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August 6, 2024

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

Subject: Southwest Village VTM-1 (up to 920 homes) Project Level Vehicle Miles Traveled

Assessment (PRJ-0614791)

Dear Ms. Gonsalves:

The purpose of this VMT Assessment is to determine if project-related significant transportation VMT impact would occur for the proposed Southwest Village VTM-1 project and to propose mitigation to the extent feasible for a potential significant VMT impact.

The proposed Southwest Village Vesting Tentative Map 1 residential project ("project") with up to 920 dwelling units is located within the Otay Mesa Southwest Village Specific Plan boundary and encompasses Planning Areas 8-14. The following discretionary approvals are required for the Specific Plan:

- 1) Ordinance approving the Southwest Village Specific Plan
- 2) Rezone Ordinance to implement Specific Plan land uses
- 3) General Plan/Otay Mesa Community Plan Amendment to remove the Neighborhood Village designation and designate Specific Plan land uses and circulation changes
- 4) Planned Development Permit (PDP) to implement requested deviations in the Specific Plan
- 5) Southwest Village VTM-1
- 6) Update to the Otay Mesa Public Facilities Financing Plan to include new parks, a sewer pump station, and other public facilities

Additional discretionary approvals required for VTM-1:

- 1) Site Development Permit
- 2) MHPA Boundary Adjustment

This project level Vehicle Miles Traveled (VMT) assessment is consistent with the methodologies outlined in the City of San Diego *Transportation Study Manual*, September 2022 (TSM) and includes the following sections:

- 1) Project Information Form
- 2) Project Description and Trip Generation
- 3) Vehicle Miles Traveled Assessment
 - a. Screening Criteria
 - b. Significance Thresholds
 - c. Methodology
 - d. Mitigation
- 4) Conclusion

PROJECT INFORMATION FORM

A Project Information Form (PIF) is required by the City of San Diego to determine if a Local Mobility Analysis (LMA) and/or a full VMT transportation analysis to evaluate transportation impacts under CEQA are required. A LMA is required and is provided under separate cover. The project does not screen out from requiring VMT analysis; therefore, this project level VMT analysis is provided. The PIF is included as **Attachment A**.

PROJECT DESCRIPTION AND TRIP GENERATION

The project includes up to 920 dwelling units (up to 142 single-family and up to 778 multi-family units) and is located in the southwest area of Otay Mesa within the Southwest Village Specific Plan as shown in **Figure 1**. The environmental analysis considers 920 units while the ultimate number of residential units in VTM-1 is refined through the planning process. The project site encompasses Planning Areas 8 through 14 within the Southwest Village Specific Plan as shown in **Figure 2**. A site plan is shown in **Figures 3 and 4**. The project site is vacant. The project is anticipated to open in 2024.

Access to the project will be from two Mobility Element roadways, Caliente Avenue located northeast of the site and Beyer Boulevard located west of the site. If Beyer Blvd is not extended by the 200th 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.

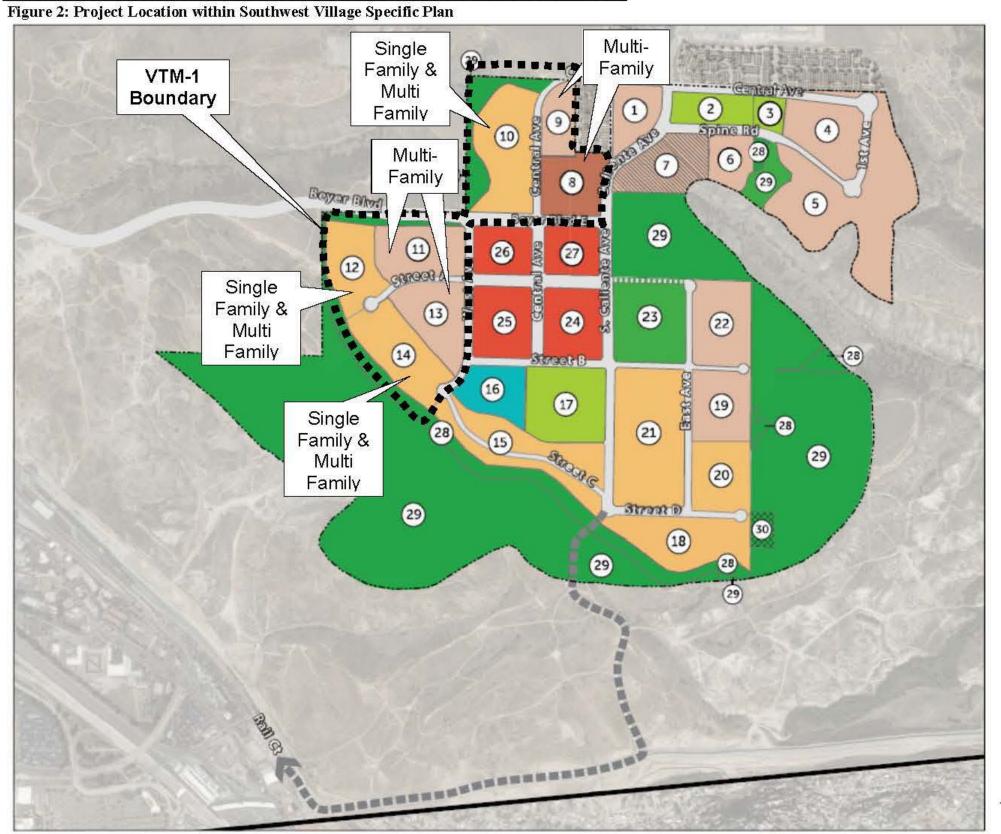
The project trip generation was calculated using trip rates from the City of San Diego *Trip Generation Manual*, May 2003. The project (with up to 920 dwelling units) is forecasted to generate 7,084 ADT with 568 AM peak hour trips (114 inbound and 454 outbound) and 693 PM peak hour trips (484 inbound and 208 outbound). as shown in **Table 1**.

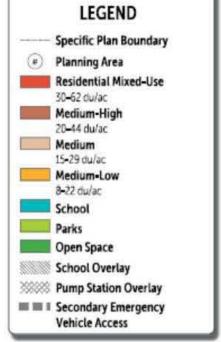
Table 1: Project Trip Generation

Proposed Land Uses		DT						P	M			Р	M
		ate	Size &	Units	ADT	%	Split	IN	OUT	%	Split	IN	OUT
Single-Family	10	/DU	142	DU	1,420	8%	0.2 0.8	23	91	10%	0.7 0.3	99	43
Multi-Family (under 20 du/ac)	8	/DU	498	DU	3,984	8%	0.2 0.8	64	255	10%	0.7 0.3	279	120
Multi-Family (over 20 du/ac)	6	/DU	<u>280</u>	DU	1,680	8%	0.2 0.8	<u>27</u>	<u>108</u>	9%	0.7 0.3	<u>106</u>	<u>45</u>
	To	tals:	920					114	454			484	208
			Trip T	otals:	7,084	Α	M Total:	5	68	Р	M Total:	6	93

Source: City of San Diego Trip Generation Manual, May 2003. Spreadsheet rounding may result in ±1 to above numbers.

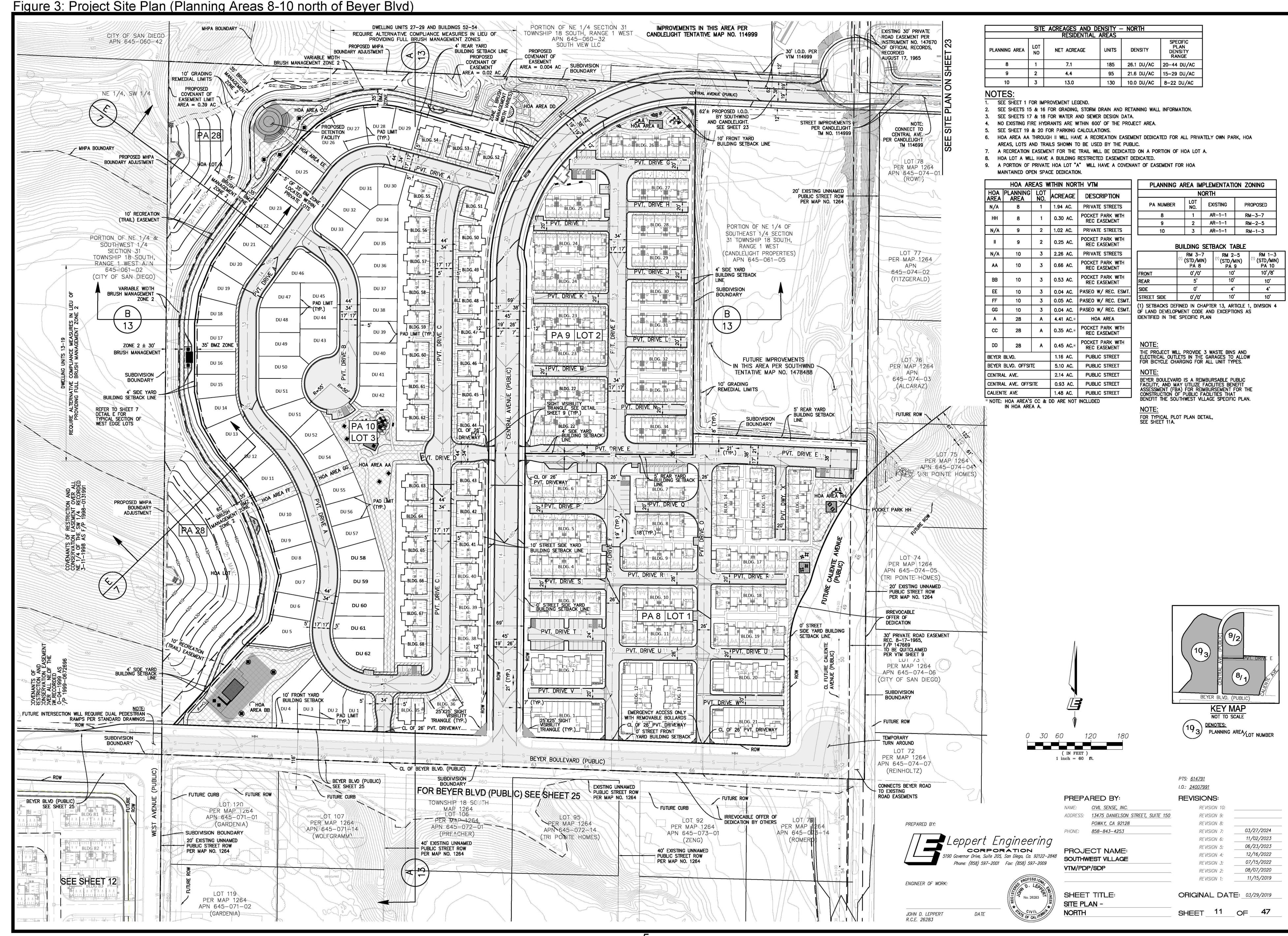
Figure 1: Regional Project Location Riverside County San Diego County Fallbrook Camp Joseph Pendleton Wamer Springs San Marcos Escondido Santa Carlsbad Julian Encinitas Poway -(56) Santee El Cajon Pine Valley La Mesay Boulder **PROJECT LOCATION** Chula Vista Campo Pacific Ocean (90) Tecate United States N Imperial Beach Legend No Scale Existing Roadway Mexico Proposed Roadway Source: LOS Engineering, Inc.

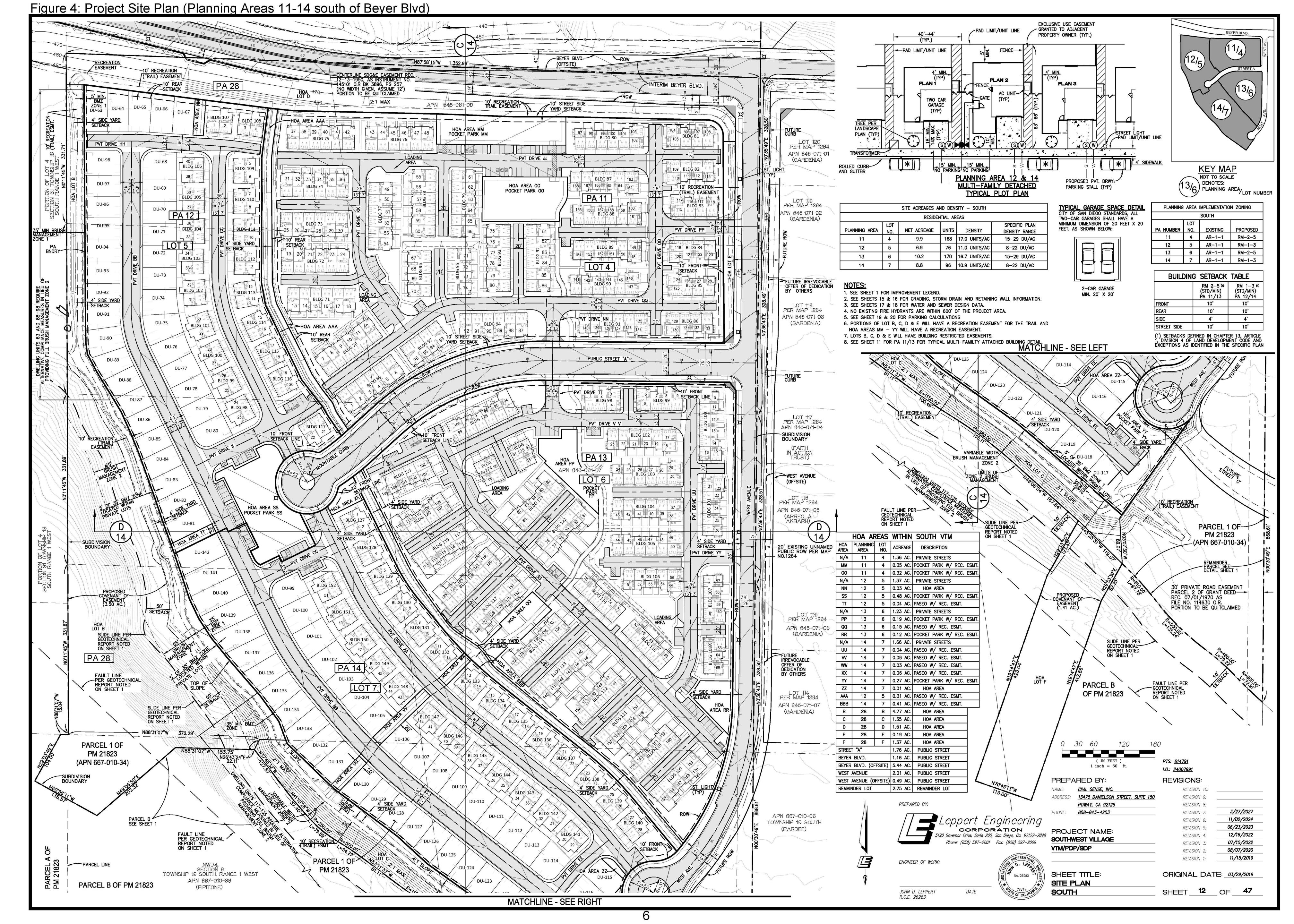






Source: Rick Engineering





VEHICLE MILES TRAVELED ASSESSMENT

VMT is a measure of network use or efficiency generally measured as a function of population (VMT per Capita) or employment (VMT per Employee). VMT is calculated by multiplying all project trips by their associated trip lengths and is typically determined for a weekday.

Screening Criteria

The TSM provides screening criteria for land use projects to determine what level or whether a VMT analysis is required. A detailed transportation VMT analysis is required for all land development projects, except for projects that meet one of the following criteria:

- 1) Residential or Commercial Project Located in a VMT Efficient Area
- 2) Industrial or Agricultural Project Located in a VMT Efficient Area
- 3) Small Project (less than 300 unadjusted driveway ADT)
- 4) Locally Serving Retail/Recreational Project
- 5) Locally Serving Public Facility
- 6) Affordable Housing (meeting certain criteria)

The project does not satisfy any of the above criteria and is required to provide a detailed VMT analysis as documented in the PIF (Attachment A). The methodology for detailed VMT analysis by land use is outlined in **Table 2**.

Table 2: Transportation VMT Analysis Methodology by Land Use

Land Use	Analysis Methodology
Residential	For projects that generate less than 2,400 daily unadjusted driveway trips: Identify the location of the project on the SANDAG VMT per Capita map. The project's VMT per Capita will be considered the same as the VMT per Capita of the census tract in which it is located. Compare the project's VMT per Capita to the threshold to determine if the impact is significant OR input the project into the SANDAG Regional Travel Demand Model to determine the project's VMT per Capita.
	For projects that generate greater than 2,400 daily unadjusted driveway trips: Input the project into the SANDAG Regional Travel Demand Model for SANDAG to provide the project's VMT per Capita. To perform the analysis, all project land uses should be inputted, and the VMT/Capita should be determined using the same method/scripts that SANDAG utilizes to develop the SANDAG VMT per Capita maps.

Source: City of San Diego Transportation Study Manual, September 2022.

The project trip generation of 7,084 ADT is over 2,400 ADT and therefore would typically be required to be coded into a SANDAG Regional Travel Demand Model to determine the project's VMT per Capita. However, since the project does not propose to quantify proposed mitigation measures, the project's VMT/Capita will be considered the same as the VMT/Capita of the census tract it is located within. The project land uses are included in the adopted Otay Mesa Community Plan Update regional model; therefore, the SANDAG screening map was used for this assessment.

Significance Criteria

The TSM documents the significance thresholds for residential projects as shown in **Table 3**.

Table 3: City of San Diego VMT Thresholds

Project Type	Metric	Significance Thresholds		
Residential	Resident VMT/Capita	15% below regional mean		

Source: City of San Diego Transportation Study Manual, September 2022.

Assessment Methodology and Findings

The project VMT was calculated using a the most recent SANDAG Series 14 Base Year 2016 Regional Travel Demand Activity Based Model 2 plus (ABM2+) screening map.

The SANDAG Series 14 Base Year 2016 screening map is included in **Attachment B**. The project is expected to have VMT/Capita at 93.8% of the regional mean, which is above 85th percentile mean VMT and therefore has a significant VMT transportation impact as shown in **Table 4**.

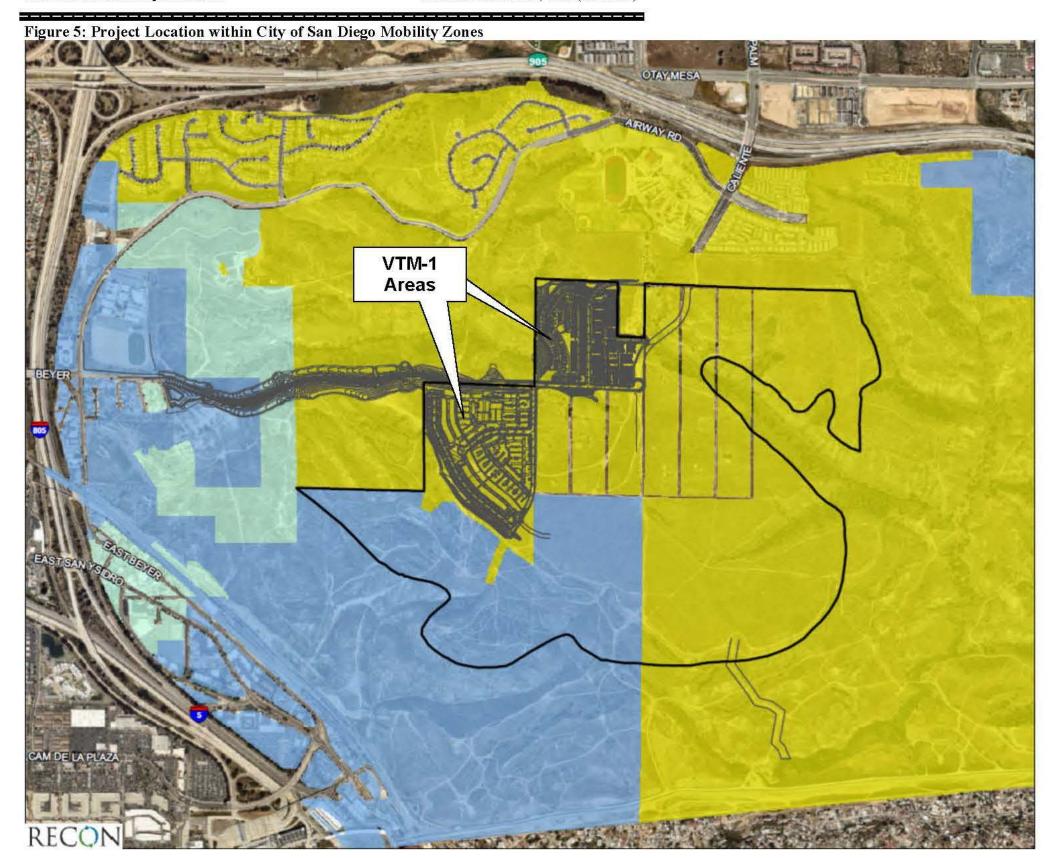
Table 4: City of San Diego VMT Thresholds (Series 14 ABM2+)

Base Year 2016 Project VMT/Capita	Series 14 Regional Mean VMT/Capita	Project % Compared to Regional Mean	Significant Transportation Impact (over 85%)?
17.8	18.9	93.8%	Yes

Source: SANDAG Series 14 ABM2+ Base Year 2016.

VMT Mitigation

VMT impacts can be mitigated through reducing the number of automobile trips or by reducing the distance that people drive. If full mitigation cannot be achieved, then mitigation to the greatest extent feasible is possible by payment of the current Active Transportation In Lieu Fee and the project's environmental document will rely upon the Findings and Statement of Overriding Considerations from the Complete Communities: Housing Solutions and Mobility Choices Final EIR. The project is in Mobility Zone 4 as shown in **Figure 5**.







City of San Diego Mobility Zones with Specific Plan Boundary

CONCLUSION

The project includes up to 920 dwelling units (up to 142 single-family and up to 778 multi-family units) and is located in the southwest area of Otay Mesa within the Southwest Village Specific Plan area.

The project VMT was obtained from a Series 14 ABM2+ Base Year 2016 screening map. The project is expected to have VMT/Capita at 93.8% of the regional mean, which is above 85th percentile mean VMT and therefore has a significant VMT transportation impact.

The project is in Mobility Zone 4, which requires the project to pay an Active Transportation In Lieu Fee as mitigation to the extent feasible and intends to rely upon the Findings and Statement of Overriding Considerations from the Complete Communities: Housing Solutions and Mobility Choices Final PEIR (City of San Diego SCH No. 2019060003 May 2020).

Sincerely,

LOS Engineering, Inc.

Justin Rasas, P.E.(TE 2135), PTOE

Principal and Officer of LOS Engineering, Inc.

Job 1733 Attachments



Attachment A

Project Information Form



City of San Diego **Project Information Form**

Project Information

Control of the Contro								
Project Name:	Project Name: Southwest Village VTM-1 (920 dwelling units)							
			Project App	licant				
Name:	Tri Pointe Homes							
Address:	13520 Evening Cre	ek Dr N	#300, SD 92128					
Contact Information	Phone Number:	858-794-2500 allen kashani@t					i@tripointehomes.com	
		Proje	ect Location a	nd Conte	xt			
Project Address:	South of southern to	erminus	of Caliente Ave					
APN:	645-061-04,06,07,0	8,09 66	7-010-01,22					
Driveway Cross Streets:	I SIIDNID AVO SI AIRWSV RO							
	h a Project Location	on Mag	that clearly ide	entifies pro	ject drive	ways and acce	ess po	oints.
Community Plan Area:		Otay Mesa Land Use Designation:		Residential		Zoning Designation		Residential (15-25 du/ac)
Is any portion of the pr	oject located in	an RT	P Transit Prio	rity Area?	: □Yes	■No		
Project Description (wit	th Proposed Lan	d Use	s and Intensit	ies):				
Project will include Beyer Blvd will the			-		00th res	sidential u		multi-family).
Number of Parking Spaces:	Vehicle Spac	ces	Accessible	Spaces	(racks	le Spaces and secure orage)	Mo	otorcycle Spaces
	2,305		24		533 ir	garages		94
Identify any project	features related	to TD	M and Identif	y any tran	sportati	on amenities	orti	ravel demand
management mea	sures that are r	equire	d based on th	ne San Die	ego Mun	icipal Code S	ectio	n 142.0528
(transportation am	enities) or the C	limate	Action Plan (Consisten	cy Check	list. For exan	nple:	transit pass
subsidies,	unbundled park	ing, sh	nuttle services	, car shar	e, bicycle	e supportive	featu	ures
	(hil	e ren	air station hil	e lockers	etc)			

Please attach a project site plan that clearly identifies the following:

- Land use types and quantities, and number of parking spaces provided (vehicle and bicycle) clearly identified.
- Driveway locations and type (full access, partial access, right in/out only) identified.
- Pedestrian access, bicycle access and on-site pedestrian circulation clearly identified.
- Location/distance of closest existing transit stop and proposed transit stops identified in RTIP (measured as walking distance to project entrance/or middle of parcel).



City of San Diego Project Information Form

Trip Generation Estimates	Unadjusted Driveway Trip	S	Total Net New Trips		
(calculated using the process described in the TSM):	Daily:	7,084	Daily:	7,084	
	AM Peak Hour:	568	AM Peak Hour:	568	
	PM Peak Hour:	692	PM Peak Hour:	692	

Pre	liminary Screening	g Criteria				
CEQA Transportation Analysis Screening 1) Select the Land Uses that apply to your project 2) Answer the questions for each Land Use that applies to your project (if "Yes" in any land use category below then that land use (or a portion of the land use) is screened from CEQA Transportation Analysis)						Not Screened Out
П	1. Redevelopment F	Proiect:			Yes	NO
		ject result in a net decrease in	total Project VMT?			
		to 1a. If the project replaces at there more market rate units p eplaced.			0	0
1	2. Residential Projec	ct:				
		in a VMT/Capita Efficient Area		?	\bigcirc	•
	b. Does the project include Affordable Housing? $\frac{92 \text{ (AMI TBD)}}{Affordable Units} + \frac{828}{Market Rate Units} = \frac{920}{Total Units}$ All affordable units are screened out.					
3. Commercial Employment Project:						_
Is the project in a VMT/Employee Efficient Area? (per SANDAG screening maps?)						\bigcirc
4. Industrial Employment Project						
	Is the project in a VMT/Industrial Employee Efficient Area?					
	5. Retail/Public Facil	ity/Recreational			_	_
	Is the project locally serving: - Retail OR Public Facility OR Recreational					
	6. Small Project					
	For all components of a project that are not screened out above (all 'Yes' in a land use category), what is the daily unadjusted driveway trip generation? Is it less than 300 daily trips?					
		Local Mobility	Analysis			
con	Is your project's land use consistent with the Community Plan zoning? Occupant Consistent Community Plan zoning? Occupant Consistent Consiste					
	Will project development be phased? Yes, at 200th unit, Beyer Blvd will be extended into San Ysidro The what month are traffic counts planned to be conducted? Feb 2022					



City of San Diego Project Information Form

If a project generates 1,000 or more daily trips (consistent with Community Plan Zoning) or 500 or more daily trips (inconsistent with Community Plan zoning), attach an exhibit showing the project's trip distribution percentages and project trip assignment using the process described in the TSM.

Attachment B

SANDAG Series 14 VMT Screening Map

Year 2016 VMT per Capita

