Future Volume (veh/h)	912	439	187	491	273	149
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		1.00	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	991	477	203	534	297	162
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	1116	526	245	2402	354	315
Arrive On Green	0.48	0.48	0.14	0.68	0.20	0.20
Sat Flow, veh/h	2437	1105	1781	3647	1781	1585
Grp Volume(v), veh/h	746	722	203	534	297	162
Grp Sat Flow(s),veh/h/ln	1777	1672	1781	1777	1781	1585
Q Serve(g_s), s	27.3	28.7	8.0	4.1	11.5	6.6
Cycle Q Clear(g_c), s	27.3	28.7	8.0	4.1	11.5	6.6
Prop In Lane		0.66	1.00		1.00	1.00
Lane Grp Cap(c), veh/h	846	796	245	2402	354	315
V/C Ratio(X)	0.88	0.91	0.83	0.22	0.84	0.51
Avail Cap(c_a), veh/h	876	824	285	2542	483	429
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	17.0	17.4	30.2	4.4	27.7	25.7
Incr Delay (d2), s/veh	10.2	13.5	16.2	0.0	9.3	1.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	11.9	12.4	4.3	1.1	5.3	2.4
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	27.3	30.8	46.4	4.5	37.0	27.0
LnGrp LOS	C	C	D	A	D	C
Approach Vol, veh/h	1468			737	459	
Approach Delay, s/veh	29.0			16.0	33.5	
Approach LOS	C			B	C	
Timer - Assigned Phs		2	3	4		8
Phs Duration (G + Y + Rc), s		18.8	14.4	38.8		53.2
Change Period (Y + Rc), s		4.5	4.5	4.5		4.5
Max Green Setting (Gmax), s		19.5	11.5	35.5		51.5
Max Q Clear Time (g_c + I1), s		13.5	10.0	30.7		6.1
Green Ext Time (p_c), s		0.8	0.1	3.6		3.9
<b>Intersection Summary</b>						
HCM 6th Ctrl Delay			26.2			
HCM 6th LOS			C			

LOS Engineering, Inc.

PM Horizon Year  
3: Central Ave & Beyer Blvd

HCM 6th Signalized Intersection Summary

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	166	614	252	343	452	5	154	30	245	5	94	72
Future Volume (veh/h)	166	614	252	343	452	5	154	30	245	5	94	72
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	180	667	274	373	491	5	167	33	266	5	102	78
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	223	662	272	410	1350	14	214	38	303	94	141	108
Arrive On Green	0.13	0.27	0.27	0.23	0.37	0.37	0.12	0.21	0.21	0.05	0.14	0.14
Sat Flow, veh/h	1781	2457	1009	1781	3604	37	1781	178	1434	1781	983	752
Grp Volume(v), veh/h	180	482	459	373	242	254	167	0	299	5	0	180
Grp Sat Flow(s),veh/h/ln	1781	1777	1689	1781	1777	1864	1781	0	1612	1781	0	1735
Q Serve(g_s), s	7.5	20.5	20.5	15.5	7.5	7.5	6.9	0.0	13.7	0.2	0.0	7.5
Cycle Q Clear(g_c), s	7.5	20.5	20.5	15.5	7.5	7.5	6.9	0.0	13.7	0.2	0.0	7.5
Prop In Lane	1.00		0.60	1.00		0.02	1.00		0.89	1.00		0.43
Lane Grp Cap(c), veh/h	223	479	455	410	665	698	214	0	340	94	0	249
V/C Ratio(X)	0.81	1.01	1.01	0.91	0.36	0.36	0.78	0.00	0.88	0.05	0.00	0.72
Avail Cap(c_a), veh/h	391	479	455	410	665	698	375	0	382	375	0	411
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	32.4	27.8	27.8	28.5	17.2	17.2	32.5	0.0	29.1	34.2	0.0	31.1
Incr Delay (d2), s/veh	6.8	42.9	44.0	23.9	0.3	0.3	6.1	0.0	18.9	0.2	0.0	4.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.5	13.8	13.2	8.9	2.9	3.0	3.1	0.0	6.6	0.1	0.0	3.2
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	39.1	70.7	71.8	52.4	17.6	17.5	38.5	0.0	47.9	34.5	0.0	35.1
LnGrp LOS	D	F	F	D	B	B	D	A	D	C	A	D
Approach Vol, veh/h		1121			869			466			185	
Approach Delay, s/veh		66.0			32.5			44.6			35.1	
Approach LOS		E			C			D			D	
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G + Y + Rc), s	8.5	20.5	22.0	25.0	13.6	15.4	14.0	33.0				
Change Period (Y + Rc), s	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5				
Max Green Setting (Gmax), s	16.0	18.0	17.5	20.5	16.0	18.0	16.7	21.3				
Max Q Clear Time (g_c + I1), s	2.2	15.7	17.5	22.5	8.9	9.5	9.5	9.5				
Green Ext Time (p_c), s	0.0	0.4	0.0	0.0	0.2	0.5	0.3	2.2				
<b>Intersection Summary</b>												
HCM 6th Ctrl Delay			49.1									
HCM 6th LOS			D									

PM Horizon Year  
4: Caliente Ave & Beyer Blvd

HCM 6th Signalized Intersection Summary



Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (veh/h)	541	317	187	597	966	609
Future Volume (veh/h)	541	317	187	597	966	609
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00	1.00			1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	588	345	203	649	1050	662
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	908	417	311	2030	1416	1112
Arrive On Green	0.26	0.26	0.09	0.57	0.40	0.40
Sat Flow, veh/h	3456	1585	3456	3647	3647	2790
Grp Volume(v), veh/h	588	345	203	649	1050	662
Grp Sat Flow(s),veh/h/ln	1728	1585	1728	1777	1777	1395
Q Serve(g_s), s	8.2	11.1	3.1	5.2	13.7	10.2
Cycle Q Clear(g_c), s	8.2	11.1	3.1	5.2	13.7	10.2
Prop In Lane	1.00	1.00	1.00			1.00
Lane Grp Cap(c), veh/h	908	417	311	2030	1416	1112
V/C Ratio(X)	0.65	0.83	0.65	0.32	0.74	0.60
Avail Cap(c_a), veh/h	1019	467	363	2291	1624	1275
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	17.8	18.9	23.9	6.1	13.9	12.9
Incr Delay (d2), s/veh	1.2	10.8	3.3	0.1	1.6	0.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.0	10.3	1.2	1.2	4.4	2.5
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	19.0	29.6	27.2	6.2	15.5	13.5
LnGrp LOS	B	C	C	A	B	B
Approach Vol, veh/h	933			852	1712	
Approach Delay, s/veh	22.9			11.2	14.7	
Approach LOS	C			B	B	
Timer - Assigned Phs		2		4	5	6
Phs Duration (G + Y + Rc), s		35.5		18.8	9.4	26.1
Change Period (Y + Rc), s		4.5		4.5	4.5	4.5
Max Green Setting (Gmax), s		35.0		16.0	5.7	24.8
Max Q Clear Time (g_c + I1), s		7.2		13.1	5.1	15.7
Green Ext Time (p_c), s		4.3		1.1	0.0	5.9
<b>Intersection Summary</b>						
HCM 6th Ctrl Delay			16.1			
HCM 6th LOS			B			

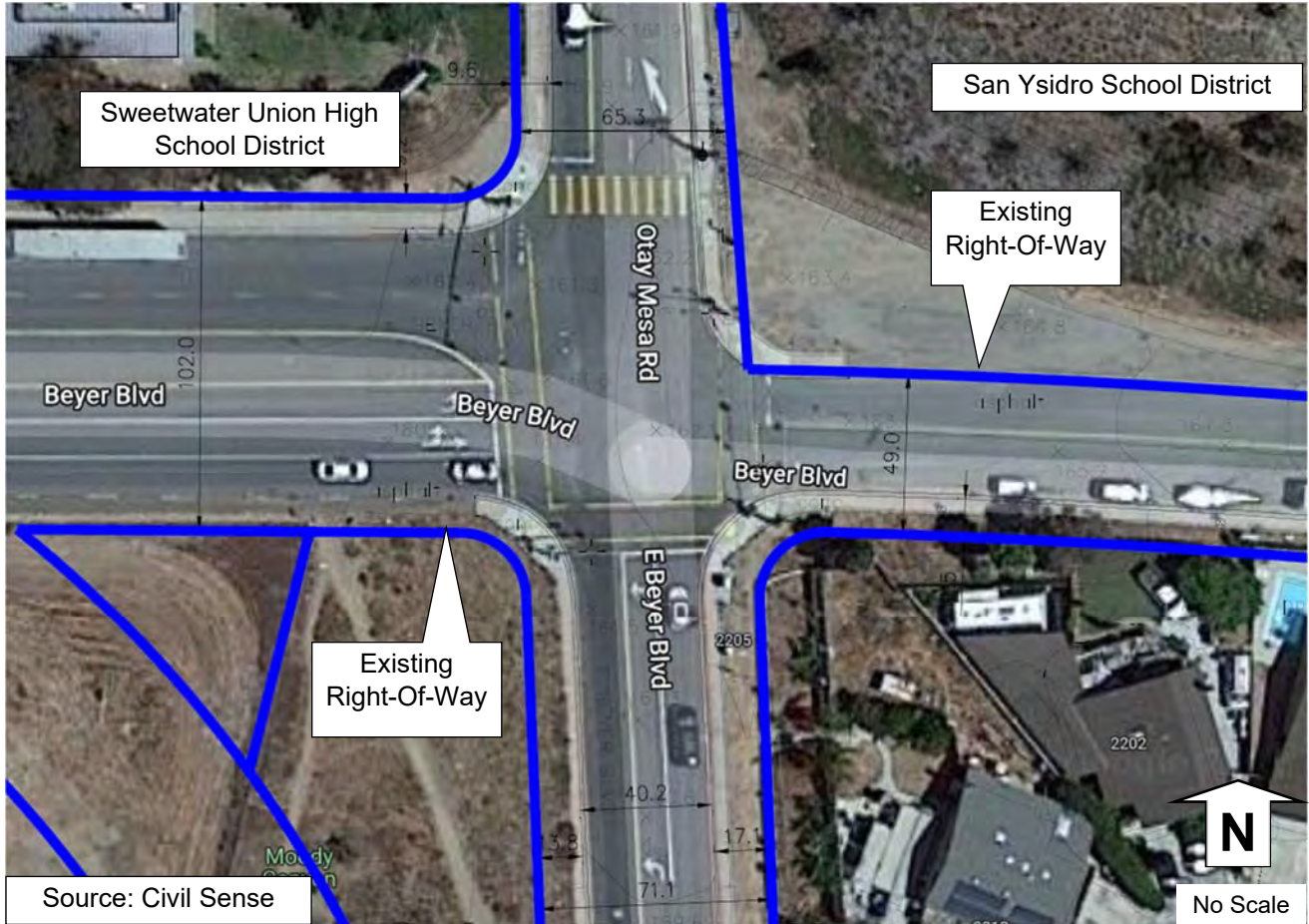
LOS Engineering, Inc.

# Beyer Blvd 2 Lane Supplemental Analysis (LOS Engineering, Inc.)

## Beyer at E. Beyer Intersection Options for Horizon Year Operations

This planning level analysis includes widening scenarios at intersection of Beyer Blvd at E. Beyer Blvd to determine what percent of San Ysidro CPU horizon year volumes can be supported. LOS worksheets are included following the text.

### Base Condition: Beyer Blvd at E. Beyer Blvd with the following Right-Of-Way



#### Existing Volumes (Thur, 2/10/2022)

Beyer Blvd	354 (169)	171 (109)	0 (1)	(Old) Otay Mesa Rd	
482	(130)	N-S Permitted		6	(1)
12	(18)	E-W		15	(7)
143	(178)	Split Phase		11	(9)
	93 (75)	238 (71)	4 (5)	E. Beyer Blvd	

AM LOS C 28.6 sec of delay  
PM LOS C 20.1 sec of delay

#### Horizon Year Volumes (San Ysidro CPU)

Beyer Blvd	508 (116)	265 (130)	133 (222)	(Old) Otay Mesa Rd	
564	(79)	N-S Permitted		218	(78)
802	(582)	E-W		920	(657)
340	(212)	Split Phase		866	(1030)
	466 (130)	372 (121)	808 (591)	E. Beyer Blvd	

AM LOS F 195.2 sec of delay after Mitigation  
PM LOS F 155.8 sec of delay after Mitigation  
**SYCPU: Impact considered unavoidable.**

### Scenario 1: Within Existing Right-Of-Way

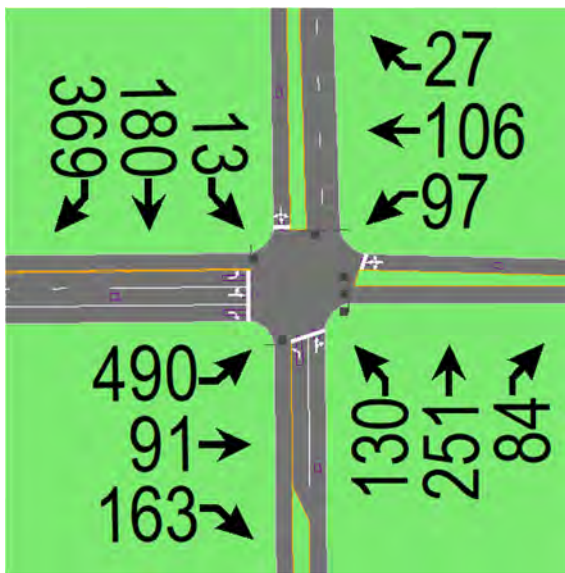
Working within available ROW (blue lines represent existing ROW).



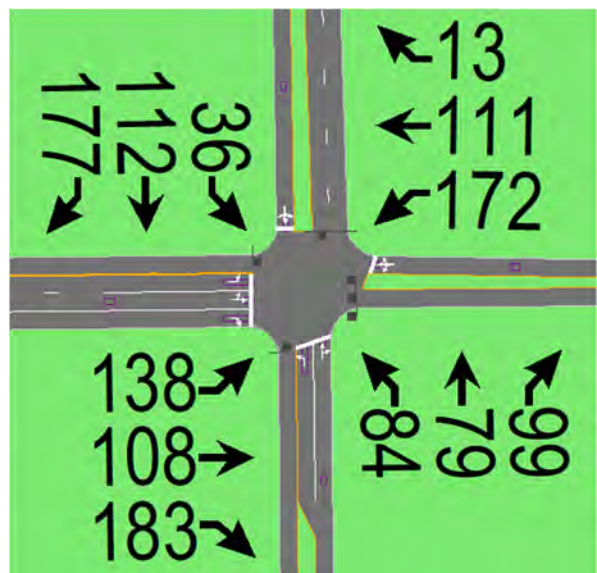
AM LOS D (50.7 sec of delay) at 32% of SYCPU Horizon Year Volumes

PM LOS D (52.5 sec of delay) at 33% of SYCPU Horizon Year Volumes

AM (32% of horizon volume)

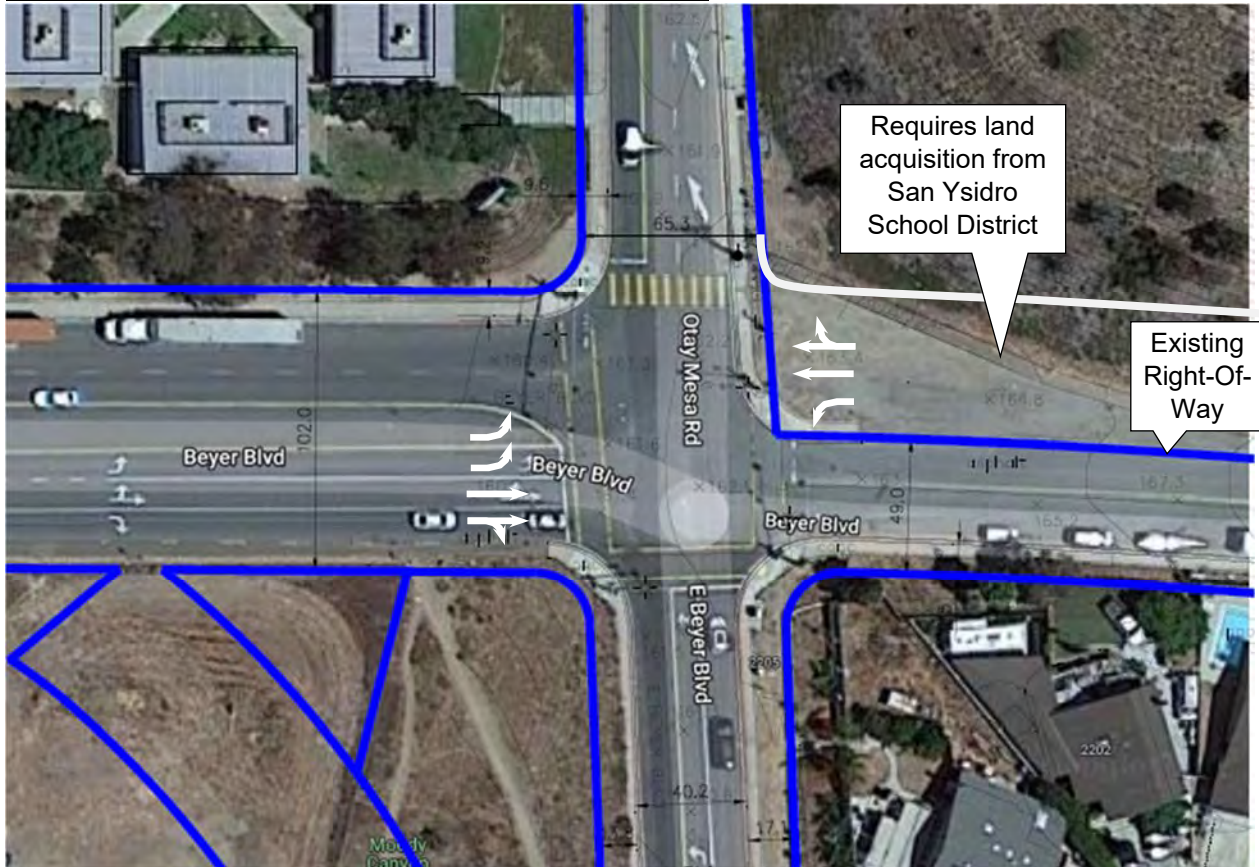


PM (33% of horizon volume)



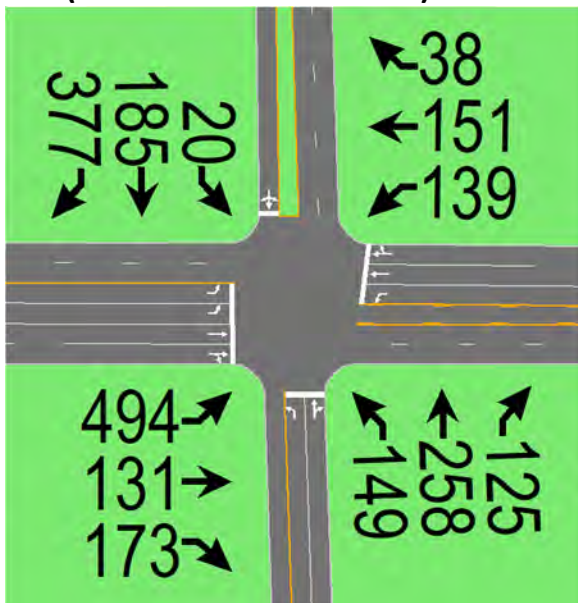
**Scenario 2: Widening within San Ysidro School District with lanes as shown**

Requires ROW from San Ysidro School District.

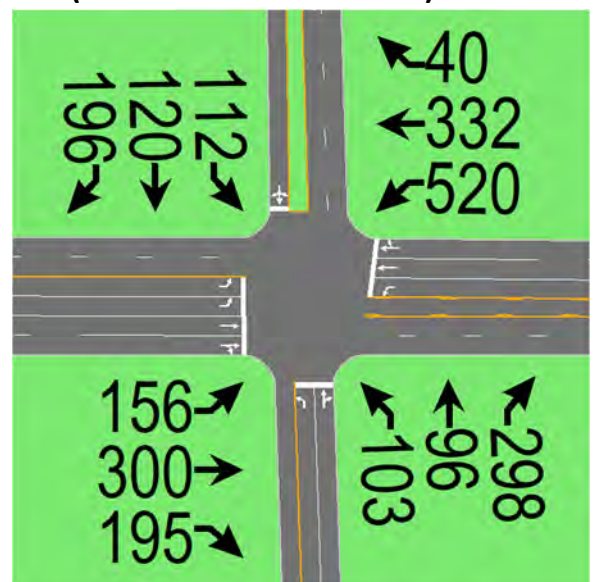


AM LOS D (54.0 sec of delay) at 36% of SYCPU Horizon Year Volumes  
 PM LOS D (52.7 sec of delay) at 63% of SYCPU Horizon Year Volumes

**AM (36% of horizon volumes)**

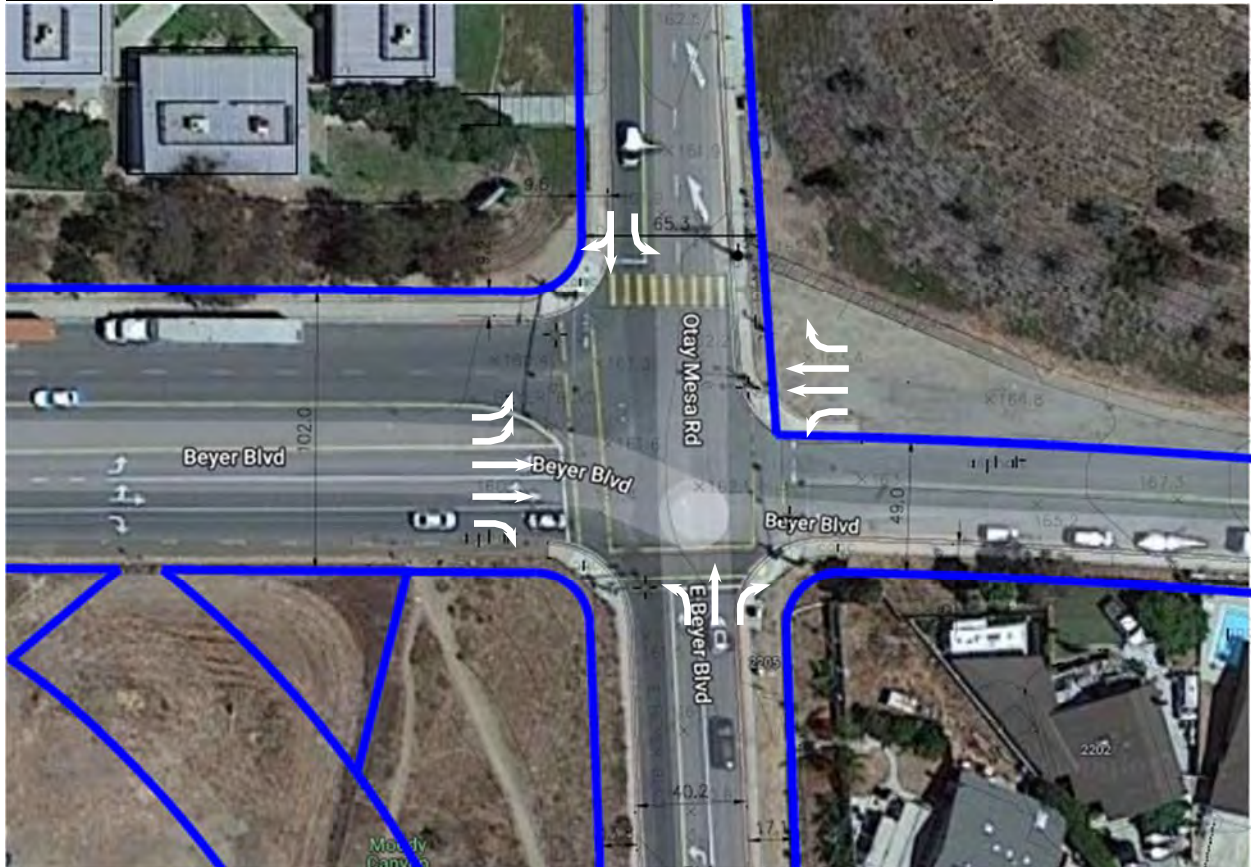


**PM (63% of horizon volumes)**



### Scenario 3: SYCPU EIR fails to support 100% of the Horizon Year Volumes

From San Ysidro CPU (ROW requirement not defined in the CPU).



AM LOS F (195.2 sec of delay) with SYCPU Horizon Year Volumes  
 AM LOS Worksheet SYCPU (Kimley-Horn)

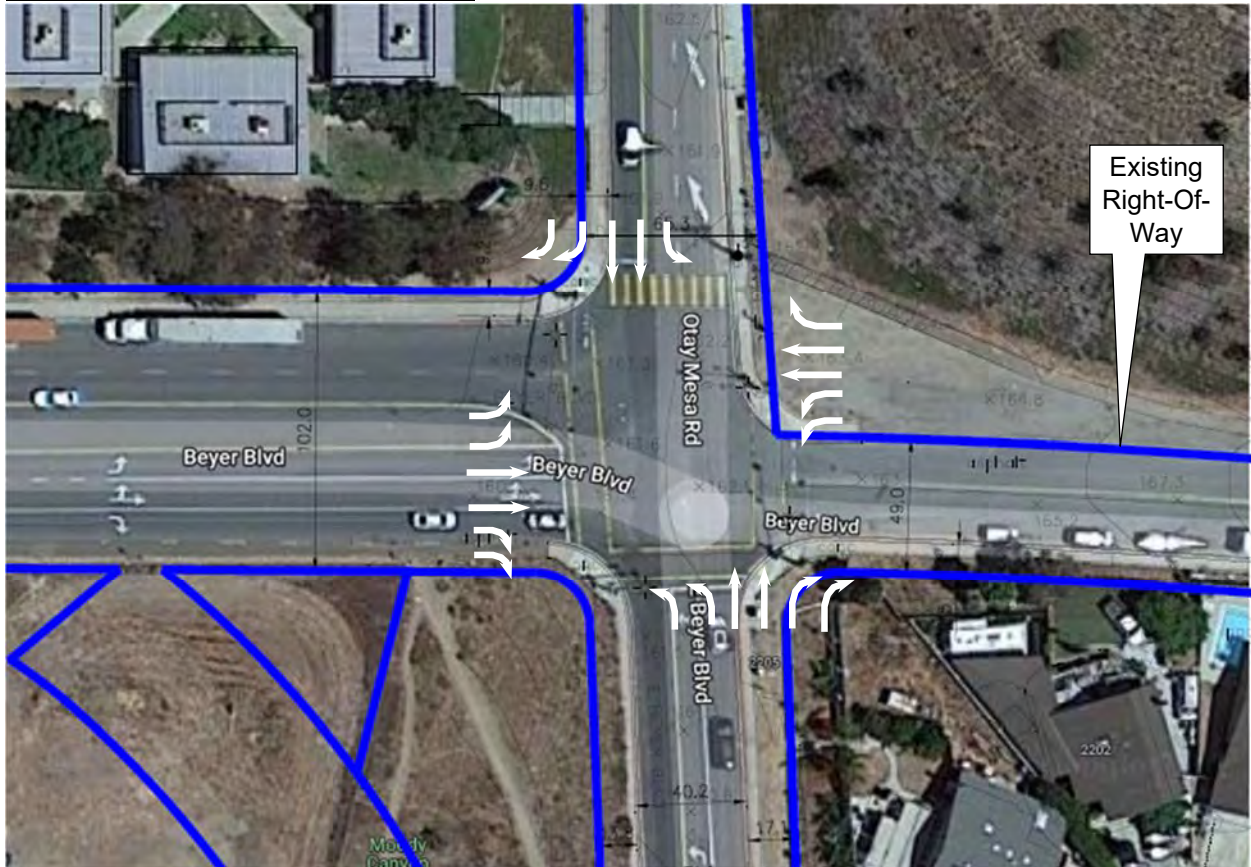
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↔↔	↕↕	↗	↗	↕↕	↗	↗	↕	↗		↗	↗
Volume (vph)	557	803	329	856	918	219	452	369	796	135	260	504

PM LOS F (155.8 sec of delay) with SYCPU Horizon Year Volumes  
 PM LOS Worksheet from SYCPU (Kimley-Horn)

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↔↔	↕↕	↗	↗	↕↕	↗	↗	↕	↗		↗	↗
Volume (vph)	79	580	205	1018	657	79	123	118	586	223	126	116

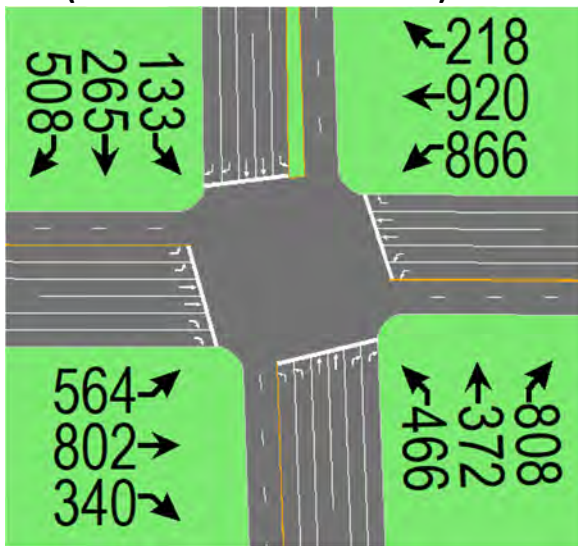
### Scenario 4: Lane requirements to support 100% of the Horizon Year Volumes

Requires ROW from all corners

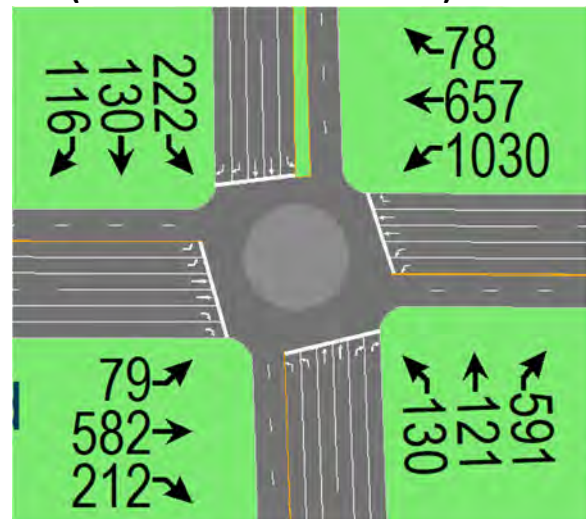


AM LOS D (54.8 sec of delay) at 100% of SYCPU Horizon Year Volumes  
 PM LOS D (54.9 sec of delay) at 100% of SYCPU Horizon Year Volumes

AM (100% of horizon volumes)



PM (100% of horizon volumes)



## CONCLUSION

Scenario 1 shows how much of the Horizon Year volumes can be supported within the existing right-of-way, which is 32% in the AM and 33% in the PM.

Scenario 2 covers widening within San Ysidro School District that results in supporting Horizon Year volumes at 36% in the AM and 63% in the PM.

Scenario 3 shows how the SYCPU EIR fails to support 100% of the Horizon Year Volumes.

Scenario 4 covers what is required to support 100% of the San Ysidro CPU horizon year volumes at the intersection of Beyer Blvd/E. Beyer Blvd. This scenario requires expanding the intersection well beyond available ROW to incorporate multiple approach lanes that are excessive for the roadway classifications.

The findings for each option are summarized below.




















### Summary Table

Scenario	% Capacity of Horizon Year Volume	Notes
1	AM 32% PM 33%	Within existing ROW Adding E-W protected lefts
2	AM 36% PM 63%	Required ROW from San Ysidro School District Completes west leg of Beyer Blvd by adding left, through, and through-right lanes.
3	AM ≈100% PM ≈100%	From San Ysidro CPU with undefined ROW needs. Continues to have LOS F AM & PM
4	AM 100% PM 100%	Requires ROW from each corner. Approach lanes exceed what is typically required for the respective approach classifications.

## Scenario 1 LOS Worksheets

AM at 32% of SYCPU Horizon Year Volume  
 10: E Beyer Blvd/Old Otay Mesa Rd & Beyer Blvd




















HCM 6th Signalized Intersection Summary

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	490	91	163	97	106	27	130	251	84	13	180	369
Future Volume (veh/h)	490	91	163	97	106	27	130	251	84	13	180	369
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.92	1.00		0.96	1.00		0.93	1.00		0.96
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	669	0	196	121	132	34	186	359	120	15	202	415
Peak Hour Factor	0.83	0.83	0.83	0.80	0.80	0.80	0.70	0.70	0.70	0.89	0.89	0.89
Percent Heavy Veh, %	3	3	3	3	3	3	3	3	3	3	3	3
Cap, veh/h	898	0	368	146	159	41	164	545	182	40	222	439
Arrive On Green	0.25	0.00	0.25	0.20	0.20	0.20	0.42	0.42	0.42	0.42	0.42	0.42
Sat Flow, veh/h	3534	0	1448	746	814	210	800	1304	436	17	532	1050
Grp Volume(v), veh/h	669	0	196	287	0	0	186	0	479	632	0	0
Grp Sat Flow(s),veh/h/ln	1767	0	1448	1769	0	0	800	0	1740	1599	0	0
Q Serve(g_s), s	19.3	0.0	12.9	17.2	0.0	0.0	4.2	0.0	24.5	16.8	0.0	0.0
Cycle Q Clear(g_c), s	19.3	0.0	12.9	17.2	0.0	0.0	46.2	0.0	24.5	42.0	0.0	0.0
Prop In Lane	1.00		1.00	0.42		0.12	1.00		0.25	0.02		0.66
Lane Grp Cap(c), veh/h	898	0	368	346	0	0	164	0	727	701	0	0
V/C Ratio(X)	0.75	0.00	0.53	0.83	0.00	0.00	1.14	0.00	0.66	0.90	0.00	0.00
Avail Cap(c_a), veh/h	898	0	368	416	0	0	164	0	727	707	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	0.00	1.00	0.00	1.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	38.0	0.0	35.6	42.7	0.0	0.0	44.4	0.0	25.9	30.9	0.0	0.0
Incr Delay (d2), s/veh	5.6	0.0	5.4	11.3	0.0	0.0	111.4	0.0	2.7	14.7	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	8.7	0.0	4.9	8.3	0.0	0.0	9.5	0.0	10.0	17.8	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	43.6	0.0	41.0	54.0	0.0	0.0	155.8	0.0	28.6	45.6	0.0	0.0
LnGrp LOS	D	A	D	D	A	A	F	A	C	D	A	A
Approach Vol, veh/h		865			287			665			632	
Approach Delay, s/veh		43.0			54.0			64.2			45.6	
Approach LOS		D			D			E			D	
Timer - Assigned Phs		2		4		6		8				
Phs Duration (G+Y+Rc), s		33.0		51.1		26.5		51.1				
Change Period (Y+Rc), s		4.9		* 4.9		4.9		4.9				
Max Green Setting (Gmax), s		28.1		* 47		26.0		46.2				
Max Q Clear Time (g_c+I1), s		21.3		44.0		19.2		48.2				
Green Ext Time (p_c), s		1.9		1.1		0.8		0.0				
<b>Intersection Summary</b>												
HCM 6th Ctrl Delay				50.7								
HCM 6th LOS				D								

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PM at 33% of SYCPU Horizon Year Volume  
 10: E Beyer Blvd/Old Otay Mesa Rd & Beyer Blvd

HCM 6th Signalized Intersection Summary

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	138	108	183	172	111	13	84	79	99	36	112	177
Future Volume (veh/h)	138	108	183	172	111	13	84	79	99	36	112	177
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.98	1.00		0.96	0.99		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	131	137	195	242	156	18	100	94	118	54	167	264
Peak Hour Factor	0.94	0.94	0.94	0.71	0.71	0.71	0.84	0.84	0.84	0.67	0.67	0.67
Percent Heavy Veh, %	3	3	3	3	3	3	3	3	3	3	3	3
Cap, veh/h	519	545	448	270	174	20	180	210	264	75	157	226
Arrive On Green	0.29	0.29	0.29	0.26	0.26	0.26	0.29	0.29	0.29	0.29	0.29	0.29
Sat Flow, veh/h	1767	1856	1526	1040	670	77	949	730	917	110	548	786
Grp Volume(v), veh/h	131	137	195	416	0	0	100	0	212	485	0	0
Grp Sat Flow(s),veh/h/ln	1767	1856	1526	1787	0	0	949	0	1647	1444	0	0
Q Serve(g_s), s	5.2	5.2	9.5	20.7	0.0	0.0	0.0	0.0	9.7	16.8	0.0	0.0
Cycle Q Clear(g_c), s	5.2	5.2	9.5	20.7	0.0	0.0	25.7	0.0	9.7	26.5	0.0	0.0
Prop In Lane	1.00		1.00	0.58		0.04	1.00		0.56	0.11		0.54
Lane Grp Cap(c), veh/h	519	545	448	463	0	0	180	0	473	458	0	0
V/C Ratio(X)	0.25	0.25	0.43	0.90	0.00	0.00	0.55	0.00	0.45	1.06	0.00	0.00
Avail Cap(c_a), veh/h	519	545	448	525	0	0	180	0	473	458	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	0.00	1.00	0.00	1.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	24.8	24.8	26.4	33.0	0.0	0.0	32.6	0.0	26.9	34.4	0.0	0.0
Incr Delay (d2), s/veh	1.2	1.1	3.1	16.7	0.0	0.0	5.3	0.0	1.1	58.2	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.2	2.3	3.6	10.5	0.0	0.0	2.3	0.0	3.7	17.3	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	26.0	25.9	29.4	49.7	0.0	0.0	37.9	0.0	28.0	92.6	0.0	0.0
LnGrp LOS	C	C	C	D	A	A	D	A	C	F	A	A
Approach Vol, veh/h		463			416			312			485	
Approach Delay, s/veh		27.4			49.7			31.2			92.6	
Approach LOS		C			D			C			F	
Timer - Assigned Phs		2		4		6		8				
Phs Duration (G+Y+Rc), s		32.0		31.4		28.8		31.4				
Change Period (Y+Rc), s		4.9		* 4.9		4.9		4.9				
Max Green Setting (Gmax), s		27.1		* 27		27.1		26.1				
Max Q Clear Time (g_c+I1), s		11.5		28.5		22.7		27.7				
Green Ext Time (p_c), s		1.4		0.0		0.9		0.0				
<b>Intersection Summary</b>												
HCM 6th Ctrl Delay				52.5								
HCM 6th LOS				D								

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Scenario 2 LOS Worksheets

AM at 36% of SYCPU Horizon Year Volume  
 1: E Beyer Blvd/Otay Mesa Rd & Beyer Blvd

HCM 6th Signalized Intersection Summary

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	494	131	173	139	151	38	149	258	125	20	185	377
Future Volume (veh/h)	494	131	173	139	151	38	149	258	125	20	185	377
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.91	1.00		0.93	1.00		0.94	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	537	142	188	151	164	41	162	280	136	22	201	138
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	607	390	315	182	419	101	492	321	156	25	226	155
Arrive On Green	0.18	0.22	0.22	0.10	0.15	0.15	0.28	0.28	0.28	0.23	0.23	0.23
Sat Flow, veh/h	3456	1777	1435	1781	2795	672	1781	1162	565	105	964	662
Grp Volume(v), veh/h	537	142	188	151	102	103	162	0	416	361	0	0
Grp Sat Flow(s),veh/h/ln	1728	1777	1435	1781	1777	1691	1781	0	1727	1731	0	0
Q Serve(g_s), s	18.0	8.1	14.0	9.9	6.1	6.6	8.6	0.0	27.3	24.0	0.0	0.0
Cycle Q Clear(g_c), s	18.0	8.1	14.0	9.9	6.1	6.6	8.6	0.0	27.3	24.0	0.0	0.0
Prop In Lane	1.00		1.00	1.00		0.40	1.00		0.33	0.06		0.38
Lane Grp Cap(c), veh/h	607	390	315	182	266	254	492	0	477	405	0	0
V/C Ratio(X)	0.89	0.36	0.60	0.83	0.38	0.41	0.33	0.00	0.87	0.89	0.00	0.00
Avail Cap(c_a), veh/h	701	390	315	390	425	404	603	0	584	478	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	47.8	39.3	41.6	52.3	45.5	45.7	34.2	0.0	41.0	44.0	0.0	0.0
Incr Delay (d2), s/veh	11.8	2.6	8.1	8.8	0.9	1.0	0.7	0.0	13.4	18.2	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh	87	3.8	5.6	4.8	2.8	2.8	3.7	0.0	12.9	12.0	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	59.6	41.9	49.7	61.0	46.4	46.7	34.9	0.0	54.4	62.2	0.0	0.0
LnGrp LOS	E	D	D	E	D	D	C	A	D	E	A	A
Approach Vol, veh/h		867			356			578			361	
Approach Delay, s/veh		54.5			52.7			48.9			62.2	
Approach LOS		D			D			D			E	
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	17.1	31.0		33.0	25.4	22.7		37.7				
Change Period (Y+Rc), s	4.9	4.9		5.2	4.5	4.9		4.9				
Max Green Setting (Gm), s	26.1			32.8	24.1	28.4		40.2				
Max Q Clear Time (g_c+119), s	16.0			26.0	20.0	8.6		29.3				
Green Ext Time (p_c), s	0.3	1.4		1.7	0.8	1.0		3.5				
<b>Intersection Summary</b>												
HCM 6th Ctrl Delay	54.0											
HCM 6th LOS	D											

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PM at 63% of SYCPU Horizon Year Volume  
 1: E Beyer Blvd/Otay Mesa Rd & Beyer Blvd

HCM 6th Signalized Intersection Summary

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	156	300	195	520	332	40	103	96	298	112	120	196
Future Volume (veh/h)	156	300	195	520	332	40	103	96	298	112	120	196
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.92	1.00		0.97	1.00		0.94	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	170	326	212	565	361	43	112	104	324	122	130	-59
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	239	547	344	592	1717	203	452	96	300	301	320	0
Arrive On Green	0.07	0.27	0.27	0.33	0.54	0.54	0.25	0.25	0.25	0.00	0.00	0.00
Sat Flow, veh/h	3456	2019	1268	1781	3190	377	1781	380	1183	1211	1290	-585
Grp Volume(v), veh/h	170	286	252	565	200	204	112	0	428	0	0	0
Grp Sat Flow(s),veh/h/ln	1728	1777	1511	1781	1777	1790	1781	0	1563	0	0	0
Q Serve(g_s), s	5.0	14.4	15.0	31.9	6.0	6.1	5.2	0.0	26.1	0.0	0.0	0.0
Cycle Q Clear(g_c), s	5.0	14.4	15.0	31.9	6.0	6.1	5.2	0.0	26.1	0.0	0.0	0.0
Prop In Lane	1.00		0.84	1.00		0.21	1.00		0.76	0.63		-0.31
Lane Grp Cap(c), veh/h	239	482	410	592	956	963	452	0	397	0	0	0
V/C Ratio(X)	0.71	0.59	0.62	0.95	0.21	0.21	0.25	0.00	1.08	0.00	0.00	0.00
Avail Cap(c_a), veh/h	410	482	410	608	956	963	452	0	397	0	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00
Uniform Delay (d), s/veh	46.9	32.6	32.8	33.6	12.4	12.4	30.6	0.0	38.4	0.0	0.0	0.0
Incr Delay (d2), s/veh	3.9	5.3	6.8	25.3	0.1	0.1	0.5	0.0	68.1	0.0	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh	2	6.7	6.1	17.4	2.3	2.4	2.2	0.0	16.9	0.0	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	50.8	37.8	39.6	58.9	12.5	12.5	31.1	0.0	106.5	0.0	0.0	0.0
LnGrp LOS	D	D	D	E	B	B	C	A	F	A	A	A
Approach Vol, veh/h		708			969			540				0
Approach Delay, s/veh		41.6			39.6			90.8				0.0
Approach LOS		D			D			F				
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	35.1	32.8		0.0	11.6	60.3		31.0				
Change Period (Y+Rc), s	4.9	4.9		5.2	4.5	4.9		4.9				
Max Green Setting (G_max), s	27.9			36.0	12.2	51.2		26.1				
Max Q Clear Time (g_c3), s	31.9	17.0		0.0	7.0	8.1		28.1				
Green Ext Time (p_c), s	0.3	2.4		0.0	0.2	2.4		0.0				
<b>Intersection Summary</b>												
HCM 6th Ctrl Delay	52.7											
HCM 6th LOS	D											

LOS Engineering, Inc.

## Scenario 3 LOS Worksheets

From SYCPU. Volumes below are slightly lower than EIR figure (AM Analysis)

San Ysidro CPU-Mobility Element Horizon Year Alternative B with Improvements I-805 Ramps  
7: East Beyer Blvd/Otay Mesa Rd & Beyer Blvd 11/21/2014

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	557	803	329	856	918	219	452	369	796	135	260	504
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.9	4.9	4.0	4.9	4.9	4.9	4.0	4.9	4.0		5.2	4.9
Lane Util. Factor	0.97	0.95	1.00	1.00	0.95	1.00	1.00	1.00	1.00		1.00	1.00
Frt	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85		1.00	0.85
Fit Protected	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00		0.98	1.00
Satd. Flow (prot)	3433	3539	1583	1770	3539	1583	1770	1863	1583		1832	1583
Fit Permitted	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00		0.72	1.00
Satd. Flow (perm)	3433	3539	1583	1770	3539	1583	1770	1863	1583		1332	1583
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Growth Factor (vph)	110%	110%	110%	110%	110%	110%	110%	110%	110%	110%	110%	110%
Adj. Flow (vph)	666	960	393	1023	1098	262	540	441	952	161	311	603
RTOR Reduction (vph)	0	0	70	0	0	55	0	0	0	0	0	45
Lane Group Flow (vph)	666	960	323	1023	1098	207	540	441	952	0	472	558
Turn Type	Prot	NA	pm+ov	Prot	NA	Perm	Prot	NA	Free	Perm	NA	pm+ov
Protected Phases	5	2	3	1	6		3	8			4	5
Permitted Phases			2			6			Free	4		4
Actuated Green, G (s)	26.9	30.1	50.1	44.1	47.3	47.3	20.0	61.1	150.0		36.8	63.7
Effective Green, g (s)	26.9	30.1	50.1	44.1	47.3	47.3	20.0	61.1	150.0		36.8	63.7
Actuated g/C Ratio	0.18	0.20	0.33	0.29	0.32	0.32	0.13	0.41	1.00		0.25	0.42
Clearance Time (s)	4.9	4.9	4.0	4.9	4.9	4.9	4.0	4.9			5.2	4.9
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0			3.0	3.0
Lane Grp Cap (vph)	615	710	528	520	1115	499	236	758	1583		326	672
v/s Ratio Prot	0.19	c0.27	0.08	c0.58	0.31		c0.31	0.24				0.15
v/s Ratio Perm			0.12			0.13			0.60		c0.35	0.20
v/c Ratio	1.08	1.35	0.61	1.97	0.98	0.41	2.29	0.58	0.60		1.45	0.83
Uniform Delay, d1	61.5	59.9	41.8	53.0	51.0	40.4	65.0	34.5	0.0		56.6	38.3
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		1.00	1.00
Incremental Delay, d2	60.8	167.7	2.1	442.2	23.1	0.6	592.9	1.1	1.7		218.0	8.4
Delay (s)	122.3	227.6	43.9	495.2	74.1	41.0	657.9	35.7	1.7		274.6	46.7
Level of Service	F	F	D	F	E	D	F	D	A		F	D
Approach Delay (s)		157.1			251.2			192.8			146.8	
Approach LOS		F			F			F			F	
<b>Intersection Summary</b>												
HCM 2000 Control Delay			195.2			HCM 2000 Level of Service		F				
HCM 2000 Volume to Capacity ratio			1.73									
Actuated Cycle Length (s)			150.0			Sum of lost time (s)		19.0				
Intersection Capacity Utilization			144.0%			ICU Level of Service		H				
Analysis Period (min)			15									
c Critical Lane Group												

From SYCPU. Volumes below are slightly lower than EIR figure (PM Analysis)

San Ysidro CPU-Mobility Element Horizon Year Alternative B with Improvements I-805 Ramp  
7: East Beyer Blvd/Otay Mesa Rd & Beyer Blvd 11/21/2014

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	
Lane Configurations													
Volume (vph)	79	580	205	1018	657	79	123	118	586	223	126	116	
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	
Total Lost time (s)	4.9	4.9	4.0	4.9	4.9	4.9	4.0	4.9	4.0		5.2	4.9	
Lane Util. Factor	0.97	0.95	1.00	1.00	0.95	1.00	1.00	1.00	1.00		1.00	1.00	
Frt	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85		1.00	0.85	
Flt Protected	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00		0.97	1.00	
Satd. Flow (prot)	3433	3539	1583	1770	3539	1583	1770	1863	1583		1805	1583	
Flt Permitted	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00		0.72	1.00	
Satd. Flow (perm)	3433	3539	1583	1770	3539	1583	1770	1863	1583		1348	1583	
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	
Growth Factor (vph)	110%	110%	110%	110%	110%	110%	110%	110%	110%	110%	110%	110%	
Adj. Flow (vph)	94	693	245	1217	786	94	147	141	701	267	151	139	
RTOR Reduction (vph)	0	0	134	0	0	39	0	0	0	0	0	55	
Lane Group Flow (vph)	94	693	111	1217	786	55	147	141	701	0	418	84	
Turn Type	Prot	NA	pm+ov	Prot	NA	Perm	Prot	NA	Free	Perm	NA	pm+ov	
Protected Phases	5	2	3	1	6		3	8			4	5	
Permitted Phases			2			6			Free	4		4	
Actuated Green, G (s)	9.5	26.1	34.1	61.1	77.7	77.7	8.0	48.1	150.0		35.8	45.3	
Effective Green, g (s)	9.5	26.1	34.1	61.1	77.7	77.7	8.0	48.1	150.0		35.8	45.3	
Actuated g/C Ratio	0.06	0.17	0.23	0.41	0.52	0.52	0.05	0.32	1.00		0.24	0.30	
Clearance Time (s)	4.9	4.9	4.0	4.9	4.9	4.9	4.0	4.9			5.2	4.9	
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0			3.0	3.0	
Lane Grp Cap (vph)	217	615	359	720	1833	819	94	597	1583		321	478	
v/s Ratio Prot	0.03	c0.20	0.02	c0.69	0.22		c0.08	0.08				0.01	
v/s Ratio Perm			0.05			0.03			0.44		c0.31	0.04	
v/c Ratio	0.43	1.13	0.31	1.69	0.43	0.07	1.56	0.24	0.44		1.30	0.18	
Uniform Delay, d1	67.7	62.0	48.1	44.5	22.4	18.1	71.0	37.4	0.0		57.1	38.6	
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		1.00	1.00	
Incremental Delay, d2	1.4	76.5	0.5	316.6	0.2	0.0	298.8	0.2	0.9		156.9	0.2	
Delay (s)	69.0	138.4	48.6	361.1	22.6	18.1	369.8	37.7	0.9		214.0	38.8	
Level of Service	E	F	D	F	C	B	F	D	A		F	D	
Approach Delay (s)		110.8			218.8			61.0			170.3		
Approach LOS		F			F			E			F		
<b>Intersection Summary</b>													
HCM 2000 Control Delay			155.8			HCM 2000 Level of Service							F
HCM 2000 Volume to Capacity ratio			1.46										
Actuated Cycle Length (s)			150.0			Sum of lost time (s)							19.0
Intersection Capacity Utilization			124.6%			ICU Level of Service							H
Analysis Period (min)			15										

c Critical Lane Group

**Table 6-1 Post Mitigation Summary of Intersection Analysis**

INTERSECTION	PEAK HOUR	PREFERRED LAND USE ALTERNATIVE			WITH IMPROVEMENTS			Δ	SIGNIFICANT?
		TRAFFIC CONTROL	DELAY (s)	LOS (b)	TRAFFIC CONTROL	DELAY (s)	LOS (b)		
1 Beyer Blvd & Iris Ave SR-905 WB Ramps	AM	Signal	32.7	C	Signal	22.1	C	-10.6	NO
	PM		117.0	F		54.9	D	-62.1	NO
2 Beyer Blvd & Dairy Mart Rd SR-905 Ramps	AM	Signal	79.7	E	Signal	25.9	C	-53.8	NO
	PM		44.6	D		41.3	D	-3.3	NO
4 Smythe Crossing & Beyer Blvd	AM	One-Way Stop	13.8	B	Signal	10.5	B	-3.3	NO
	PM		ECL	F		6.6	A	-	NO
5 Beyer Blvd & Smythe Ave	AM	Signal	ECL	F	Signal	54.9	D	-	NO
	PM		38.5	D		17.3	B	-21.2	NO
6 W. Park Ave/Alaquinas Dr & Beyer Blvd	AM	Signal	160.6	F	Signal	51.0	D	-109.6	NO
	PM		20.7	C		15.3	B	-5.4	NO
7 East Beyer Blvd/Otay Mesa Rd & Beyer Blvd	AM	Signal	ECL	F	Signal (c)	195.2	F	-	NO
	PM		ECL	F		155.8	F	-	NO

Notes:

**Bold** values indicate intersections operating at LOS E or F.

ECL = Exceeds Calculable Limit. Reported when delay exceeds 180 seconds.

Shaded cells indicate roadway segment improvements identified in the San Ysidro Impact Study Fee (ISF)

(a) Delay refers to the average control delay for the entire intersection, measured in seconds per vehicle. At a two-way stop-controlled intersection, delay refers to the worst movement.

(b) LOS calculations are based on the methodology outlined in the 2000 Highway Capacity Manual and performed using Synchro 8

(c) With Otay Mesa Community Plan Improvements

(d) The construction of the new roundabout, new connection between Calle Primera en Camino de la Plaza, and traffic calming measures along Willow Road will degougest the area.

The saturation flow rate at the intersection of Camino de la Plaza and I-5 Southbound Ramps was adjusted to replicate existing conditions when the I-5 Southbound inspection lane is open entering Mexico.

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**Intersections**

Implementation of the improvements identified in Tables 5.2-13 and 5.2-15 of the Final PEIR would reduce impacts of the SYCPU on local intersections. Improvements within Tables 5.2-13 are included in the IFS, and will be implemented based on funding generated by development fees. Other improvements are identified in Tables 5.2-15. However, no identified funding sources exist because they are not included in the IFS. While implementation of the improvements identified in Tables 5.2-13 and 5.2-15 would reduce impacts on roadway segments to acceptable levels, the City cannot assure that these improvements would be implemented. Insufficient right-of-way is likely to exist to accommodate Mitigation Measure 55, and Mitigation Measure TRF-56 is not considered consistent with the mobility goals. Thus, the impact of the SYCPU with respect to intersections is considered unavoidable.

**TABLE 5.2-15  
INTERSECTION IMPROVEMENTS  
(Not Included In Impact Fee Study)**

























Mitigation Measure Number	Intersection Number	Intersection	Improvement
TRF-55	7	East Beyer Blvd/Otay Mesa Road and Beyer Boulevard	Install 4-lane major arterial with exclusive left- and right-turn lanes on east leg of the intersection.

Scenario 4 LOS Worksheets

AM Horizon Year

1: E Beyer Blvd/Otay Mesa Rd & Beyer Blvd

HCM 6th Signalized Intersection Summary

























												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	564	802	340	866	920	218	466	372	808	133	265	508
Future Volume (veh/h)	564	802	340	866	920	218	466	372	808	133	265	508
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.92	1.00		0.96	1.00		0.88	1.00		0.96
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	613	872	370	941	1000	237	507	404	878	145	288	280
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	688	952	1167	893	1174	665	595	745	1234	181	502	934
Arrive On Green	0.20	0.27	0.27	0.26	0.33	0.33	0.17	0.21	0.21	0.10	0.14	0.14
Sat Flow, veh/h	3456	3554	2562	3456	3554	1525	3456	3554	2446	1781	3554	2678
Grp Volume(v), veh/h	613	872	370	941	1000	237	507	404	878	145	288	280
Grp Sat Flow(s),veh/h/ln	1728	1777	1281	1728	1777	1525	1728	1777	1223	1781	1777	1339
Q Serve(g_s), s	21.5	29.6	11.7	32.1	32.6	13.0	17.7	12.6	26.0	9.9	9.4	9.6
Cycle Q Clear(g_c), s	21.5	29.6	11.7	32.1	32.6	13.0	17.7	12.6	26.0	9.9	9.4	9.6
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	688	952	1167	893	1174	665	595	745	1234	181	502	934
V/C Ratio(X)	0.89	0.92	0.32	1.05	0.85	0.36	0.85	0.54	0.71	0.80	0.57	0.30
Avail Cap(c_a), veh/h	826	952	1167	893	1174	665	718	745	1234	483	970	1286
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	48.4	44.1	22.8	46.1	38.7	23.7	49.9	43.8	27.3	54.6	49.8	30.2
Incr Delay (d2), s/veh	10.5	14.8	0.7	45.3	6.1	0.3	9.7	1.2	2.3	13.1	1.8	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	10.0	14.5	3.5	19.2	14.9	4.6	8.2	5.5	10.4	5.0	4.2	3.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	58.9	58.9	23.5	91.4	44.9	24.1	59.6	45.0	29.5	67.7	51.6	30.5
LnGrp LOS	E	E	C	F	D	C	E	D	C	E	D	C
Approach Vol, veh/h		1855			2178			1789			713	
Approach Delay, s/veh		51.8			62.7			41.5			46.6	
Approach LOS		D			E			D			D	
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G + Y + Rc), s	37.0	38.2	26.3	22.8	29.2	46.0	17.8	31.2				
Change Period (Y + Rc), s	4.9	4.9	4.9	5.2	4.5	4.9	5.2	* 5.2				
Max Green Setting (Gmax), s	32.1	33.3	25.8	33.9	29.7	36.1	33.7	* 26				
Max Q Clear Time (g_c + I1), s	34.1	31.6	19.7	11.6	23.5	34.6	11.9	28.0				
Green Ext Time (p_c), s	0.0	1.1	1.7	4.8	1.3	1.1	0.7	0.0				
<b>Intersection Summary</b>												
HCM 6th Ctrl Delay			52.1									
HCM 6th LOS			D									

LOS Engineering, Inc.

PM Horizon Year

1: E Beyer Blvd/Otay Mesa Rd & Beyer Blvd

HCM 6th Signalized Intersection Summary

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	79	582	212	1030	657	78	130	121	591	222	130	116
Future Volume (veh/h)	79	582	212	1030	657	78	130	121	591	222	130	116
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.90	1.00		0.97	1.00		0.86	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	86	633	230	1120	714	85	141	132	642	241	141	-146
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	133	719	668	1157	1781	1013	200	621	1351	272	965	865
Arrive On Green	0.04	0.20	0.20	0.33	0.50	0.50	0.06	0.17	0.17	0.15	0.27	0.00
Sat Flow, veh/h	3456	3554	2507	3456	3554	1539	3456	3554	2389	1781	3554	2790
Grp Volume(v), veh/h	86	633	230	1120	714	85	141	132	642	241	141	-146
Grp Sat Flow(s),veh/h/ln	1728	1777	1253	1728	1777	1539	1728	1777	1194	1781	1777	1395
Q Serve(g_s), s	3.7	25.7	11.1	47.5	18.7	3.0	6.0	4.7	26.0	19.7	4.5	0.0
Cycle Q Clear(g_c), s	3.7	25.7	11.1	47.5	18.7	3.0	6.0	4.7	26.0	19.7	4.5	0.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	133	719	668	1157	1781	1013	200	621	1351	272	965	865
V/C Ratio(X)	0.65	0.88	0.34	0.97	0.40	0.08	0.71	0.21	0.48	0.89	0.15	-0.17
Avail Cap(c_a), veh/h	708	719	668	1163	1781	1013	536	621	1351	406	965	865
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	70.6	57.6	44.9	48.7	23.2	9.4	68.9	52.7	24.5	61.8	41.1	0.0
Incr Delay (d2), s/veh	5.2	14.6	1.4	19.1	0.1	0.0	7.6	0.3	0.4	18.5	0.1	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.7	12.8	3.6	22.9	7.7	1.0	2.8	2.1	7.4	10.2	2.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	75.8	72.2	46.3	67.9	23.3	9.5	76.5	52.9	24.9	80.2	41.2	0.0
LnGrp LOS	E	E	D	E	C	A	E	D	C	F	D	A
Approach Vol, veh/h		949			1919			915			236	
Approach Delay, s/veh		66.2			48.7			36.9			106.6	
Approach LOS		E			D			D			F	
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G + Y + Rc), s	54.7	35.0	13.5	45.6	10.2	79.5	27.9	31.2				
Change Period (Y + Rc), s	4.9	4.9	4.9	5.2	4.5	4.9	5.2	* 5.2				
Max Green Setting (Gmax), s	50.1	30.1	23.1	36.8	30.5	50.1	33.9	* 26				
Max Q Clear Time (g_c + I1), s	49.5	27.7	8.0	6.5	5.7	20.7	21.7	28.0				
Green Ext Time (p_c), s	0.3	1.1	0.6	1.3	0.2	4.9	1.0	0.0				
<b>Intersection Summary</b>												
HCM 6th Ctrl Delay			53.6									
HCM 6th LOS			D									

LOS Engineering, Inc.

## Attachment C

### Excerpts from the San Ysidro Community Plan Update



# San Ysidro

## COMMUNITY PLAN AND LOCAL COASTAL PROGRAM LAND USE PLAN

Adopted: November, 2016. Amended: October, 2017



Figure 3-15: Existing 2012 Functional Street Classification

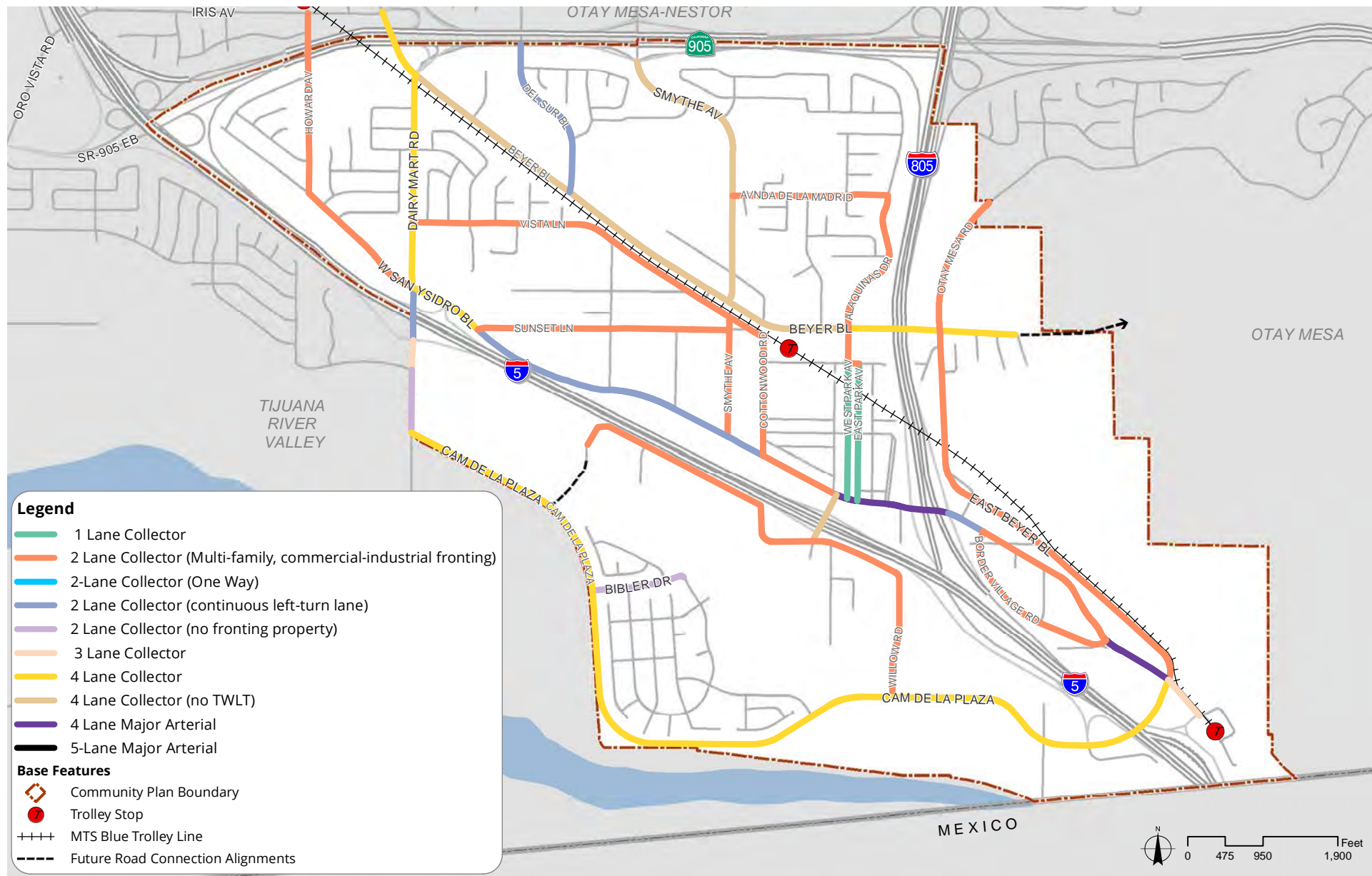
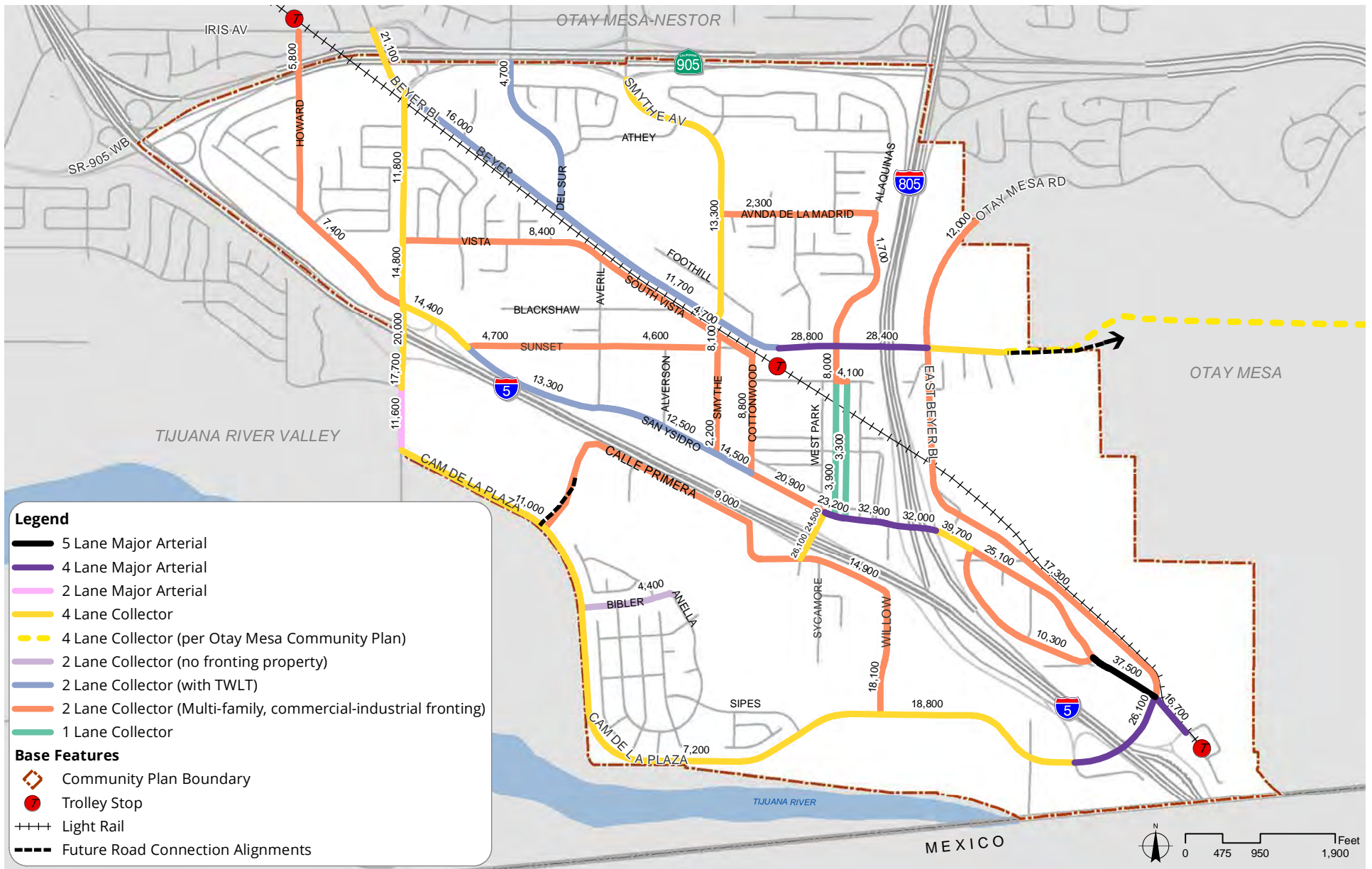


Figure 3-16: Future Planned Street Classifications and Daily Traffic



Attachment D

SANDAG Series 13 Select Zone Assignment for SWV

SANDAG  
Series13

Regional Model  
Year 2012

Otay Mesa

Select Zone Run  
TAZ 4948

Version 13.3.3  
Scenario ID1315

join

ifc

10  
1; 2; 3; 4; 5; 6; 7; 8; 9

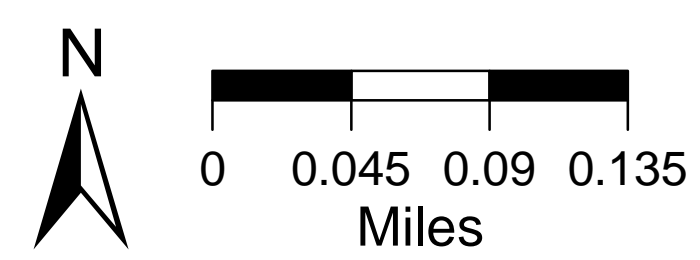
Selected Zone(s)

# Select Zone Vol and %

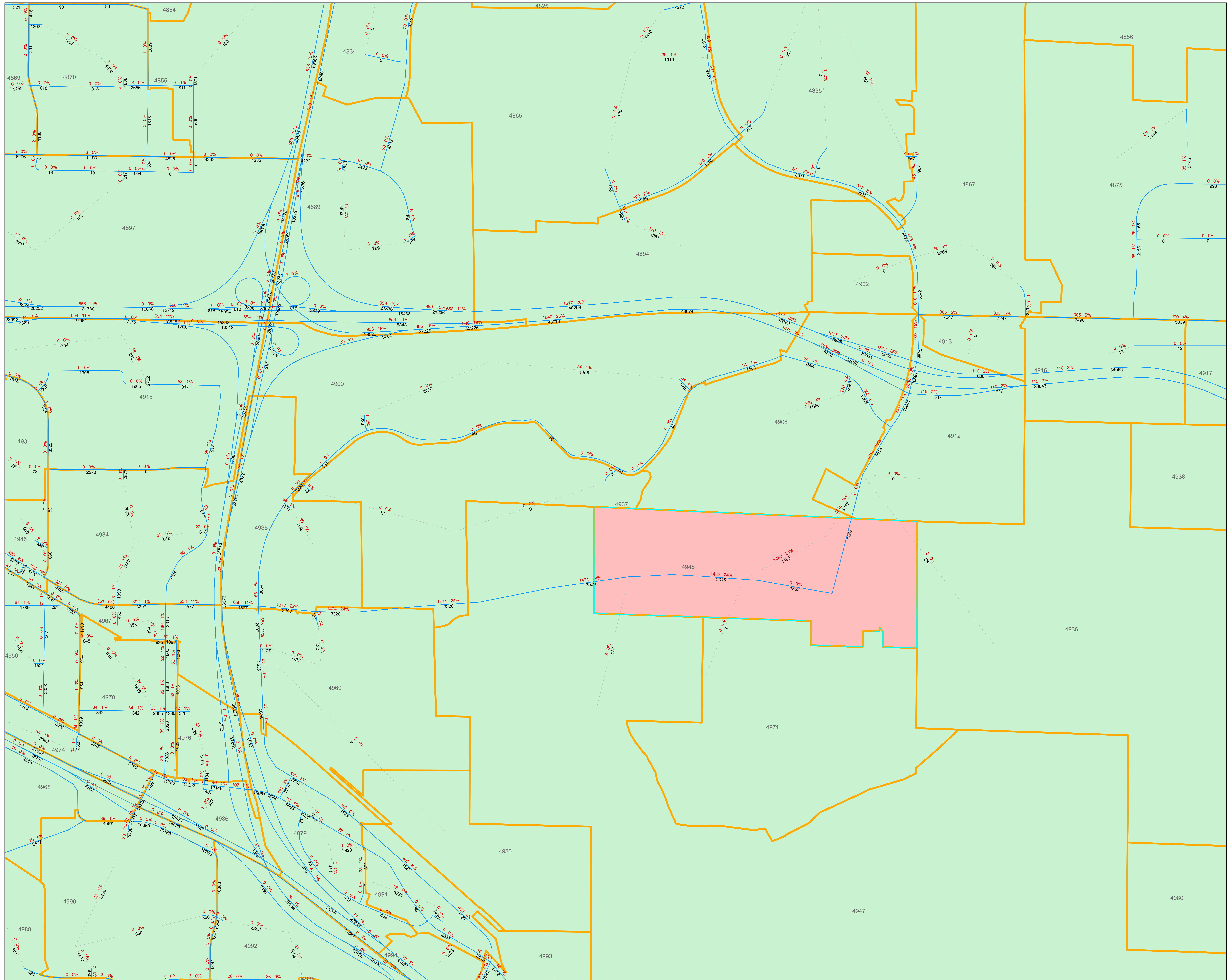
# Model Estimated ADT

Portions of this map contain information from the San Diego Association of Governments (SANDAG) Regional Information System. This product cannot be reproduced without the written permission of SANDAG.

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Date: July 2, 2021



Attachment E

Specific Plan Planning Area Phasing Details

Table 7.2 – Phasing Summary

PHASE / TARGET LAND USE ASSUMPTIONS	ON-SITE IMPROVEMENTS	OFF-SITE IMPROVEMENTS
<b>Phase 1</b>		
<p>Planning Areas</p> <ul style="list-style-type: none"> <li>• 8, 9, 10, 11, 12, 13, 14</li> </ul> <p>1,315 Maximum Residential Units:</p> <ul style="list-style-type: none"> <li>• 282 Multifamily Residential (20-44 du/ac)</li> <li>• 490 Multifamily Residential (15-29 du/ac)</li> <li>• 543 Single Family Residential (8-22 du/ac)</li> </ul>	<p><u>Mobility Network. The following shall be constructed:</u></p> <ul style="list-style-type: none"> <li>• Beyer Boulevard West (from West Avenue to <del>the</del> western Specific Plan boundary) <del>would be required to</del> <u>shall</u> be constructed <del>at the 700th dwelling unit prior to the 700th dwelling unit or earlier</del> in Phase 1 <del>way</del>.</li> <li>• Beyer Boulevard East (from Caliente Avenue to West Avenue, northern half of the street)</li> <li>• Central Avenue (from Caliente Avenue to Beyer <del>Bld</del> <u>Boulevard</u>)</li> <li>• Street A (from western cul-de sac to West Avenue <u>ue</u>)</li> <li>• West Avenue (western half of the street from Beyer <del>Bld</del> <u>Boulevard</u> to Street B <u>and</u> full width south of Street B)</li> <li>• Beyer <u>Boulevard Bld</u> / Central Avenue Intersection (interim conditions per Southwest Village Specific Plan Transportation Phasing Plan (Appendix <u>FE</u>))</li> <li>• T-intersection at Caliente Avenue <u>ue</u> / Central Avenue <u>ue</u></li> <li>• Secondary Emergency Vehicle Access Road (<u>shall be</u> constructed at the 201st dwelling unit)</li> </ul> <p><u>Parks and Trails. The following shall be constructed:</u></p> <ul style="list-style-type: none"> <li>• Planning Area 8 Pocket Park: HH</li> <li>• Planning Area 9 Pocket Park: II</li> <li>• Planning Area 10 Pocket Parks: AA, BB, CC, and DD</li> <li>• Planning Area 10 Paseos</li> <li>• Planning Area 11 Pocket Parks: MM and OO</li> <li>• Planning Area 12 Pocket Parks: SS, XX</li> <li>• Planning Area 12 Paseos</li> <li>• Planning Area 13 Pocket Parks: PP, RR</li> <li>• Planning Area 13 Paseos</li> <li>• Planning Area 14 Pocket Parks: YY</li> <li>• Planning Area 14 Paseos</li> <li>• Multi-use Perimeter Trail and trail amenities (Specific Plan area entrance at Caliente Avenue to <u>the</u> eastern boundary of Planning Area 14)</li> <li>• Primitive Trails Type A that connect to <u>Planning Areas</u> 12 and 14 (including the closure of non-conforming trails adjacent to these trails)</li> </ul> <p><u>Other Infrastructure. The following shall be constructed:</u></p> <ul style="list-style-type: none"> <li>• Landscape infrastructure in Planning Areas 8 - 14</li> <li>• 16-inch water line backbone loop along Central Avenue, Beyer Boulevard between Central Avenue and West Avenue, and along West Avenue</li> <li>• 18-inch gravity sewer line along Beyer Boulevard and West Avenue. Eight-inch gravity sewer along Street A in Planning Areas 11-14</li> </ul>	<p><u>Mobility Network. The following shall be constructed:</u></p> <ul style="list-style-type: none"> <li>• Beyer Boulevard <del>from from the project Specific Plan boundary to current terminus in San Ysidro at</del> Enright Drive <del>will shall</del> be <del>required to be</del> constructed <del>at the 700th dwelling unit prior to the 700th dwelling unit or earlier</del> in Phase 1</li> <li>• Intersection of Caliente Avenue at SR- 905 <del>WB westbound</del> ramp: re-stripe the northbound single left turn lane into a dual left turn lane, upgrade <u>the</u> traffic controller, and construct <u>a</u> second receiving lane to the westbound on-ramp</li> <li>• Intersection of Caliente Avenue at SR- 905 <u>eastbound EB</u> ramp: upgrade traffic controller</li> <li>• Intersection of Caliente Avenue <u>ue</u> / Ocean View Hills / Otay Mesa <u>Road</u>: upgrade traffic controller</li> <li>• Intersection of Caliente Avenue <u>ue</u> / Airway <u>Road</u>: upgrade traffic controller</li> <li>• Caliente Avenue <u>ue</u> from the existing southern terminus to Central Avenue <u>ue</u></li> <li>• Secondary Emergency Vehicle Access Road, from <u>the Specific Plan project</u> boundary to Rail Court to the southwest, will be required to be constructed at the 201st dwelling unit</li> </ul> <p><u>Park and Trails. The following shall be constructed:</u></p> <ul style="list-style-type: none"> <li>• Primitive Trails Type A</li> </ul>

PHASE / TARGET LAND USE ASSUMPTIONS	ON-SITE IMPROVEMENTS	OFF-SITE IMPROVEMENTS
<b>Phase 2</b>		
<p>Planning Areas</p> <ul style="list-style-type: none"> <li>• 15, 16, 17, 18, 19, 20</li> </ul> <p>988 Residential Units:</p> <ul style="list-style-type: none"> <li>• 237 Multifamily Residential (15-29 du/ac)</li> <li>• 136<sup>1</sup> Contingency Multifamily Residential in <u>Planning Area 16</u> (15-29 du/ac)</li> <li>• 615 Single Family Residential (8-22 du/ac)</li> </ul>	<p><u>Mobility Network. The following shall be constructed:</u></p> <ul style="list-style-type: none"> <li>• Caliente Avenue from Central Avenue to Beyer Boulevard</li> <li>• Caliente Avenue / Beyer Boulevard Intersection</li> <li>• <del>S-South</del>-Caliente Avenue (full-width north of Beyer Boulevard <del>and</del> south of Street B)</li> <li>• <del>South S-</del>Caliente Avenue (eastern half of the street from Beyer Boulevard to Street B)</li> <li>• Street B (full-width east of <del>South-</del> Caliente Avenue)</li> <li>• Street B (southern half of the street from West Avenue to <del>South-</del> Caliente Avenue)</li> <li>• Street C (all segments)</li> <li>• Street D (all segments)</li> <li>• East Avenue (all segments)</li> </ul> <p><u>Parks and Trails. The following shall be constructed:</u></p> <ul style="list-style-type: none"> <li>• Neighborhood Park in Planning Area 17</li> <li>• Paseo along Street C (from West Avenue to East Avenue)</li> <li>• <u>Paseo between Planning Area 19 and 20</u></li> <li>• Multi-use Perimeter Trail (Terminus of Phase 1 to northern boundary of Planning Area 19)</li> <li>• <del>Public multi-use Perimeter Trail in Planning Areas 15, 18, and 19</del></li> <li>• <u>Public mini/pocket parks in Planning Areas 19 and 20</u></li> <li>• <u>Perimeter Trail in Planning Area 20</u></li> <li>• Primitive Trails Type A that connect to <u>Planning Areas PA 15 and 18</u> (including the closure of non-conforming trails adjacent to these trails)</li> </ul> <p><u>Other Infrastructure. The following shall be constructed:</u></p> <ul style="list-style-type: none"> <li>• Landscape infrastructure in Planning Areas 15 - 20</li> <li>• Southwest Village Elementary School (1) (Planning Area 16)</li> <li>• Sewer <del>Lift Pump</del> Station east of Street D</li> </ul>	<p><u>Other Infrastructure. The following shall be constructed:</u></p> <ul style="list-style-type: none"> <li>• <del>A</del> 16-inch water line in Otay Mesa Road and Beyer Boulevard between Enright Drive and Princess Park Pump Station.</li> <li>• <del>A conditional assessment report to determine the required upgrades improvements at existing the Princess Park Pump Station to become operational provide a redundant water supply.</del></li> <li>• <del>Upsize the existing 12-inch<sup>2</sup> gravity sewer to 27 inches<sup>2</sup> in East-</del> Beyer Boulevard between Beyer Boulevard and <del>trolley tracks</del><u>the rail right-of-way.</u></li> <li>• Upsize <del>the existing 18-inch<sup>2</sup> gravity sewer to 33 inches<sup>2</sup> in East-</del> Beyer Boulevard and Center Street between Hill Street and <del>East-</del> San Ysidro Boulevard.</li> </ul>

1. ~~In the unlikely event~~ If the SYSD determines that a school is no longer needed on Planning Area 16, the site will default to Medium Density Residential use. Although the contingency for Planning Area 16 would result in approximately 136 additional dwelling units, the maximum dwelling unit cap of 5,130 units would still apply.

PHASE / TARGET LAND USE ASSUMPTIONS	ON-SITE IMPROVEMENTS	OFF-SITE IMPROVEMENTS
<b>Phase 3</b>		
<p>Planning Areas</p> <ul style="list-style-type: none"> <li>• 4, 5</li> </ul> <p>819 Multifamily Residential (15-29 du/ac) units</p>	<p><u>Mobility Network. The following shall be constructed:</u></p> <ul style="list-style-type: none"> <li>• 1st Avenue</li> <li>• Spine Road</li> <li>• Central Avenue (Caliente Avenue to 1st Avenue)</li> </ul> <p><u>Parks and Trails. The following shall be constructed:</u></p> <ul style="list-style-type: none"> <li>• Public mini/pocket parks in Planning Area 5</li> <li>• Public multi-use Pathway (internal to Planning Area 5)</li> <li>• Public multi-use Perimeter Trail (Planning Area 5)</li> <li>• Paseo</li> </ul> <p><u>Other Infrastructure. The following shall be constructed:</u></p> <ul style="list-style-type: none"> <li>• Landscape infrastructure in Planning Areas 4 and 5</li> <li>• 12-inch sewer force main along Spine Road</li> <li>• 10-inch gravity sewer line along Caliente Avenue from <u>the</u> terminus to Beyer Boulevard</li> <li>• Sewer Lift Station</li> </ul>	
<b>Phase 4</b>		
<p>Planning Areas: 1, 2, 3, 6, 7</p> <p><del>424</del> <u>384</u> Multifamily Residential (15-29 du/ac) units</p>	<p><u>Parks and Trails. The following shall be constructed:</u></p> <ul style="list-style-type: none"> <li>• Public multi-use Perimeter Trail in Planning Area <del>6</del> <u>and 7</u></li> <li>• Public neighborhood park in Planning Area <del>2</del> <u>and 3</u></li> </ul> <p><u>Other Infrastructure. The following shall be constructed:</u></p> <ul style="list-style-type: none"> <li>• Landscape infrastructure in Planning Areas 1, 2, 3, 6, and 7</li> <li>• [Water/sewer improvements <u>to be determined</u> <del>FBD</del>]</li> </ul>	<p><u>Mobility Network. The following shall be constructed:</u></p> <ul style="list-style-type: none"> <li>• Improve Beyer <del>Blvd</del> <u>Boulevard</u> between <del>East</del> Beyer <del>Blvd</del> <u>Boulevard</u> and Enright Drive to a Modified 4-Lane Urban Collector with buffered Class II bike lanes prior to the <del>3,301<sup>st</sup></del> <u>3,298<sup>th</sup></u> dwelling unit.</li> </ul> <p><u>Parks and Trails. The following shall be constructed:</u></p> <ul style="list-style-type: none"> <li>• Eastern Quadrant Trails – Segment <del>number</del> <u>(s) to be determined</u></li> </ul> <p><u>Other Infrastructure. The following shall be constructed:</u></p> <ul style="list-style-type: none"> <li>• Upsize existing 10-<u>inch</u><sup>2</sup> gravity sewer to 15 <u>inches</u><sup>2</sup> in Beyer Boulevard between Enright Drive and <del>East</del> Beyer Boulevard.</li> </ul>

PHASE / TARGET LAND USE ASSUMPTIONS	ON-SITE IMPROVEMENTS	OFF-SITE IMPROVEMENTS
<b>Phase 5</b>		
Planning Areas: 21  266-306 Multifamily Residential (8-22 du/ac) units	<u>Parks and Trails. The following shall be constructed:</u> <ul style="list-style-type: none"> <li>• Paseo (bike/pedestrian connection- <del>South-</del> Caliente Avenue to East Avenue)</li> <li>• Public mini/pocket parks in Planning Area 21</li> </ul> <u>Other Infrastructure. The following shall be constructed:</u> <ul style="list-style-type: none"> <li>• Landscape infrastructure in Planning Area 21</li> <li>• [Water/sewer improvements <u>to be determined</u>FBD]</li> </ul>	
<b>Phase 6</b>		
Planning Areas: 22  267 Multifamily Residential (15-29 du/ac) units	<u>Mobility Network. The following shall be constructed:</u> <ul style="list-style-type: none"> <li>• Emergency Vehicle Access Road from <del>South-</del> Caliente Avenue to East Avenue</li> </ul> <u>Parks and Trails. The following shall be constructed:</u> <ul style="list-style-type: none"> <li>• Public pocket park(s) in Planning Area 22</li> </ul> <u>Other Infrastructure. The following shall be constructed:</u> <ul style="list-style-type: none"> <li>• Landscape infrastructure in Planning Area 22</li> <li>• [Water/sewer improvements <u>to be determined</u>FBD]</li> </ul>	
<b>Phase 7</b>		
Planning Areas: 24, 25, 26, 27 1,187 Multifamily Residential (30-62 du/ac) units 175,000 square feet <u>of commercial uses</u>	<u>Mobility Network. The following shall be constructed:</u> <ul style="list-style-type: none"> <li>• Central Ave from Beyer Boulevard <del>East</del> to Street B</li> <li>• Street A from West Avenue to <del>South-</del> Caliente Avenue</li> <li>• Beyer Boulevard (southern half of the street from West Avenue to <del>South-</del> Caliente Avenue)</li> <li>• West Avenue (eastern half of the street from Beyer Boulevard to Street B)</li> <li>• Street B (northern half of the street)</li> <li>• <del>South-</del> Caliente Avenue (western half of the street from Beyer Boulevard <del>East</del> to Street B)</li> </ul> <u>Parks and Trails. The following shall be constructed:</u> <ul style="list-style-type: none"> <li>• Pocket parks and urban plazas in the Village Core (Planning Areas 24 - 27)</li> </ul> <u>Other Infrastructure. The following shall be constructed:</u> <ul style="list-style-type: none"> <li>• Landscape infrastructure in Planning Areas 24 - 27</li> <li>• Mobility hub with public transit stop</li> </ul>	<u>Other Infrastructure. The following shall be constructed:</u> <ul style="list-style-type: none"> <li>• Upsize <del>the</del> existing 15-inch<sup>2</sup> gravity sewer to 27 inches<sup>2</sup> in <del>East-</del> Beyer Boulevard between <del>the trolley tracks</del> <u>rail right-of-way</u> and Hill Street.</li> <li>• Perform efficiency testing at Ocean View Hills Pump Station.</li> </ul>
<b>Total</b> Dwelling Units: 5,130 Commercial Square Footage: 175,000		

Figure 7.3— Phasing

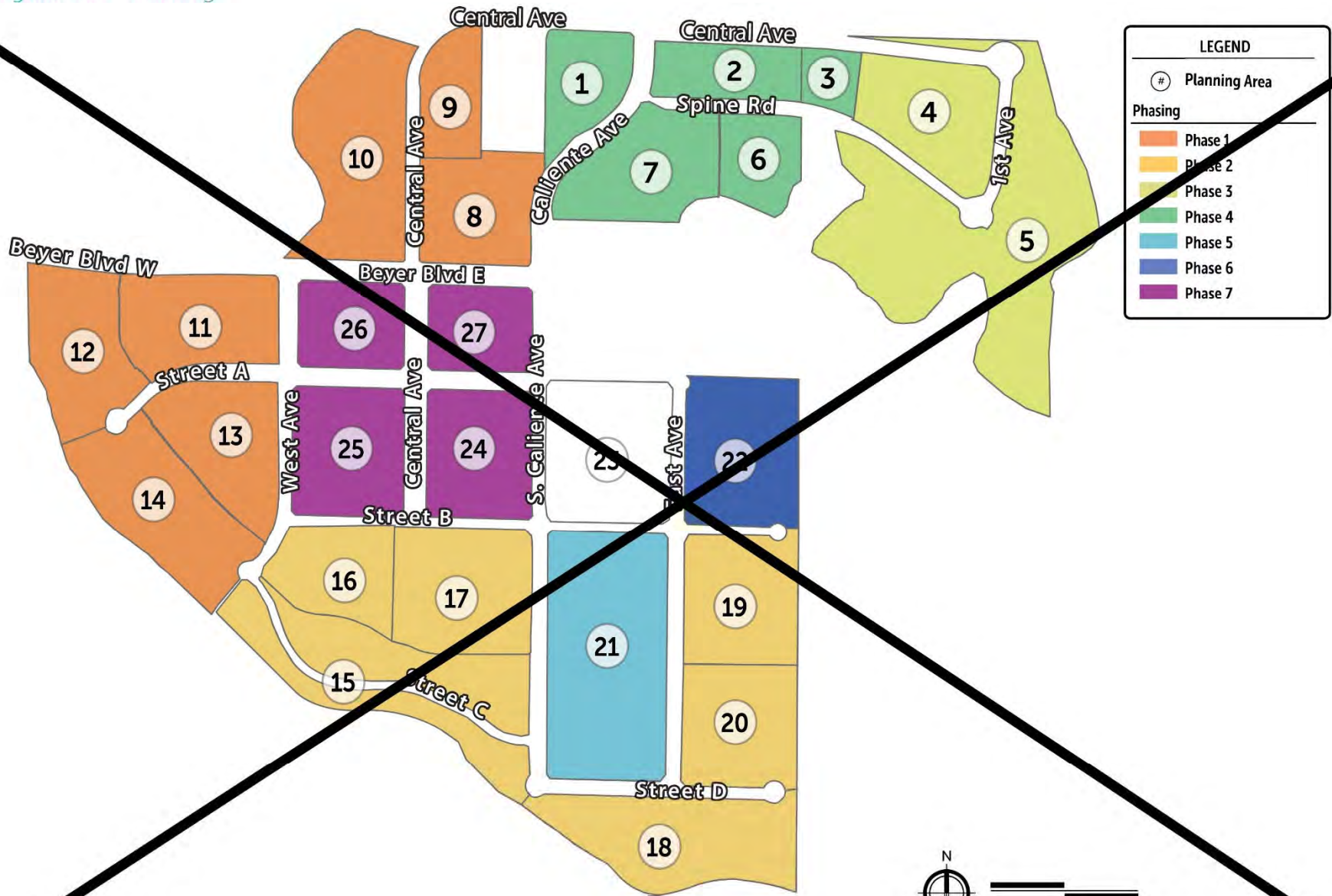


Figure 7.1 – Phasing

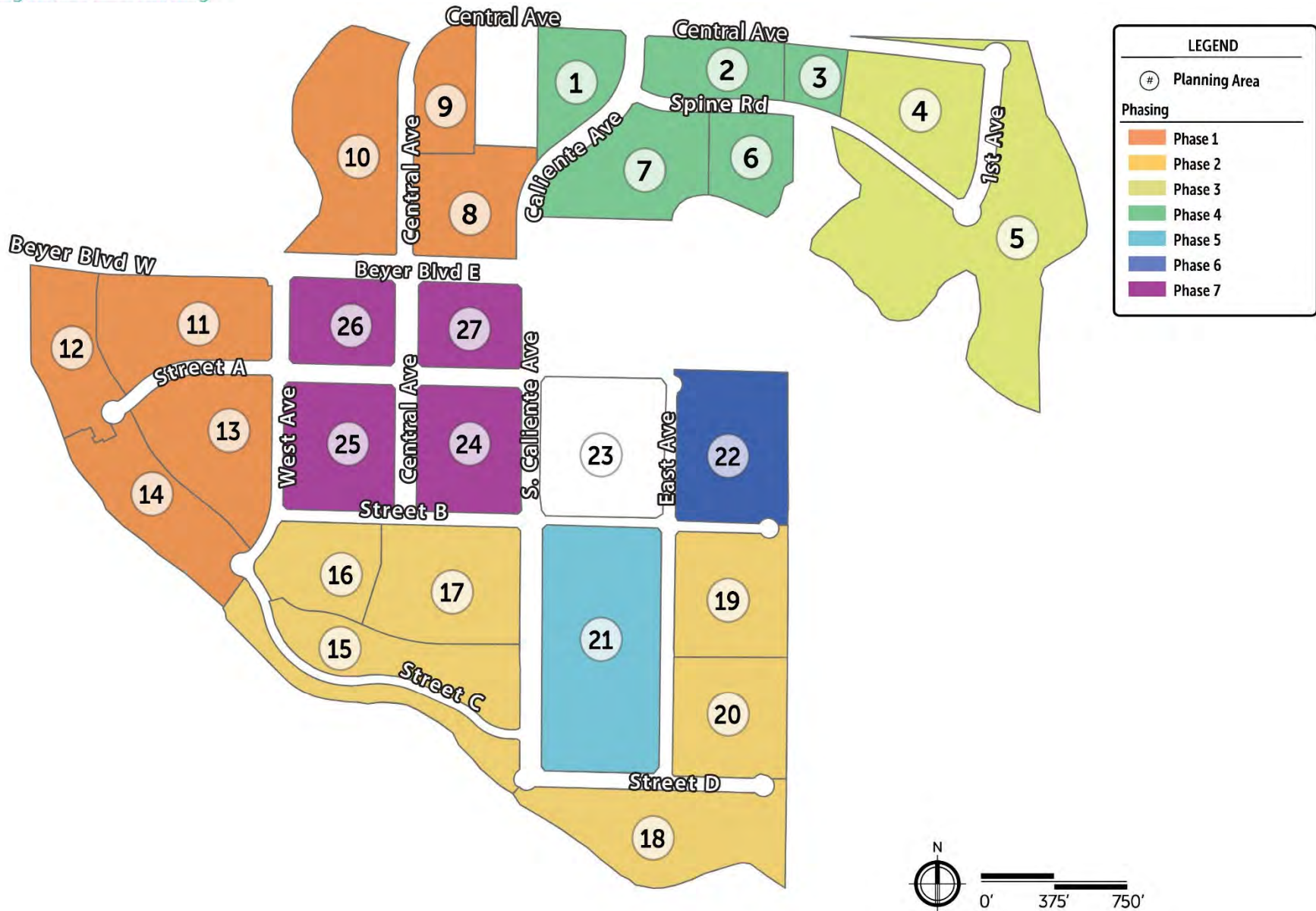
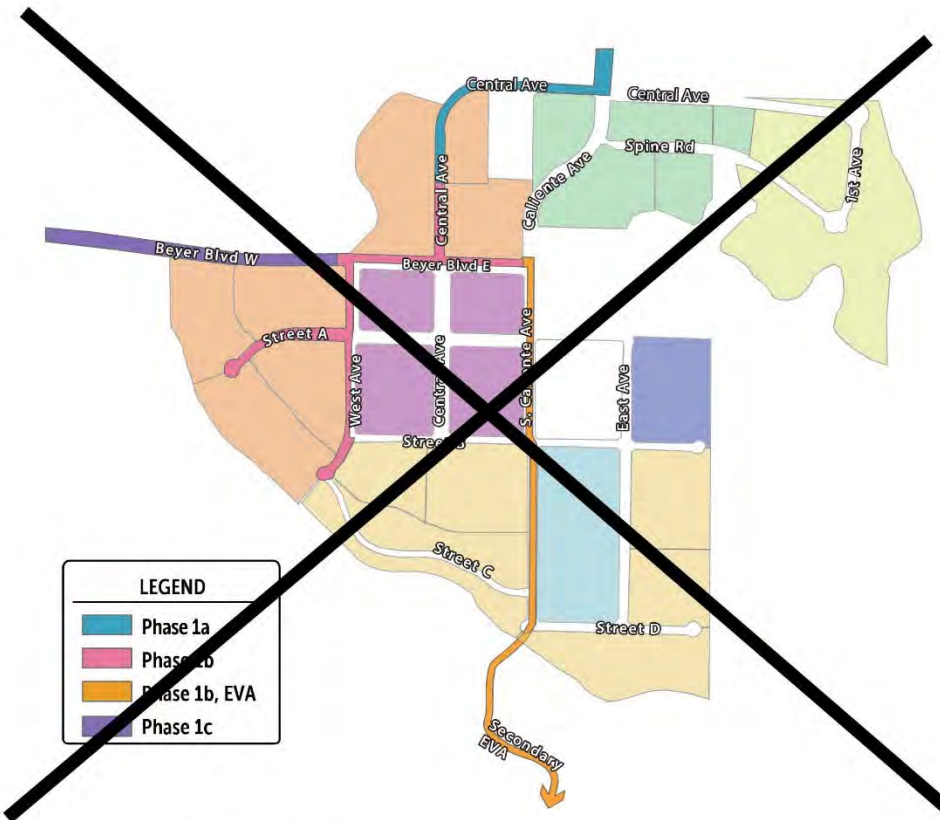


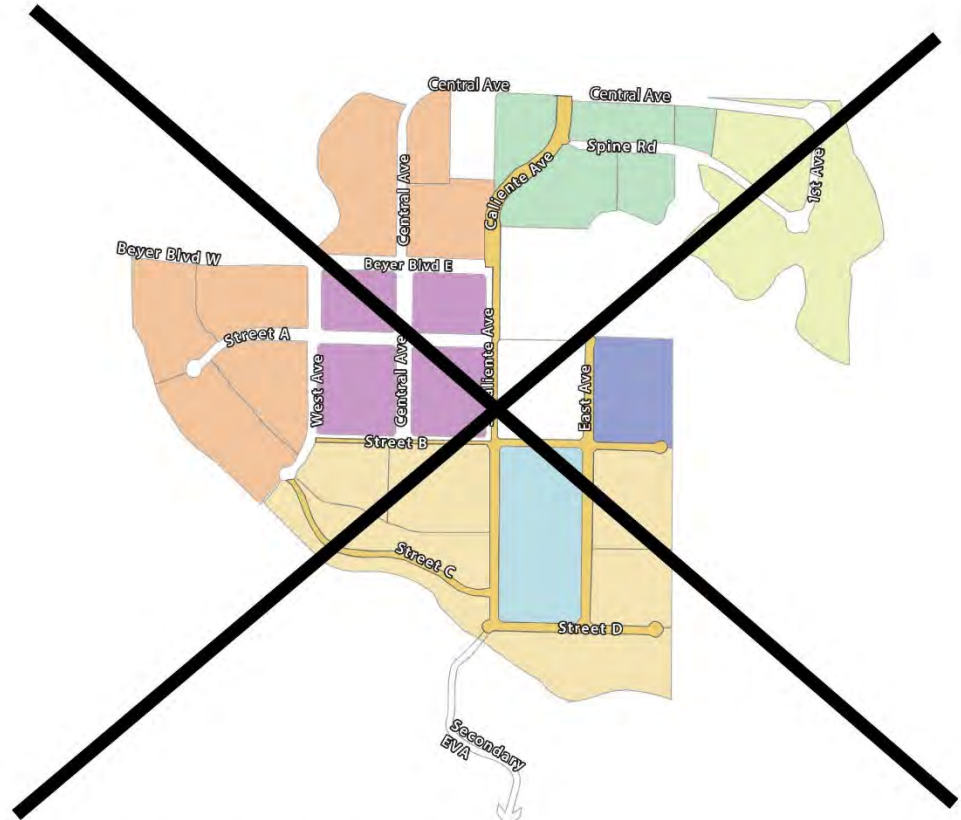
Figure 7.4— Phase 1 Roadways



Note: Phase 1b, Secondary Emergency Vehicle Access Road at the eastern terminus of E. Beyer Blvd and the future S-Caliente Ave intersection, extending south to Rail Court, as shown, will be implemented at the 201st dwelling unit.

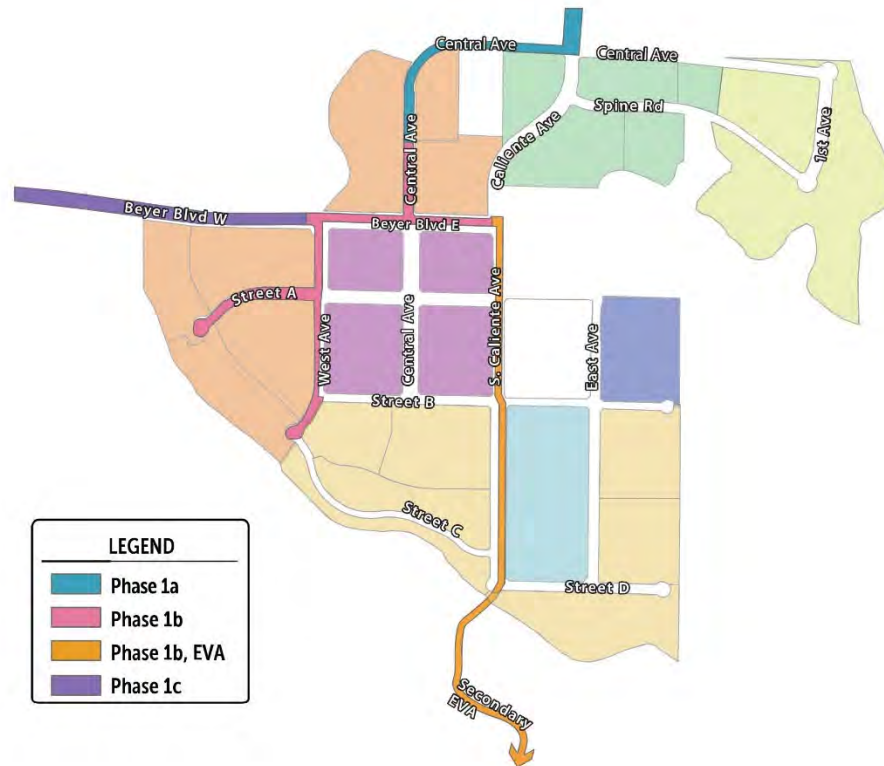
Note: Phase 1c, Beyer Blvd W. will be implemented at the 700th dwelling unit or earlier in Phase 1.

Figure 7.5— Phase 2 Roadways



Note: Secondary EVA Road extends south to Rail Court.

Figure 7.2 – Phase 1 Roadways



Note: Phase 1b, Secondary Emergency Vehicle Access Road at the eastern terminus of East Beyer Boulevard and the future South Caliente Avenue intersection, extending south to Rail Court, as shown, will be implemented at the 201st dwelling unit. Refer to Section 7.9, Supplemental Development Regulations

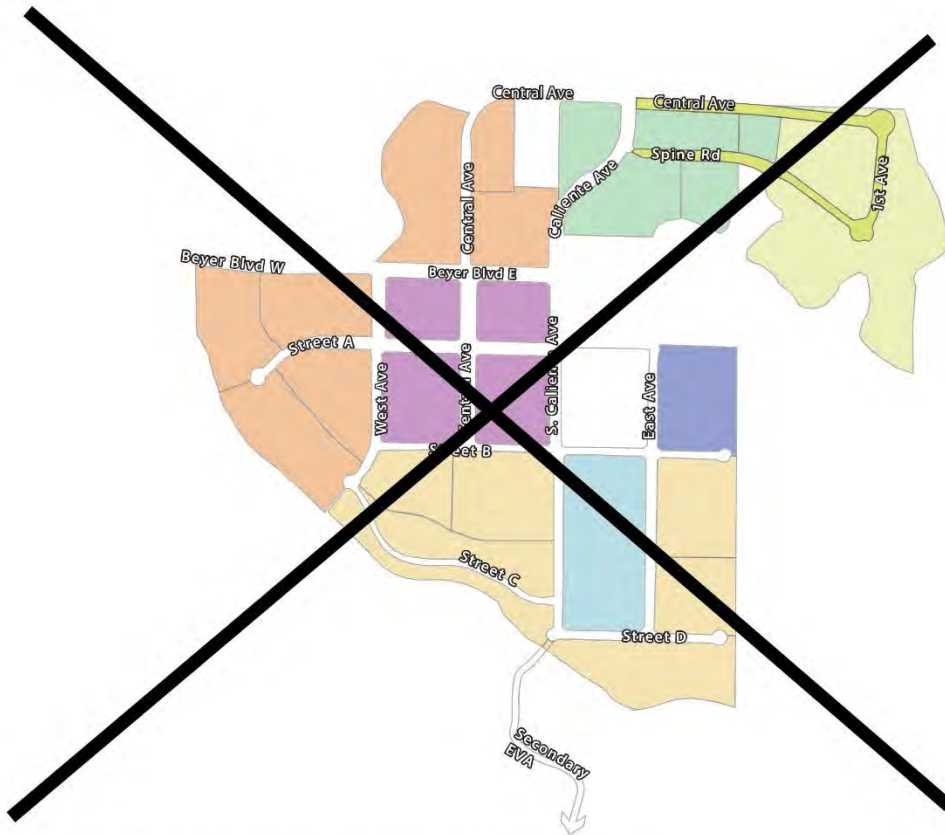
Note: Phase 1c, Beyer Boulevard West, will be implemented prior to the 700th dwelling unit in Phase 1.

Figure 7.3 – Phase 2 Roadways



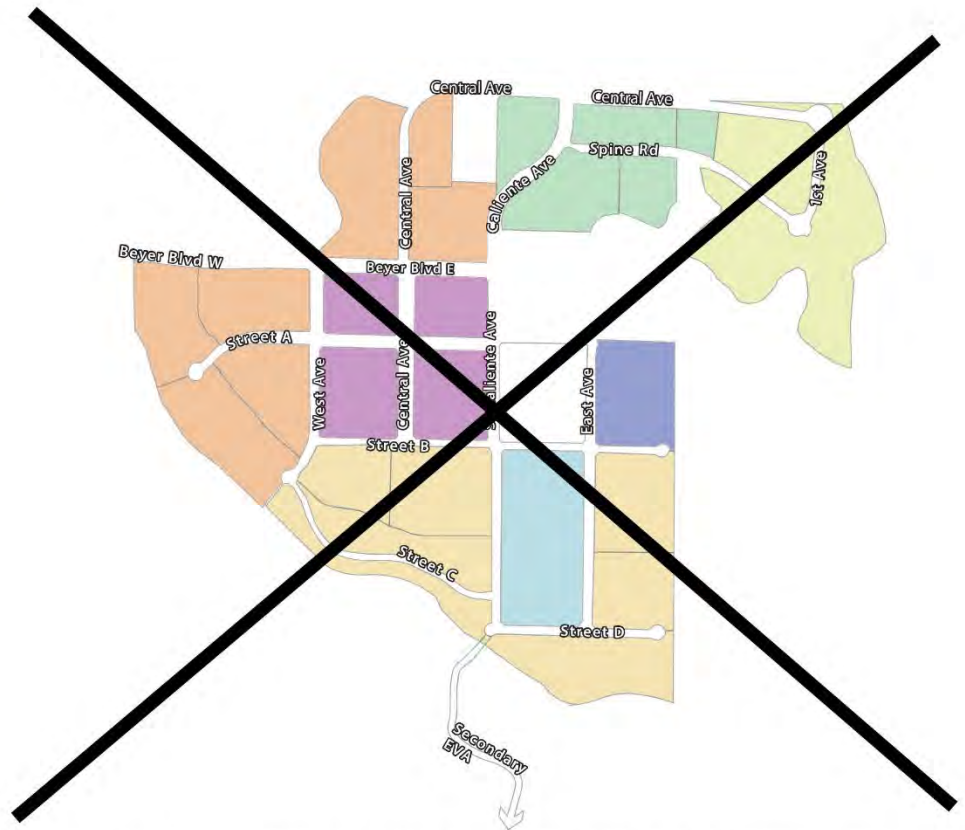
Note: Secondary Emergency Vehicle Access Road will extend south to Rail Court.

Figure 7.6— Phase 3 Roadways



Note: Secondary EVA Road extends south to Rail Court.

Figure 7.7— Phase 4 Roadways



Note: Off-site improvements to occur to widen Bayer Blvd between E Bayer Blvd/Otay Mesa Rd to Enright Dr.

Note: Secondary EVA Road extends south to Rail Court.

Figure 7.4 – Phase 3 Roadways



Note: Secondary Emergency Vehicle Access Road will extend south to Rail Court.

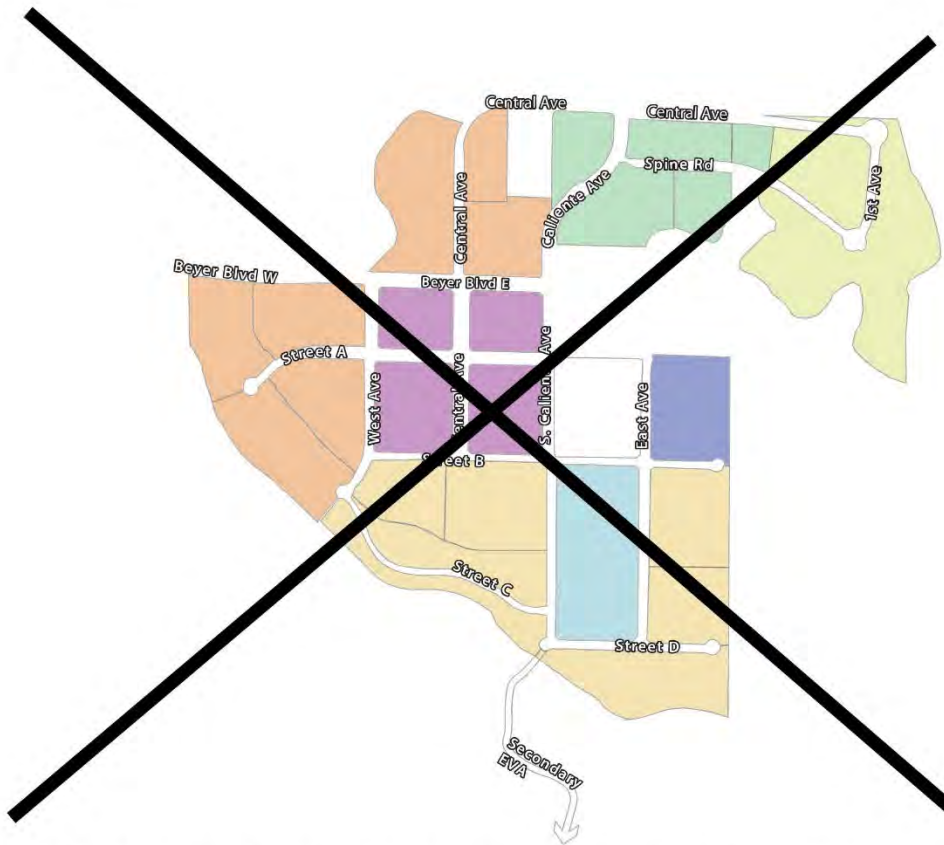
Figure 7.5 – Phase 4 Roadways



Note: Off-site improvements will widen Beyer Boulevard between East Beyer Boulevard /Otay Mesa Road to Enright Drive prior to the 3,298th dwelling unit.

Note: Secondary Emergency Vehicle Access Road will extend south to Rail Court.

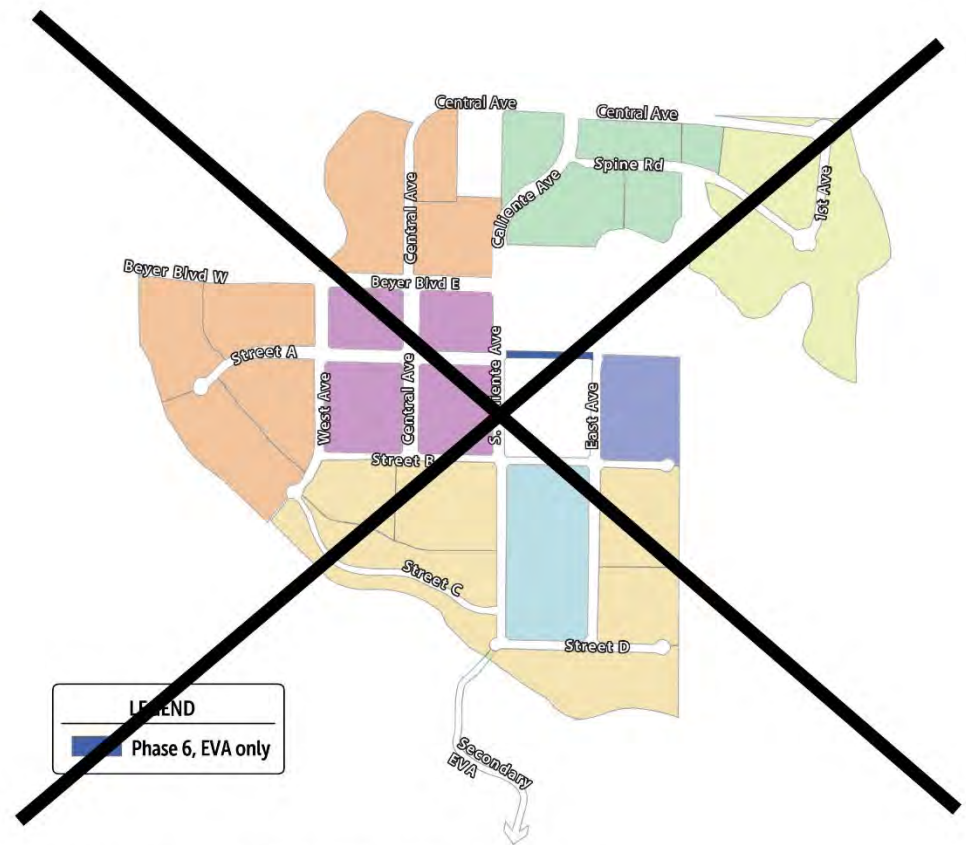
Figure 7.8— Phase 5 Roadways



Note: No additional roadways are expected to be required in this phase.

Note: Secondary EVA Road extends south to Rail Court.

Figure 7.9— Phase 6 Roadways



Note: Secondary EVA Road extends south to Rail Court.

Figure 7.6 – Phase 5 Roadways



Note: No additional streets are expected to be required in this phase.

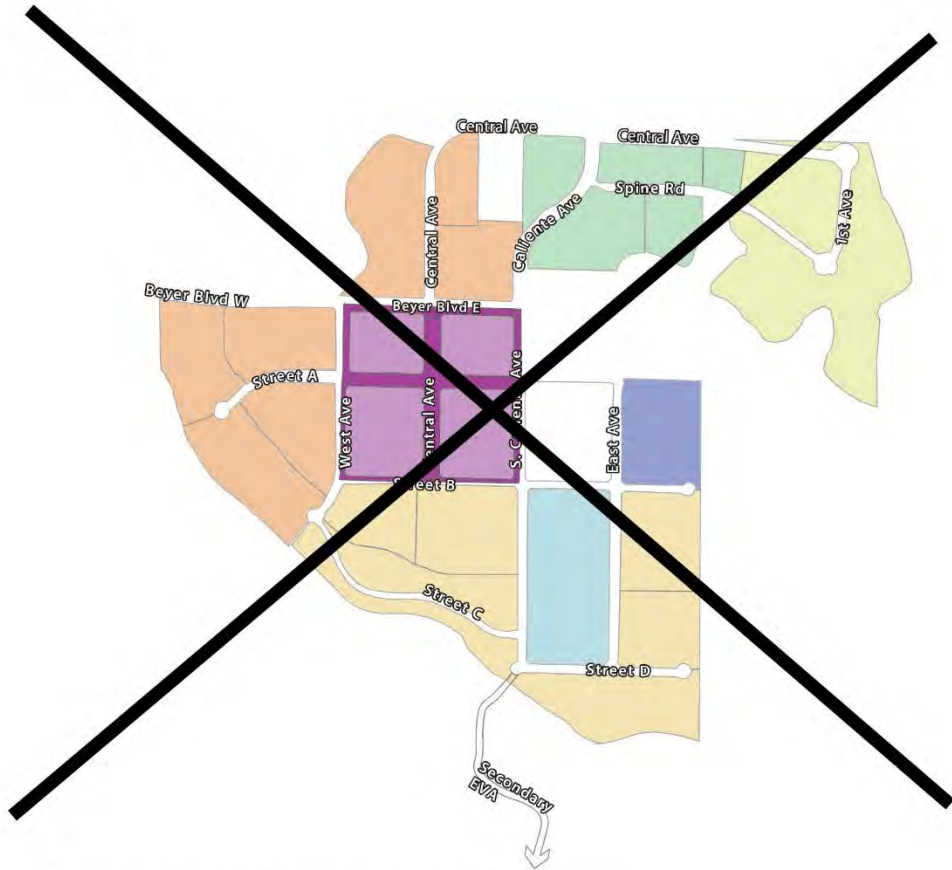
Note: Secondary Emergency Vehicle Access Road will extend south to Rail Court.

Figure 7.7 – Phase 6 Roadways



Note: Secondary Emergency Vehicle Access Road will extend south to Rail Court..

Figure 7.10 — Phase 7 Roadways



Note: Secondary EVA Road extends south to Rail Court.

Figure 7.8 – Phase 7 Roadways



Note: Secondary Emergency Vehicle Access Road will extend south to Rail Court.

Attachment F

San Ysidro Community Plan Update SANDAG Output

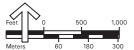
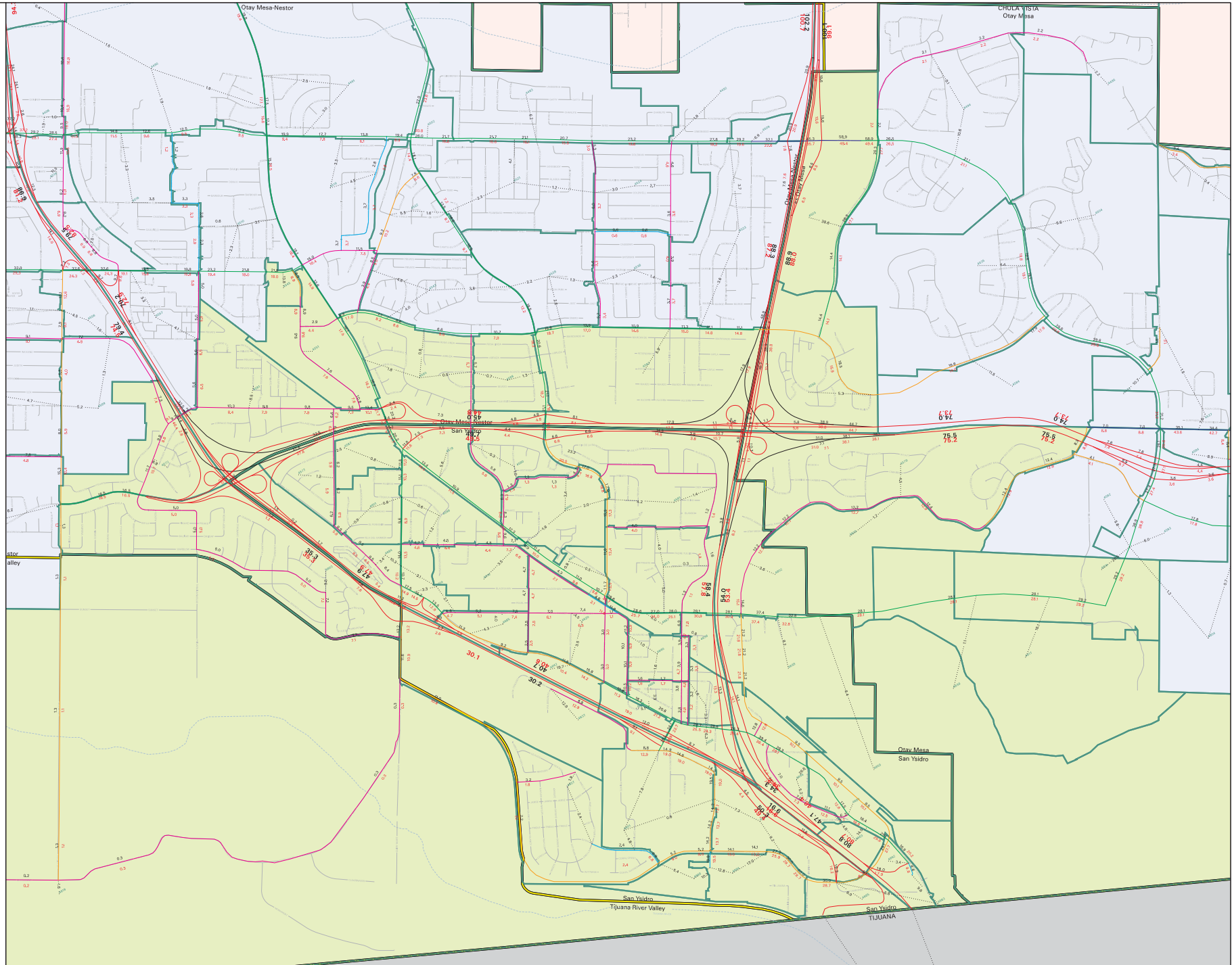


**SANDAG Series 12 2035  
Revenue Constrained  
2011 RTP Highway Network  
Forecasted Daily Volumes**  
**SAN YSIDRO**

Model Run: 05/14/14  
San Ysidro CDP  
2035 Scenario D - Proposed LU 2, Hybrid Network

**Forecasted Volumes**

- Adjusted Volume
- Unadjusted Volume
- Traffic Analysis Zone

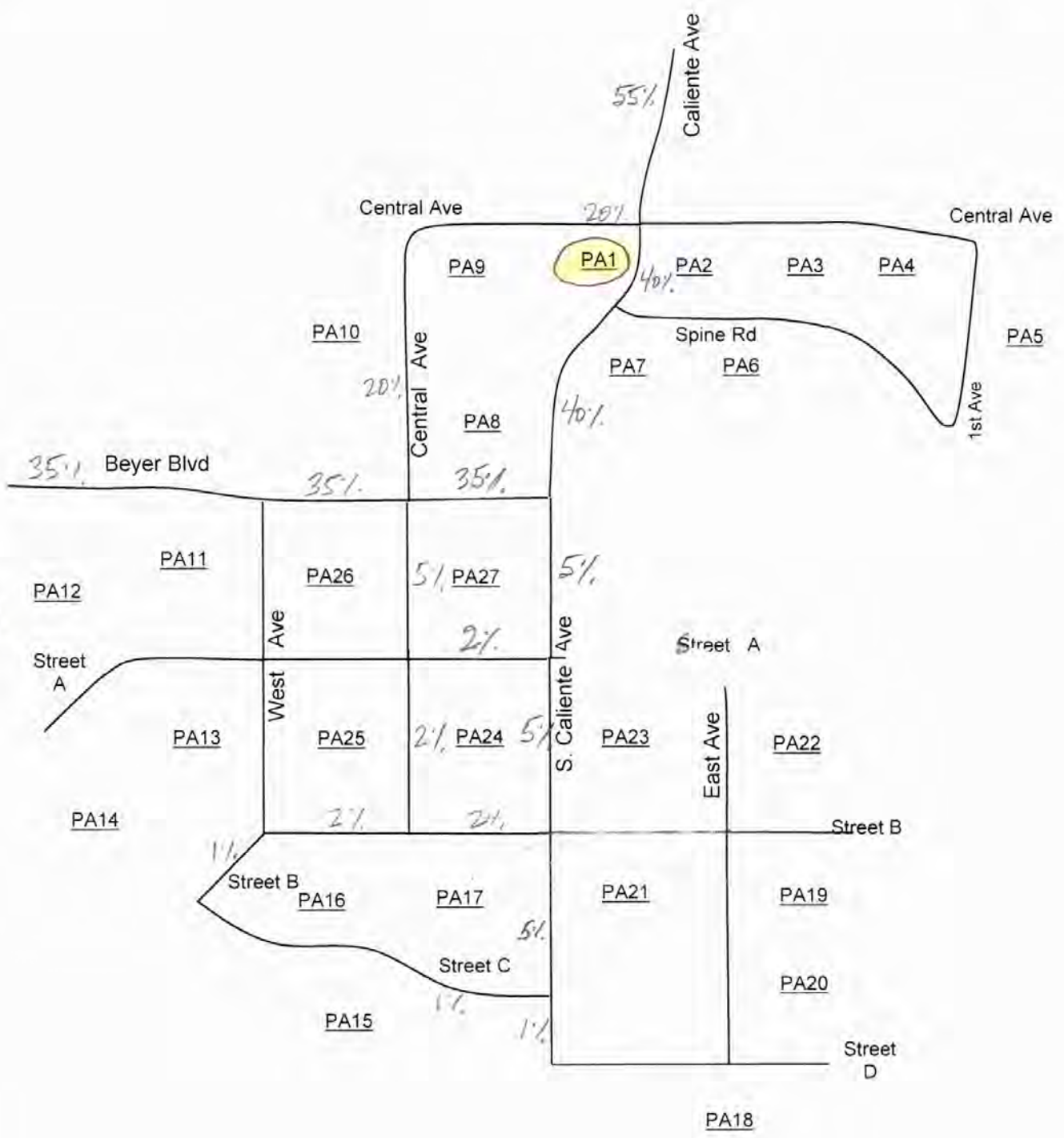


## Attachment G

### On-Site Roadway Trip Assignment Details

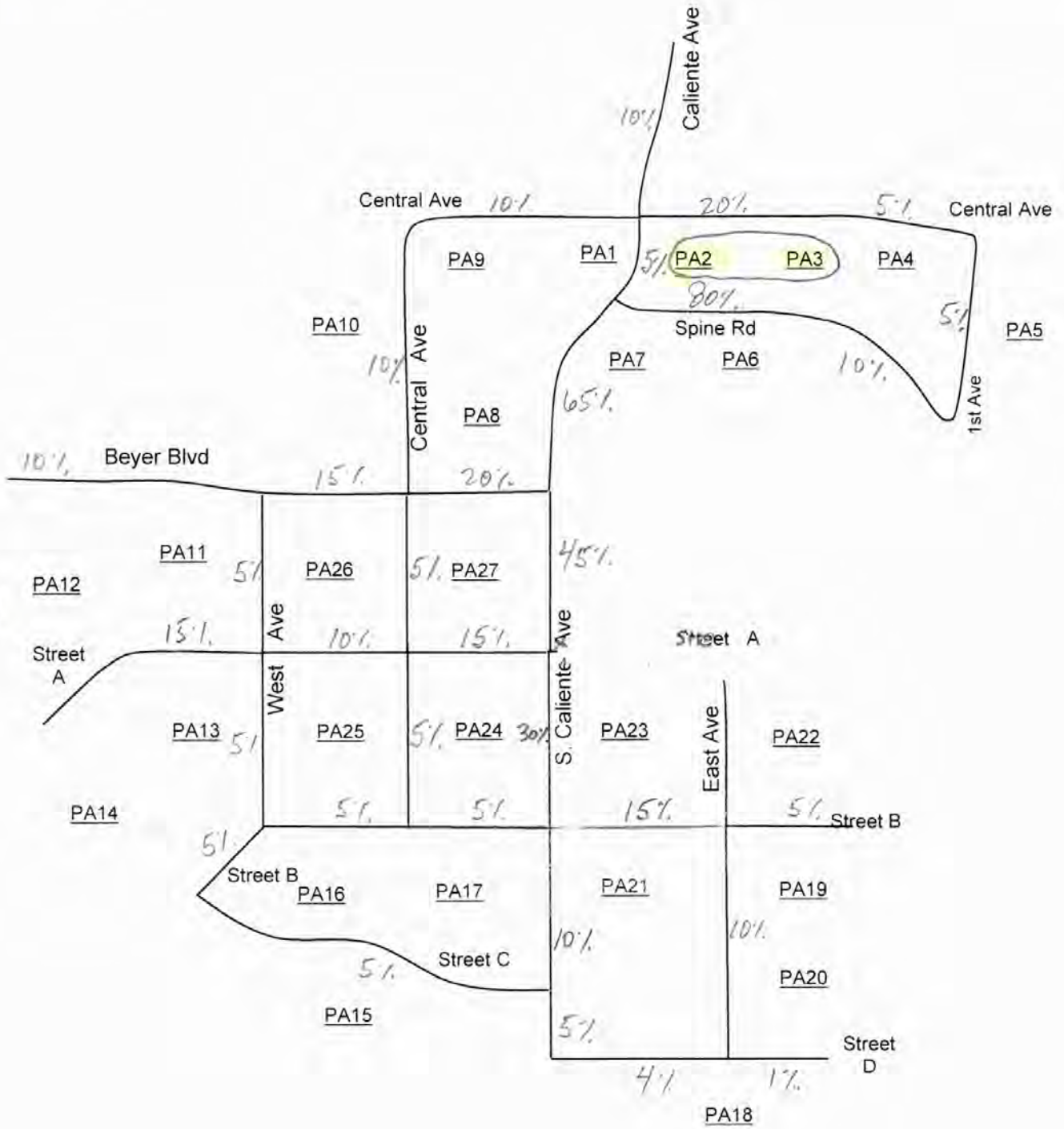
PA1

~~160 DU MF L20~~  
120 DU MF L20



PA 2 & PA 3

PARK  
~~7.1 AC~~  
7.6 AC



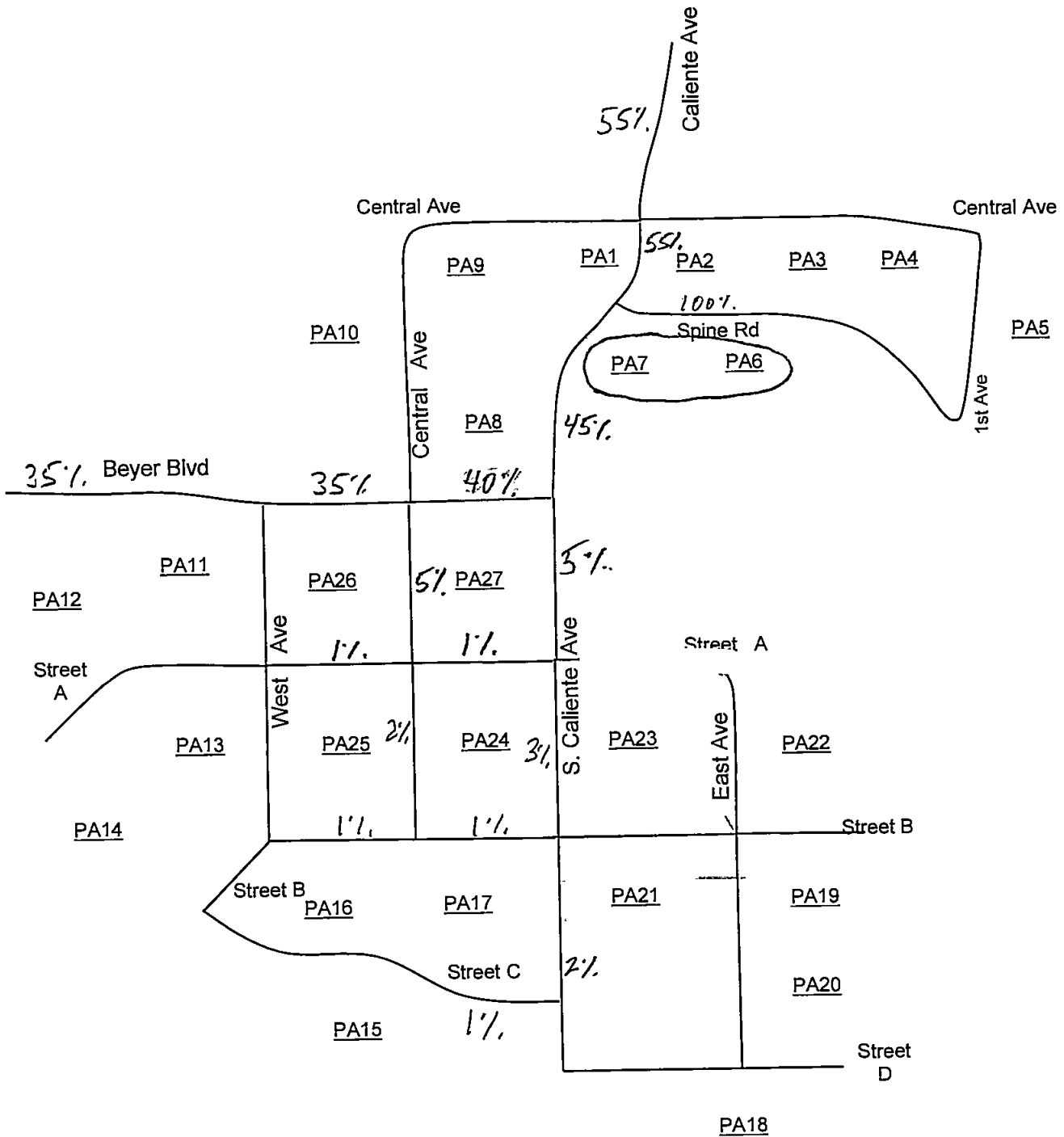
PA 4 & PA 5

819 DU  
MF  
L20

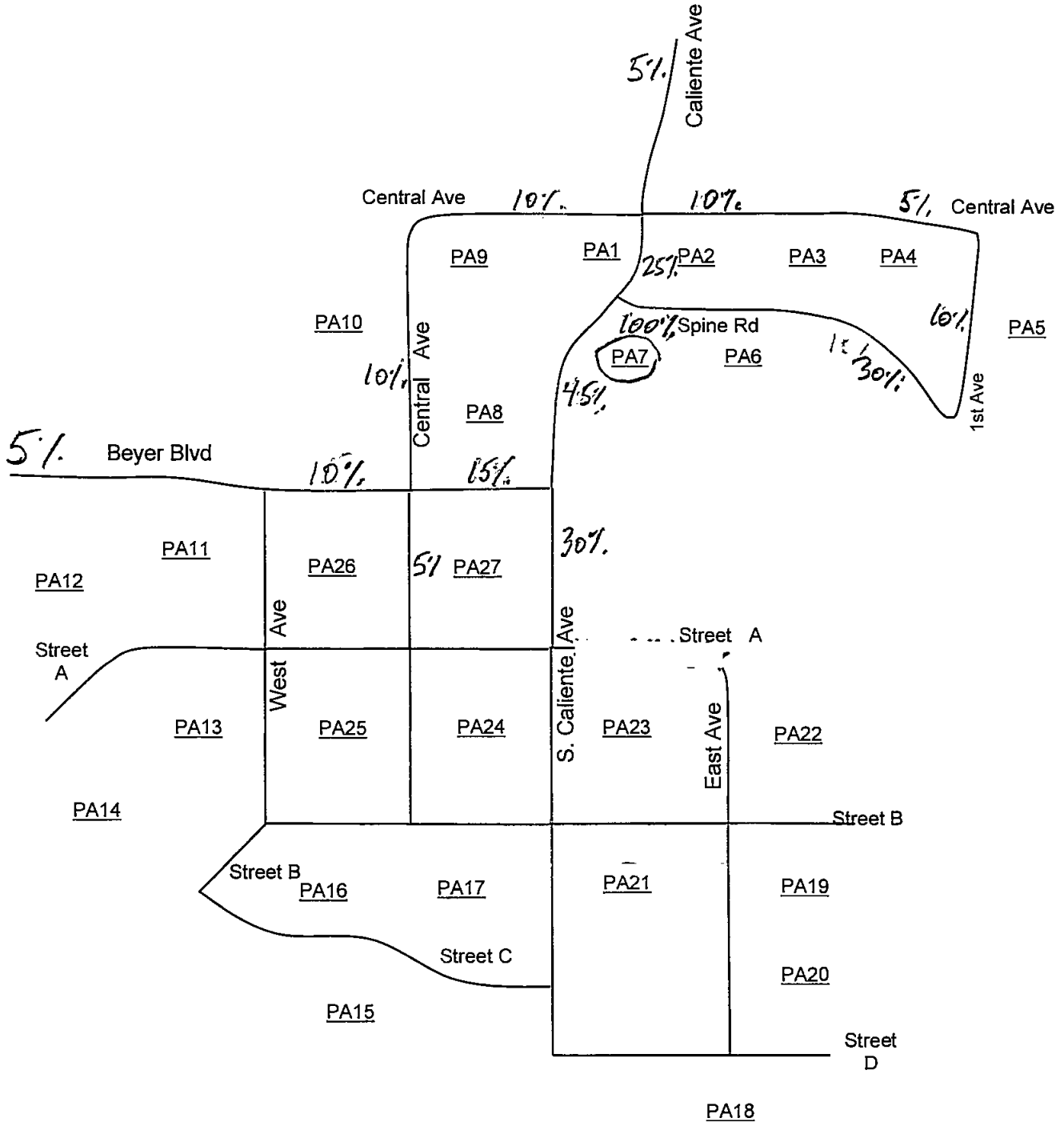


PA 6 & PA 7

264 DU  
MF  
L20

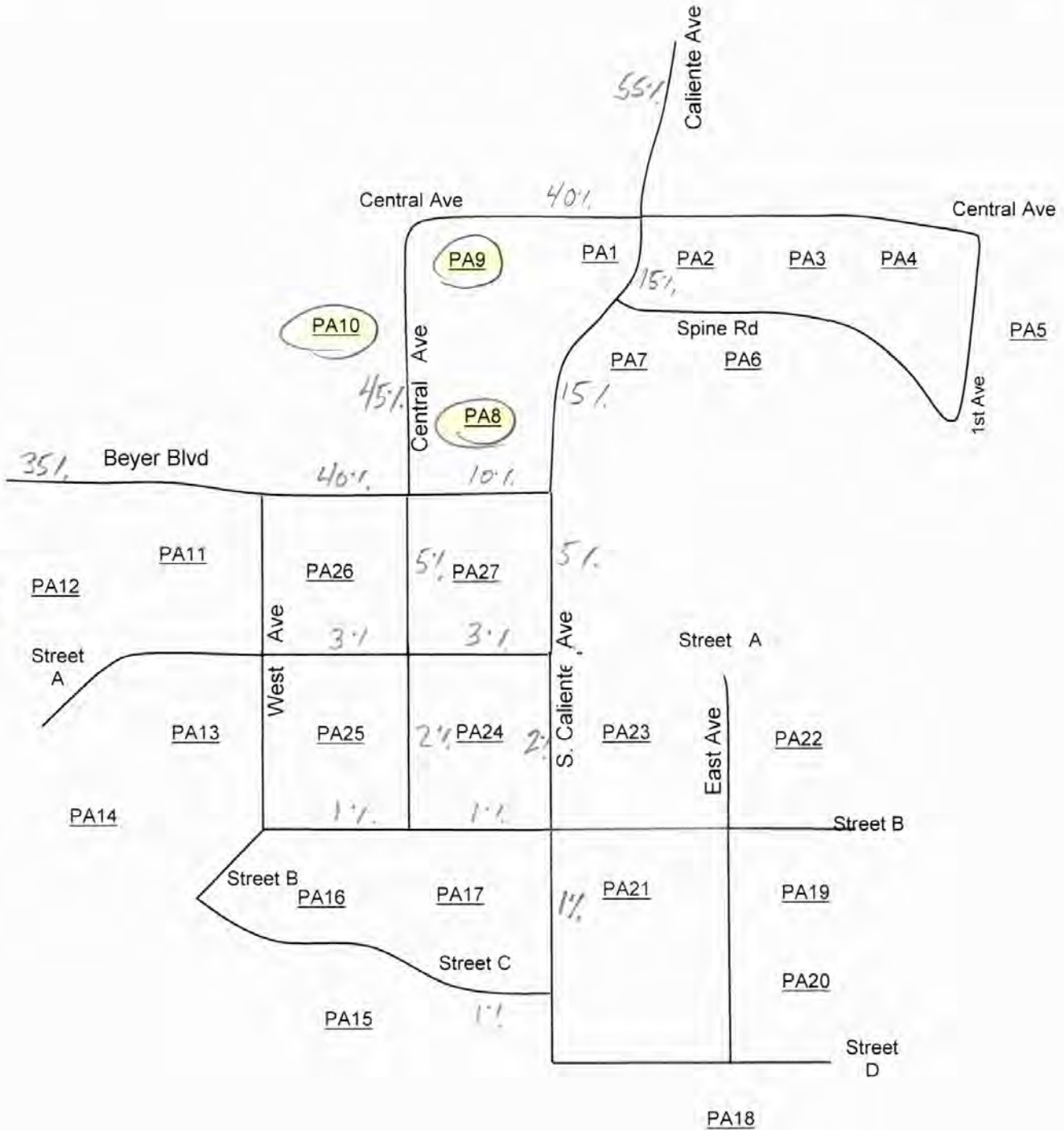


# PA 7 SCHOOL OVERLAY



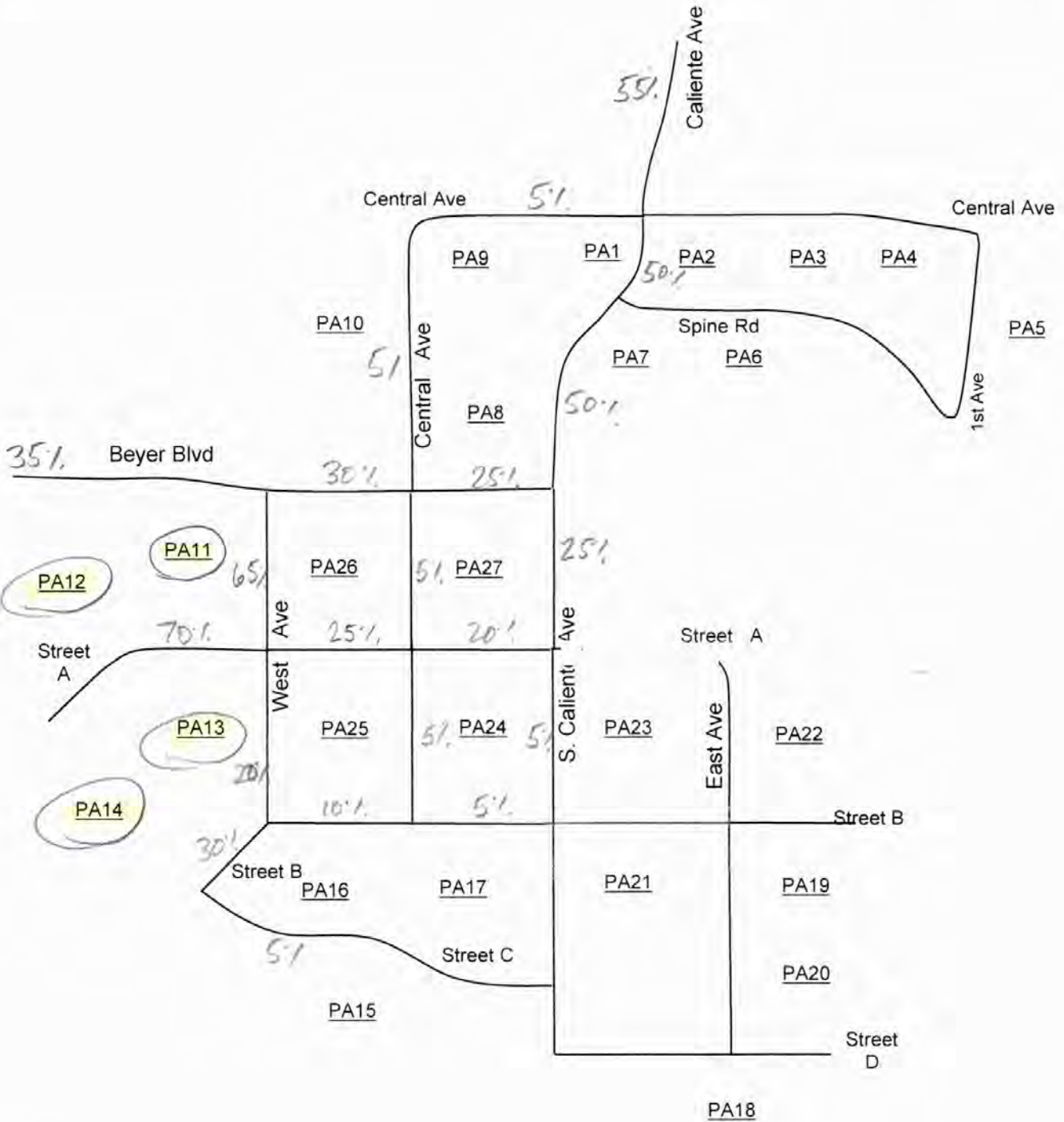
PA 8, 9, & 10

225 DU SF  
107 DU MFL20  
282 DU MF720



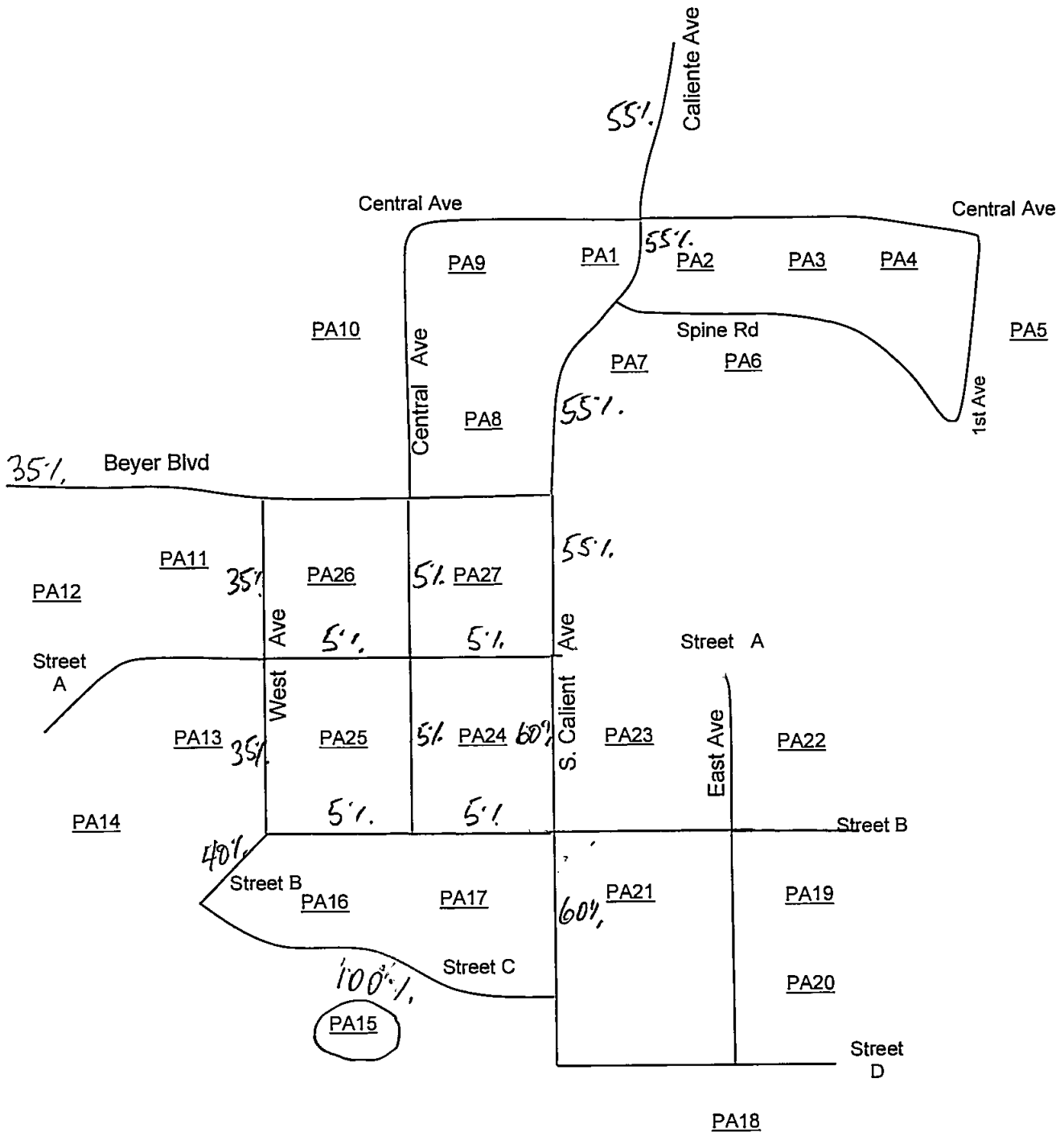
PA 11, 12, 13 & 14

318 DU SF  
383 DU MF 220



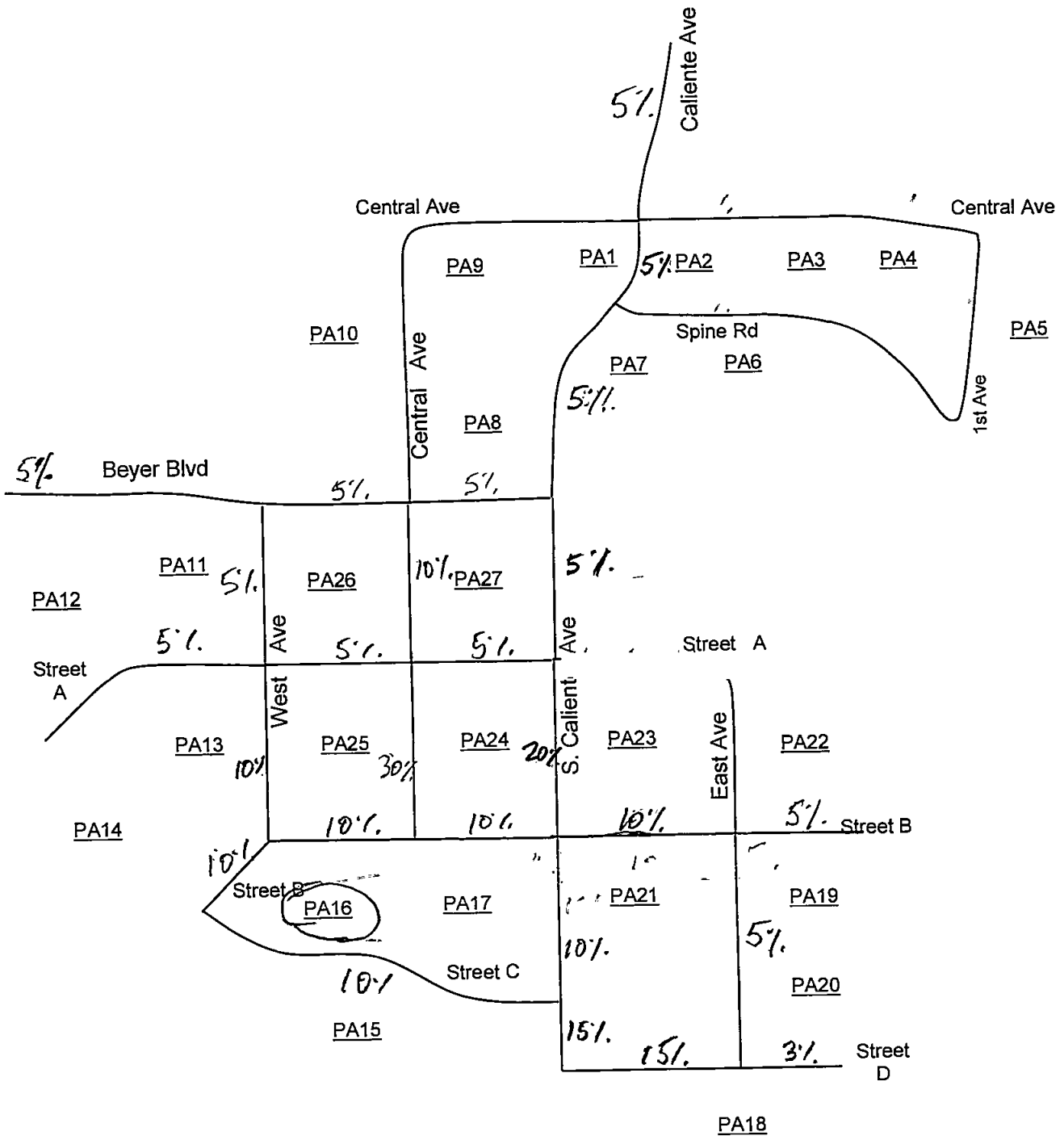
PA 15

243 DU  
SF



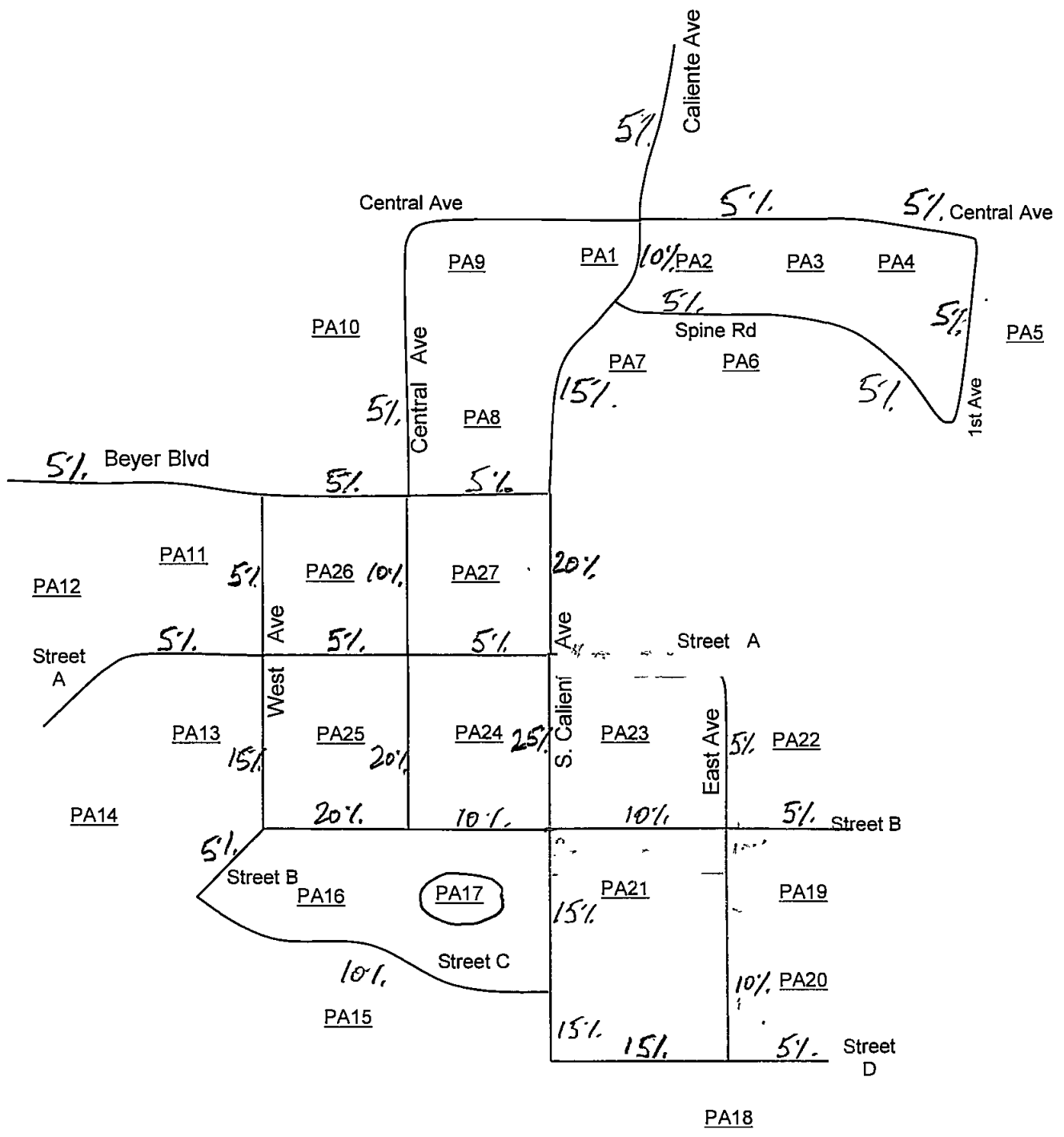
PA 16

SCHOOL



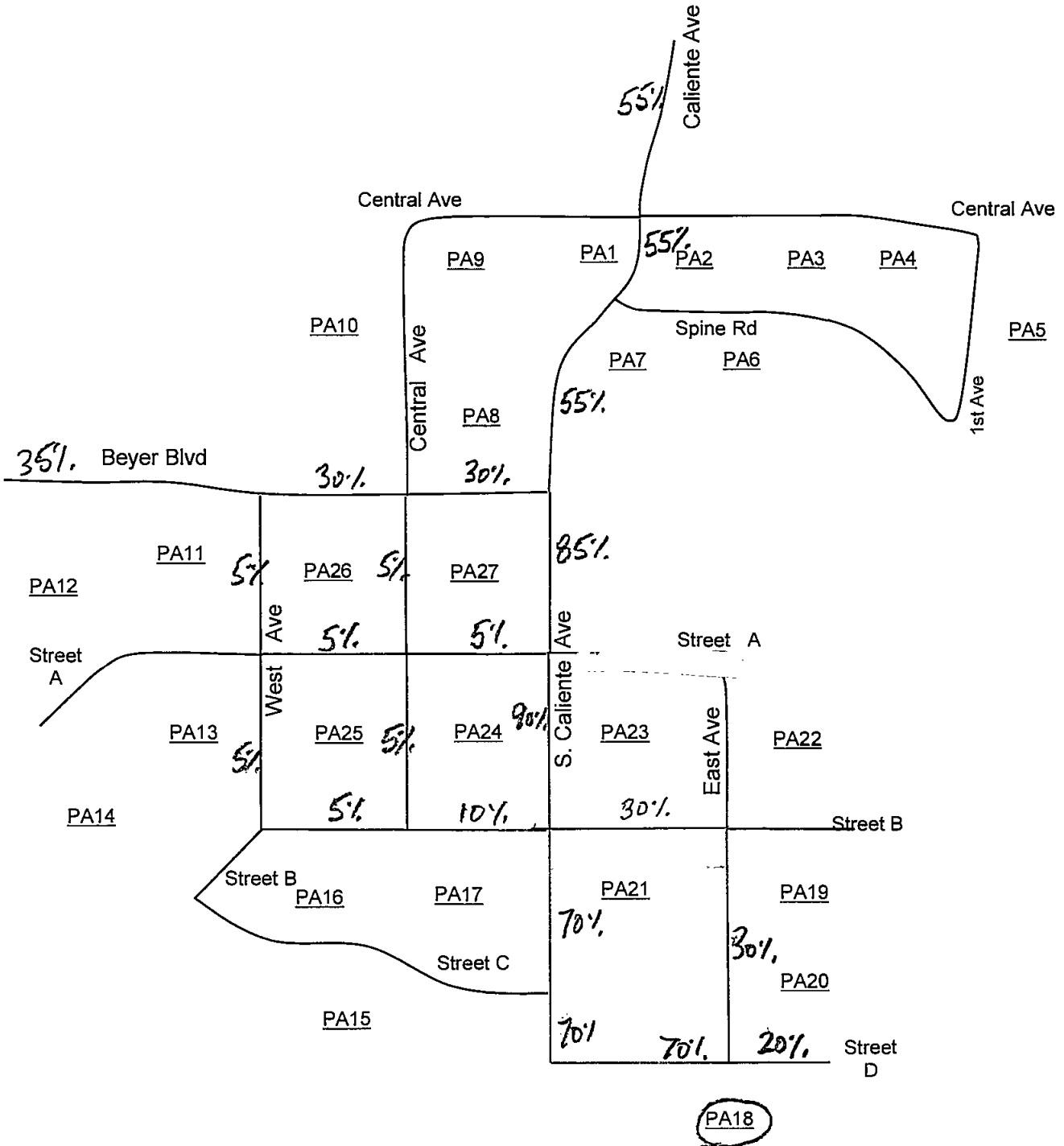
PA 17

PARK



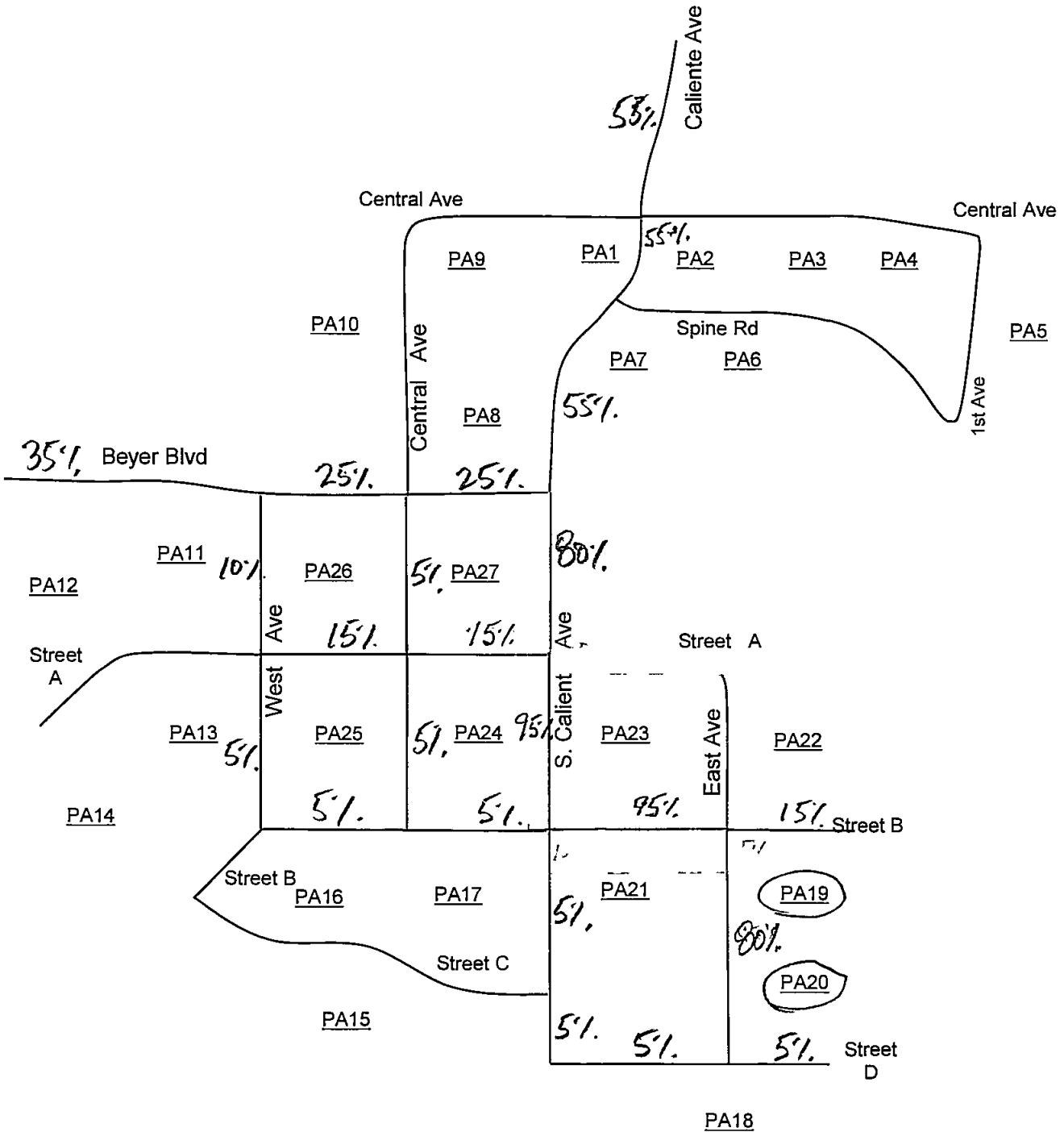
PA 18

238 DV SF



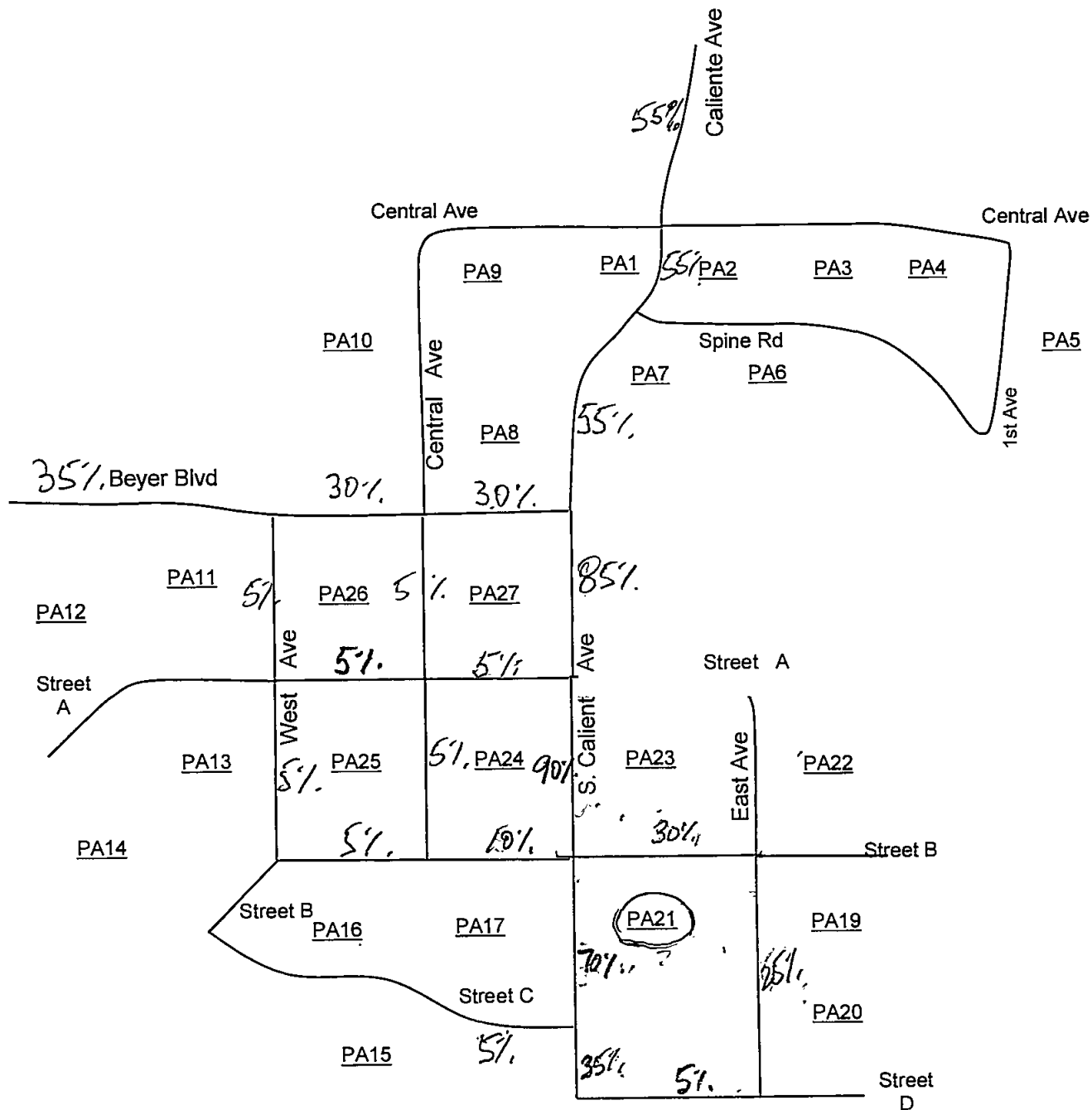
PA 19 & 20

124 DU SF  
237 DU MF L 20



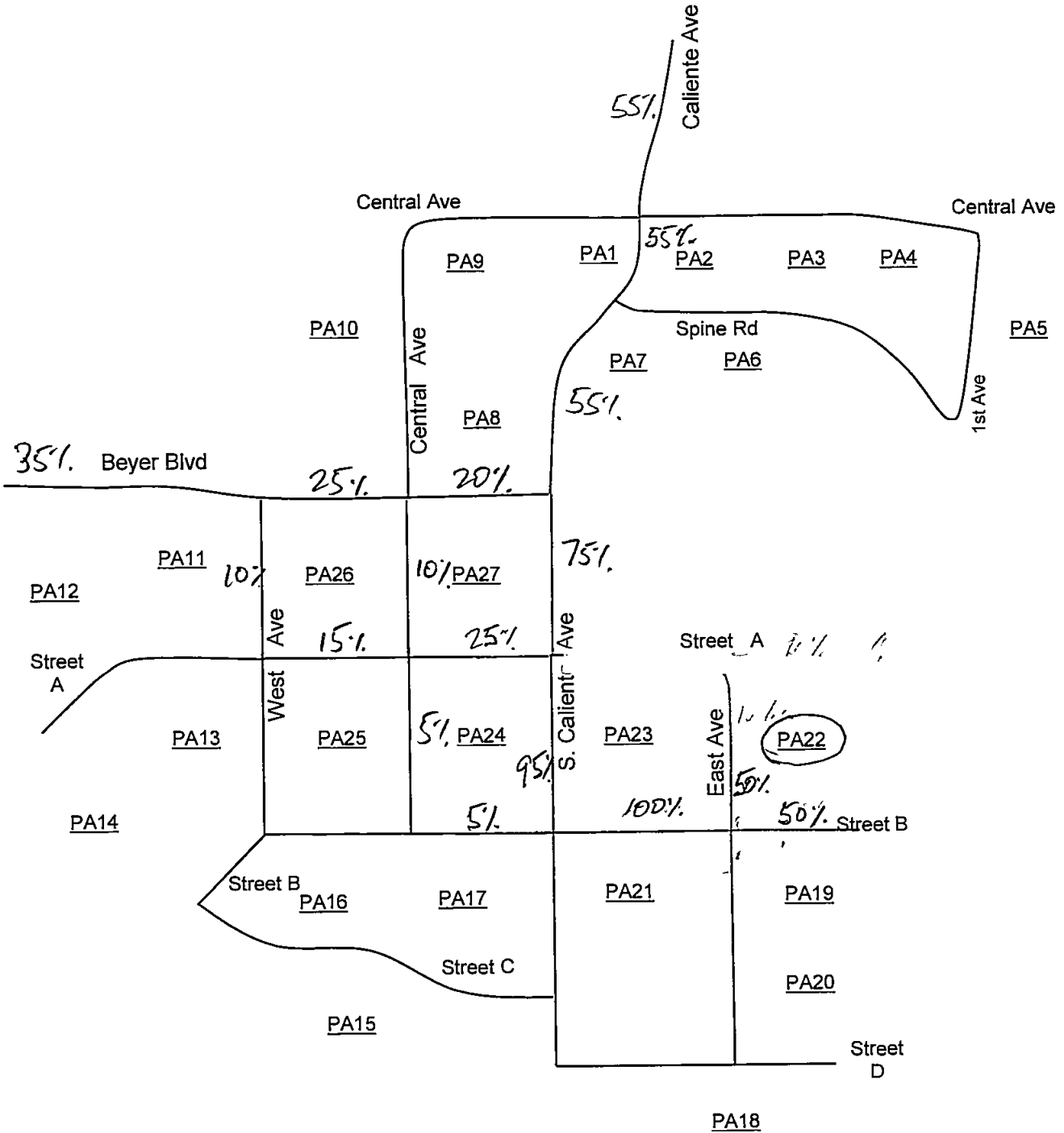
PA 21.

~~266 DU MF~~  
306 DU MF



PA 22

267 DU  
MP  
L20

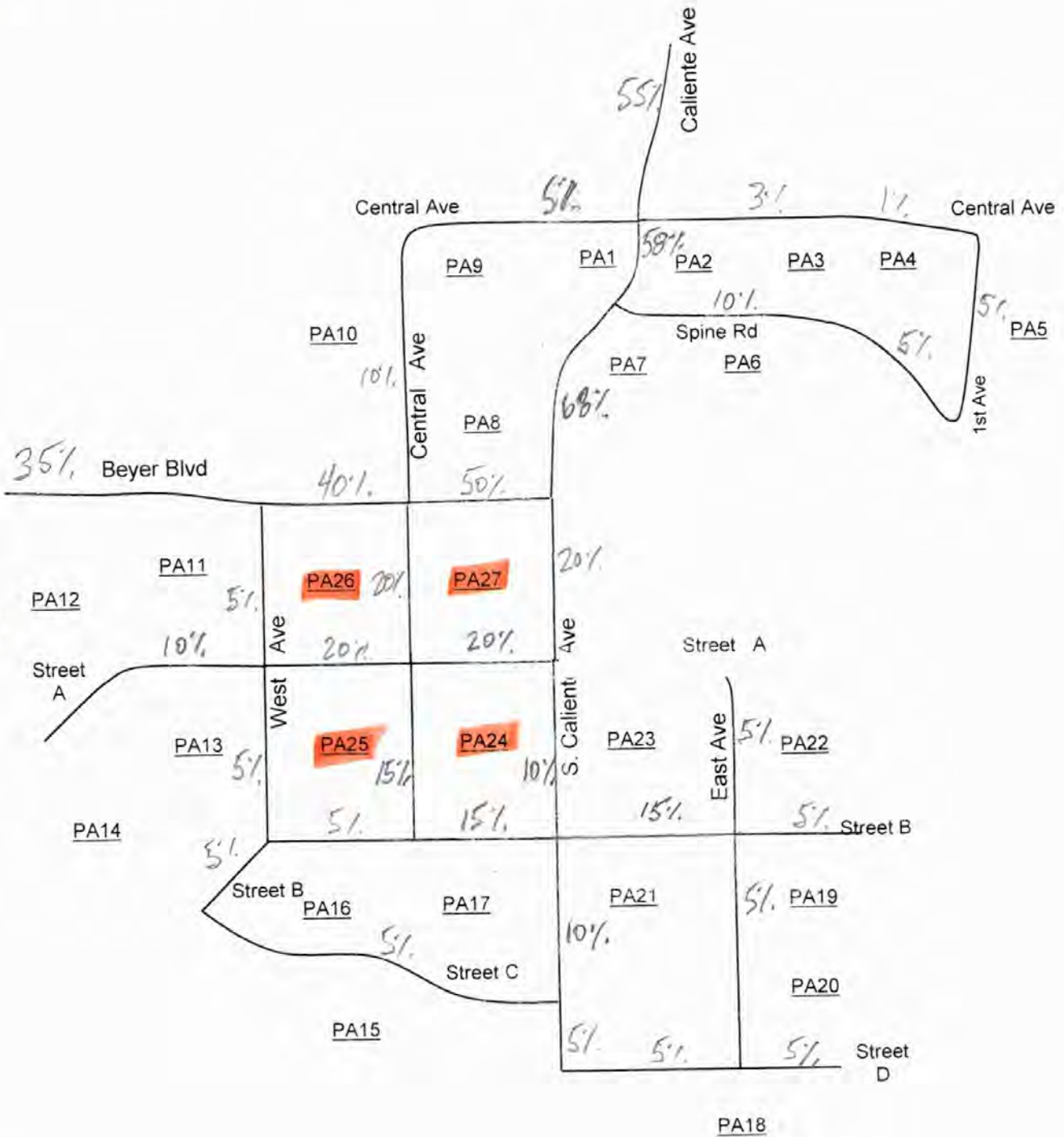




PA 24, 25, 26, & 27

175,000 SF

COMMERCIAL ALLOWED



Southwest Village

Planning Areas and Land Uses

Land Use & TG	PA 1		PA 2&3		PA 4		PA 5		PA 6&7		PA 7		PA 8		PA 9		PA 10		PA 11		PA 12		PA 13		PA 14		PA 15	
	%	ADT	%	ADT	%	ADT	%	ADT	%	ADT	%	ADT	%	ADT	%	ADT	%	ADT	%	ADT	%	ADT	%	ADT	%	ADT	%	ADT
Single Family																	225			137								243
MultiFamily<20		160				211		608		264						107							193					
MultiFamily>20													282															
Park (Acers)				7.1																								
School (students)											Students	668																
TG Single Family		0		0		0		0		0		0		0		0	2,250		0	1,370		0		1,810			2,430	
TG MF<20		1,280		0		1,688		4,864		2,112		0		0		856		0	1,520		0		1,544		0		0	
TG MF>20		0		0		0		0		0		0	1,692		0		0		0		0		0		0		0	
TG Commercial		0		0		0		0		0		0		0		0		0		0		0		0		0	0	
TG Sch/Pk				355								1,937																
<b>TG TOTAL</b>		<b>1,280</b>		<b>355</b>		<b>1,688</b>		<b>4,864</b>		<b>2,112</b>		<b>1,937</b>		<b>1,692</b>		<b>856</b>		<b>2,250</b>		<b>1,520</b>		<b>1,370</b>		<b>1,544</b>		<b>1,810</b>	<b>2,430</b>	

Rounded

Beyer Blvd

Total ADT Distribution and Assignment

	Total ADT	%	ADT	%	ADT	%	ADT	%	ADT	%	ADT	%	ADT	%	ADT	%	ADT	%	ADT	%	ADT	%	ADT	%	ADT	%	ADT	%	ADT
Enright Dr to West Ave	<b>28,100*</b>	35%	448	10%	53	35%	591	35%	1,702	35%	739	5%	97	35%	592	35%	300	35%	785	35%	532	35%	480	35%	540	35%	634	35%	851
West Ave to Central Ave	<b>28,100*</b>	35%	448	15%	53	35%	591	35%	1,702	35%	739	10%	194	40%	677	40%	342	40%	900	30%	456	30%	411	30%	463	30%	543		0
Central Ave to Caliente Ave	<b>28,100*</b>	35%	448	20%	71	35%	591	35%	1,702	40%	845	15%	291	10%	169	10%	86	10%	225	25%	380	25%	343	25%	386	25%	453		0

Caliente Ave

Airway Rd to Central Ave	<b>36,900*</b>	55%	704	10%	36	55%	928	55%	2,675	55%	1,162	5%	97	55%	931	55%	1,111	55%	1,238	55%	836	55%	754	55%	849	55%	996	55%	1,337
Central Ave to Spine Rd	<b>29,200*</b>	40%	512	5%	18	10%	169	40%	486	55%	1,162	25%	484	15%	254	15%	128	15%	338	50%	760	50%	685	50%	772	50%	905	55%	1,337
Spine Rd to Beyer Blvd	<b>29,200*</b>	40%	512	65%	231	40%	675	40%	1,946	45%	950	45%	872	15%	254	15%	128	15%	338	50%	760	50%	685	50%	772	50%	905	55%	1,337
Beyer Blvd to Street A	<b>17,200</b>	5%	64	45%	160	5%	84	5%	283	5%	106	30%	581	5%	88	5%	43	5%	113	25%	380	25%	343	25%	386	25%	453	55%	1,337
Street A to Street B	<b>13,900</b>	5%	64	30%	107	3%	51	3%	146	3%	63		0	2%	34	2%	17	2%	45	5%	76	5%	69	5%	77	5%	91	60%	1,458
Street B to Street C	<b>6,600</b>	5%	64	10%	36	2%	34	2%	97	2%	42		0	1%	17	1%	9	1%	23		0		0		0		0	60%	1,458
Street C to Street D	<b>3,000</b>	1%	13	5%	18		0		0		0		0		0		0		0		0		0		0		0	0%	0

Central Ave

West of 1st Ave	<b>6,000</b>		0	5%	18	60%	1,013	60%	2,918		0	5%	97		0		0		0		0		0		0		0		0
East of Caliente Ave	<b>7,200</b>		0	20%	71	60%	1,013	60%	2,918		0	5%	194		0		0		0		0		0		0		0		0
West of Caliente Ave	<b>3,900</b>	20%	256	10%	36	5%	84	5%	243		0	10%	194	40%	677	40%	342	40%	900	5%	76	5%	69	5%	77	5%	91		0
North of Beyer Blvd	<b>4,500</b>	20%	256	10%	36	5%	84	5%	243		0	10%	194	45%	761	45%	385	45%	1,013	5%	76	5%	69	5%	77	5%	91		0
Beyer Blvd to Street A	<b>7,700</b>	5%	64	5%	18	5%	84	5%	243	5%	106	5%	97	5%	85	5%	43	5%	113	5%	76	5%	69	5%	77	5%	91	5%	122
Street A to Street B	<b>5,500</b>	2%	26	5%	18	2%	34	2%	97	2%	42		0	2%	34	2%	17	2%	45	5%	76	5%	69	5%	77	5%	91	5%	122

East Ave

Street A to Street B	<b>1,700</b>		0		0		0		0		0		0		0		0		0		0		0		0		0		0
Street B to Street D	<b>4,700</b>		0	10%	36		0		0		0		0		0		0		0		0		0		0		0		0

Spine Rd

West Half	<b>8,200</b>		0	80%	284	40%	675	40%	1,946	100%	2,112	100%	1,937		0		0		0		0		0		0		0		0
East Half	<b>3,200</b>		0	10%	36	30%	581	30%	1,459		0	30%	581		0		0		0		0		0		0		0		0

Street A

West of West Ave	<b>5,800</b>		0	15%	53		0		0		0		0		0		0		70%	1,064	70%	959	70%	1,081	70%	1,267		0	
West Ave to Central Ave	<b>6,300</b>		0	10%	36	1%	17	1%	49	1%	21		0	3%	51	3%	26	3%	68	25%	380	25%	343	25%	386	25%	453	5%	122
Central Ave to Caliente Ave	<b>6,600</b>	2%	26	15%	53	1%	17	1%	49	1%	21		0	3%	51	3%	26	3%	68	20%	304	20%	274	20%	309	20%	362	5%	122

Street B

Street C to West Ave	<b>3,700</b>	1%	13	5%	18		0		0		0		0		0		0		30%	456	30%	411	30%	463	30%	543	40%	972	
West Ave to Central Ave	<b>2,600</b>	2%	26	5%	18	1%	17	1%	49	1%	21		0	1%	17	1%	9	1%	23	10%	154	10%	137	10%	154	10%	181	5%	122
Central Ave to S. Caliente Ave	<b>3,500</b>	2%	26	5%	18	1%	17	1%	49	1%	21		0	1%	17	1%	9	1%	23	5%	76	5%	69	5%	77	5%	91	5%	122
S. Caliente Ave to East Ave	<b>8,700</b>		0	15%	53		0		0		0		0		0		0		0		0		0		0		0		0
East of East Ave	<b>2,300</b>		0	5%	18		0		0		0		0		0		0		0		0		0		0		0		0

Street C

West Ave to S. Caliente Ave	<b>4,000</b>	1%	13	5%	18	1%	17	1%	49	1%	21		0	1%	17	1%	9	1%	23	5%	76	5%	69	5%	77	5%	91	100%	2,430
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Street D

S. Caliente Ave to East Ave	<b>2,900</b>		0	4%	14		0		0		0		0		0		0		0		0		0		0		0		0
East of East Ave	<b>1,300</b>		0	1%	4		0		0		0		0		0		0		0		0		0		0		0		0

West Ave

Beyer Blvd to Street A	<b>7,800</b>		0	5%	18		0		0		0		0		0		0		65%	988	65%	891	65%	1,004	65%	1,177	35%	851
Street A to Street B	<b>4,100</b>		0	5%	18		0		0		0		0		0		0		20%	304	20%	274	20%	309	20%	362	35%	851

1st Ave

Central Ave to Spine Rd	<b>4,100</b>		0	5%	18	50%	844	50%	2,432		0	10%	194		0		0		0		0		0		0		0		0
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\* From SYCPU Horizon Year Volumes

Southwest Village Planning Areas and Land Uses															PA 24-27												
Land Use & TG	PA 16		PA 17		PA 18		PA 19		PA 20		PA 21		PA 22		PA 23		PA 24		PA 25		PA 26		PA 27		Commercial		
	%	ADT	%	ADT	%	ADT	%	ADT	%	ADT	%	ADT	%	ADT	%	ADT	%	ADT	%	ADT	%	ADT	%	ADT	%	ADT	
Single Family						238				134																	
MultiFamily<20																											
MultiFamily>20																											
Park (Acers)				10.5																							
School (students)	Students	600																									
TG Single Family		0		0		2,380		0		1,340		0		0		0		0		0		0		0		0	0
TG MF<20		0		0		0		1,896		0		2,128		2,136		0		0		0		0		0		0	0
TG MF>20		0		0		0		0		0		0		0		0		2,112		2,190		1,506		1,314		0	
TG Commercial		0		0		0		0		0		0		0		0		0		0		0		0		0	12,250
TG Sch/Pk		1,740		525																							
<b>TG TOTAL</b>		<b>1,740</b>		<b>525</b>		<b>2,380</b>		<b>1,896</b>		<b>1,340</b>		<b>2,128</b>		<b>2,136</b>		<b>0</b>		<b>2,112</b>		<b>2,190</b>		<b>1,506</b>		<b>1,314</b>		<b>12,250</b>	

Adjacent cumulative on north edge of SWV

Beyer Blvd																											
Enright Dr to West Ave	5%	87	5%	26	35%	833	35%	664	35%	469	35%	745	35%	748	0	35%	739	35%	767	35%	527	35%	460	35%	460	35%	4,288
West Ave to Central Ave	5%	87	5%	26	30%	714	25%	474	25%	335	30%	638	55%	534	0	30%	634	30%	657	30%	452	30%	394	40%	394	40%	4,900
Central Ave to Caliente Ave	5%	87	5%	26	30%	714	25%	474	25%	335	30%	638	20%	427	0	30%	634	30%	657	30%	452	30%	394	50%	394	50%	6,125

Caliente Ave																											
Airway Rd to Central Ave	5%	87	5%	26	55%	1,309	55%	1,043	55%	737	55%	1,170	55%	1,175	0	55%	1,162	55%	1,205	55%	828	55%	723	55%	723	55%	6,738
Central Ave to Spine Rd	5%	87	10%	53	55%	1,309	55%	1,043	55%	737	55%	1,170	55%	1,175	0	55%	1,162	55%	1,205	55%	828	55%	723	58%	723	58%	7,105
Spine Rd to Beyer Blvd	5%	87	15%	79	55%	1,309	55%	1,043	55%	737	55%	1,170	55%	1,175	0	55%	1,162	55%	1,205	55%	828	55%	723	68%	723	68%	8,330
Beyer Blvd to Street A	5%	87	20%	105	85%	2,023	80%	1,511	80%	1,072	85%	1,809	75%	1,602	0	30%	634	30%	657	30%	452	30%	394	20%	394	20%	2,450
Street A to Street B	20%	348	25%	131	90%	2,142	95%	1,801	95%	1,273	90%	1,915	95%	2,029	0	10%	211	10%	219	10%	151	10%	131	10%	131	10%	1,225
Street B to Street C	10%	174	15%	79	70%	1,666	5%	95	5%	67	70%	1,490	0	0	0	0	0	0	0	0	0	0	0	0	10%	1,225	
Street C to Street D	15%	261	15%	79	40%	952	5%	95	5%	67	40%	851	0	0	0	0	0	0	0	0	0	0	0	5%	613		

Central Ave																											
West of 1st Ave	0	5%	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1%	123	
East of Caliente Ave	0	5%	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3%	368		
West of Caliente Ave	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5%	613		
North of Beyer Blvd	0	5%	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10%	1,225		
Beyer Blvd to Street A	10%	174	10%	53	0	5%	95	5%	67	0	0	0	0	0	0	50%	1,056	50%	1,095	50%	753	50%	657	20%	2,450		
Street A to Street B	30%	522	20%	105	0	5%	95	5%	67	0	0	0	0	0	0	30%	634	30%	657	30%	452	30%	394	15%	1,838		

1,800  
2,565  
285

East Ave																											
Street A to Street B	0	0	0	0	0	0	0	0	0	50%	1,068	0	0	0	0	0	0	0	0	0	0	0	0	0	5%	613	
Street B to Street D	5%	87	10%	53	30%	714	80%	1,517	80%	1,072	30%	638	0	0	0	0	0	0	0	0	0	0	0	0	5%	613	

Spine Rd																											
West Half	0	5%	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10%	1,225	
East Half	0	5%	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5%	613		

Street A																											
West of West Ave	5%	87	5%	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10%	1,225	
West Ave to Central Ave	5%	87	5%	26	5%	119	15%	284	15%	201	5%	106	15%	320	0	10%	211	10%	219	10%	151	10%	131	20%	2,450		
Central Ave to Caliente Ave	5%	87	5%	26	5%	119	15%	284	15%	201	5%	106	25%	534	0	15%	317	15%	329	15%	226	15%	197	20%	2,450		

Street B																											
Street C to West Ave	10%	174	5%	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5%	613	
West Ave to Central Ave	10%	174	20%	105	5%	119	5%	95	5%	67	5%	106	0	0	0	5%	106	5%	110	5%	75	5%	66	5%	66	5%	613
Central Ave to S. Caliente Ave	10%	174	10%	53	5%	119	5%	95	5%	67	5%	106	5%	107	0	5%	106	5%	110	5%	75	5%	66	15%	1,838		
S. Caliente Ave to East Ave	10%	174	15%	79	30%	714	95%	1,801	95%	1,273	30%	638	100%	2,136	0	0	0	0	0	0	0	0	0	0	15%	1,838	
East of East Ave	5%	87	10%	53	0	15%	284	15%	201	0	50%	1,068	0	0	0	0	0	0	0	0	0	0	0	5%	613		

Street C																											
West Ave to S. Caliente Ave	10%	174	10%	53	5%	119	0	0	5%	106	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5%	613	

Street D																											
S. Caliente Ave to East Ave	15%	261	15%	79	40%	952	5%	95	5%	67	40%	851	0	0	0	0	0	0	0	0	0	0	0	0	5%	613	
East of East Ave	3%	52	3%	16	10%	238	5%	95	5%	67	10%	213	0	0	0	0	0	0	0	0	0	0	0	0	5%	613	

West Ave																											
Beyer Blvd to Street A	5%	87	5%	26	5%	119	10%	190	10%	134	5%	106	10%	214	0	20%	422	20%	438	20%	301	20%	263	5%	613		
Street A to Street B	10%	174	15%	79	5%	119	5%	95	5%	67	5%	106	0	0	0	10%	211	10%	219	10%	151	10%	131	5%	613		

1st Ave																											
Central Ave to Spine Rd	0	5%	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5%	613	

Southwest Village

Planning Areas and Land Uses

Land Use & TG	PA 1		PA 2&3		PA 4		PA 5		PA 6&7		PA 7		PA 8		PA 9		PA 10		PA 11		PA 12		PA 13		PA 14		PA 15	
	%	ADT	%	ADT	%	ADT	%	ADT	%	ADT	%	ADT	%	ADT	%	ADT	%	ADT	%	ADT	%	ADT	%	ADT	%	ADT	%	ADT
Single Family																	225			137					181			243
MultiFamily<20		120				211		608		264						107								193				
MultiFamily>20													282															
Park (Acers)				7.6																								
School (students)											Students	668																
TG Single Family		0		0		0		0		0		0		0		0	2,250		0	1,370		0		1,810		2,430		
TG MF<20		960		0		1,688		4,864		2,112		0		0		856		0	1,520		0		1,544		0		0	
TG MF>20		0		0		0		0		0		0	1,692		0		0		0		0		0		0		0	
TG Commercial		0		0		0		0		0		0		0		0		0		0		0		0		0		0
TG Sch/Pk				380								1,937																
<b>TG TOTAL</b>		<b>960</b>		<b>380</b>		<b>1,688</b>		<b>4,864</b>		<b>2,112</b>		<b>1,937</b>		<b>1,692</b>		<b>856</b>		<b>2,250</b>		<b>1,520</b>		<b>1,370</b>		<b>1,544</b>		<b>1,810</b>		<b>2,430</b>

Rounded

Beyer Blvd

Total ADT Distribution and Assignment

	Total ADT	35%	33%	10%	38%	35%	591	35%	1,702	35%	739	5%	97	35%	592	35%	300	35%	788	35%	532	35%	480	35%	540	35%	634	35%	851
Enright Dr to West Ave	<b>28,100*</b>	35%	336	10%	38	35%	591	35%	1,702	35%	739	5%	97	35%	592	35%	300	35%	788	35%	532	35%	480	35%	540	35%	634	35%	851
West Ave to Central Ave	<b>28,100*</b>	35%	336	15%	57	35%	591	35%	1,702	35%	739	10%	194	40%	677	40%	342	40%	900	30%	456	30%	411	30%	463	30%	543		0
Central Ave to Caliente Ave	<b>28,100*</b>	35%	336	20%	76	35%	591	35%	1,702	40%	845	15%	291	10%	169	10%	86	10%	225	25%	380	25%	343	25%	386	25%	453		0

Caliente Ave

Airway Rd to Central Ave	<b>36,900*</b>	55%	528	10%	38	55%	928	55%	2,675	55%	1,162	5%	97	55%	931	55%	471	55%	1,238	55%	836	55%	754	55%	849	55%	996	55%	1,337
Central Ave to Spine Rd	<b>29,200*</b>	40%	384	5%	19	10%	169	10%	486	55%	1,162	25%	484	15%	254	15%	128	15%	338	50%	760	50%	685	50%	772	50%	905	55%	1,337
Spine Rd to Beyer Blvd	<b>29,200*</b>	40%	384	65%	247	40%	675	40%	1,946	45%	950	45%	872	15%	254	15%	128	15%	338	50%	760	50%	685	50%	772	50%	905	55%	1,337
Beyer Blvd to Street A	<b>17,500</b>	5%	48	45%	171	5%	84	5%	243	5%	106	30%	581	5%	85	5%	43	5%	113	25%	380	25%	343	25%	386	25%	453	55%	1,337
Street A to Street B	<b>14,200</b>	5%	48	30%	114	3%	51	3%	146	3%	63		0	2%	34	2%	17	2%	45	5%	76	5%	69	5%	77	5%	91	60%	1,458
Street B to Street C	<b>6,800</b>	5%	48	10%	38	2%	34	2%	97	2%	42		0	1%	17	1%	9	1%	23		0		0		0		0	60%	1,458
Street C to Street D	<b>3,000</b>	1%	10	5%	19		0		0		0		0		0		0		0		0		0		0		0	0%	0

Central Ave

West of 1st Ave	<b>6,000</b>		0	5%	19	60%	1,013	60%	2,918		0	5%	97		0		0		0		0		0		0		0		0
East of Caliente Ave	<b>7,200</b>		0	20%	76	60%	1,013	60%	2,918		0	10%	194		0		0		0		0		0		0		0		0
West of Caliente Ave	<b>3,900</b>	20%	192	10%	38	5%	84	5%	243		0	10%	194	40%	677	40%	342	40%	900	5%	76	5%	69	5%	77	5%	91		0
North of Beyer Blvd	<b>4,500</b>	20%	192	10%	38	5%	84	5%	243		0	10%	194	45%	761	45%	385	45%	1,013	5%	76	5%	69	5%	77	5%	91		0
Beyer Blvd to Street A	<b>7,700</b>	5%	48	5%	19	5%	84	5%	243	5%	106	5%	97	5%	85	5%	43	5%	113	5%	76	5%	69	5%	77	5%	91	5%	122
Street A to Street B	<b>5,500</b>	2%	19	5%	19	2%	34	2%	97	2%	42		0	2%	34	2%	17	2%	45	5%	76	5%	69	5%	77	5%	91	5%	122

East Ave

Street A to Street B	<b>1,700</b>		0		0		0		0		0		0		0		0		0		0		0		0		0		0
Street B to Street D	<b>4,700</b>		0	10%	38		0		0		0		0		0		0		0		0		0		0		0		0

Spine Rd

West Half	<b>8,200</b>		0	80%	304	40%	675	40%	1,946	100%	2,112	100%	1,937		0		0		0		0		0		0		0		0
East Half	<b>3,200</b>		0	10%	38	30%	506	30%	1,459		0	30%	581		0		0		0		0		0		0		0		0

Street A

West of West Ave	<b>5,800</b>		0	15%	57		0		0		0		0		0		0		0	70%	1,064	70%	959	70%	1,081	70%	1,267		0
West Ave to Central Ave	<b>6,300</b>		0	10%	38	1%	17	1%	49	1%	21		0	3%	51	3%	26	3%	68	25%	380	25%	343	25%	386	25%	453	5%	122
Central Ave to Caliente Ave	<b>6,600</b>	2%	19	15%	57	1%	17	1%	49	1%	21		0	3%	51	3%	26	3%	68	20%	304	20%	274	20%	309	20%	362	5%	122

Street B

Street C to West Ave	<b>3,700</b>	1%	10	5%	19		0		0		0		0		0		0		0	30%	456	30%	411	30%	463	30%	543	40%	972
West Ave to Central Ave	<b>2,600</b>	2%	19	5%	19	1%	17	1%	49	1%	21		0	1%	17	1%	9	1%	23	10%	152	10%	137	10%	154	10%	181	5%	122
Central Ave to S. Caliente Ave	<b>3,800</b>	2%	19	5%	19	1%	17	1%	49	1%	21		0	1%	17	1%	9	1%	23	5%	76	5%	69	5%	77	5%	91	5%	122
S. Caliente Ave to East Ave	<b>8,800</b>		0	15%	57		0		0		0		0		0		0		0		0		0		0		0		0
East of East Ave	<b>2,300</b>		0	5%	19		0		0		0		0		0		0		0		0		0		0		0		0

Street C

West Ave to S. Caliente Ave	<b>4,000</b>	1%	10	5%	19	1%	17	1%	49	1%	21		0	1%	17	1%	9	1%	23	5%	76	5%	69	5%	77	5%	91	100%	2,430
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Street D

S. Caliente Ave to East Ave	<b>2,900</b>		0	4%	15		0		0		0		0		0		0		0		0		0		0		0		0
East of East Ave	<b>1,300</b>		0	1%	4		0		0		0		0		0		0		0		0		0		0		0		0

West Ave

Beyer Blvd to Street A	<b>7,900</b>		0	5%	19		0		0		0		0		0		0		0	65%	988	65%	891	65%	1,004	65%	1,177	35%	851
Street A to Street B	<b>4,100</b>		0	5%	19		0		0		0		0		0		0		0	20%	304	20%	274	20%	309	20%	362	35%	851

1st Ave

Central Ave to Spine Rd	<b>4,100</b>		0	5%	19	50%	844	50%	2,432		0	10%	194		0		0		0		0		0		0		0		0
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\* From SYCPU Horizon Year Volumes



Southwest Village Planning Areas and Land Uses															PA 24-27	Commercial	Adjacent cumulative on north edge of SWV
Land Use & TG	PA 16 % ADT	PA 17 % ADT	PA 18 % ADT	PA 19 % ADT	PA 20 % ADT	PA 21 % ADT	PA 22 % ADT	PA 23 % ADT	PA 24 % ADT	PA 25 % ADT	PA 26 % ADT	PA 27 % ADT	% ADT	% ADT			
Single Family			238		134												
MultiFamily<20				237			306	267									
MultiFamily>20									352	365	251	219					
Park (Acers)		10.5						Open									
School (students)	Students 600							Space									
TG Single Family	0	0	2,380	0	1,340	0	0	0	0	0	0	0	0	0			
TG MF<20	0	0	0	1,896	0	2,448	2,136	0	0	0	0	0	0	0			
TG MF>20	0	0	0	0	0	0	0	0	2,112	2,190	1,506	1,314	0	0			
TG Commercial	0	0	0	0	0	0	0	0	0	0	0	0	0	12,250			
TG Sch/Pk	1,740	525															
<b>TG TOTAL</b>	<b>1,740</b>	<b>525</b>	<b>2,380</b>	<b>1,896</b>	<b>1,340</b>	<b>2,448</b>	<b>2,136</b>	<b>0</b>	<b>2,112</b>	<b>2,190</b>	<b>1,506</b>	<b>1,314</b>	<b>12,250</b>				
<b>Beyer Blvd</b>																	
Enright Dr to West Ave	5% 87	5% 26	35% 833	35% 664	35% 469	35% 857	35% 748	0	35% 739	35% 767	35% 527	35% 460	35% 4,288				
West Ave to Central Ave	5% 87	5% 26	30% 714	25% 474	25% 335	30% 734	25% 534	0	30% 634	30% 657	30% 452	30% 394	40% 4,900				
Central Ave to Caliente Ave	5% 87	5% 26	30% 714	25% 474	25% 335	30% 734	20% 427	0	30% 634	30% 657	30% 452	30% 394	50% 6,125				
<b>Caliente Ave</b>																	
Airway Rd to Central Ave	5% 87	5% 26	55% 1,309	55% 1,043	55% 737	55% 1,346	55% 1,175	0	55% 1,162	55% 1,205	55% 828	55% 723	55% 6,738				
Central Ave to Spine Rd	5% 87	10% 53	55% 1,309	55% 1,043	55% 737	55% 1,346	55% 1,175	0	55% 1,162	55% 1,205	55% 828	55% 723	58% 7,105				
Spine Rd to Beyer Blvd	5% 87	15% 79	55% 1,309	55% 1,043	55% 737	55% 1,346	55% 1,175	0	55% 1,162	55% 1,205	55% 828	55% 723	68% 8,330				
Beyer Blvd to Street A	5% 87	20% 105	85% 2,023	80% 1,517	80% 1,072	85% 2,081	75% 1,602	0	30% 634	30% 657	30% 452	30% 394	20% 2,450				
Street A to Street B	20% 348	25% 131	90% 2,142	95% 1,801	95% 1,273	90% 2,203	95% 2,029	0	10% 211	10% 219	10% 151	10% 131	10% 1,225				
Street B to Street C	10% 174	15% 79	70% 1,666	5% 95	5% 67	70% 1,714	0	0	0	0	0	0	10% 1,225				
Street C to Street D	15% 261	15% 79	40% 952	5% 95	5% 67	35% 857	0	0	0	0	0	0	5% 613				
<b>Central Ave</b>																	
West of 1st Ave	0	5% 26	0	0	0	0	0	0	0	0	0	0	1% 123	1,800			
East of Caliente Ave	0	5% 26	0	0	0	0	0	0	0	0	0	0	3% 368	2,565			
West of Caliente Ave	0	0	0	0	0	0	0	0	0	0	0	0	5% 613	285			
North of Beyer Blvd	0	5% 26	0	0	0	0	0	0	0	0	0	0	10% 1,225				
Beyer Blvd to Street A	10% 174	10% 53	0	5% 95	5% 67	0	0	0	50% 1,056	50% 1,095	50% 753	50% 657	20% 2,450				
Street A to Street B	30% 522	20% 105	0	5% 95	5% 67	0	0	0	30% 634	30% 657	30% 452	30% 394	15% 1,838				
<b>East Ave</b>																	
Street A to Street B	0	5% 26	0	0	0	0	50% 1,068	0	0	0	0	0	5% 613				
Street B to Street D	5% 87	10% 53	30% 714	80% 1,517	80% 1,072	25% 612	0	0	0	0	0	0	5% 613				
<b>Spine Rd</b>																	
West Half	0	5% 26	0	0	0	0	0	0	0	0	0	0	10% 1,225				
East Half	0	5% 26	0	0	0	0	0	0	0	0	0	0	5% 613				
<b>Street A</b>																	
West of West Ave	5% 87	5% 26	0	0	0	0	0	0	0	0	0	0	10% 1,225				
West Ave to Central Ave	5% 87	5% 26	5% 119	15% 284	15% 201	5% 122	15% 320	0	10% 211	10% 219	10% 151	10% 131	20% 2,450				
Central Ave to Caliente Ave	5% 87	5% 26	5% 119	15% 284	15% 201	5% 122	25% 534	0	15% 317	15% 329	15% 226	15% 197	20% 2,450				
<b>Street B</b>																	
Street C to West Ave	10% 174	5% 26	0	0	0	0	0	0	0	0	0	0	5% 613				
West Ave to Central Ave	10% 174	20% 105	5% 119	5% 95	5% 67	5% 122	0	0	5% 106	5% 110	5% 75	5% 66	5% 613				
Central Ave to S. Caliente Ave	10% 174	10% 53	10% 238	5% 95	5% 67	10% 245	5% 107	0	5% 106	5% 110	5% 75	5% 66	15% 1,838				
S. Caliente Ave to East Ave	10% 174	10% 53	30% 714	95% 1,801	95% 1,273	30% 734	100% 2,136	0	0	0	0	0	15% 1,838				
East of East Ave	5% 87	5% 26	0	15% 284	15% 201	0	50% 1,068	0	0	0	0	0	5% 613				
<b>Street C</b>																	
West Ave to S. Caliente Ave	10% 174	10% 53	5% 119	0	0	5% 122	0	0	0	0	0	0	5% 613				
<b>Street D</b>																	
S. Caliente Ave to East Ave	15% 261	15% 79	70% 1,666	5% 95	5% 67	5% 122	0	0	0	0	0	0	5% 613				
East of East Ave	3% 52	5% 26	20% 476	5% 95	5% 67	0	0	0	0	0	0	0	5% 613				
<b>West Ave</b>																	
Beyer Blvd to Street A	5% 87	5% 26	5% 119	10% 190	10% 134	5% 122	10% 214	0	20% 422	20% 438	20% 301	20% 263	5% 613				
Street A to Street B	10% 174	15% 79	5% 119	5% 95	5% 67	5% 122	0	0	10% 211	10% 219	10% 151	10% 131	5% 613				
<b>1st Ave</b>																	
Central Ave to Spine Rd	0	5% 26	0	0	0	0	0	0	0	0	0	0	5% 613				