# Common Open Space Commercial Subdivision & SUP Continuum of Care Cottage Community

Submitted to Washoe County

January 10, 2022

Prepared for Silverado Homes NV Inc

5525 Kietzke Lane Reno, NV 89511 Prepared by



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## Section 1

### **Washoe County Development Application**

Your entire application is a public record. If you have a concern about releasing personal information, please contact Planning and Building staff at 775.328.6100.

Project Information	S	taff Assigned Case No.:			
Project Name: Continuum of Care Cottage Community					
Project A common open space commercial subdivision and special use permit to allow the subdivision of 21.56  Description: acres into 136 unit continuum of care cottage units, for sale, with 10.42 acres of common open space. The proposed project offers a housing type specifically designed to support long term needs for seniors.					
Project Address: 0 Neighborhood Way, Washoe County					
Project Area (acres or square feet): 21.56 acres					
Project Location (with point of re		streets AND area locator):			
Approximately 1,650 feet nort	h of the intersectior	n of Eagle Canyon Drive and N	eighborhood Way.		
Assessor's Parcel No.(s):	Parcel Acreage:	Assessor's Parcel No.(s):	Parcel Acreage:		
532-032-05	20.75				
a portion of 532-032-16	0.81				
Indicate any previous Washo	e County approval	s associated with this applicat	tion:		
Case No.(s).					
Applicant Inf	<b>ormation</b> (attach	additional sheets if necess	sary)		
Property Owner:		Professional Consultant:			
Name: Spanish Springs Associates LP		Name: Wood Rodgers, Inc			
Address: 550 W. Plum Lane, Ste B		Address: 1361 Corporate Blvd			
Reno, NV	Zip: 89509	Reno, NV	Zip: 89502		
Phone: 775-425-4422	Fax:	Phone: 775-823-5258	Fax:		
Email: jesse@hawcoproperties.	com	Email: shuggins@woodrogers.c	com		
Cell:	Other:	Cell:	Other:		
Contact Person: Jesse Haw		Contact Person: Stacie Huggin	s		
Applicant/Developer:		Other Persons to be Contac	ted:		
Name: Silverado Homes NV Inc		Name:			
Address: 5525 Kietzke Lane		Address:			
Reno, NV	Zip: 89511		Zip:		
Phone: 775-333-5620	Fax:	Phone:	Fax:		
Email: gpeitzmeier@silveradoh	omes.com	Email:			
Cell:	Other:	Cell:	Other:		
Contact Person: Greg Peitzmei	er	Contact Person:			
	For Office	e Use Only			
Date Received:	Initial:	Planning Area:			
County Commission District:		Master Plan Designation(s):			
CAB(s):		Regulatory Zoning(s):			

### **Property Owner Affidavit**

Applicant Name: Spanish Springs Associates LP	
The receipt of this application at the time of submittal do requirements of the Washoe County Development Capplicable area plan, the applicable regulatory zoning, obe processed.	Code, the Washoe County Master Plan or the
STATE OF NEVADA )	
COUNTY OF WASHOE )	
JESSE HAW	
(please print	
being duly sworn, depose and say that I am the own application as listed below and that the foregoing sta information herewith submitted are in all respects compl and belief. I understand that no assurance or guarar Building.  (A separate Affidavit must be provided by each	tements and answers herein contained and the lete, true, and correct to the best of my knowledge interest of planning and lete can be given by members of Planning and
(A Separate Amuavit must be provided by each	property content manner in the track of
Assessor Parcel Number(s): <u>532-032-05 &amp; 532-032-16</u>	
Print	Signed  Address  SUM B TOS REW, NO 8980
Subscribed and sworn to before me this 22 day of December , 2021.	(Notary Stamp)
Notary Public in and for said county and state  My commission expires: 1-8-24	TREENA KRAUSS Notary Public - State of Nevada Appointment Recorded in Washoe County No: 20-0398-02 - Expires January 8, 2024
*Owner refers to the following: (Please mark appropriat	e box.)
□ Owner	
☐ Corporate Officer/Partner (Provide copy of reco	rd document indicating authority to sign.)
☐ Power of Attorney (Provide copy of Power of At	
Owner Agent (Provide notarized letter from property)	
□ Property Agent (Provide copy of record docume	
☐ Letter from Government Agency with Stewards	

## Tentative Subdivision Map Application Supplemental Information

(All required information may be separately attached)

1. What is the location (address or distance and direction from nearest intersection)?

0 Neighborhood Way, approximately 1,650 feet north of the intersection of Eagle Canyon Dr & Neighborhood Way

2. What is the subdivision name (proposed name must not duplicate the name of any existing subdivision)?

### Continuum of Care Cottage Community

3. Density and lot design:

a. Acreage of project site	21.56
b. Total number of lots	136 units
c. Dwelling units per acre	6.3 du/ac
d. Minimum and maximum area of proposed lots	2,004- 2,400 square feet
e. Minimum width of proposed lots	40 feet
f. Average lot size	2,220 square feet

4. What utility company or organization will provide services to the development:

a. Sewer Service	Washoe County
b. Electrical Service	NV Energy
c. Telephone Service	AT&T or Spectrum Communications
d. LPG or Natural Gas Service	NV Energy
e. Solid Waste Disposal Service	Waste Management
f. Cable Television Service	Spectrum Communications
g. Water Service	TMWA

- 5. For common open space subdivisions (Article 408), please answer the following:
  - a. Acreage of common open space:

#### 10.42 acres

b. What development constraints are within the development and how many acres are designated slope, wetlands, faults, springs, and/or ridgelines:

None.

c. Range of lot sizes (include minimum and maximum lot size):

As designed, each lot will be the unit with units ranging from 2,004 - 2,400 square feet in size.

	d.	Proposed yard setbacks if different from standard:
		The project proposes the following setbacks apply to each lot: 0' Front, 0' Side, 0' Rear with 10' separation between each unit. A minimum 20' driveway (measured from curb to garage door) will be provided for each lot.
	e.	Justification for setback reduction or increase, if requested:
		As a common open space development, each lot is intended to accommodate a home so the homeowner is only responsible for the building with the yards and amenities owned/maintained by the HOA.
	f.	Identify all proposed non-residential uses:
		Village Center/recreation area centrally located, additional amenities such as a dog park and raised community gardens will be strategically located throughout.
	g.	Improvements proposed for the common open space:
		All common areas will be fully landscaped with a paseo trail system that provides connection to and from the Village Center/recreation area from the units.
	h.	Describe or show on the tentative map any public or private trail systems within common open space of the development:
		The paseo trail system is shown on the plans.
	i.	Describe the connectivity of the proposed trail system with existing trails or open space adjacent to or near the property:
		The trail system within the project will connect with existing sidewalk along Neighborhood Way so residents can access the trail system west of the project as well as the trails system across the channel for access to additional common areas.
	j.	If there are ridgelines on the property, how are they protected from development?
		N/A
	k.	Will fencing be allowed on lot lines or restricted? If so, how?
		Fencing will be provided around the exterior parcel boundary and on perimeter lots (with gates for maintenance) Each unit will also have a fenced in courtyard with open view fencing.
	Ι.	Identify the party responsible for maintenance of the common open space:
		The HOA for the COC will be responsible for maintenance of all common areas. The Developer will establish CC&R's outlining responsibilities upon approval of the project.
6	add http	the project adjacent to public lands or impacted by "Presumed Public Roads" as shown on the opted April 27, 1999 Presumed Public Roads (see Washoe County Engineering website at p://www.washoecounty.us/pubworks/engineering.htm). If so, how is access to those features ovided?
	N/	'A
7.	ls t	the parcel within the Truckee Meadows Service Area?
	- F	■ Yes □ No
		Tes

Is th	e parcel wi	thin the C	ooperative Planning A	Area as defined by the Reg	ional Plan?
	Yes	■ No	If yes, within what o	city?	
Has wer	an archeo e the finding	logical su gs?	rvey been reviewed a	and approved by SHPO o	n the property? If yes, what
At t	his time, an	archaeolog	ical survey has not beel	n conducted.	
Indi	cate the typ	e and qua	antity of water rights t	he application has or propo	ses to have available:
a.	Permit #		N/A	acre-feet per year	
	Certificate	#		acre-feet per year	
_	Surface Cla			acre-feet per year	
_	Other#			acre-feet per year	
a.	Title of the Departmen	ese rights at of Cons	(as filed with the Sta ervation and Natural I	ate Engineer in the Division Resources):	n of Water Resources of the
Des	scribe the a	spects of	the tentative subdivisi	on that contribute to energ	y conservation:
Fut	ure homes w luding use of	rill be const reclaimed	ructed with energy efficie water for all common are	ent appliances, windows, and vea landscaping.	vater conservation elements
enc ple	langared ni	ants and/ species	or animals, critical bro	eeding habitat, migration re	potentially containing rare or outes or winter range? If so, be taken to prevent adverse
No	).:				
If p	200			unity be gated? If so, is a	public trail system easement
The	e community	will be gate	d for safety purposes and	d all roads will be private. A pul	blic trail easement is not included.
Are	there any	applicable	e policies of the adop		project is located that require
Tł	ne project	complies	with policies SS 1	.2, 1.3, and 1.5, specifi	cally.
Are	there any	applicable	e area plan modifiers ? If so, which modifie	in the Development Code rs and how does the projec	in which the project is located ct comply?
No					
Wi pla		t be comp	oleted in one phase o	r is phasing planned? If so	o, please provide that phasing

Anticipate 2 phases; phase 1 will include the Village Center and everything to the south; with phase 2 being everything north of Village Center.

	☐ Yes ■ N	lo If yes, include a separate set of attachments and maps.
18.	Is the project subject	t to Article 418, Significant Hydrologic Resources? If yes, please address Special ons within Section 110.418.30 in a separate attachment.
	☐ Yes ☐ N	Io If yes, include separate attachments.
		Grading
(1) bu im cu	Disturbed area excitidings and landscaported and placed a bic yards of earth to the excavated	ollowing additional questions if the project anticipates grading that involves: ceeding twenty-five thousand (25,000) square feet not covered by streets, aping; (2) More than one thousand (1,000) cubic yards of earth to be as fill in a special flood hazard area; (3) More than five thousand (5,000) to be imported and placed as fill; (4) More than one thousand (1,000) cubic it, whether or not the earth will be exported from the property; or (5) If a fucture will be established over four and one-half (4.5) feet high:
		rds of material are you proposing to excavate on site?
	The site will be a	an import site and require approximately 55,000 CY of imported fill.
20.	anticipated where v	rards of material are you exporting or importing? If exporting of material is will the material be sent? If the disposal site is within unincorporated Washoe ures will be taken for erosion control and revegetation at the site? If none, how he work on-site?
	55,000 CY o	of material will be imported; no export is anticipated.
21.	Can the disturbed a roadways? What m	area be seen from off-site? If yes, from which directions, and which properties o leasures will be taken to mitigate their impacts?
	Yes, the disturbed are	eas will be seen from off site during construction. Once the project is complete, the disturbed
	areas will be landscap	of developed.
22.	What is the slope (F	Horizontal/Vertical) of the cut and fill areas proposed to be? What methods will be sion until the revegetation is established?
22.	What is the slope (Fused to prevent eros	Horizontal/Vertical) of the cut and fill areas proposed to be? What methods will be
22.	What is the slope (Fused to prevent eros  Cuts/fills are anticipate construction.	Horizontal/Vertical) of the cut and fill areas proposed to be? What methods will be sion until the revegetation is established?  ed to be minimal. All disturbed areas will be temporarily stabilized using BMP's during  ny berms and, if so, how tall is the berm at its highest? How will it be stabilized

Washoe County Planning and Building
TENTATIVE SUBDIVISION MAP APPLICATION SUPPLEMENTAL INFORMATION

There is potential for walls along the west and eastern edges. These walls would be a maximum of 6 feet and likely be rockery or manufactured block.

25. Will the grading proposed require removal of any trees? If so, what species, how many, and of what size?

No, the only trees onsite are within the existing landscaping along Neighborhood Way, which will not be removed.

26. What type of revegetation seed mix are you planning to use and how many pounds per acre do you intend to broadcast? Will you use mulch and, if so, what type?

Any revegetation will include a seed mix applied in accordance with Washoe County requirements.

27. How are you providing temporary irrigation to the disturbed area?

Temporary irrigation during construction will include the use fo water trucks to minimize dust.

28. Have you reviewed the revegetation plan with the Washoe Storey Conservation District? If yes, have you incorporated their suggestions?

No, since all of the disturbed area is temporary and planned to be developed or formally landscaped, there is not a revegetation plan.

#### Special Use Permit Application Supplemental Information

(All required information may be separately attached)

1. What is the project being requested?

The special use permit is needed to address number of units and parking associated with a a 136 unit continuum of care (COC) cottage community. The COC community will operate as a commercial entity as outlined in the Project Description in Section 2 of this application.

2. Provide a site plan with all existing and proposed structures (e.g. new structures, roadway improvements, utilities, sanitation, water supply, drainage, parking, signs, etc.)

A full set of plans have been provided with this submittal package.

3. What is the intended phasing schedule for the construction and completion of the project?

The project is proposed to be completed in 2 phases with approximate 60 units and the Village Center in the first phase (everything south of Village Center) and the remaining units (north of Village Center) in the second phase. The entire project is expect to be completed as soon as possible based on market conditions with a maximum of 6 years from receipt of first building permit.

4. What physical characteristics of your location and/or premises are especially suited to deal with the impacts and the intensity of your proposed use?

The site is relativity flat and located in the NC zoning designation, where COC operations are allowed to operate as a commercial entity. The site is vacant but is surrounded by development and should be considered an infill site with existing utilities stubbed to the site. The utilities and roadway infrastructure are adequately sized and will not be negatively impacted by the proposal.

5. What are the anticipated beneficial aspects or affects your project will have on adjacent properties and the community?

The region is facing an aging population with very few alternatives for independent seniors. This project will serve the "missing middle" for seniors offering a housing type specifically designed to support long term needs. This cottage community will offer a "for sale" housing product for seniors that want the benefit of independent living but with the peace of mind that supportive services are available.

6. What are the anticipated negative impacts or affect your project will have on adjacent properties? How will you mitigate these impacts?

This project is expected to have minimal impact on the surrounding neighborhood as the existing infrastructure is already in place and the proposed use is a relatively low traffic generator.

7. Provide specific information on landscaping, parking, type of signs and lighting, and all other code requirements pertinent to the type of use being purposed. Show and indicate these requirements on submitted drawings with the application.

Refer to Project Description and plans included with submittal.

Yes (Provided in S	Section 4	)		No	
tilities:					
a. Sewer Service		Washoe Cou	nty		
b. Electrical Service		NV Energy			
c. Telephone Service		AT&T or Spe	ctrum	Communications	
d. LPG or Natural Gas S	ervice	NV Energy			
e. Solid Waste Disposal	Service	Waste Manag	geme	nt	
f. Cable Television Serv	ice	Spectrum Co	mmu	nications	
g. Water Service		Truckee Mea	dows	Water Authority (TMWA)	)
h. Permit #	Ü			acre-feet per year	
h Permit #				acre-feet per year	
i. Certificate #				acre-feet per year	
j. Surface Claim #				acre-feet per year	
k. Other#				acre-feet per year	
itle of those rights (as	filed with	the State E	ngin	eer in the Division of	Water Resources
itle of those rights (as Department of Conservation	filed with on and N	the State E atural Resour	ngin rces)	eer in the Division of	Water Resources
Department of Conservation	on and N	atural Resour	ces)	eer in the Division of	Water Resources
Department of Conservation	on and N	atural Resour	ity):	eer in the Division of	Water Resources
Department of Conservation  Community Services (proval. Fire Station	vided and	atural Resour I nearest facil	ity):		
Department of Conservation  Community Services (prova. Fire Station  b. Health Care Facility	vided and Trucke	atural Resour I nearest facil ee Meadows F vn Medical Gro	ity): ire St	ation 46; 1 mile west	
Department of Conservation  Community Services (proval. Fire Station	vided and Trucke Renov Taylor	atural Resour I nearest facil ee Meadows F vn Medical Gro Elementary S	ity): ire St oup -	ation 46; 1 mile west Los Altos Pkwy; 4.5 miles	
Community Services (prova. Fire Station b. Health Care Facility c. Elementary School d. Middle School	vided and Trucke Renov Taylor Shaw	atural Resour I nearest facil ee Meadows F vn Medical Gro Elementary S Middle School	ity): ire St oup - chool ; adja	ation 46; 1 mile west Los Altos Pkwy; 4.5 miles ; 0.5 miles northwest	
Community Services (prova. Fire Station  b. Health Care Facility c. Elementary School d. Middle School	vided and Trucke Renov Taylor Shaw Spanis	I nearest facil ee Meadows F vn Medical Gro Elementary S Middle School sh Springs Hig	ity): ire St oup - chool ; adja h Sch	ation 46; 1 mile west Los Altos Pkwy; 4.5 miles ; 0.5 miles northwest cent to property	
Community Services (prova. Fire Station b. Health Care Facility c. Elementary School d. Middle School e. High School	vided and Trucke Renov Taylor Shaw Spanie Eagle	atural Resour I nearest facil ee Meadows F vn Medical Gro Elementary S Middle School sh Springs Hig Canyon Park;	ity): ire St oup - chool ; adja h Sch	ation 46; 1 mile west Los Altos Pkwy; 4.5 miles ; 0.5 miles northwest cent to property	
Community Services (prova. Fire Station b. Health Care Facility c. Elementary School d. Middle School e. High School f. Parks	vided and Trucke Renov Taylor Shaw Spani Eagle Spani	atural Resour I nearest facil ee Meadows F vn Medical Gro Elementary S Middle School sh Springs Hig Canyon Park;	ity): ire St oup - chool ; adja h Sch adjac	ation 46; 1 mile west Los Altos Pkwy; 4.5 miles ; 0.5 miles northwest icent to property nool; 1 mile east cent to property 2.2 miles south	

## Special Use Permit Application for Grading Supplemental Information

(All required information may be separately attached)

1.	What is the purpose of the grading?
	To support development of a 136 unit Continuum of Care Cottage community (operating as a commercial entity) to support long term needs for seniors.
2.	How many cubic yards of material are you proposing to excavate on site?
	The site will be an import site and require approximately 55,000 CY of imported fill.
3.	How many square feet of surface of the property are you disturbing?
	Nearly the entire site will be disturbed as part of this project; approx 21 acres or 900,000 sqft.
4.	How many cubic yards of material are you exporting or importing? If none, how are you managing to balance the work on-site?
	55,000 CY of material will be imported; no export is anticipated.
5.	Is it possible to develop your property without surpassing the grading thresholds requiring a Special Use Permit? (Explain fully your answer.)
	No, the site will require an import of 55,000 CY to achieve the proper drainage of the site and to insure all of the development is able to meet the standards outlined in Washoe County Development Code.
6.	Has any portion of the grading shown on the plan been done previously? (If yes, explain the circumstances, the year the work was done, and who completed the work.)
	No, the site has not been graded previously.
7.	Have you shown all areas on your site plan that are proposed to be disturbed by grading? (If no, explain your answer.)
	Yes, please refer to the grading plan submitted with this application.

8. Can the disturbed area be seen from off-site? If yes, from which directions and which properties or roadways?

Yes, the disturbed areas will be able to be seen from off site during construction. Once the project is complete the disturbed areas will be landscaped or contain built structures and infrastructure.

9. Could neighboring properties also be served by the proposed access/grading requested (i.e. if you are creating a driveway, would it be used for access to additional neighboring properties)?

Since all of the streets on the property will be private no neighboring properties will need to access the site. Although existing easements will be maintained.

10. What is the slope (horizontal/vertical) of the cut and fill areas proposed to be? What methods will be used to prevent erosion until the revegetation is established?

Cuts and fills are anticipated to be minimal. All disturbed areas will be temporarily stabilized using BMP's during construction and will be formally landscaped upon completion of the project.

11. Are you planning any berms?

Yes	NoX	If yes, how tall is the berm at its highest?
1165	INOX	it yes, now tall is the benth at its might etc.

12. If your property slopes and you are leveling a pad for a building, are retaining walls going to be required? If so, how high will the walls be and what is their construction (i.e. rockery, concrete, timber, manufactured block)?

There is potential for walls along the west and eastern edges. These walls would be a maximum of 6 feet and likely be rockery or manufactured block.

13. What are you proposing for visual mitigation of the work?

All grading will be temporary and should only occur during construction. Visual mitigation will not be required.

14. Will the grading proposed require removal of any trees? If so, what species, how many and of what size?

No, the only trees on site are within the formal landscaping along Neighborhood Way. These are not anticipated to be removed.

15. What type of revegetation seed mix are you planning to use and how many pounds per acre do you intend to broadcast? Will you use mulch and, if so, what type?

No revegitation is anticipated; however, any revegetation will include a seed mix applied in accordance with Washoe County requirements.

16. How are you providing temporary irrigation to the disturbed area?

Temporary irrigation during construction will include the use of water trucks to minimize dust.

17. Have you reviewed the revegetation plan with the Washoe Storey Conservation District? If yes, have you incorporated their suggestions?

No, since all of the disturbed area is temporary and planned to be developed or formally landscaped there is not a revegetation plan included in this application.

18. Are there any restrictive covenants, recorded conditions, or deed restrictions (CC&Rs) that may prohibit the requested grading?

Yes	No X	If yes, please attach a copy. A copy of the CC&Rs has been provided.

Bill Detail

Parcel/Identifier: 53203205

**Owner: SPANISH SPRINGS** ASSOCIATES LP

Last Update: 1/6/2022 12:53:26 PM

Gross



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Some of the contraction of the charges listed here, please contact the respective taxing agency directly, or call (775) 328-2510.

▲ State of Nevada

Tax Authority Fund	Tax Amount	Credit Amount	Net Tax Amount
State Of Nevada	\$308.66	\$0.00	\$308.66
	Gross Tax	Credit Amount	Net Tax
	\$308.66	\$0.00	\$308.66

- Truckee Meadows Fire Dist
- Washoe County
- Washoe County Sc
- SPANISH SPRINGS WATER BASIN

Gross Tax	Credit Amount	Net Tax
\$5,884.95	\$0.00	\$5,884.95



#### Payment History

Тах Үеаг	Bill Number	Receipt Number	Paid Paid	Paid
2021	2021350662	U21.7153	\$1,472.72	8/18/21
2021	2021350662	U21,10399	\$1,470.75	10/6/21
2021	2021350662	U21.14170	\$1,470.74	1/3/22

#### Attention: Important Information, please be advised:

- ALERTS: If your real property taxes are delinquent, the search results displayed may not reflect the correct amount owing. Please contact our office for the current amount due.
- If payment confirmation is not received, please check the "SPAM" folder in your e-mail account. Add "Payments@Bill2Pay.com" to your safesenders list in order to ensure that the payment confirmation is routed to your inbox.

Parcel/Identifier: 53203216

Owner: SPANISH SPRINGS

ASSOCIATES LP

Last Update: 1/6/2022 12:50:50 PM



#### Tax Distribution by Fund

Some of the contraction of the charges listed here, please contact the respective taxing agency directly, or call (775) 328-2510.

▲ State of Nevada

Tax Authority Fund	Gross Tax Amount	Credit Amount	Net Tax Amount
State Of Nevada	\$164.82	\$0.00	\$164.82
	Gross Tax	Credit Amount	Net Tax
	\$164.82	\$0.00	\$164.82

- Truckee Meadows Fire Dist
- ... Washoe County
- Washoe County Sc
- SPANISH SPRINGS WATER BASIN

Gross Tax	Credit Amount	Net Tax
\$3,143.36	\$0.00	\$3,143.36



#### Payment History

Tax Year	Bill Number	Number	Paid	Paid
2021	2021371347	U21.7153	\$787.32	8/18/21
2021	2021371347	U21.10399	\$785.35	10/6/21
2021	2021371347	U21.14170	\$785.35	1/3/22

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## Section 2



#### **Project Description**

#### Introduction

For decades, the choices afforded to seniors were extremely limited with "active adult" communities serving younger (55+) fully independent and active early retirees, while end of care support was offered by traditional multi-story lodge facilities primarily delivering assisted and memory care support. As seniors are increasingly living longer, many well into their 90's, these limited options have failed to serve the "missing middle" for seniors needing long-term Continuum of Care support.

Seniors have many hurdles in finding housing that supports their long term needs, such as finances, safety, and health and wellness. When a senior is given the opportunity to age in a safe home environment with programs that augment and support the social and financial needs, seniors are able to age successfully in place in their community with friends and family nearby.

Looking first at the *financial aspect*, seniors are living longer today. Most seniors, given the appropriate safe home and community support, can live independently from their 70's well into their 90's. By contrast, the assisted living/memory care component of a continuum of care community typically serves a much shorter 2-5 year end of care cycle. Senior's nest eggs are heavily funded through the sale of their long-term home where they raised their families. The cost of lodge type living is typically in the \$5,000-\$8,000 per month range. This cost could deplete the seniors nest egg in only a few years. The proposed project fulfills the missing middle, the largest in number and age duration, by allowing for fee simple ownership in a safe home with supportive services. This ownership would maintain or grow the seniors nest egg, allowing them to live for decades independently, thus saving the nest egg for the final stage of the continuum of care journey. Thus, if a higher level of end of care is needed, the availability of a full assisted/memory care lodge is available in their community enabling residents to stay connected with family and friends.

Equally important, a housing choice that <u>safely</u> supports the needs of the aging senior. Virtually all housing choices, including the senior's current home and active adult type communities, do not provide a safe aging environment. The proposed project will address and provide "universal living design features" such as: zero threshold entries and shower stalls, wider doorways and hallways, kitchen workspaces at convenient heights, smoke detectors / fire sprinklers, motion activated lighting controls, hand holds/grab bars, non-slip flooring and technology based communication such as life alert pendant for quick response to senior needs. The community will be based around a paseo trail network that links homes to each other, as well as all the community amenities, including the Village Center, community gardens, dog park and gathering areas within the community that create connections to the rear patio/courtyards of the cottage homes. These trails also foster strong social interaction between seniors and create a true sense of community.

Finally, another prime element of the "missing middle" continuum of care arena is appropriate <a href="health and wellness">health and wellness</a> services. The project will provide services that fit between active adult and fully assisted living lodge type programs. Active adult communities provide activities such as golf, tennis, pickleball, bicycle clubs and the like. Lodges provide higher levels of assistance to a much older and frail senior such as personal assistance with dressing, bathing, restroom visits, medication management, and wheelchair transport. These services are expensive and not needed by the senior in the mid-point of the continuum of care life span. The project will provide services that match the needs of seniors to maintain a healthy, safe lifestyle such as water aerobics and balance/strength classes to help minimize the prospect of a serious fall, as well as maintenance such as

#### Common Open Space Commercial Subdivision & Special Use Permit

landscaping, gutter cleaning, changing ceiling lights and smoke detector batteries for similar results, on and offsite transportation (both for social outings as well as the full range of medical appointments in area facilities). In addition, since lack of social engagement and isolation can rapidly cause a consequential decline in physical health, the closely connected design of the community, it's amenities and the on-going social activities promotes the long-term wellbeing of our residents. Further, living alone in an isolated home outside of a continuum of care community leaves seniors vulnerable when alone and a medical condition or fall occurs. And while continuum of care facilities are not licensed medical caregivers, all residents have pendant call buttons monitored 24/7 to provide the comfort of a responder to their side, and should that involve the need for emergency medical response, a person is at their side to comfort them, until such appropriate medical response arrives to the community.

These features, combined with the community and social benefits, encourage seniors to spend more time on what is important: family, friends, and hobbies, while having piece of mind that whatever happens tomorrow, there will be a place to call home within a community that cares, not only for them, but about them.

#### **Location**

The project site is within unincorporated Washoe County, in the Spanish Springs area. The project site includes Washoe County Assessor Parcel Number (APN) 532-032-05 and a portion of APN 532-032-16. The site is generally located approximately ½ mile northwest of the intersection of Eagle Canyon Road and Pyramid Way Highway, within the Spanish Springs Area Plan/Spanish Springs Suburban Character Management Area. The site is vacant with existing infrastructure located on the western boundary of the site within Neighborhood Way.

The site is bordered by an existing assisted living lodge and vacant land to the west, vacant land to the south, single-family residential development to the north and single family residential and the North Spanish Springs Flood Detention Facility Outlet Channel to the east (Refer to Vicinity Map, Assessor's Parcel Map and Site Aerial in Section 3 of this submittal packet).

#### Site Background

The project site was originally planned to provide commercial and medical services to the growing community. However, with other large commercial centers constructed south of the project area in the City of Sparks, the need for commercial/medical services within this area has decreased. At the same time, the region has been experiencing an aging population and a housing shortage as the population continues to increase with very few alternatives between traditional single-family homes, multi-family and assisted living facilities. This new community will support other previously approved Continuum of Care facilities in the area by providing seniors with yet another option for independent living in a home like environment but with the convenience of not having to maintain a yard and with access to a number of supportive care elements.

#### Washoe County Master Plan and Zoning

According to Washoe County mapping, the current master plan designation is split into Commercial (C) and Open Space (OS) which conforms with the current respected zoning designations of Neighborhood Commercial (NC) and Open Space (OS). (Refer to Section 3 of the submittal packet for Zoning and Master Plan Maps). The proposed land use is conforming with the current zoning designations and is allowed within the SSAP with the approval of a Special Use Permit (SUP).

	Land Use	Zoning	Use
	Designation		
North	SR	MDS	Single-Family Detached
South	С	NC	Vacant Land
East	OS/S	OS/MDS	North Spanish Springs Flood Detention Facility Outlet Channel/Single Family Detached
West	С	NC	Continuum of Care Facilities (Cascades of the Sierra/future Silverado Continuum of Care Facility)

#### **Site Characteristics**

The entire parcel is nearly flat with a slight slope from the northwest to the southeast with no steep slopes. The North Spanish Springs Flood Detention Facility Outlet Channel extends along the eastern boundary of the main parcel and Neighborhood Way extends along the western boundary of the site. Neighborhood Way is a two-lane arterial street with a median and turn lanes, existing landscaping, and sidewalks on both sides. An existing intersection along Neighborhood Way will provide access to the site.

Although some of the site has been graded by past activities, the site is generally undisturbed and characterized by native vegetation consisting primarily of native shrubs, sagebrush, and grasses. Several utilities, drainage, and trail easements are located throughout the site (*Refer to Site Aerial in Section 3 of this submittal packet*).

#### Proposed Use/CC&R's

By definition, the continuum of care facilities are commercial operations. To ensure the project operates in a commercial capacity in perpetuity, the applicant will prepare CC&R's that address commercial operations. The applicant is providing sample language that would be incorporated into the project CC&R's. The applicant is proposing that Washoe County would review and approve the final CC&R language prior to the first final map recording. Below is the sample language.

#### 1) Homeowners Association (HOA) Related Services.

"In order to conform with the Washoe County requirements for Continuum of Care Cottage Community to meet the needs of older adults to maintain independence and to enhance the quality of their lives through the provision of direct services, the HOA shall provide and operate senior programs for all residences, including offsite transportation to local medical appointments and onsite health and wellness programing. In addition, the HOA shall provide all residents with an on-call a pendent or other transmitting device for ongoing medical monitoring or emergency responders contacts, and dedicated space for onsite defibrillator equipment."

#### 2) HOA Funding Requirements.

"The Board shall have the power and the duty to levy Regular Assessments and Special Assessments sufficient to meet the Association's obligations under the Governing Documents and applicable law. The Board's duty to levy Assessments pursuant to this Section shall include the obligation to determine and fully fund the estimated total annual contribution to the Association's annual operating funds necessary to perform the services described in Section 1, above. In addition, the Board shall fully fund the estimated total annual contribution to the Association's reserve funds that is necessary to defray the cost to repair, replace, restore, or maintain the components identified in the reserve study prepared pursuant to Section

1 above, during and at the end of their useful life, after subtracting total reserve funds as of the date of the study"

#### 3) County Enforcement Rights / County as Third Party Beneficiary

"The County is hereby named a third party beneficiary with the right, but not the obligation, to enforce the Association's Governing Document obligations, including, but not limited to, the right to enforce the Association's performance of all County-mandated services required by Section 1, above. All costs incurred by the County in connection with performing corrective actions or providing the required services shall be paid for by the Association, out of Association Regular Assessment funds as provided in this Declaration, and if requested by the County to do so, the Association shall levy Special Assessments against all Lots as an emergency assessment pursuant to Section 1, above. This right of enforcement is in addition to all other legal and equitable remedies available to the County, including the right to place a lien on the properties and to refuse to issue building permits for any building or structure which is not in compliance with all applicable State and local laws, regulations and permits. If the County brings an action or proceeding to enforce the foregoing rights, the prevailing party in each such action or proceeding shall be entitled to receive from the losing party its costs and expenses, including reasonable attorneys' fees which shall be payable whether or not such action or proceeding is prosecuted to judgment."

4١	County Amendment Protection Rights.
7)	(c) Additional Approvals by County for Amendments to Particular Provisions. The provisions of Sections
	, this subsection(c), and, and any other provision of this Declaration which relates
	to a County condition of approval for the Subdivision Map, may not be amended without the prior
	written consent of the County, with a copy of such written approval attached to the recorded
	amendment.

#### **Project Request**

The current request is to develop a 136 unit common open space commercial subdivision with a Special Use Permit (SUP) to develop a Continuum of Care cottage community as defined in Washoe County Development Code and permitted within the Neighborhood Commercial (NC) zoning designation in the Spanish Springs Area Plan. Consistent with common open space requirements, the proposed project includes a mix of unit sizes with approximately 10.42 acres (48%) of common open space maintained by the Homeowners Association (HOA), or equivalent. As a commercial common open space development, each "lot" is intended to accommodate a home so a variation of setbacks to allow zero foot setbacks on all sides is also requested. This concept makes the homeowner responsible for only the building with all yards and amenities owned and maintained by the commercial entity.

In addition to the commercial subdivision element, a special use permit is needed to determine the number of units and parking requirements for the project. It is worth noting that the project is comparable to the density and intensity of the adjacent COC facilities and conforms with the current zoning designations.

The request is summarized as follows:

A Commercial Subdivision Map and Special Use Permit to permit development of a 136-unit continuum
of care cottage community on 21.56 ± acres through the Common Open Space Development Standards.

#### Common Open Space Commercial Subdivision Details

This continuum of care community is specifically designed for seniors who want to live in a place that feels like a traditional neighborhood but with on-site support that changes as individual needs change while also offering financial sustainability.

In order to achieve a more traditional neighborhood environment, the project proposes a mix of lot/unit sizes with reduced setbacks, a Village Center/recreation area, private streets, and common open space throughout. In addition, in accordance with Washoe County Code requirements, this neighborhood will also offer 24 hour medical response as noted previously through the CC&R discussion.

Through the Common Open Space Commercial Subdivision standards, lot sizes and lot widths can be modified. As designed, and previously discussed, the proposed project is designed in a traditional sense but with the home being the lot, which limits the homeowner's responsibility to the structure while the Homeowners Association (HOA), or equivalent, is responsible for, and maintains, all of the common areas and common amenities.

In accordance with Article 110.406.05 of the Washoe County Development Code, and through the Common Open Space Development, the applicant is requesting a reduction to the front, side, and rear yard setbacks. The standard minimum yard setbacks associated with NC are reflective of the standard minimum lot size of 10,000 square feet. Through this Commercial Common Open Space subdivision, the setbacks would be more reflective of a smaller lot design such as the High Density Suburban (HDS) zoning lot size standards.

Minimum lot sizes, widths and setbacks for the subdivision are proposed as follows:

Minimum Lot Size: 2,004± square feet

Minimum Lot Width: 40 feet

#### Minimum Setbacks (as measured from primary parcel boundary):

Front Yard Setback = 10 feet Side Yard Setback = 5 feet Rear Yard Setback = 10 feet

\*\*It should be noted that the project is designed so that each home is considered the "lot", therefore, individual lot setbacks are proposed to be 0 foot on all sides with a minimum of 10 feet between structures. Additionally, all homes will be setback 20 feet from the curb to the garage door to accommodate a 2 car driveway.

#### **House Design**

As designed, the proposed cottage community will include units ranging in size offering 2 bedroom units and 2 bedroom plus den units. Each unit will include a 2 car garage. The units are designed to be single story with a warm and inviting cottage/ranch appearance with tile roof, lap and/or board and batten siding, stucco and covered patio's (refer to Colored Building Elevations in Section 3 of this submittal packet).

All units will be designed with livable design features incorporated. These include by example zero threshold (no step) unit entries, wider halls and doorways to accommodate those with walkers and wheelchairs, cabinetry that can be easily modified to accommodate disabilities, appropriate backing and supports for support bars in bathrooms, zero step showers with seats and dual controls, motion censored lighting in appropriate locations, as well as fire sprinklers in all units.

#### **Common Areas**

A total of 15.09 acres (70%) of the project will be dedicated to common area/landscape. This includes approximately 10.42 acres dedicated to common open space and the Village Center/Recreation Area, plus another 4.67 acres for private streets and parking.

The Village Center/Recreation Area is centrally located on the site and will include both internal and external recreational elements. As designed, the proposed Village Center is approximately 3,500 square feet in size and will be single story with architecture to compliment the proposed units (refer to Colored Building Elevations in Section 3 of this submittal packet).

Inside the Village Center, residents will have access to a centralized gathering area for residents, a fitness center, a dog wash, a Bistro, activities room, common gathering area and the HOA office for the community. Outside of the Village Center, the recreation area will offer a mix of community amenities including, but not limited to, a swimming pool, bocce ball, and lawn games all accessible via the fully landscaped community wide paseo trail system that connects the cottages to and from the Village Center. All areas dedicated to common area will be maintained by the HOA or equivalent (Refer to Preliminary Landscaping Plan in Section 3 and the Map Pocket of this submittal packet).

Primary pedestrian access will include paseo paths located within open space/common areas so residents have access/circulation throughout the project. There will be services available at the Village Center that will provide motorized transportation to and from the Village Center to a residents' private unit should that be requested.

#### Landscaping

In accordance with Section 110.412.35 all yards that adjoin a public street include a minimum of one tree for every fifty linear feet of street frontage. Although all streets within the project are planned to be private, the project includes one tree every 50 linear feet (Refer to Preliminary Landscaping Plan in Section 3 and the Map Pocket of this submittal packet).

The portion of the site along Neighborhood Way is currently landscaped and will remain as-is. All of the areas outside of the buildings and roadway infrastructure will be formally landscaped using trees, shrubs (including the use of climatic adaptive landscaping), decorative rock and artificial turf to conserve water.

#### Parking

Washoe County Development Code does not specify parking requirement for Continuum of Care uses. However, according to Washoe County Code, parking will be determined through the special use permit process.

Each unit will provide a minimum of 4 parking spaces (2 garage/2 driveway). Additional off-street parking for overflow and guests is located throughout the development including a majority around the Village Center. Specifically, the project will include a minimum of 90 overflow/guest spaces strategically located throughout the project. In addition to the parking, transportation services will be offered to all residents. No on-street parking is allowed within the project site.

#### **Traffic and Circulation**

A traffic study was prepared by Soleagui Engineers based on the project layout. Based on the proposed use and anticipated resident within the project, the study estimated that the project would generate 301 Average Daily Trips (ADT), with 10 AM peak hour trips and 27 PM peak hour trips. Minimal improvements including signage and striping are recommended as part of the traffic analysis but given the type of use planned and the typical driving patterns associated with typical residents at these facilities, overall, the project is not anticipated to significantly impact the traffic in the area. A copy of the full Traffic Report prepared by Solaegui Engineers is provided in Section 4 of this application for reference.

As designed, the project includes three access points from Neighborhood Way, all of which will be gated and private. The main entrance to the community is centrally located along Neighborhood Way in the middle of the primary parcel, providing full access to the site for residents, guests, and deliveries. Improvements to the main entrance will include two drive aisles and a landscaped median in the middle. The intersection will be striped with stop sign control. The other two access points (one to the north and one to the south along Neighborhood Way) will be gated emergency access limited to ingress and egress during an emergency. These three access points will provide plenty of ingress and egress for the limited traffic anticipated on the site and provide for optimal on site circulation.

The streets from the main access narrow to a 24-foot-wide local street that will be privately owned/maintained. No on-street parking will be allowed. Pedestrian access will include paseo paths located within open space/common areas so residents have an inviting landscape paseo to walk dogs, visit friends and enjoy all the community amenities. There will be services available at the Village Center that will provide motorized transportation to and from the Village Center to a residents' private unit should that be requested. (Refer to Tentative Map Plan Set in Section 3 and Map Pocket of this submittal packet).

#### Grading

This site is relatively flat and therefore minimal grading to construct the project will be required. The site is anticipated to import approximately 55,000 cubic yards of fill. Disturbed areas will be landscaped and in accordance with Washoe County requirements. (Refer to Tentative Map Plan Set in Map Pocket of this submittal packet).

#### Drainage

The parcel is currently undeveloped land and drains south and east to the existing channels south and east of the site. The east channel flows south toward Eagle Canyon Drive and ultimately to the Sparks Regional Detention Basin, the North Truckee Drain and to the Truckee River. There is also an existing concrete lined channel west of Neighborhood Way. A storm drain system picks up flows from Neighborhood Way west of the site and discharges to the existing ditch which runs south along Neighborhood Way to a box culvert south of the site where it is then discharged to a drainage channel south of the project site. This channel flows east and discharges to the existing channel east of the site.

The proposed drainage system for the project site consists of sheet flow from the buildings and streets into a system of gutters with which storm water is conveyed into drop inlets and underground storm drainpipes. Onsite flows will be directed to the existing channel east of the site or to the existing concrete v-ditch along Neighborhood Way (small portions of some of the western access roads) which drains to existing storm drain that outlets to the concrete lined channel west of Neighborhood Way and flows south.

The existing drainageways have capacity to handle the proposed flows with no negative impacts to adjacent or downstream properties as a result of the proposed development during the 5-year and 100-year storms

(Refer to Tentative Map Plan set and Preliminary Hydrology Letter in Section 4 and Map Pocket of this submittal packet).

#### Water, Sewer, and Utilities

Public utilities currently exist within the project site, currently serving the surrounding communities. The utilities are located within Neighborhood Way and are adequately sized to accommodate the estimated generation associated with this request based on the density and intensity.

The site will be served by Truckee Meadows Water Authority (TMWA) and is within the TMWA service area.

Sewer service is anticipated to be provided by Washoe County with treatment at the Truckee Meadow Water Reclamation Facility (TMWRF). The proposed project is anticipated to generate approximately 24,660 gallons per day at peak flow. As noted previously, this site was originally planned for small scale commercial or medical office buildings so pipes were stubbed to the site at each existing intersection designed to accommodate a higher sewer flow rate. Based on the larger anticipated sewer flows, there should be sufficient capacity to serve the project. A preliminary sanitary sewer report is provided in Section 4 of this application packet.

#### **Public Services**

Fire service is currently provided by Truckee Meadows Fire District. The closest fire station is Truckee Meadows Fire Station 46 located approximately 1 mile to the west at the intersection of Rockwell Boulevard and La Posada Drive. Washoe County Sheriff provide police.

#### **Development Statistics Summary**

The following is a summary of the development statistics of the site:

Total Site Area: 21.56± acres

Total Dwelling Units: 136 single family residences

8

Gross Density: 6.3 d.u./acre

Total Lot Area: 6.47± acres (30%±)

Total Right of Way Area:

4.67± acres (22%±)

Total Common Area/Open Space

10.42± acres (48%±)

### **Common Open Space Development Site Analysis**

Land Use: The site is currently undeveloped with a Master Plan designation of Commercial and Open Space and corresponding zoning designation of Neighborhood Commercial (NC) and Open Space (OS). The proposed land use is commercial subdivision to allow development of a continuum of care community, as allowed by the Spanish Springs Area Plan. Surrounding property designations are shown on the Zoning Map included in Section 3 of this application. The proposed project is compatible with the area, which includes an assisted living facility, as well as other recently approved continuum of care facilities.

Existing Structures: The subject site is currently undeveloped and does not include any structures with the exception of other than an open drainage ditch running along the eastern most boundary and landscaping, drainage and road improvements running along Neighborhood Way.

Existing Vegetation: The subject site consists primarily of native shrubs, sagebrush and desert grasses. Formal landscaping, including shrubs and trees are located within the project area along Neighborhood Way.

Topography: The project site is in a nearly flat area with gentle sloping from the north to south. The entire site is free of steep slopes with no slope over 15%.

Soil: The subject site is located within the northwestern portion of Spanish Springs. Soils associated with future development are generally native clay soils.

Natural Drainageways: There are no natural drainageways on or adjacent to the site.

Wetlands and Water Bodies: There are no wetlands on the site.

Flood Hazards: The entire site is located out of the FEMA mapped 100-year Floodplain. Any FEMA Flood zone designations are identified on the Tentative Map.

Seismic Hazards: There are no known seismic hazards on or near the subject site.

Avalanche Hazards: There are no known avalanche or other landslide hazards on the site.

Sensitive Habitat and Migration Routes: There are no sensitive habitats or migrations routes on the site.

Easements: Refer to Tentative Map sheets for easements.

Utilities: Refer to Tentative Map Utility Sheets.

Appropriate Access Points: The subject site is accessed from Neighborhood Way via existing intersections. These intersections will be extended from Neighborhood Way and will provide circulation throughout the site. All proposed streets will be private and designed in accordance with Washoe County Code.

#### **Findings**

Prior to approving an application for a development, the Planning Commission, Board of Adjustment or a hearing examiner shall find that all of the following are true:

#### **TENTATIVE MAP FINDINGS**

(a) Plan Consistency. That the proposed map is consistent with the Master Plan and any specific plan;

<u>Response:</u> The proposed map is based on the Continuum of Care use which is an allowed use through the approval of a special use permit that allows the variation of standards including setbacks within the Neighborhood Commercial (NC) zoning designation. This designation is consistent with the current Master Plan designation of Commercial and Open Space and meets all applicable goals and policies of the Washoe County Master Plan and the Spanish Springs Area Plan.

(b) Design or Improvement. That the design or improvement of the proposed subdivision is consistent with the Master Plan and any specific plan;

<u>Response:</u> The proposed common open space commercial subdivision is consistent with the Master Plan and is particularly consistent with the Spanish Springs Area Plan as related to the Spanish Springs Suburban Character Management Area goals and policies including dwelling units per acre, transportation, scenic/recreational/cultural resources, and natural resources.

(c) Type of Development. That the site is physically suited for the type of development proposed;

<u>Response:</u> The project site is generally flat gently sloping from northwest to southeast making it physically suited for the proposed project. Existing infrastructure is surrounding the project site and the number of dwellings and configuration of the proposed subdivision is consistent with the requirements of the master plan.

(d) Availability of Services. That the subdivision will meet the requirements of Article 702, Adequate Public Facilities Management System;

Response: In accordance with Article 702, the proposed project has been designed to ensure that public infrastructure necessary to support the project is available concurrently with the impacts of the project without causing the level of service to fall below adopted standards. The site has been anticipated for development for many years and with the construction of Neighborhood Way utilities sufficient to support the proposed development are available.

(e) Fish and Wildlife. That neither the design of the subdivision nor any proposed improvements is likely to cause substantial environmental damage, or substantial and avoidable injury to any endangered plant, wildlife or their habitat;

Response: The proposed subdivision is not located within an environmentally sensitive location. In fact, the site is surrounded by development and has been anticipated for infill development for several years. The improvements associated with the project are not anticipated to cause substantial environmental damage or harm to endangered plants or wildlife habitats.

(f) Public Health. That the design of the subdivision or type of improvement is not likely to cause significant public health problems;

<u>Response</u>: The proposed continuum of care facility has been designed in accordance with environmental and health laws and regulations concerning water and air pollution, solid waste disposal, water service and sewer service. All necessary infrastructure is currently located adjacent to the project. All new infrastructure required to serve the proposed project will be constructed to service all proposed development. Refer to attached engineering reports in Section 4 of this application packet for detailed information.

(g) Easements. That the design of the subdivision or the type of improvements will not conflict with easements acquired by the public at large for access through, or use of property within, the proposed subdivision;

Response: There are easements identified along Neighborhood Way and on the property that have been incorporated into the proposed project. Specifically, as designed the proposed project does not conflict with the easements through or adjacent to the property.

(h) Access. That the design of the subdivision provides any necessary access to surrounding, adjacent land and provides appropriate secondary access for emergency vehicles;

Response: The project includes three access points from Neighborhood Way, all of which will be gated. The main entrance to the community is centrally located in the middle of the primary parcel, providing full access to the site for residents, guests, and deliveries. Improvements to the main entrance will include striping and a stop sign control in accordance with the recommendations in the Traffic Report included in this submittal packet. The other two access points (one to the north and one to the south) will be used as gated emergency access that will only allow ingress and egress during an emergency. These three access points will provide plenty of ingress and egress for the limited traffic anticipated on the site and provide for optimal on site circulation.

Access roads within the project will be 24 feet from back face of curb to back face of curb to accommodate two travel lanes with rolled curb and gutter. All roads will be privately owned/maintained. Although there will be no parking along the roads, additional off-street parking for overflow and guests is located throughout the development including a majority around the Village Center. Pedestrian access will include paseo paths located within open space/common areas so residents have access/circulation throughout the project. There will be services available at the Village Center that will provide motorized transportation to and from the Village Center to a residents' private unit should that be requested.

(i) Dedications. That any land or improvements to be dedicated to the County is consistent with the Master Plan; and

<u>Response:</u> All common open space and/or roads will be maintained by the HOA, or equivalent, as noted previously throughout this document.

(j) Energy. That the design of the subdivision provides, to the extent feasible, for future passive or natural heating or cooling opportunities in the subdivision.

Response: Floor plans and building elevations have been included with this submittal and will be similar to the approved development west of Neighborhood Way. Methods such as landscaping with artificial turf,

#### **Common Open Space Commercial Subdivision & Special Use Permit**

trees and shrubs, that are included in the design as part of this submittal will help with passive and natural cooling. Furthermore, it is anticipated that new high-performance building and material technologies will be used for energy efficiency.

#### **Special Use Permit Findings**

(a) Consistency. The proposed use is consistent with the action programs, policies, standards and maps of the Master Plan and the applicable area plan;

<u>Response:</u> The proposed project is consistent with the current Master Plan designation of Commercial and meets all applicable goals and policies of the Washoe County Master Plan and the Spanish Springs Area Plan.

(b) Improvements. Adequate utilities, roadway improvements, sanitation, water supply, drainage, and other necessary facilities have been provided, the proposed improvements are properly related to existing and proposed roadways, and an adequate public facilities determination has been made in accordance with Division Seven;

Response: For the Neighborhood Commercial zoning designation, the intensity and density of this project are much lower than other uses permitted within this designation. Since this site was originally intended as a commercial development, Neighborhood Way, as well as the utilities located within it, were designed to accommodate development with more density and intensity than the one proposed. Therefore, all of the surrounding infrastructure and public facilities are adequately sized to handle the projected level of service that is generated from this request.

(c) Site Suitability. The site is physically suitable for the type of development and for the intensity of development;

Response: As stated earlier the intensity of the proposed development is relatively low for the NC zoning designation and is not anticipated to be a large traffic generator. According to Washoe County Code, the residential density for the continuum care facility is determined during the special use permitting process. The proposed project includes 136 units which would be 6.3 dwelling units per acre (du/ac). Based on reasons previously stated, the site is physically suitable for the proposed project.

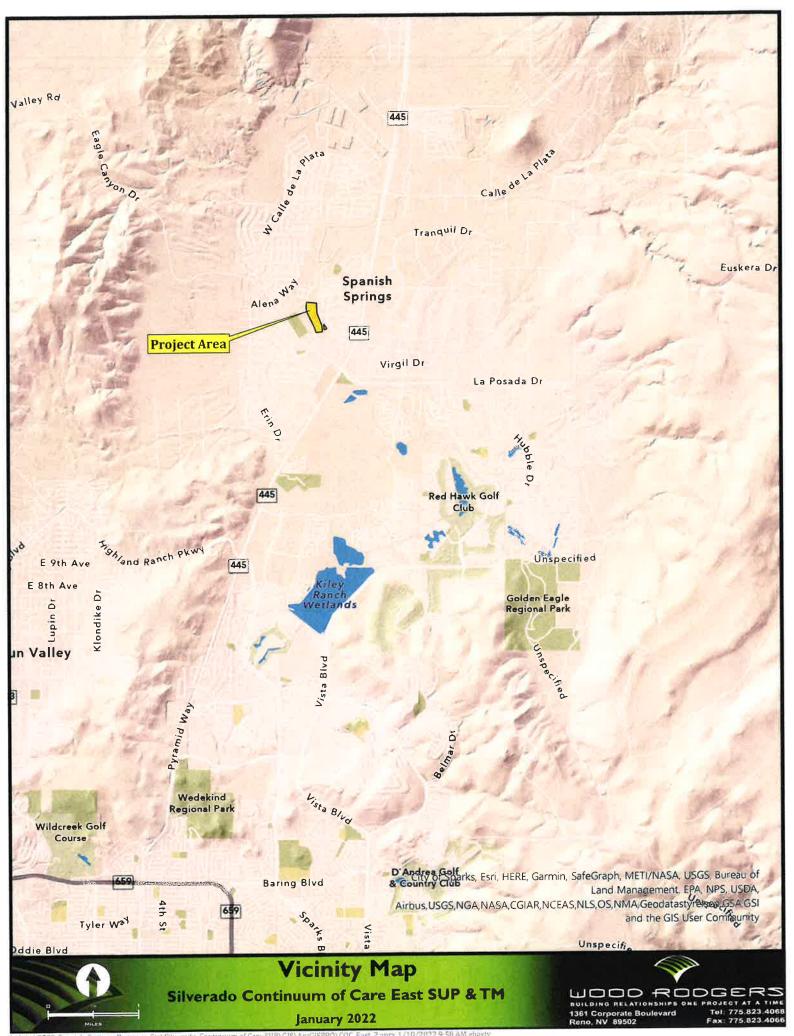
(d) Issuance Not Detrimental. Issuance of the permit will not be significantly detrimental to the public health, safety or welfare; injurious to the property or improvements of adjacent properties; or detrimental to the character of the surrounding area; and

<u>Response</u>: The project will not be detrimental to public health; in fact, the project will have a positive impact on the public health as it will provide a need to the housing issue facing many seniors in the region. Furthermore, this will complement the assisted living facility to the south while still providing a use that is similar to the single family residential properties to the north.

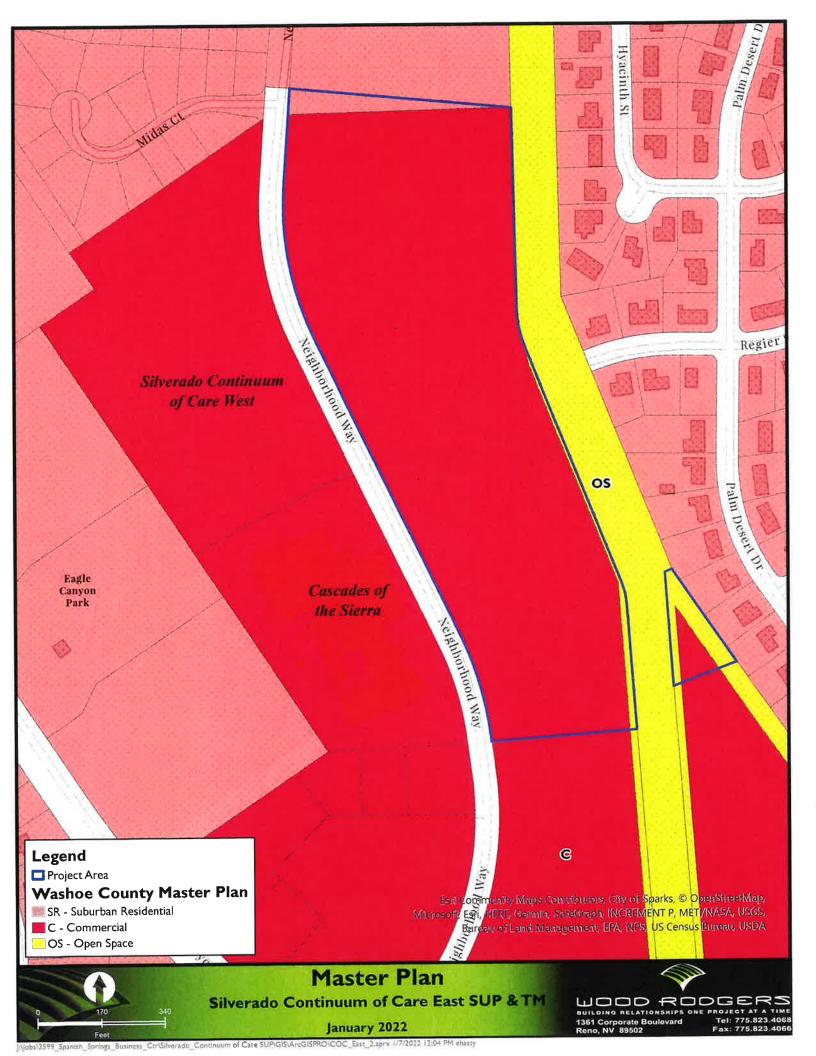
(e) Effect on a Military Installation. Issuance of the permit will not have a detrimental effect on the location, purpose or mission of the military installation.

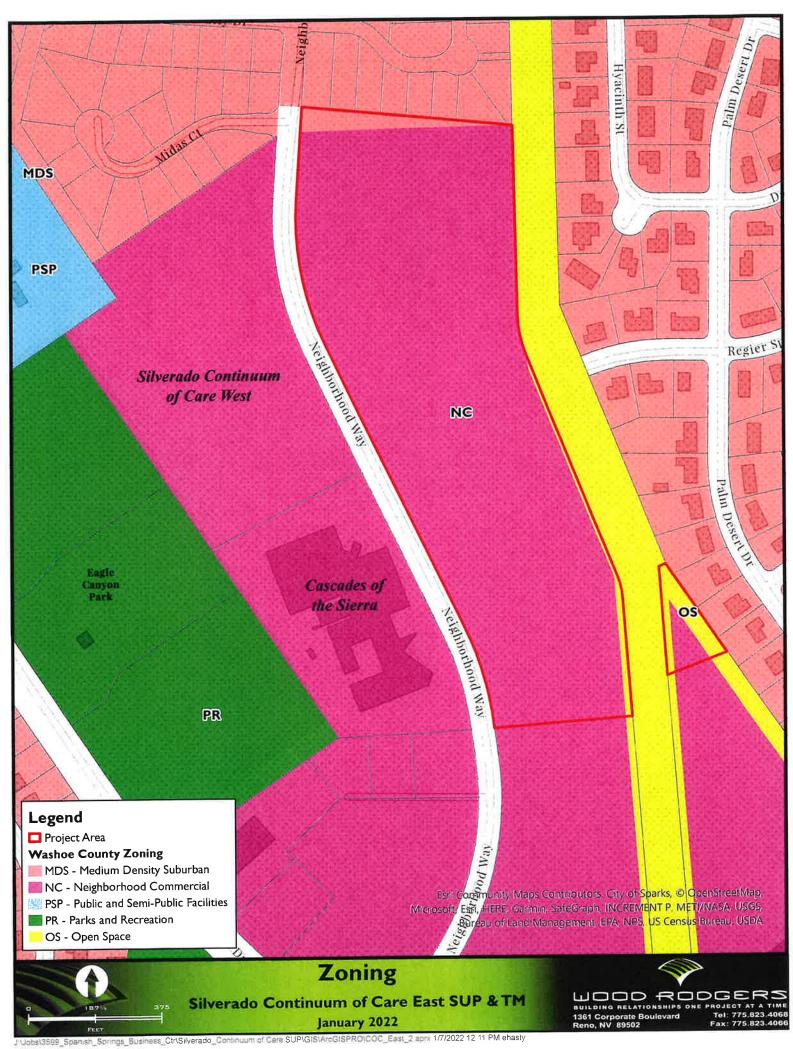
Response: Not applicable to the project.

## Section 3









## SILVERADO CONTINUUM OF CARE COTTAGES

### SINGLE FAMILY HOMES + CLUBHOUSE





COUNTY OF WASHOE, NEVADA 09.29.2021

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A3.5	PLAN 2   SCHEMATIC ELEVATIONS   RUSTIC RANCH
A3.6	PLAN 2   SCHEMATIC PERSPECTIVE   TRADITIONAL RANCH
A3.7	PLAN 2   SCHEMATIC ELEVATIONS   TRADITIONAL RANCH
A4.1	PLAN 3   SCHEMATIC FLOOR PLAN   1,463 SF
A4.2	PLAN 3   SCHEMATIC PERSPECTIVE   CONTEMPORARY RANCH
A4.3	PLAN 3   SCHEMATIC ELEVATIONS   CONTEMPORARY RANCH
A4.4	PLAN 3   SCHEMATIC PERSPECTIVE   RUSTIC RANCH
A4.5	PLAN 3   SCHEMATIC ELEVATIONS   RUSTIC RANCH
A4.6	PLAN 3   SCHEMATIC PERSPECTIVE   TRADITIONAL RANCH
A4.7	PLAN 3   SCHEMATIC ELEVATIONS   TRADITIONAL RANCH
A5.1	PLAN 4   SCHEMATIC FLOOR PLAN   1,718 SF
A5.2	PLAN 4   SCHEMATIC PERSPECTIVE   CONTEMPORARY RANCH
A5.3	PLAN 4   SCHEMATIC ELEVATIONS   CONTEMPORARY RANCH
A5.4	PLAN 4   SCHEMATIC PERSPECTIVE   RUSTIC RANCH
A5,5	PLAN 4   SCHEMATIC ELEVATIONS   RUSTIC RANCH
A5.6	PLAN 4   SCHEMATIC PERSPECTIVE   TRADITIONAL RANCH
A5.7	PLAN 4   SCHEMATIC ELEVATIONS   TRADITIONAL RANCH
A6.1	CLUBHOUSE   SCHEMATIC FLOOR PLAN   2,994 SF
A6.2	CLUBHOUSE   SCHEMATIC ELEVATIONS   FRONT + REAR
A6.3	CLUBHOUSE   SCHEMATIC ELEVATIONS   RIGHT + LEFT





# PROGRAM

STORIES	( 00	1.
BEDROOMS	100	2
BATHROOMS		2
GARAGE		2 CAF
KITCHEN / GREAT ROOM		
COVERED PATIO		
COVERED BORCH		

# AREA CALCS (Building Total)

LIVING (Conditioned) = 1,273 SF GARAGE = 433 SF PORCH / PATIO = 151 SF

PLAN 1 | SCHEMATIC FLOOR PLAN | 1,273 SF























# TOP OF RIGGE REAR ELEVATION LEFT ELEVATION

# **SHEET NOTES**

# PLAN #1

SQUARE FOOTAGE 1,273 SF STORIES BEDROOMS BATHROOMS

# MATERIALS

TILE ROOF

STUCCO

SIDING + TRIM BOARDS BOARD | BAFFEN | 16\* O.C.

BRICK VENEER

BEAM (5) DECORATIVE





COUNTY OF WASHOE, NEVADA





















# PLAN #1

SQUARE FOOTAGE STORIES BEDROOMS BATHROOMS 2 2

## MATERIALS

- TILE ROOF
- STUCCO SMOOTH FINISH
- SIDING + TRIM BOARDS HORIZONTAL LAP | 6° EXPOSURE
- STONE VENEER
- BRACE DECORATIVE
- SHUTTERS DECORATIVE



(3)





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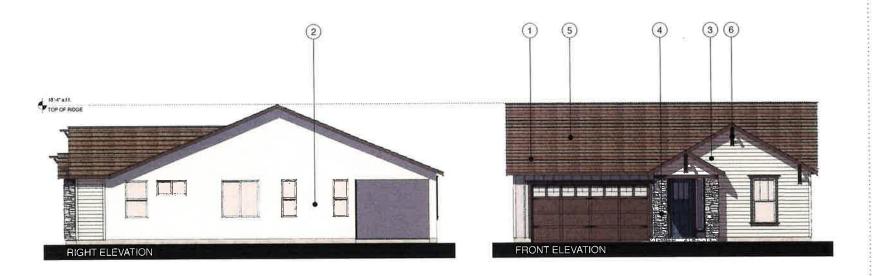












# te d'att. TOP OF RIDGE REAR ELEVATION LEFT ELEVATION

# **SHEET NOTES**

## PLAN #1

BEDROOMS BATHROOMS

# MATERIALS

TILE ROOF

STUCCO

SIDING + TRIM BOARDS HORIZONTAL LAP | 6" EXPOSURE

SIDING + TRIM BOARDS BOARD + BATTEN | 16° O.C.

STONE VENEER

BRACE (f)



19 29 2021 | PROGRESSET

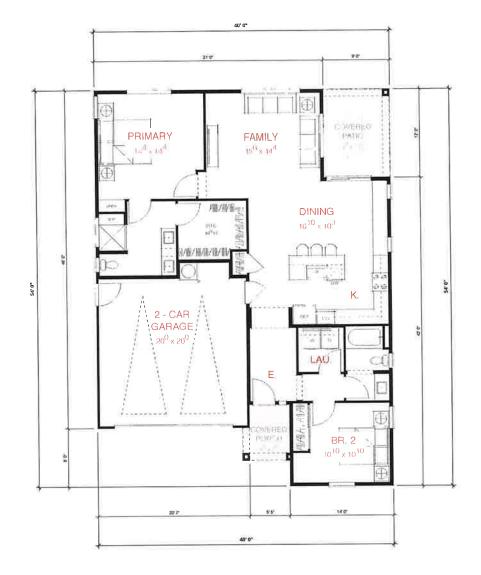
PLAN 1 | SCHEMATIC ELEVATIONS | TRADITIONAL RANCH SILVERADO CONTINUUM OF CARE COTTAGES

COUNTY OF WASHOE, NEVADA





DOMERN MINE OF LAND



# PROGRAM

STORIES	=	1	
BEDROOMS	=	2	
BATHROOMS	=	2	
GARAGE	=	2	CAR
KITCHEN / FAMILY + DINING	ROOM	V	
COVERED PATIO			
COVERED BOSCH			

## AREA CALCS (Bullding Total)

LIVING (Conditioned)	=	1,400 9
GARAGE	=	427 SF
DODCH / DATIO	=	154 SE

PLAN 2 | SCHEMATIC FLOOR PLAN | 1,400 SF















PLAN 2 | SCHEMATIC PERSPECTIVE | CONTEMPORARY RANCH
SILVERADO CONTINUUM OF CARE COTTAGES



A3.2



## PLAN #2

SQUARE FOOTAGE BEDROOMS BATHROOMS

# MATERIALS

- TILE ROOF
- STUCCO SMOOTH FINISH
- SIDING + TRIM BOARDS BOARD + BATTEN | 16" O C.
- BRICK VENEER
- BEAM (5) DECORATIVE















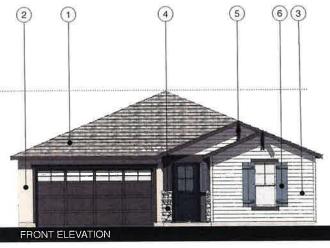


PLAN 2 | SCHEMATIC PERSPECTIVE | RUSTIC RANCH
SILVERADO CONTINUUM OF CARE COTTAGES



A3.4





# TOP OF ROGE LEFT ELEVATION



# PLAN 2 | SCHEMATIC ELEVATIONS | RUSTIC RANCH



SILVERADO CONTINUUM OF CARE COTTAGES







SQUARE FOOTAGE 1,400 SF STORIES BEDROOMS BATHROOMS

**SHEET NOTES** 

# MATERIALS

TILE ROOF

STUCCO

SIDING + TRIM BOARDS HORIZONIAL TAP | 6" EXPOSURE

STONE VENEER

BRACE DECONATIVE

SHUTTERS DECORATIVE





PLAN 2 | SCHEMATIC PERSPECTIVE | TRADITIONAL RANCH
SILVERADO CONTINUUM OF CARE COTTAGES





A3.6



# TOP OF RIDGE REAR ELEVATION LEFT ELEVATION

# **SHEET NOTES**

## PLAN #2

SQUARE FOOTAGE BEDROOMS BATHROOMS

# MATERIALS

TILE ROOF

SIDING + TRIM BOARDS HORIZONTAL LAP | 6" EXPOSURE

SIDING + TRIM BOARDS

STONE VENEER

BRACE 6



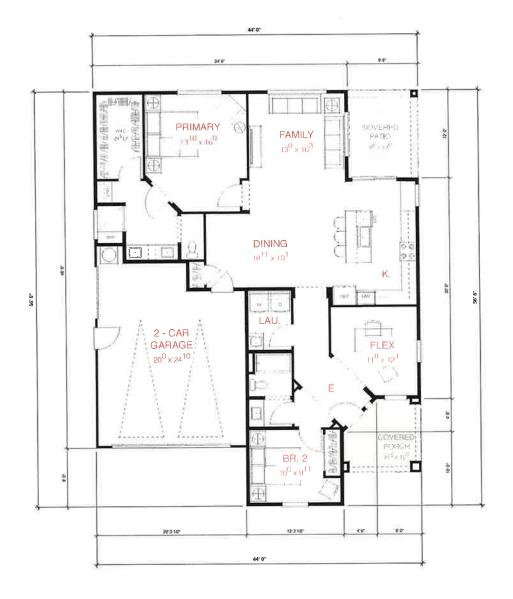
PLAN 2 | SCHEMATIC ELEVATIONS | TRADITIONAL RANCH SILVERADO CONTINUUM OF CARE COTTAGES

COUNTY OF WASHOE, NEVADA





DATE 197, 207



# **PROGRAM**

STORIES BEDROOMS BATHROOMS GARAGE KITCHEN / GREAT ROOM FLEX ROOM COVERED PATIO COVERED PORCH

# AREA CALCS (Building Total)

LIVING (Conditioned) 1,579 SF GARAGE PORCH / PATIO = 488 SF = 209 SF

PLAN 3 | SCHEMATIC FLOOR PLAN | 1,579 SF







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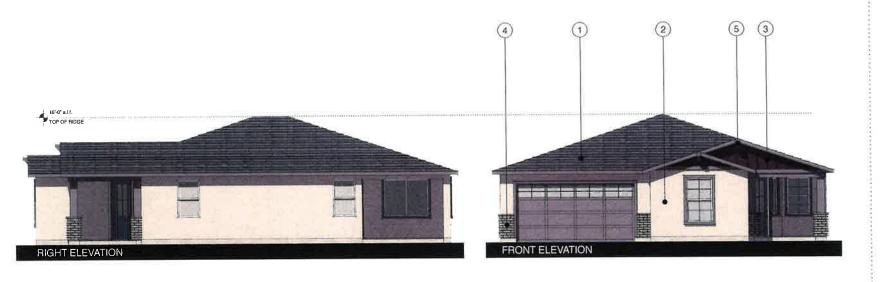












## PLAN #3

= 1,579 SF = 1 = 2 = 2 SQUARE FOOTAGE STORIES BEDROOMS BATHROOMS

# MATERIALS

TILE ROOF

STUCCO (5) SMOOTH FINISH

SIDING + TRIM BOARDS BOARD + BATTEN | 16° O.C

BRICK VENEER

BEAM (5) DECORATIVE





SHATRADO

COUNTY OF WASHOE, NEVADA



















# TOP OF RIDGE LEFT ELEVATION REAR ELEVATION

# **SHEET NOTES**

## PLAN #3

SQUARE FOOTAGE STORIES BEDROOMS BATHROOMS

## MATERIALS

- TILE ROOF
- STUCCO (2) SMODITI FINISH
- SIDING + TRIM BOARDS HORIZONTAL LAP | 6" EXPOSURE
- STONE VENEER
- BRACE DECORATIVE
- SHUTTERS 6 DECORATIVE



39 29 2021 | PROGRESS SET









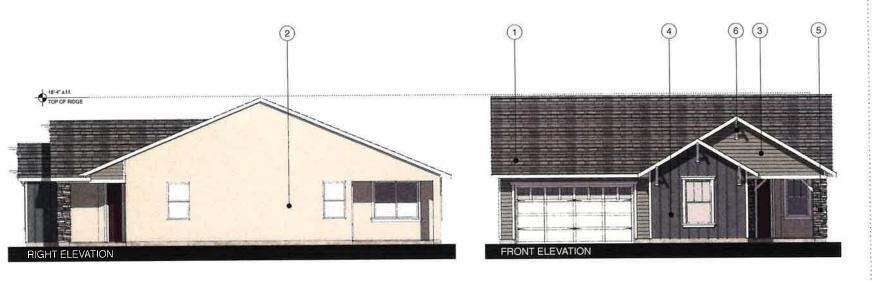












# TOP OF BOGE REAR ELEVATION LEFT ELEVATION

# **SHEET NOTES**

# PLAN #3

SQUARE FOOTAGE STORIES BEDROOMS BATHROOMS

## MATERIALS

- TILE ROOF
- STUCCO SMOOTH FINISH
- SIDING + TRIM BOARDS NORIZONTAL LAP | 6" EXPOSURE
- SIDING + TRIM BOARDS BOARD + BATTEN | 16" O.C.
- STONE VENEER (5)
- BRACE 6 DECORATIVE



COUNTY OF WASHDE, NEVADA

39 29 2021 | PROGRESS SET











# PROGRAM

STORIES	( a)	a.
BEDROOMS	(#)	2
BATHROOMS		2
GARAGE	1000	2 CAR
KITCHEN		
LIVING + DIN:NG ROOM		
FLEX ROOM		
COVERED PATIO		
COVERED PORCH		
	BEDROOMS BATHROOMS GARAGE KITCHEN LIVING + DINING ROOM FLEX ROOM COVERED PATIO	BEDROOMS BATHROOMS GARAGE KITCHEN LIVINIG + DININIG ROOM FLEX ROOM COVERED PATIO

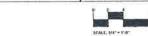
# AREA CALCS (Building Total)

LIVING (Conditioned) = 1,718 S GARAGE = 449 SF PORCH / PATIO = 162 SF

PLAN 4 | SCHEMATIC FLOOR PLAN | 1,718 SF



39/29/2021 | PROGRESS SET







BOA JOB DE MINES. THE



PLAN 4 | SCHEMATIC PERSPECTIVE | CONTEMPORARY RANCH
SILVERADO CONTINUUM OF CARE COTTAGES









# PLAN #4

SQUARE FOOTAGE STORIES BEDROOMS BATHROOMS

# MATERIALS

TILE ROOF

STUCCO (2)

SIDING + TRIM BOARDS BOARD | BATTEN | 16" O C

BRICK VENEER

(5) DECO SYLINE











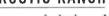


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39.29.2023 | PROGRESS ST



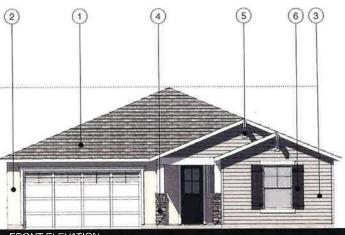














## PLAN #4

SQUARE FOOTAGE STORIES BEDROOMS BATHROOMS

# MATERIALS

TILE ROOF

STUCCO

SIDING + TRIM BOARDS HORIZONTAL LAP | 6" EXPOSURI

STONE VENEER

BRACE (5)

SHUTTERS DECORATIVE



COUNTY OF WASHOE, NEVADA











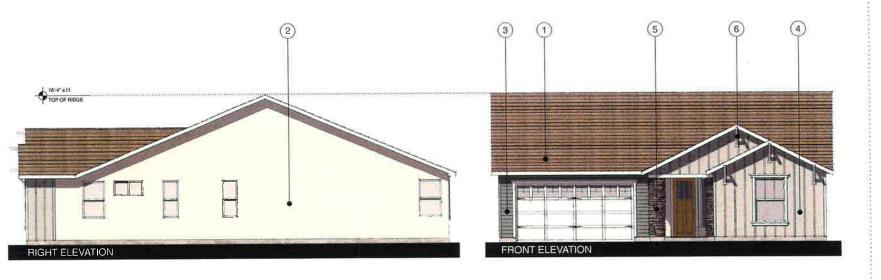












## PLAN #4

SQUARE FOOTAGE STORIES BEDROOMS BATHROOMS

# MATERIALS

- TILE ROOF
- STUCCO
- SIDING + TRIM BOARDS HORIZONTAL LAP | 6° FXPOSURE
- SIDING + TRIM BOARDS
- STONE VENEER
- BRACE 6



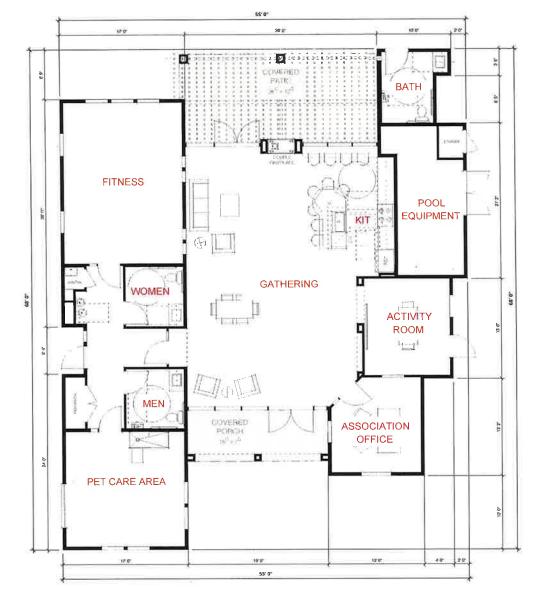
PLAN 4 | SCHEMATIC ELEVATIONS | TRADITIONAL RANCH
SILVERADO CONTINUUM OF CARE COTTAGES 94 29 2021 | PROGRESS SET

SHATRADO COUNTY OF WASHOE, NEVADA









# PROGRAM

GATHERING FITNESS DOG WASH + BIKE REPAIR MANAGER LEASING

# AREA CALCS (Building Total)

Conditioned Unconditioned = 293 SF = 448 SF PORCH / PATIO

CLUBHOUSE | SCHEMATIC FLOOR PLAN | 2,994 SF









Book Fight 1981 (co.)





**CLUBHOUSE PLAN** 

SQUARE FOOTAGE = 2,994 SF

## MATERIALS

TILE ROOF

METAL ROOF 2 STANDING SLAM

> SIDING + TRIM BOARDS I IORIZONTAL SIDING LAP | 6° EXPOSURT

SIDING + TRIM BOARDS BOARD | BAFIEN | 16° O'C

STONE VENEER (5)

6 BRACE DECORATIVE



29/29/2021 | PROGRESS SET







DATE OF \$1202





**CLUBHOUSE PLAN** 

SQUARE FOOTAGE 2,994 SF

## MATERIALS

- TILE ROOF
- METAL ROOF STANDING SEAM
  - SIDING + TRIM BOARDS HORIZONTAL SIDING LAP | 6" EXPOSURE
- SIDING + TRIM BOARDS BOARD + BATTEN | 16" D.C.
- STONE VENEER
- BRACE 6 DECORATIVE

CLUBHOUSE | SCHEMATIC ELEVATIONS | RIGHT +LEFT











# CONTINUUM OF CARE COTTAGE COMMUNITY

COMMON OPEN SPACE COMMERCIAL SUBDIVISION AND SPECIAL USE PERMIT

TITLE SHEET

## OWNER:

SPANISH SPRINGS ASSOCIATES 550 W. PLUMB LANE SUITE B#505 RENO, NV 89509 (775) 560-6922

# **DEVELOPER:**

SILVERADO HOMES NV, INC 5525 KIETZKE LANE, SUITE 102 RENO, NV 89511 (775) 333-5620

# BASIS OF BEARINGS

## BASIS OF ELEVATION

ADALE BE GENERAL BOULDE, EACH PROPERTIES AND PROPERTIES AND EACH SHOCK ALL BOOK SHOCK ALL BOOK SHOCK ALL BOOK SHOCK AND SHOCK





## SITE INFORMATION:

1DIA: RDADWAYS/PARKING/O HER - 4.6/AC

# **ENGINEERS STATEMENT:**

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1000 W CAMMIL SE 213601

# SHEET INDEX

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\$ 1 No.	3468	DEMMI-COSSORPION	
	T-I	IIT. E SHEFT	
2	_B-1	PREUMINARY STE/LOT AND BLOCK PLAN-	
3	LB-2	AND SOMEON STREET	
4.0	<b>C</b> -1	PR-LIMINARY GRADING PLAN	
	G-2	PALIDIANARY GRADING PLAN-	
6	1	PREJIMINARY STUTY PLAN	
7	L-2	PREUMNARY UTLITY PLAN	
8	CS-I	PRELIMINARY SECTIONS/DETAILS	
9	13-3	PRO IMINARY LOTTING LINE TABLES	
10	15-1	PEFLIMINARY LANDSCAPE PLAN	
11	152	PREDICIARY LANCISCAPE PLANS	

CONTINUUM OF CARE COTTAGE COMMUNITY

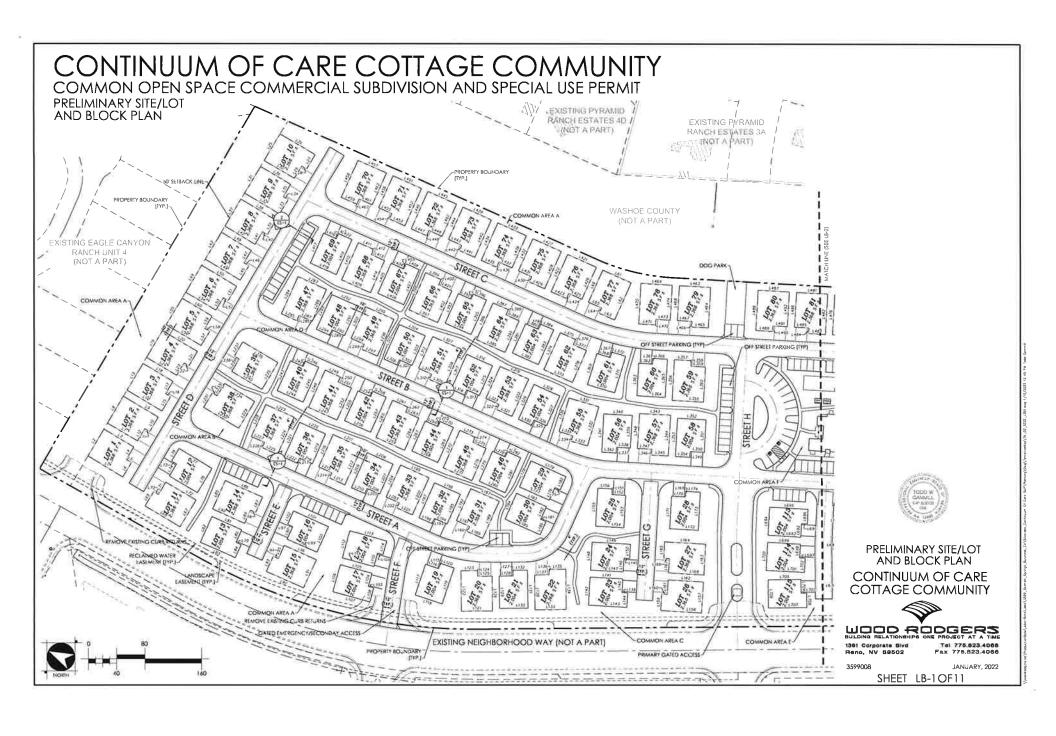


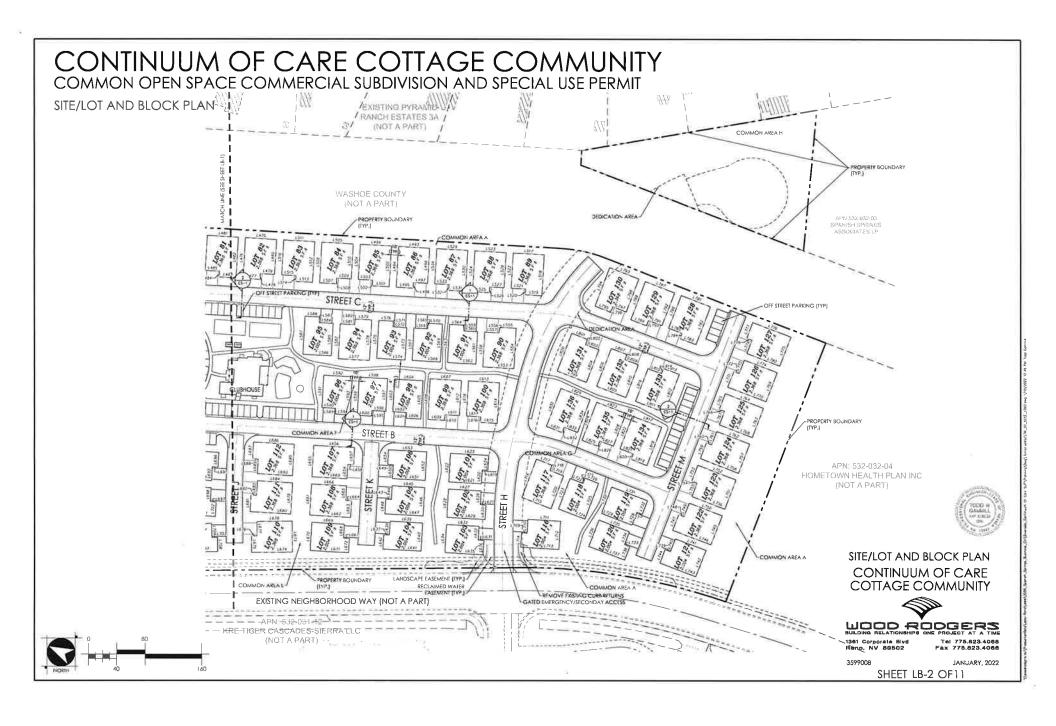
1361 Corporate Blvd Reno, NV 88502

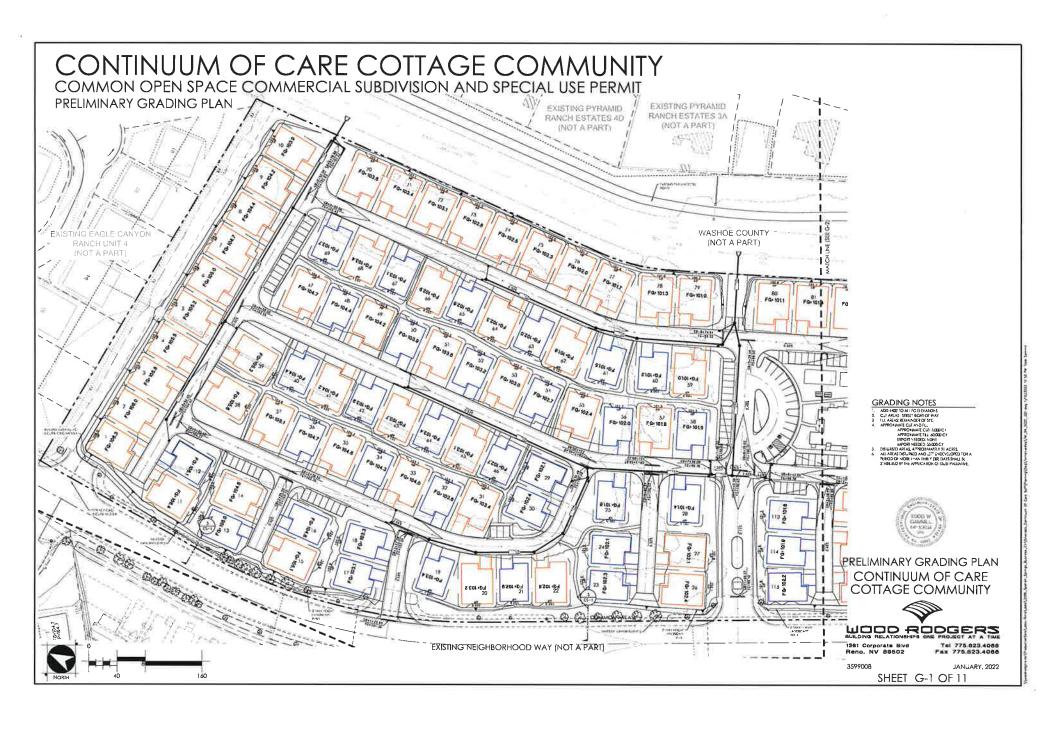
Tel 775.823.4068 Fax 775.823.4066

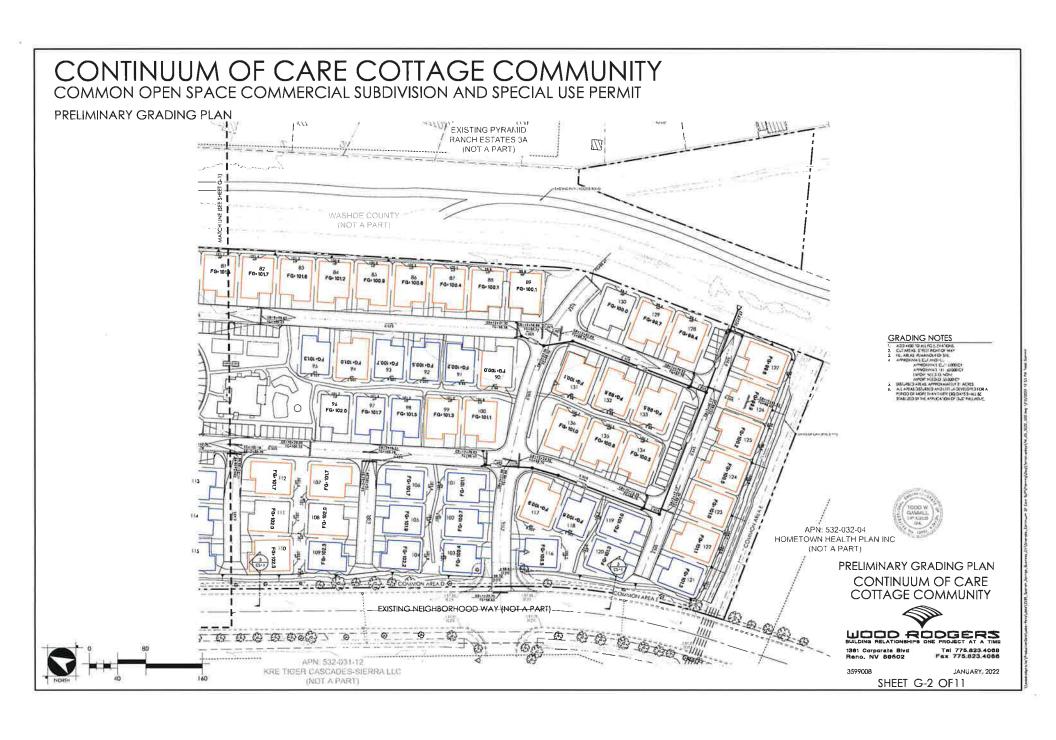
JANUARY, 2022

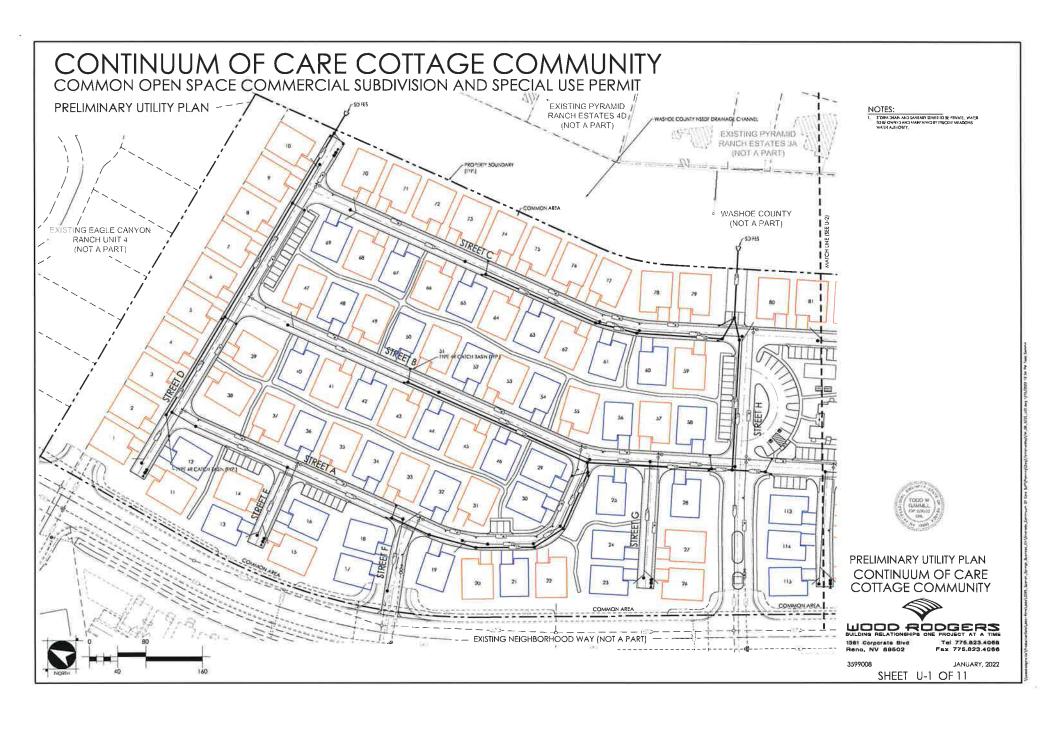
SHEET T-1 OF11

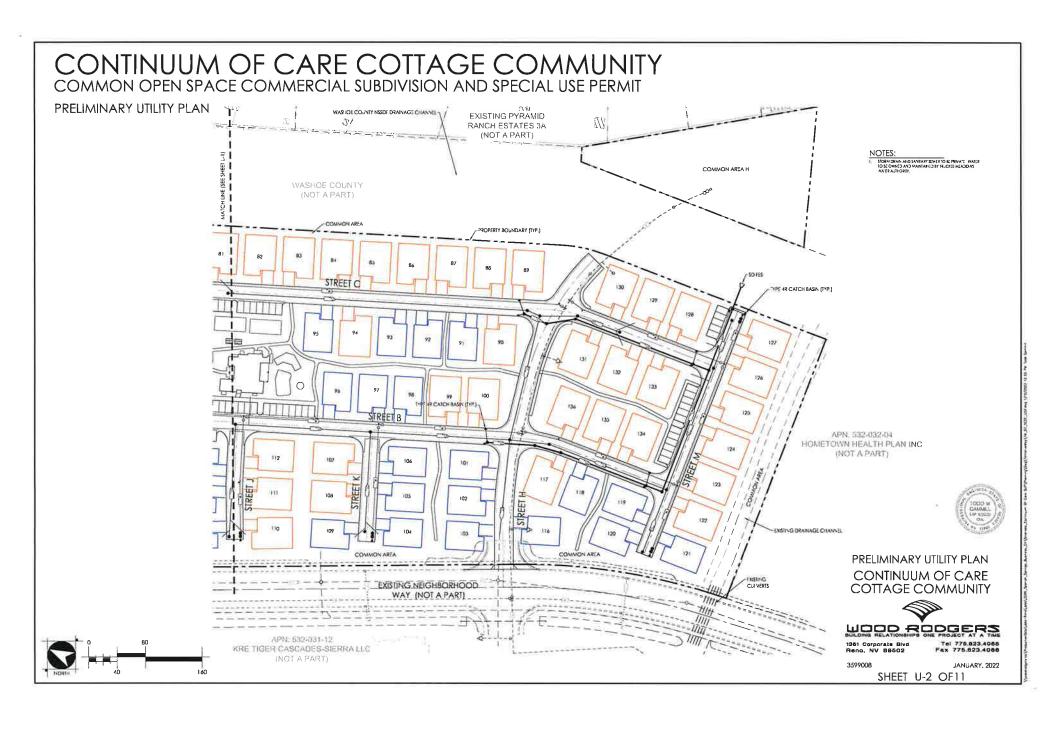






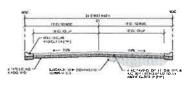


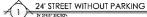


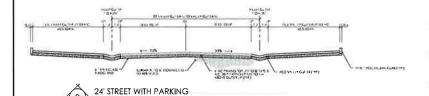


## CONTINUUM OF CARE COTTAGE COMMUNITY COMMON OPEN SPACE COMMERCIAL SUBDIVISION AND SPECIAL USE PERMIT

PRELIMINARY SECTIONS/DETAILS

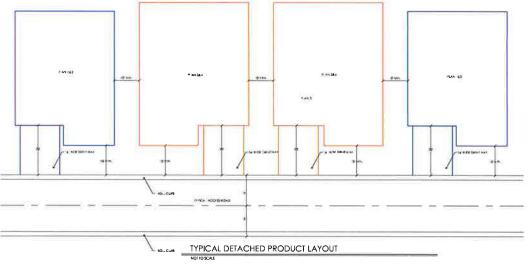














PRELIMINARY SECTIONS/DETAILS CONTINUUM OF CARE COTTAGE COMMUNITY



Tel 775,823,4068 Fax 775,823,4066

3599008

JANUARY, 2022

SHEET CS-1 OF 11

### CONTINUUM OF CARE COTTAGE COMMUNITY

#### COMMON OPEN SPACE COMMERCIAL SUBDIVISION AND SPECIAL USE PERMIT

SITE/LOT AND BLOCK (LINE TABLES)

211F/FOI	AND REOC	K (TINE LAR	rf2)							
VAC TABLE	LOC TABLE	LINE TABLE	LINE THREE	UNC TABLE	LAC TABLE	CAL TABLE	IAC IANE	LINE TABLE	LAC TABLE	LINE TAILLE
NO. BYANNE ITAGIN	AO BEARAS IENETH	NO BEARING LENGTH	HO BEARNE LENGTH	NO BEARNE LENGTH	NO BEARAG LENGTH	NO BEARNE LENGTH	NO BEARNS HINEDY	NO BEARNS LENGTH	NO SEARNS SENSIN	NO BEANAS LENGTH
11 (572317# 3750	167. MEY:3709'W 44:00"	1733 S7830510'T 44.05	1199 317434T ++00"	1265 588'25 06"# #.00	1331 191305'E 44.00"	1397 N12434"W +4.00"	1461 5227556T ## 60"	1521 522 15'54'E #4.00	1613 S2715'S4"E ##.00	1879 SEP'44 DE'W 44 DO' 1
12 1012755'# 4100'	168 AS2J31'S 57:30'	4134 ASJS436Y 3736'.	4200 S88'33'08'# 57.50'	1266 NF24S4W 1936"	1337 S80YE'33'W 37.30"	1.708 NB81251267 37.50	C464 5874406"# 37.50"	1330 5674436"# 5730"	1614 SEZNATOS'W 37.55"	1880 M2215/34"M 37'50" I
LJ AS373FT 4850"	169 284,33,02,5 33.31,	1135 M2E 05:10'W 33 M'	1201 813424,8 33 W.	1361 28832.00,6 45.00.	1333 N91315"# 23.71"	1.289 \$12 CSAT 23.25	1465 M2273/54'# 23.71"	(531 N22753A'W 73.7)	1813 N2275'S4'W 73.71"	1881 MEPARTET 2271 L
(4 284/27/08T 30/29T	130 \$32232** 8.00*	1138 56334'49'W 8.00"	1262 MEN'35'07'T 8:00"	1258 S174'54'T 4000"	1334 N80'46'56"C 8 00'	L+00 SAM'35'07'# 8 00	1 464 MAPHA OFE 8 00"	1532 N67'44'07'E #00	1816 A67++'67'C 8.00'	(682 52215'33'E 850' 4
15 A97270'Y 8.00"	FIT \$84'3F08'E 20.29"	1137 N26'00'TO'W 20.29	1202 812434'# 2026'	1289 N88'25'0A'Y 54.00"	1335 N973705'W 2029'	1401 1774347 2020	1407 N777534'W 20.29"	1233 1027554°# 2028"	1817 14771534'# 30.79"	1461 ASTROBY 202F 1
IN SECURENT 23 H	133 252521'W 49.56'	1/38 SEZS+SO'W +530'	C2C84 MER'US/X6'T 48 SE'	1270 N12+34'W 2050"	1.334 NRC'46'35'Y #9:50"	1 403 SAN'35/04"W 49 50"	1488 MEZ44,06,5. 48.30.	1554 MEF4406'T 4936"	1818 MEZHADET 4955"	(##+ 52275747 +#38" I
12 AV2731'Y 49.50"	123 157231'# #100'	1138 MAX3374,N W 000,	1265 MERCHANT # 66"	1271 NEZESE'W 4400'	1337 MTHOL'T 800"	1 103 SB8'35'C4"# 8 00"	1468 A2773'S1"# ## 00"	1353 S2713'54'E +# 00"	1818 N2275/34"W #00"	CERT METHODAY MADO" I
18 \$64'37'08'5 44'00"	174 N84"37 09"W 19 50"	1140 NETHEOFE 1850	1206 \$1724'54'Y 16.50"	1272 988'35'08'2 57'50'	1.538 \$2215'54'6 19.50"	1 404 N12424"# 1830"	1435 5674436'# 57.50"	1554 NETHERS 3750	1670 SETWICE'S 1950"	1888 N2235547# 37.55 I
11 SS3738'V 37.50"	(25 55775/F# +E.00	LIST N2713 34"# +6.50"	1207 NEETSTON'T 48.00"	(27) 302434T 2376	1339 MATHOEY 46 00"	1.405 SEE'JS 06"H 46.00"	1477 S22'15'54'E 23 71"	L555 422 15'54"# 23 21	LEPI N2275'34"# 4E.00"	(487 SEP**06'# 22.71" 4
110 NEV3706'# 23.71	176 SECULOUS 4000	1147 SET** EE'W 40.00	1208 812434 # 40.00	177* S8835D7'# 8.00	1.340 92715.54°W 40.00"	1408 0134343 40.00	1477 ASTATON'S 800'	1558 58744'05"# #.00"	1622 MEZANDET 40.00"	1688 52215357 860 1
111 N233237 B-60"	177 M523'51'E 54.00'	(11) SIF15'SA'T SAGE	1309 SB8'33'08'W 54'00'	1225 S124S4T 202F	1.341 SEP44'56'W 54'00'	1407 488735767 34.00	147J 12215'34'T 20.29'	1557 4223534'# 20.78"	1623 32275'54'7 54:00"	LESS 56744'06"# 20.39" L
113 N84'37'09"# 20.29"	### N84"37"09"W 20 50"	THE ASPECTATE DESE	L210 11'24'54'E 20 50'	1278 S88'35'06'W 1936'	LJ42 52215'54'E 20 50'	4 *D# N1'24'5*"# 20 50"	1 * 7 * NE F * 1 '06'E * 1 50"	1558 567***'06"# *9.50"	1674 SEPHYOS'W 2050'	(490 5221554Y 48 56° 1
113 984370616 44501	1/8 N174'54'# #00'	1145 8271534"# #60	4791 \$174'54'Y 44.00"	1277 188'35'06'W 8'00'	1343 \$3715547 44.00	1408 N13434"# 44.00"	1432 M223274,R 4400,	1500 SEP4405'A 800"	1823 N2215'34'# # 05	1891 N2215'54"# 8 00"   8
114 139238'* 3238'	180 HBF35'GBY: 19:50"	1148 367 4436"W 49 50"	1212 588:25/56,9 93.00,	(228 NI24S4'# 1856'	1344 SaFre(00'le 57:10"	1410 ABSTSTATE 37.50°	1436 S6744'08'w 57:50"	1360 S2213'54'E 18:30"	1836 NEZ++'06'E 18:50"	(892 S82'4406'W 19.50' 4
1/5 SECUTOR'S 23.70	181 N12434"W 48.00"	1747 NJJ'15'54'W 46.00	1213 817454 # 23.71	1219 S81.37,00, a 40.00	1.545 R2F1554'# 2271"	1411 1071347 23.71	1477 \$221534T 23.0°	1561 56744'08'# 48.00"	1637 10771534"# 45.00"	1482 N221534"W NE 00" 1
116 N37230Y 800	162 S88'35'56'W 40'00'	1000 ASPHEST 4000	12/4 NEE/35/07'T # 60"	1380 SY2434T 40.00	1346 METHORY BOD'	1417 SER'SSOF'M R.CO'	14/8 MEZ44,00,E BOO.	1562 42219/54"# 40.00"	1628 S62*** 06** *\$ 00*	LES+ N67'44'06"E 40 00" L
117 SHITTONY 2029	181 174247 1400	1148 1221534T 3400	1312 WIZ424,4 30.30,	1281 NEW JSTON'T 54.00	1345 VS53224,M 50:58,	L413 1174'54'T 20 20'	1479 13215347 20.29	1263 NEPHEDO'S SHOOT	1679 \$2215/54Y 54:00"	(895 \$2215/34Y \$4.00' I
118 A522'31'E 49'35"	184 MSE3566T 2030	1130 S67***06*# 30.50*	1216 MRE35'06'Y 48'30"	1383 N13454'W 3030"	LJ#8 36F##76T 4850	FREE 288-33-00,94 48-20,	1485 AST44'08'S 49.50"	1564 \$3715/347 20:50"	1830 A6744'06'T 2030'	1856 SE7'94'06"# 20'50"
(19 \$84'27'09'E 44'00'	HES NEEDSTORY HEAD	C134 38744'08'W 8.00"	1317 HB#35'06'Y 8:00"	1383 NIDAZER 4400	1349 NEPHIOSY 200	6.415   S00/35/06"H   8:00"	(481 3271334'Y *+ 00"	1365 S674+106"# #:00"	1831 A2235'54'# 8.00"	1887 N22 15'54"# 8 00" E
L20 S5'72'51"W 57'50"	188 S174'54'E 57:50'	1152 52715'Se'T 19:56"	(218 SF24'54'T 19.50"	1244 S88'35'06'# 27'36'	#350 \$22 15'54'E 18.50'	1418 417434"# 1830"	(487 SEF##'06"# 5730"	1568 92213 34"# 19:50"	1632 ASTANDET 18.50	1858 MEZEKTET 1950' 1
121 NEV3729'# -23 21	187 Ses'30'05'W 33.37'	1153 SEPY+TE'W +5.50"	C219 NEEDS/06'Y +6:00'	1285 S12454Y 23.71"	1351 06F44'00'F 45.00"	(4)) 500:35/06 W +0:00"	1483 N323234"H 23.31"	1367 SEF-1766'A 48.00	1633 N2275'54'W 41.00"	1889 N22'15'34"# 45.00" I
122 N5/2232'T #60	188 N13431,8 800.	1134 N2713-347# 400E	1220 812434"# 4500"	1284 NBW:2515'C # 60'	1357 N7775'S+'# 4000'	LEM \$12+3+1 40.00	1484 METALOTY #00"	1564 1777554T 40.00	1634 38744'06'# +0.00"	£700 SEF4#'06"# 40 00"
171 481'37'08'# 20.29'	185 185'35'06'W A0.29'	1155 MEZ****** 54.00"	1221 588'25'66'# 54'00'	1287 S12434Y 2025	L333 54744'05'W 54:00"	L411 N88'J5 06'E 54.00	1485 W2215'54'# 3939'	1568 MEF*** DE'E 54.00"	1635 \$2215'547 5400"	1701 57715'54'5 54.00' 1
174 NST239T 49.95"	150 412434"# 4500"	1134 S221534'T 2030"	1222 5/2454% 20:00"	1266 #88/32/2016 #8/201	1.054 \$32795'SAT. \$0.50"	1490 A12934"# 2010"	CHR METHODY 49.50	1570 A2215:34"# 70:50"	1836 MEZHA'00'T 20:50"	1307 HEPHYDE'S 2010" I
120 284,32,08,5 44,00,	181 SSE'33/06'W #4.00"	4157 SETYFOL'S 44.00"	1333 8134343 4400,	1389 ARR'25'E6'E 8.60"	1335 N7F1334'# 44 00'	1451 MISASA, 9488.	E487 N2715'34'# 44 60'	1271 SEF4435'W #00"	1837 S2275'S4'Y 805"	1703 N26'03'10"# 8:00" 1
128 SSSSSCW 5250°	195 81:3434.9 \$5.50	1108 A7710'S4'W 37:00"	1374 S88125/681# 57:30"	1290 S124341 1950	1.234 MAPHORY 57:00"	1.425   S88/25/06"W   37:50"	1 *58 \$6F***** 57.50	1377 S2215'54"E 15:50"	1838 N6744'08'E 1850"	170+ A8334'30'C 1958' 1
127 494'37'09'# 23.25	183 SAFWWY 2377	1159 BEFFERST 23.75"	1775 M17434'# 21.71"	4291 488'25'00'2 40.00'	1.557 S1210394T 32.71"	1492 307434T 22.8F	1489 3273534T 23.71°	1213 255,44,00,4 46.00.	1839 32717,24,3 48.00,	1 705 N26'03'10"# 4E.00" 1
126 N37232T 860	184 71.34,33,5 100,	1940 22775337 #00	1375 ABB'35'07'T @ GC"	1593 N134,74,N 40.00	1.354 567***D7'W 8:00"	1.474 ABB'25'05'6 B.00'	T420 PELALORA 800.	1374 A2273'54'# 40:00"	1640 56744'06"# 40 00"	1.706 S83'S4'50"# #0.00" 1
128 ABCIPOS'# 2029	185 MEF35CET 20.70	(161 MEP 44 TEY 20.26"	(337 W.3424, W.36.)	1297 S8835 06'W 54 00	1359 S3715 S4T 20 29"	1425 SYZ434T 2029	1431 S2215'54'E 20.29"	1575 MEFFERSEY 3400	1641 N22757547# 54:00"	6707 526'05'10'Y 54'00' i
130 45773/T 4530"	126 21.04.24.E 48.20	(1EJ 5773554'T 4850"	1228 NEE 25 06'T 48 50"	1294 S17434T 3050"	1.360 SEFFFEE'S 45.50"	1+36 988,32.09,1 +6.20,	1497 ASTHUM'S 49.50"	1576 57715'347 70:30'	1617 MEZHENT 2010	1704 NESSYSBY 2030 1
1.31 Nex'3759'e 44.00'	197 3124243 #00"	(MI METHODY HEGE	1335 ME433,00,4 ++ 00,	(235 3)2+34Y +466"	rilat sameras'a mod	1425 BIS434,L 4400,	(403 W33.32,24,74 ++ 00.	(577 5271534"( +4.00"	1643 33275'54'7 #60	1709 52215'54"E 8 00 L
L32 55'22'51"# 57.50"	458 S88'35'06"w 14.56"	116+ N2215'54"# 57.56"	L230 MS29317E S756	1796 S88'35'06"W 57.56"	L362 #2215'5**# 1# 50"	1.428 S88'35'06"W 57.50	1454 S6744'05'# 57.35'	1578 MATHERY 3750"	1644 MEZHATET 1850	1700 HEFFETET 1950" 1
133 284.31.02.J. 33.31.	195 177517 41.60	URS SEPHISE'W 23.71"	1237 58137081 2331	1297 A12454'W 33.71"	1.383 5674456"W 48.00"	1478 AT24'S4'W 23.71"	(493 T2271534Y 23.81°	1576 W2275'34'W 3271'	1842 23533343 46.00	17H \$22'15'54"E 4E.00" 4
LJ4 A573'58'E 8 00	T100 WRE32.0E.A. 40.00.	THE 255.12.22.L WOO.	(722 157733"e 600"	1798 ABEUS 07'E # 00	1364 32739'SAT 48 00"	T470 WWW.TP.OLE WOO.	1496 MF##*05"C 8.00"	1580 SEF##00"# #.00"	1646 58744'06'# 40.00"	(7)7 SE7'44'06'# 40'00' E
132 28437087 3039	1101 m3424,# 2400	1167 5674426"# 3025"	1233 281,31,02,5 30.38,	1299 N12454'# 2025	LMS ASTRICET 3400	(431 N12424 # 2029	1481 2333234T 3239	1361 N2225'34"# 20.28"	1647 N2715'54'# 54.00"	1793 N221554"W 54.05" I
1.86 NS7739'T 49.56"	1100 188'ANDE'W 20.50	118# 5225554°E 48.50°	1334 22531,A 41.20,	F350 W88,32,59,4 48.20,	1'984 MASJE 24, M 50,20.	1.437 A8835'66'8 49.50"	1488 VESANDES 4870.	1567 S67'44'06"W 49 50"	1648 NS744'06"[ 20 50	4714 M67'44'06'E 20'50 8
137 S84°37'09"E *** 00"	4483 N10709 28"W 8 00"	144 56 *** 8.00	L2JS S84"J7"09"[ ## 00"	1301 488'35'06'2 8 00	1.36 F 5811 FG5*W 8 00	1433 NY3434"# 44.00	F485 2353234,5 ++00,	1541 547+176"# # 00"	1649 S2715'S4T ROT	1775 HF2950'W 14.00' 1
136 22.531.8 23.20,	THEN MARROLYSE, 18-20,	1130 M32.12.24,M 19.20,	1236 A502'51'E 57:50'	1302 ST2454'E 1950'	1.366 MEX2.22, in 18.50,	1434 S88'35'04'W 57:50'	1500 54744'64"# 57.55"	1584 32215'54'C 16'58'	1810 SAFFFOR'S 19 50"	1716 A65'31'00'Y 57'58' 1
139 MERZ/CO'm 2321	1705 A10:09'28'# 46:00"	1171 SET VA CE W 45.05	1727 MECSTES'# 22.71"	1303 WEETS, 40.00.	1366 2511/02,4 40.00,	1432 21.34.24.L 37.31.	1501 N2715'54"# 2871"	1383 S61'44'05"# 46 00"	1831 S232,24.5. 4E.00.	6265 \$4393000 33391 6
140 A377377 8:00	1104 \$28.20.75,* 40.00.	1177 S2715'S*T +0.00'	1238 557750"# 865"	1304 MIGH, 94,94 40.00.	1370 584735'E 40.00"	1438 ABB'35'05'E B.60'	1507 METHYDTE 6.00"	1586 N223534"W AD-00"	1677 A6744'06'E 40.00"	178 585'31'BI'W 8.00 I
141 494'27'09'9 20.29	F103 210:00:38.E 24:00	103 MEZERSET 14.00"	1338 M613705'W 2035	(.305 S88'35'00'# 34.00"	L371 ABITFOST 34.00	(A37. 517434°C 2079°	1503 N2215'54'W 2029'	1587 N6744'06'E 54 00	L653 N7775 14 \$4 00	1.718 54'28'00"E 20 29 8
142 857273172 48.50"	FICE NAMES 25.5. 10.20.	1174 N72'15'34'W 30.55	1240 5572/31°F 49:50"	LJ06 S1'24'54"E 20.50	1377 N8'42'55'# 30.50	1438 489'25'06'Y 49'50'	1564 ASPAYOUT 4950"	1788 2352524,1 50.20.	1834 \$67**'06"# 20.30"	1770 S35'31'00'# +8.50' ii
143 NB43706'# 44.00"	1109 NICOS JE'# # 00"	1175 N17434'# 800	1241 598:32.08,4 8.00.	1307 \$17454'E 44.00"	1373 817434'8 44.00	1438 212424.L 4400.	1505 N777554"# 44.00"	1569 MEPRESON'S BOO'	1855 NEZHE'DE'E 44.00'	1321 8833100'# 800' 1
144 557731"# 5738"	TUB 24820,35,% 1820.	1776 SAEDS'08"# 19:00"	1242 812424,8 1526,	1308 288/32.00,4 25.20.	1334 MRESSEEY 5750"	T440 288.3256,M 25.20	1506 SEFERSE'W 5750"	1590 42213'54"# 18 50"	1434 522'15'54"E 57'50"	(325 #4,58,00,M H8.20, P
147 RECTABLE 3130.	1311 MICOS.38, N 48 00.	11// 0/24/34/# 45:00	1343 CWA.12 CW. N 40 CO.	1308 NIGHZ4,84,8 33 IA.	1375 \$124'\$4'8 22.81"	(441 #13424,8 313t,	1507 S3715'SA'E 33 71'	1281 PELALDEL 48.00.	1657 SET+4'06"# 22.31"	1773 SESTINO'S 48.00' 1
146 N572'30'Y 8-00"	(117 1/1/20/32% 10:00	1178 NRE'33'06'Y 40'40"	1744 \$12434% 4500	1210 488'25'07'( #.00'	1376 S88'35'07'W 8.00'	1445 VBB, 32-05.1 # 20.	1358 55747057 8.00	1283 35512,24,1 40.00,	1658 N2215'53'# 8:00'	1/24 S42000'X 4000' E
	1113 SICOS 28'Y 54.60"	1179 ST24'S4'Y 34'00'	1245 MRE35'0E'Y 54'00"	(31) A12454"# 2025"	1377 5124'54'5 2029"	1443 412424. 5032	1509 52775'54'Y 20.29'	159J S####'05 W 54 00	1859 S6744 06"# 20 29"	L725 N85'31'00"E 14 00"
£48 NS:2∄36°€ 49.50°	ATT \$75'50'32'# 20 55	1180 18833101 20.50	1246 #174'54"# 20.50	L312 N88'J5'06'E 49 50	L378 S88'35'G6'W 43 10	1,444 ABB'35'06'E 49.50'	LSIG METHOD'S #9.50	1594 M2235'34"# 70.36"	1660 N333554,8 43.20,	5358 M439.00,M 3030,
149 58437697 44.00	1113 SE2'36'32'# 8:00'	1181 MT24'34'# #00	1247 1072434"# 4400"	1.713 488725367 8.00 1.314 5124347 19507	1379 SME3506"# #100"	1449 NEDAZICK 44.00	1311 \$2715'34T 11.00'	1595 NEPHTON'S #00	1881 20144.00,4 44'00,	1727 44'29'00'W 8 00
150 51/27/51'# 57:50'	1118 N75378"# 18:50"	1183 N124"34"# 19:30"	1248 AMESSON'T 5/30"		1.000 N1/24/34"# 18/50"	1446 588'35'06'W 57'56'	1393 S6744"06"# 57.50	1598 S2275'54"E 1550"	1683 2333,24,5 21,20,	F15/4 283/31/00/9 16/20.
conditions of the second	(11) 28224 12.8 47.00	1183 N174 14 W 45 00	CONTRACTOR OF STREET	1.315 ASB*35*06*F 46.00*	The state of the s	100000000000000000000000000000000000000	1313 N22253+'# 23.71'	1597 NEPHYDEY 16.00"	1663 MEZ++361 22.71	(558 WASADO,M 4E 00.
152 4577377 800°	1118 3703387 4526	1185 S17434T 3460	1320 208-32/05.# 8/00.	13/5 (244,37,00,A) 54.00,	1383 PARTH CO. 24 CO.	1448 ARR'25'C5'C 8:00'	1514 84747077 800	1508 A2275'54'W 40'00'	1884 N/275'55'W 865	L730 NBS/31'00'E 40'00"
134 65773/1 4935	1170 N70378"W 2050"	(188 MBE 35 TG T 30 50	1525 298,32.09,44 43.30,	1J18 \$124'54'Y 20.50"	1303   404 25 00 1   51 00	4.50 M88:35'06'E #110'	1313 A7275'34"# 20.29"	1599 S6F****01*# 54 00*	1885 N6744'06'E 20.29'	(73) \$4'28'00'K 54'00'
134 WRL32,00,4 44.00,	1121 N2EIII-10'W 14.00'	1187 S17924T 44.00	1371 296.32 09 A 12.20	1318 3134243 4400	1384 N17454 2050	(+5) \$17+3+T +400	1517 32273'34'T 44.00"	1800 1327534Y 2030'	Process of the Party of the Par	1737 S85'31'00'# 20.50'
156 222231,4 2529,	1122 METSESSY 12.50	1188 SWE3226, 81720	1234 102434'8 1930'	1330 (8632/00,6 2520.	1.384 MRY 25 CK C 57 10"	1423 200.17424 1 44.00				100000000000000000000000000000000000000
157 WEIPON 2171	1123 \$38705707 23.21	1189 1179'51"# 23.71"	L255 S88'J5'06'W 46 00'	1.371 N1'24'54'# 23 71"	1.387 S1'24'54'E #3.71'	(453 MID424 3730	1518 S67**** 57.50	1802 42235 24"# 19.50" 1803 48744 06"E 48.00"	1400 1401 1400	112 122 122 122 122 122 122 122 122 122
138 M322367 400	1134 SEESCHAM 100.	1180 MM/35/87Y # 53.71	1255 S88'35'06'W 46'00'	1322 ASS 25 W 23 7F	1387 S174'54'E J3.71'	(424 A88/32/27) 8:00°	1950 WALNULL WOO,	1801 93715347 40.00	1670 SATY106*# 40.00	100000000000000000000000000000000000000
139 58437497 30.29	1175 S25TS3ET 20.29	(190 M66/350/1 E90	1757 MAN'35'08'T 54'00'	1323 M23424 M 50.58,	1388 21,34,24,6 50.50, 1388 288,32.03,0, 8.00	1455 N124'54'# 2028	1531 A223154'# 2039	1402 15711347 4000		5000100
180 95/3/51/2 48 30	1134 28734,70,8 48.00.	1143 #88,33,01.4 +3.50,	1218 812434'# 26.50"	1324 WALTZ, DQ.5 48 TO. 2	1380 28830,00,M +870,	1458 ABB'35'EB'Y 49:50'	1327 A6771134 W 2020	1606 42270'34"# 20.30"	1677 NEP++16'T 2030'	1737 5429 00'T 34 00'
181 2134241 44 00,	1121 SELECTION 800.	1193 MBF2576Y #00	1253 117434'# 44.00'	1.325 ARE 25 DAT # 00"	1301 288.32.08.m 8 00.	1407 NEWSTON 4400	1233 M33.3734,8 ++ 00,	1807 N023334'W 4400'	1673 SET24,30,8 44.00,	1738 S429'00'T 20 50'
167 188°25 06'# 17.50'	1178 A260330'W 1850	1194 317434T 1930	1260 MAR'35'06'T 57'50"	1.01 1/2+3+Y H-SE	1332 147243414 19301	1424 288.35.00.M 35.20.	1224 2014-100,6 74.20	1808 S6 *** 01 W 57,50	1674 N26'03'18'# 57.50'	1340 V8231.00,5 18.70,
(6J M(24'34'W 2170'	1120 SEES-30,8 48 00.	L195 N88'J5'06"C 46 00	L261 S1'24'54'T 23.71"	L327   N88'35'06'C   46 00"	1.39.3 S88°35'06"W *1.00"	1450 5174347 2170	1222 2223247 2237	1809 33375347 33.01	1873 AS33+36'Y 21.0"	(24) 54'23'00'E 18:00'
154 NRE25'07'E 800'	L130 \$26'05'16'Y +0.60'	1184 N174,74,4 40.00,	1347 SAR35'07'W # 00'	F334 N124,74,8 40.00.	1394 1174147 42.00	1460 MARISTON # 00"	1326 MEZAYESY #00"	TRIG METHANDY ROC	1839 23622.08,A 402,	1242 SAS/31/00"W 40.00
183 412434"# 2029	1131 NEJS4307 54.00	1197 S88'35'06'W 54.00"	1263 5124547 30.29	1,229 S88'33'06'W 54'00"	1.390 ARE 15 CO Y 54 OUT	(48) \$174'34'Y 20'29'	L527 \$3215 34°E 20 29	1411 S2215'54'C 2029'	1877 N63'S4'S0T 2029'	(742 N42400,A 2400,
186 N88"33"06"E *8.58"	1132 A260230,4 30.00	1198 5124'34'( 30'30'	1.26# 588:35 CB W #9.35"	1338 1178'54'T 20 10'	1316 017131'4 2035	1463 ARE 25 EAT 49 20	1578 ASTRIBLY 1950	(412 NEFFERY 1930	1678 S2E05767 +250	LPH MINDTERE 20 SE
No. of the last of	the second second second	lease beautiful and the second	the section of the se	homelesson contribution	t	harmonia and a second	terrological distriction of the second	to the second second		Lancing Control of the Control of th

C TABLE			LINE TABLE			TWE TWITE			LINE TABLE	
ARNE	11NG/hr	40	MARNE	e£NG5e	NO.	BEARAS	LENGTH	NO	BEARING	(ENChe
15'54"[	** 00	1613	\$27'15'54'E	## 00	1879	SEPHADE'W	44.00	1745	\$85'31'66'W	#4.00
11 (6) #	\$2.50	1614	\$83744"(\$6"#	37.55	1682	M2275'34'H	37.50	1746	WA'78'00"#	97.50
15 34°W	73.71	1613	N\$275'54'W	75.71	1881	4574436T	22.20	4747	AdS'JI CO'T	23.51"
44"07"E	# 00	4.576	MEZHEBYE	#.CC	1682	57275337	8.00"	4740	SCHOOL	8.60'
334"H	70.28"	1677	147715'54'#	30.39"	1461	METERSEY	2028	1.719	NESCHIOLE	10.39
**30ET	+9.34"	1,618	METHORY	49.55"	itse	52275747	** 33"	1,755	517300 E	49.50
13'54'[	## 00°	1515	N2275'54'W	W 00.	1462	*67******	44.000	1.751	943'31'00'Y	**.06"
1.9d.k	37.50	1620	58744'08"#	19.50	1686	N227554"#	3735	1757	N47905 #	57.55
5'54"#	23.71	1.621	N2275'34'W	+1.00	(487	567'********	22.71	1751	\$85'31'00'w	22.75
4 125°#	#.00"	1622	M6744'06T	*0.50*	1.600	52275757	8.00	1754	\$478 DIT	# 00
334'#	20.28	1623	\$2275'54'Y	54:00"	cter	S6744'04"#	20.39"	٤755	\$85"JI"03"#	20 29
***06*#	+9.50"	1674	\$8.FH4106*W	20.56"	(890	5227573+Y	48 50"	1.756	3428007	49.507
425 #	2.00	1823	N2275'54'#	400	1881	47215'54"#	8 00"	1757	S85:31'00"W	** 00
13'51'€	18.50"	1836	N6744'06'E	19 50"	(892	587'++'06'w	19.50	1758	H475'00"#	5F50'
44.00.W	48.00	1637	N771534"#	45,00	1802	N221634"W	AE 00"	1756	MAY DO TO THE	22.71
334"#	40.00	1628	S6 . 06 .	+0 00°	(654	N67'44'06"E	40 00°	L760	\$4'28 59"E	8.00
170071	34.000	1679	\$2275554Y	54:00"	(885	57215'54Y	54.00	1.761	M853/00T	20.29
3347	70.50"	18.30	AE744'06'T	20.50	1250	\$47'44.56"#	20.50	1.752	5475 DOY	43.50
*******	# 00"	1831	A2235'54'W	8.00"	(407	N22'13'51'#	8 00	(20)	₩85"31"00°E	** 00
334"4	19.50	1632	METATOET.	18.50	1454	MEZHATET	19.50"	1764	M17900's	5730
e'ce'a	+8.00	1633	N7275'54'W	46.00	1400	A22'15'54'#	45.00	1.765	583'31'00'w	23.71
35+T	10.00	1634	18744'06"#	#0 00°	£ 700	SE/144106"#	40 00	8.76€	S*7###"[	# CO.
** D6 'E	54.00	1635	17775'54'Y	54.00	1,701	57735'34'E	54.00	1767	\$85'31'00'w	20.26
334"#	70.50	1636	M/744 06'T	20.50	£393	*****	2010	E.768	5478 DOY	49.50
125'W	200	1637	52275'54'Y	A 05	1703	426 03'10"#	8.00	1769	S85'31'00"W	44.00
15'54'6	15:50"	1838	N6744'06'E	(9.50"	670+	46J2430T	19 501	1110	N479100"#	37.50
106.0	46.00"	1630	SPECIAL	46 00°	6 205	M26/02/10"W	4E 00	1,771	MBS'3F'00'T	23.71
331.0	40.00	16+0	567 *** 06**	40 00°	1.706	S8J'S4'50"#	+0.00"	1,772	3478 SE'E	8.00
THEFT	34.00	1601	N22755547W	54 00"	1,707	526'05'10'E	54.00"	1723	M65/31 00 T	20.29
15347	70.50	1617	METHERT	20.50"	6706	ME33430Y	20.5E	1776	547500Y	49.55
X*6'61	+4 00	16.43	32215547	8.60	1709	52215'54"E	8 00	1.775	#83.31.00,£	44.00
THEFT	37.50"	1644	MEZHIOLT.	19 50"	1,710	#6P#KTGT	19 50"	1.776	N4.28,00,10	57.50
334°M	3230	1693	52275'3***	*6.00°	1201	\$22'15'50'E	*E 00"	im	S85'31'00'W	23.71
4100°#	# 00"	16+6	58.7***06"#	40.00"	(2)2	\$67'44'O) '#	40'00"	1228	\$47970170	8.00
534"#	70.29	16+7	N2713'54'#	54.00"	1213	4221534"W	34.05	1,775	585'31'00"w	20.25
4'06"W	## 50°	1643	NS7'44'06"[	20 50	4.714	N6744'06 €	20 50	1761	5478 00 T	9.50
166	8.00	1649	12775'54'Y	8.00"	1,713	HF2950"#	** 00"	1.700	5479 DOT	44.00
3'54'6	16.50	1610	SAFIFOL'S	19 50	1.714	ABSTET DO'T	3750	1.762	\$85'31'08"#	5755
4.01.4	46 00	1831	12275'54'Y	46.00	(2)2	54'29'00'Y	23.291	6783	W4.50,00,4	22.71
334'4	40.00°	1677	METHORY	40.00"	4.718	\$85'J\'B1'w	8.00	1.784	eststatitit	8.00
1 '06'E	54 00	1653	NOTISTICE.	54 00	1,718	54'23'03"E	20 29	1.765	N479'00'#	20.25
Y+E4Y	70.50"	1634	55744'05"#	20 30"	1770	\$35'31'00'#	+5.56	1.786	MAY TO GOT	49.50
VE DET	8'00'	1855	NEFFE DET	** 00'	1.721	585'31'00'#	800	1.767	A#39'00'#	** 00
13'54"W	19.50	1636	522'15'54'E	57.50	(372	#+,58.00,M	19 50"	1.700	585'21'00"#	57:50"
** 05"	48 00"	1657	26.744 06"#	22.71	1773	183'31'00'#	48 00	1.705	\$479.00Y	23.71
15'54'Y	40.00	6656	A2235'51"#	8.00	1724	54'20'00'Y	*0.00	1.790	485'30'59'Y	# 50
*****	54.00	1659	567 44 05"4	20.70	1.725	NRS:1F00*F	14.00			-

	LINE TABLE			LINE TABLE							
NO	BEARING	LENGTH	140	BEARING	LENGS						
791	54'79'00'E	20 29	1813	44'29'DO'W	22.71						
12	A83'31'00'C	+9.50	1.61+	\$85'30'5E'#	8.00						
2.5	4+7500°#	#4.00	1415	4475 ED'#	30 21						
94	545'31'00'#	5750	1,816	585'31 DO'M	+9.50						
n	\$478007	23.75	4817	S479'00'V	** 00						
798	N65'30'58'T	8.00	1.818	585'31 00'#	37.50						
97	24,38,00,5	20.28"	1819	**29'00'e	227						
798	VIER. 11.00.C	49.50	1820	N85'31'01'E	8.00						
99	N179'00"#	44.00	4821	N479'05"#	20.21						
600	M85'21'00'E	3750	1822	MEN'TH'00.E	49.50						
ta:	54'28'00'T	23.71	1823	#479'00"#	44.00						
102	\$45'01'01'w	8.00"	1874	585'31'00"#	37.50						
903	\$4'29'00'E	20.28	1825	\$425,00%	227						
104	585'31'00'W	49.50	1826	HR5'30'39'Y	B 00						
s	N425'00"#	44.00	1827	\$479'00"£	20 2						
06	##5'J1'05'Y	5750	1.026	MBS'21'00'Y	+0.50						
1.0	\$4,58,50,5	22.71	1879	N+79'00'#	44.00						
44	\$85'31'Ex'w	8.00	1830	585°H"00"#	57 50						
000	\$4'29'E0'E	20.25	(831	\$429.00%	22.3						
átiù:	\$85"JI 00"#	49.50	1833	14C0CCD0	8.00						
m)	54.50,00,€	44.00	1833	24.50.00,5	30.21						
412	*#5'31'00'E	1930	1634	MESTAL DOT	41%						



SITE/LOT AND BLOCK (TABLES) CONTINUUM OF CARE COTTAGE COMMUNITY



JANUARY, 2022

SHEET LBT-1 OF 11





## Section 4



January 10, 2022 Project No. 3599008

Mr. Greg Peitzmeier **Silverado Homes NV, Inc.** 5525 Kietzke Lane, Suite 102 Reno, NV 89511

Re:

Silverado Continuum of Care East – Geotechnical Summary

APN 532-032-05 & Portion of APN 532-032-16

Washoe County, Nevada

Dear Mr. Peitzmeier,

The overall site, located in Washoe County, Nevada is centrally located at 39.6457°N and -119.7169°E based on a representative latitude and longitude, respectively. As shown in the attached exhibit prepared by Wood Rodgers, the property borders Neighborhood Way to the west, residential housing to the north and east, and vacant land to the south. A design level geotechnical report will be required to provide geotechnical recommendations for design and construction of the project.

Silverado Continuum of Care East encompasses an area of approximately 22 acres and will consist of developing single-family residential units as well as apartment structures with associated infrastructure. Design considerations will be governed by the International Building Code (IBC) and the Washoe County Public Works Design Manual will address public improvements.

Once soils have been adequately prepared, either standard spread foundations or post-tensioned foundations should perform well for the development.

We appreciate the opportunity to provide our services for you. Please contact our office should you have any related questions or comments.

Sincerely,

WOOD RODGERS, INCORPORATED

Justin M. McDougal, PE

Associate

RE Number: 24474 Expires: 12/31/2023

Enclosure:

Existing Conditions, Silverado Continuum of Care East SUP & TM, Wood Rodgers, January 2022

Digitally signed by Justin McDougal Date: 2022.01.10 10:59:41-08'00'





# SILVERADO CONTINUUM OF CARE TRAFFIC STUDY

**AUGUST 2021** 



Prepared by: Solaegui Engineers, Ltd. 715 H Street Sparks, Nevada 89431 (775) 358-1004

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## SILVERADO CONTINUUM OF CARE TRAFFIC STUDY

#### EXECUTIVE SUMMARY

The proposed Silverado Continuum of Care development will be located in Washoe County, Nevada. The project site is located north of Eagle Canyon Road and east of Neighborhood Way. The project site is currently undeveloped land. The purpose of this study is to address the project's impact upon the adjacent street network. The Pyramid Highway/Eagle Canyon Road-La Posada Drive intersection, the Eagle Canyon Road/Neighborhood Way-Ember Drive intersection, and two project access intersections on Neighborhood Way have been identified for AM and PM peak hour intersection capacity analysis for the existing, existing plus project, 2050 base, and 2050 base plus project scenarios.

The proposed Silverado Continuum of Care development will consist of the construction of 139 senior adult detached housing units. Project access will be provided from two access intersections on Neighborhood Way. The proposed Silverado Continuum of Care development is anticipated to generate 752 average daily trips with 52 trips occurring during the AM peak hour and 62 trips occurring during the PM peak hour.

Traffic generated by the Silverado Continuum of Care development will have some impact on the adjacent street network. The following recommendations are made to mitigate project traffic impacts.

It is recommended that any required signing, striping, or traffic control improvements comply with Washoe County requirements.

It is recommended that the Neighborhood Way/South Access intersection be improved to include stop sign control and single ingress and egress lanes at the east project access approach.

It is recommended that the Neighborhood Way/North Access intersection be improved to include stop sign control and single ingress and egress lanes at the east project access approach.

#### INTRODUCTION

#### STUDY AREA

The proposed Silverado Continuum of Care development will be located in Washoe County, Nevada. The project site is located north of Eagle Canyon Road and east of Neighborhood Way. Figure 1 shows the location of the project site. The purpose of this study is to address the project's impact upon the adjacent street network. The Pyramid Highway/Eagle Canyon Road-La Posada Drive intersection, the Eagle Canyon Road/Neighborhood Way-Ember Drive intersection, and two project access intersections on Neighborhood Way have been identified for AM and PM peak hour intersection capacity analysis for the existing, existing plus project, 2050 base, and 2050 base plus project scenarios.

#### EXISTING AND PROPOSED LAND USES

The project site is currently undeveloped land. Adjacent properties generally include single family homes to the north and east, a senior living facility and undeveloped land to the west, and undeveloped land to the south. The proposed Silverado Continuum of Care development will consist of the construction of 139 senior adult detached housing units. Project access will be provided from two access intersections on Neighborhood Way.

#### EXISTING AND PROPOSED ROADWAYS AND INTERSECTIONS

Pyramid Highway is a four-lane roadway with two through lanes in each direction in the vicinity of the site. The speed limit is posted for 45 miles per hour near Eagle Canyon Road. Roadway improvements generally include graded shoulders with striped edgelines and bicycle lanes on both sides of the street and a raised center median north and south of Eagle Canyon Road.

Eagle Canyon Road is a four-lane roadway with two through lanes in each direction west of Pyramid Highway to Neighborhood Way and a two-lane roadway with one through lane in each direction west of Neighborhood Way. The speed limit is posted for 35 miles per hour. Roadway improvements on the four-lane segment include curb, gutter, sidewalk, and bicycle lanes on both sides of the street with a raised center median between Pyramid Highway and the first roundabout. Roadway improvements on the two-lane segment include graded shoulders with striped edgelines and a striped centerline.

La Posada Drive is a four-lane roadway with two through lanes in each direction east of Pyramid Highway. The speed limit is posted for 35 miles per hour. Roadway improvements include curb, gutter, sidewalk, and bicycle lanes on both sides of the street and a raised center median.

Neighborhood Way is a two-lane roadway with one through lane in each direction north of Eagle Canyon Road. The speed limit is posted for 35 miles per hour. Roadway improvements include curb, gutter, sidewalk, and a bicycle lane on both sides of the street and a striped centerline with left turn pockets at key intersections.

SOLAEGUI ENGINEERS LTD. LEGEND PROJECT SITE EMBER DR.

SILVERADO CONTINUUM OF CARE

VICINITY MAP FIGURE 1 Ember Drive is a two-lane roadway with one through lane in each direction south of Eagle Canyon Road. The speed limit is posted for 25 miles per hour. Roadway improvements include curb, gutter, and sidewalk on both sides of the street with a short striped centerline.

The Pyramid Highway/Eagle Canyon Road-La Posada Drive intersection is a signalized four-leg intersection with protected left turn phasing for all approaches. The north approach contains dual left turn lanes, two through lanes, and one tapered right turn lane. The south approach contains dual left turn lanes, two through lanes, and one full-width right turn lane. The east approach contains dual left turn lanes, one through lane, and one shared through lane-right turn lane. The west approach contains dual left turn lanes, one through lane, and one free right turn lane with a southbound acceleration lane. Raised corner islands exist in the northwest, southwest, and southeast quadrants. Pedestrian crosswalks exist at the north, south, east, and west legs.

The Eagle Canyon Road/Neighborhood Way-Ember Drive intersection is a four-leg roundabout with yield control at all approaches. The north and east approaches each contain one shared left turn-through lane and one right turn lane. The south and west approaches each contain one shared left turn-through-right turn lane. Crosswalks exist at the north, south, east, and west legs.

The Neighborhood Way/South Access intersection is currently an unsignalized four-leg intersection with stop sign control at only the west approach. The west approach provides access to an existing senior living facility. The east approach is currently constructed to the curb returns but will be fully constructed to provide access to the project development. The north and south approaches each contain one left turn lane and one shared through-right turn lane. The west approach contains one shared left turn-through-right turn lane. The east approach is anticipated to contain one shared left turn-through-right turn lane. Pedestrian crosswalks exist at the north and south legs.

The Neighborhood Way/North Access intersection is currently an unsignalized four-leg intersection with no traffic control. The east and west approaches are currently constructed to the curb returns. The east approach will be fully constructed to provide access to the project development. The north and south approaches each contain one left turn lane and one shared through-right turn lane. The east approach is anticipated to contain one shared left turn-right turn lane. Pedestrian crosswalks exist at the north and south legs.

#### TRIP GENERATION

In order to assess the magnitude of traffic impacts of the proposed project on the key intersections, trip generation rates and peak hours had to be determined. Trip generation rates were obtained from the 10th Edition of *ITE Trip Generation* (2018) for Land Use 251: Scnior Adult Housing-Detached. Trip generation was calculated for an average weekday and the weekday peak hours occurring between 7:00 and 9:00 AM and 4:00 and 6:00 PM, which correspond to the peak hours of adjacent street traffic. The proposed Silverado Continuum of Care development will consist of the construction of 139 senior single family dwelling units.

Table 1 shows a summary of the average daily traffic (ADT) and AM and PM peak hour volumes generated by the proposed Silverado Continuum of Care development. The trip generation worksheets are included in the Appendix.

	TABI TRIP GENE		N					
		AN	I PEAK I	HOUR	PM PEAK HOUR			
LAND USE	ADT	IN	OUT	TOTAL	IN	OUT	TOTAL	
Senior Adult Housing-Detached (139 D.U.)	752	17	35	52	38	24	62	

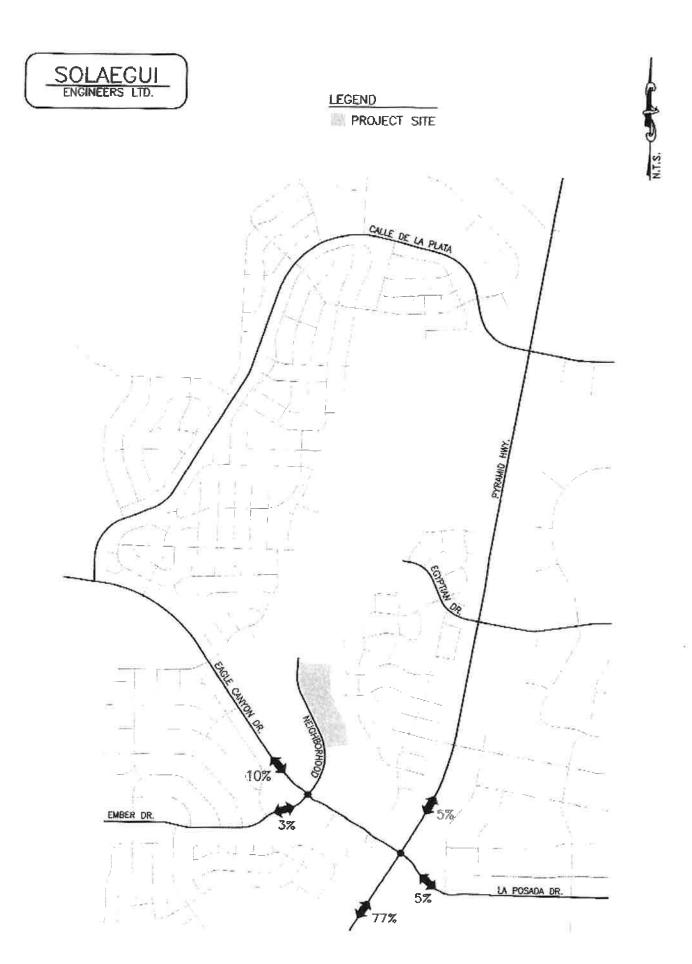
#### TRIP DISTRIBUTION AND ASSIGNMENT

The distribution of the project trips to the key intersections was based on existing peak hour traffic patterns and the locations of attractions and productions in the area. The anticipated trip distribution is shown on Figure 2. The peak hour project trips shown in Table 1 were subsequently assigned to the key intersections based on the trip distribution percentages. Figure 3 shows the project trip assignment at the key intersections during the AM and PM peak hours.

#### EXISTING AND PROJECTED TRAFFIC VOLUMES

Existing peak hour traffic volumes at the key intersections were obtained from traffic counts conducted in August of 2021 when Washoe County schools were in session. Figure 4 shows the existing AM and PM peak hour traffic volumes at the key intersections. The traffic counts were conducted during the COVID-19 pandemic which may have resulted in reduced traffic on the area streets. The existing traffic counts were subsequently compared with actual pre-pandemic 2018 traffic counts conducted at the Eagle Canyon Road intersections with Pyramid Highway and Neighborhood Way. The comparison indicates that the 2021 total intersection counts are on average 10% higher than the 2018 intersection volumes and therefore the 2021 traffic counts were used in the analysis.

Figure 5 shows the existing plus project traffic volumes at the key intersections during the AM and PM peak hours. The existing plus project traffic volumes were obtained by adding the trip assignment volumes shown on Figure 3 to the existing traffic volumes shown on Figure 4. Figure 6 shows the 2050 base traffic volumes at the key intersections during the AM and PM peak hours. The 2050 base volumes were estimated by applying a 1.5% average annual growth rate to the existing traffic volumes shown on Figure 4. The growth rate was derived from a comparison of 2020 and 2050 average daily traffic volumes obtained directly from the Regional Transportation Commission's traffic forecasting model. Figure 7 shows the 2050 base plus project traffic volumes at the key intersections during the AM and PM peak hours. The 2050 base plus project traffic volumes were obtained by adding the trip assignment volumes shown on Figure 3 to the 2050 base traffic volumes shown on Figure 6.



SILVERADO CONTINUUM OF CARE

TRIP DISTRIBUTION FIGURE 2

SOLAEGUI ENGINEERS LTD. LEGEND - AM PEAK HOUR (-) PM PEAK HOUR 12(8) 23(16) EMBER DR. LA POSADA DR.

SILVERADO CONTINUUM OF CARE

TRIP ASSIGNMENT FIGURE 3

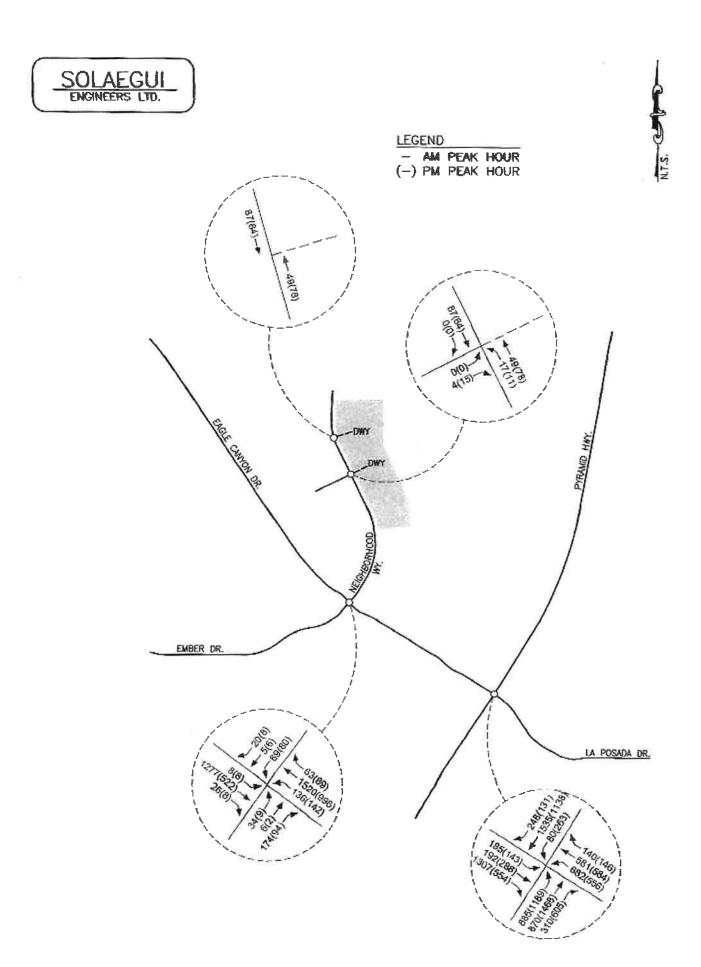
SOLAEGUI ENGINEERS LTD. LEGEND - AM PEAK HOUR (-) PM PEAK HOUR 5A(31) 0(0) EMBER DR. LA POSADA DR.

SILVERADO CONTINUUM OF CARE

EXISTING TRAFFIC VOLUMES FIGURE 4 SOLAEGUI ENGINEERS LTD. LEGEND - AM PEAK HOUR (-) PM PEAK HOUR EMBER DR LA POSADA DR.

SILVERADO CONTINUUM OF CARE

EXISTING PLUS PROJECT TRAFFIC VOLUMES FIGURE 5



SILVERADO CONTINUUM OF CARE 2050 BASE TRAFFIC VOLUMES

FIGURE 6

SOLAEGUI ENGINEERS LTD. LEGEND - AM PEAK HOUR (-) PM PEAK HOUR EMBER DR LA POSADA DR.

SILVERADO CONTINUUM OF CARE
2050 BASE PLUS PROJECT TRAFFIC VOLUMES
FIGURE 7

#### INTERSECTION CAPACITY ANALYSIS

The key intersections were analyzed for capacity based on procedures presented in the *Highway Capacity Manual (6th Edition)*, prepared by the Transportation Research Board, for unsignalized and signalized intersections using the latest version of the Highway Capacity software.

The result of capacity analysis is a level of service (LOS) rating for signalized intersections, roundabouts, and minor movements at partial stop controlled intersections. Level of service is a qualitative measure of traffic operating conditions where a letter grade "A" through "F", corresponding to progressively worsening traffic operation, is assigned to the intersection or minor movement.

The *Highway Capacity Manual* defines level of service for stop controlled intersections in terms of computed or measured control delay for each minor movement. Level of service is not defined for the intersection as a whole. The level of service criteria for unsignalized intersections is shown in Table 2.

LEVEL OF SERVICE CRITE	TABLE 2 BRIA FOR UNSIGNALIZED INTERSECTIONS
LEVEL OF SERVICE	DELAY RANGE (SEC/VEH)
A	≤10
В	>10 and ≤15
С	>15 and ≤25
D	>25 and ≤35
E	>35 and ≤50
F	>5()

Level of service for signalized intersections is stated in terms of the average control delay per vehicle for a peak 15 minute analysis period. The level of service criteria for signalized intersections is shown in Table 3.

LEVEL OF SERVICE O	TABLE 3 CRITERIA FOR SIGNALIZED INTERSECTIONS
LEVEL OF SERVICE	CONTROL DELAY PER VEHICLE (SEC)
Λ	≤10
В	≥10 and ≤20
C	≥20 and ≤35
D	>35 and ≤55
E	>55 and ≤80
F	>80

The Regional Transportation Commission's (RTC) 2050 Regional Transportation Plan indicates that the LOS standards used for assessing the need for street improvements at a planning level is LOS D for all regional roadway facilities projected to carry less than 27,000 ADT and LOS E for all regional roadway facilities projected to carry more than 27,000 ADT. Pyramid Highway, Eagle Canyon Road, La Posada Drive, and Neighborhood Way are regional roadways in the 2050 Regional Transportation Plan. RTC's traffic forecasting model indicates that Pyramid Highway will carry more than 27,000 ADT and therefore LOS E is the standard for the Pyramid Highway/Eagle Canyon Road intersection. RTC's traffic forecasting model indicates that Eagle Canyon Road and Neighborhood Way will carry less than 27,000 ADT and therefore LOS D is the standard for the Eagle Canyon Road/Neighborhood Way-Ember Drive roundabout. LOS C is the policy level of service standard for the Neighborhood Way/Project Access intersections per Washoe County's Spanish Springs Area Plan since the project access is not a regional roadway.

Table 4 shows a summary of the level of service and delay results at the key intersections for the existing, existing plus project, 2050 base, and 2050 base plus project scenarios. The intersection capacity worksheets are included in the Appendix.

INTERSECT	ION LEV		BLE 4 ERVICE A	AND DEL	AY RESU	JLTS		
	EXIS	TING	E .	TING DJECT	2050	BASE	1	BASE
INTERSECTION	AM	PM	AM	PM	AM	PM	AM	PM
Pyramid/Eagle Canyon (Signal) Existing Lanes With Improvements	D53.1	D44.8	D54.1	D45.5	F149.9	F114.7	F151.7	F117.9
	N/A	N/A	N/A	N/A	E68.9	E68.8	E70.2	E70.9
Eagle Canyon/Neighborhood (RB) Existing Lanes With Improvements	C20.9	A8.1	C21.9	A8.1	F177.2	C21.2	F184.7	C21.5
	N/A	N/A	N/A	N/A	B14.4	A7,5	C15.5	A7.9
Neighborhood/South Access (Stop at West) EB Left-Right NB Left (Stop at East and West) EB Left-Thru-Right	A8.6	A8.5	N/A	N/A	A8.8	A8.7	N/A	N/A
	A7.4	A7.3	N/A	N/A	A7.4	A7.4	N/A	N/A
	N/A	N/A	A8.7	A8.6	N/A	N/A	A8.8	A8.7
WB Left-Thru-Right	N/A	N/A	A9.6	A9.6	N/A	N/A	B10.1	B10.2
NB Left	N/A	N/A	A7.4	A7.3	N/A	N/A	A7.5	A7.4
SB Left	N/A	N/A	A7.3	A7.4	N/A	N/A	A7.4	A7.5
Neighborhood/North Access (Stop at East) WB Left-Right SB Left	N/A N/A	N/A N/A	A9.0 A7.3	A9.0 A7.3	N/A N/A	N/A N/A	A9.4 A7.3	A9.4 A7.4

The intersection capacity results are discussed on the following pages.

#### Pyramid Highway/Eagle Canyon Road-La Posada Drive Intersection

The Pyramid Highway/Eagle Canyon Road-La Posada Drive intersection was analyzed for capacity as a signalized four-leg intersection with the existing approach lanes and signal phasing for all scenarios. The intersection currently operates at LOS D with a delay of 53.1 seconds per vehicle during the AM peak hour and 44.8 seconds per vehicle during the PM peak hour. For the existing plus project traffic volumes the intersection continues to operate at LOS D with delays slightly increasing to 54.1 seconds per vehicle during the AM peak hour and 45.5 seconds per vehicle during the PM peak hour. For the 2050 base traffic volumes the intersection is anticipated to operate at LOS F with a delay of 149.9 seconds per vehicle during the AM peak hour and 114.7 seconds per vehicle during the PM peak hour. For the 2050 base plus project traffic volumes the intersection continues to operate at LOS F with delays increasing to 151.7 seconds per vehicle during the AM peak hour and 117.9 seconds per vehicle during the PM peak hour. The intersection meets the policy LOS E standard for the existing and existing plus project traffic volumes but does not meet the policy LOS E standard for the 2050 base and 2050 base plus project traffic volumes.

The RTC's 2050 Regional Transportation Plan indicates that Pyramid Highway is scheduled to be widened to six lanes from Sparks Boulevard to Eagle Canyon Road-La Posada Drive by 2050. The Pyramid Highway/Eagle Canyon Road-La Posada Drive intersection was subsequently analyzed with a third southbound through lane for the 2050 base and 2050 base plus project traffic volumes and is anticipated to operate at LOS E during the AM and PM peak hours.

#### Eagle Canyon Road/Neighborhood Way-Ember Drive Intersection

The Eagle Canyon Road/Neighborhood Way-Ember Drive intersection was analyzed as a four-leg roundabout with the existing approach lanes for all scenarios. The roundabout currently operates at LOS C with a delay of 20.9 seconds per vehicle during the AM peak hour and LOS A with a delay of 8.1 seconds per vehicle during the PM peak hour. For the existing plus project traffic volumes the roundabout continues to operate at LOS C during the AM peak hour with delay slightly increasing to 21.9 seconds per vehicle and LOS A during the PM peak hour with no change in delay. For the 2050 base traffic volumes the roundabout operates at LOS F with a delay of 177.2 seconds per vehicle during the AM peak hour and LOS C with a delay of 21.2 seconds per vehicle during the PM peak hour. For the 2050 base plus project traffic volumes the roundabout continues to operate at LOS F during the AM peak hour with delay increasing to 184.7 seconds per vehicle and LOS C during the PM peak hour with delay increasing to 21.5 seconds per vehicle. The roundabout meets the policy LOS D standard for the existing and existing plus project traffic volumes but does not meet the policy LOS D standard for the 2050 base and 2050 base plus project traffic volumes.

The RTC's 2050 Regional Transportation Plan indicates that Eagle Canyon Road is scheduled to be widened to four lanes west to Calle De La Plata in the 2031 to 2050 timeframe. The Eagle Canyon Road/Neighborhood Way-Ember Drive roundabout was subsequently analyzed with one shared left turn-through lane and one shared through-right turn lane at the east and west approaches for the 2050 base and 2050 base plus project traffic volumes and is anticipated to operate at LOS C or better during the AM and PM peak hours.

#### Neighborhood Way/South Access Intersection

The Neighborhood Way/South Access intersection was analyzed as an unsignalized three-leg intersection with stop control at the west approach for the existing and 2050 base scenarios and as a four-leg intersection with stop control at the east and west approaches for the existing plus project and 2050 base plus project scenarios. The intersection minor movements currently operate at LOS A during the AM and PM peak hours. For the existing plus project traffic volumes the intersection minor movements operate at LOS A during the AM and PM peak hours. For the 2050 base plus project traffic volumes the intersection minor movements operate at LOS B or better during the AM and PM peak hours. The intersection was analyzed with the existing approach lanes. The intersection meets the policy LOS C standard for the existing and future traffic volumes. It is recommended that the Neighborhood Way/South Access intersection be improved to include stop sign control and single ingress and egress lanes at the east approach.

#### Neighborhood Way/North Access Intersection

The Neighborhood Way/North Access intersection was analyzed as an unsignalized three-leg intersection with stop control at the east approach for the existing plus project and 2050 base plus project scenarios. For the existing plus project traffic volumes the intersection minor movements operate at LOS A during the AM and PM peak hours. For the 2050 base plus project traffic volumes the intersection minor movements continue to operate at LOS A during the AM and PM peak hours. The intersection was analyzed with the existing approach lanes. The intersection meets the policy LOS C standard for the future traffic volumes. It is recommended that the Neighborhood Way/North Access intersection be improved to include stop sign control and single ingress and egress lanes at the east approach.

#### TRAFFIC CRASH REVIEW

The Pyramid Highway/Eagle Canyon Road-La Posada Drive and Eagle Canyon Road/Neighborhood Way-Ember Drive intersections were reviewed for traffic crashes. Traffic crash data was obtained from NDOT's Traffic Safety Division for the study period from January 1, 2017 to January 1, 2020. The traffic crash data is included in the Appendix. A total of 34 crashes occurred at the Pyramid Highway/Eagle Canyon Road-La Posada Drive intersection during the three-year period with no fatalities reported. The crash type was 21 rear-end crashes, 8 angle crashes, 3 sideswipe-meeting crashes, 1 rear to rear crash, and 1 non-collision. The intersection currently experiences 0.6768 accidents per million vehicles entering the intersection. The project is anticipated to increase the occurrence of accidents by only 0.1309 accidents per year. A total of 5 crashes occurred at the Eagle Canyon Road/Neighborhood Way-Ember Drive intersection during the three-year period with no fatalities reported. The crash type was 2 non-collision crashes, 1 rear-end crash, 1 angle crash, and 1 unknown crash. The intersection currently experiences 0.2107 accidents per million vehicles entering the intersection. The project is anticipated to increase the occurrence of accidents by only 0.0400 accidents per year.

#### SITE PLAN REVIEW

A copy of the site plan for the site plan for the Silverado Continuum of Care development is included with this submittal. The site plan indicates that project access will be provided from two access intersections on Neighborhood Way. The project accesses will provide direct access to the project's interior roadway network. The project accesses and on-site roadways are anticipated to provide good access and internal circulation. It is recommended that the project's internal roadways and intersections be designed per Washoe County street standards.

#### RECOMMENDATIONS

Traffic generated by the proposed Silverado Continuum of Care development will have some impact on the adjacent street network. The following recommendations are made to mitigate project traffic impacts.

It is recommended that any required signing, striping, or traffic control improvements comply with Washoe County requirements.

It is recommended that the Neighborhood Way/South Access intersection be improved to include stop sign control and single ingress and egress lanes at the east project access approach.

It is recommended that the Neighborhood Way/North Access intersection be improved to include stop sign control and single ingress and egress lanes at the east project access approach.

### **APPENDIX**

## Senior Adult Housing - Detached (251)

Vehicle Trip Ends vs: Dwelling Units

On a: Weekday

Setting/Location: General Urban/Suburban

Number of Studies: 14

Avg. Num. of Dwelling Units: 655

Directional Distribution: 50% entering, 50% exiting

#### Vehicle Trip Generation per Dwelling Unit

Average Rate

Range of Rates

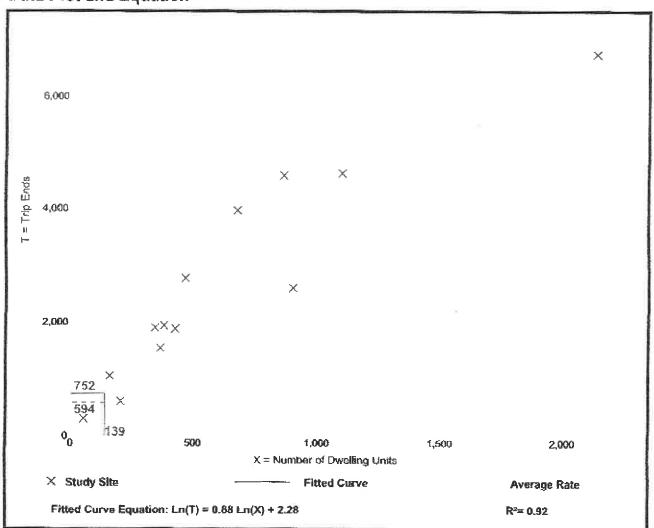
Standard Deviation

4.27

2,90 - 6,66

1,11

#### **Data Plot and Equation**



## Senior Adult Housing - Detached

(251)

Vehicle Trip Ends vs: Dwelling Units

On a: Weekday,

Peak Hour of Adjacent Street Traffic,

One Hour Between 7 and 9 a.m.

Setting/Location: General Urban/Suburban

Number of Studies: 29

Avg. Num. of Dwelling Units: 583

Directional Distribution: 33% entering, 67% exiting

#### Vehicle Trip Generation per Dwelling Unit

Average Rate

Range of Rates

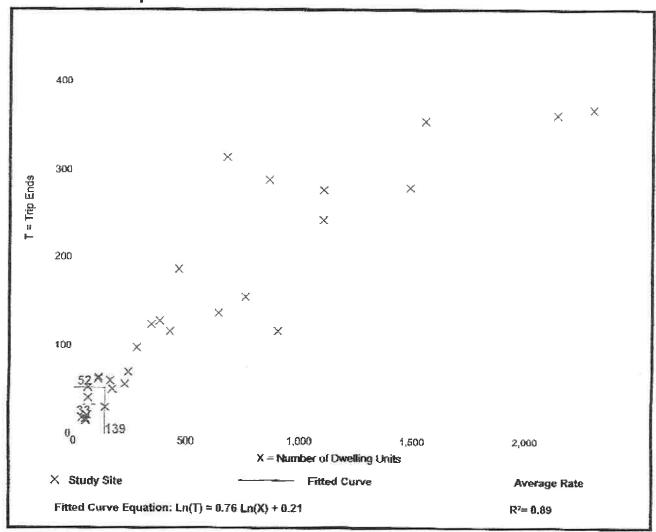
Standard Deviation

0.24

0.13 - 0.84

0.10

#### **Data Plot and Equation**



## Senior Adult Housing - Detached

(251)

Vehicle Trip Ends vs: Dwelling Units

On a: Weekday,

Peak Hour of Adjacent Street Traffic,

One Hour Between 4 and 6 p.m.

Setting/Location: General Urban/Suburban

Number of Studies: 30

Avg. Num. of Dwelling Units: 582

Directional Distribution: 61% entering, 39% exiting

### Vehicle Trip Generation per Dwelling Unit

Average Rate

Range of Rates

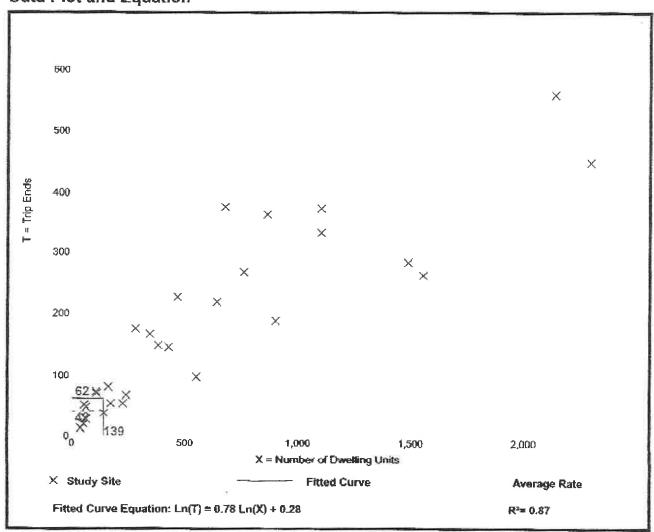
Standard Deviation

0.30

0.17 - 0.95

0.13

#### **Data Plot and Equation**



Trip Gen Manual, 10th Edition . Institute of Transportation Engineers

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Pedestrian LOS		The second second		2.66		Ç	2.48		В	2.46		В	2.45	1	В
	ore/LO	0		0.99	1000	Α	1.21	1	Α	2.34		В	1.36		A

#### **HCS7 Signalized Intersection Results Summary** General Information Intersection Information Agency Solaegui Engineers Duration, h 0.250 Analyst MSH Analysis Date Aug 23, 2021 Area Type Other Jurisdiction NDOT Time Period AM Peak Hour PHF 0.92 **Urban Street** Analysis Year (Existing + Project Analysis Period 1 > 7:00Intersection Pyramid & La Posada File Name PyEc21aw.xus **Project Description Demand Information** FB WB NB SB Approach Movement L T T R T R R R Demand (v), veh/h 121 127 0 443 91 378 588 565 201 52 997 162 Signal Information 1 Cycle, s 127.0 Reference Phase 2 Offset, s Reference Point End 13.0 Green | 6.0 46.0 8.0 6.0 28.0 Uncoordinated Yes Simult, Gap E/W On Yellow 4.0 0.0 4.0 4.0 0.0 4.0 Force Mode Fixed Simult Gap N/S On Red 1.0 0.0 1.0 1.0 0.0 1.0 **Timer Results** EBL EBT WBL WBT NBL NBT SBL SBT Assigned Phase 7 4 3 8 5 2 6 Case Number 2.0 3.0 2.0 4.0 2.0 3.0 2.0 4.0 Phase Duration, s 13.0 33.0 19.0 39.0 64.0 24.0 510 11.0 Change Period, (Y+Rc), s 5.0 5.0 0.0 5.0 0.0 5.0 5.0 5.0 Max Allow Headway (MAH), s 3.1 3.1 3,1 3.1 3.1 3.1 3.1 3.1 Queue Clearance Time (g\*), s 6.7 9.9 19.5 16.4 25.3 16.3 4.0 43.3 Green Extension Time ( $g_{e}$ ), s 0.0 1.1 0.0 1.0 0.0 4.5 0.0 16 Phase Call Probability 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 Max Out Probability 1.00 0.00 1.00 0.01 1.00 0.22 1.00 1.00 **Movement Group Results** EB WB NB SB Approach Movement L R L R L T R R L, Assigned Movement 7 14 3 8 18 5 12 6 16 Adjusted Flow Rate (v), veh/h 132 138 Ó 482 235 247 639 614 191 625 57 597 Adjusted Saturation Flow Rate (s), veh/h/ln 1730 1870 1585 1730 1870 1754 1730 1766 1548 1730 1856 1769 Queue Service Time ( g s ), s 7.9 0.0 17.5 4.7 14.2 14.4 23.3 14.3 9.6 2.0 41.1 41.3 Cycle Queue Clearance Time $(g_c)$ , s 4.7 7.9 0.0 17.5 14.2 14.4 23.3 14.3 9.6 2.0 41.1 41.3 Green Ratio (g/C) 0.06 0.22 0.22 0.150.27 0.27 0.190.46 0.05 0.460.360.36 Capacity (c), veh/h 218 412 349 518 501 470 654 1641 719 163 672 641 Volume-to-Capacity Ratio (X) 0.604 0.335 0.000 0.930 0.4940.501 0.978 0.374 0.266 0.3460.9290.932Back of Queue (Q), ft/In (95 th percentile) 98.2 166.9 359.7 271.7 258.1 470 252.3 158.1 40.5 754.7 715.2 Back of Queue (Q), veh/ln (95 th percentile) 3.9 6.6 0.0 142 10.7 10.3 18.5 9.9 6.2 1.6 29.5 28.6 Queue Storage Ratio (RQ) (95 th percentile) 0.00 0.00 0.00 0.000.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 Uniform Delay ( d r ), s/veh 58.0 41.7 0.0 53.3 39.2 39.3 51.2 22.0 20.8 58.6 38.9 39.0 Incremental Delay (d2), s/veh 3.3 0.2 0.0 23.3 0.3 0.3 29.4 0.1 0.1 0.5 19.1 20.3 Initial Queue Delay ( d 3), s/veh 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.00.0 Control Delay (d), s/veh 61.3 41.8 0.0 76.6 39.5 39.7 80.7 22.1 208 59.1 58.1 59.3 Level of Service (LOS) E E D C Ε Ë Approach Delay, s/veh / LOS 51.3 D 58.1 E 47.8 D 58.7 F Intersection Delay, s/veh / LOS 54.1

Multimodal Results

Pedestrian LOS Score / LOS

Bicycle LOS Score / LOS

2.50

WB

C

A

ΕB

C

Ā

2.63

0.93

2.44

1.54

SB

B

В

NB

В

₿

2.46

1.68

	Su Charle	HUS	57 Sig	nanz	ea in	tersec	nou:	Kesu	lits Su	mma	ry	SECONOMIC PROPERTY.	- 10 to 15 to	Difference.	NZ SET SHOP
											111111				
General Inform	nation								Interse	-	-		_	11131	
Agency		Solaegui Engineen	5						Duration		0.25	0	_		
Analyst		MSH		Analy	sis Dat	e Aug			Area Ty	pe	Othe	H .	<u> </u>		
Jurisdiction		NDOT		Time	Period	PMP	eak Ho	ur	PHF 0.92						C
Urban Street				Analy	sis Yea	er Existi	ing + Pr	oject	Analysis	Period	1> 7	:00	7		•
Intersection		Pyramid & La Posa	ida	File N	lame	PyEc	21pw.xt	JS			1	55++	2		
Project Descrip	tion						o et les	Manager 17						14144	1-7
Demand Inform	nation		T IN		EB			W	B		NB			SB	
Approach Move	ement				T	R	1	Ti		T	T	R	TI	TT	R
Demand (v), v	-			94	188		361			801	-	_	-	739	87
		TO SHE WAS TOO								1 00	3.5.	330		133	01
Signal Informa	tion			-	TT		Z	7-2		5.1	S 100		SECTION S	De Real	318451
Cycle, s	117.0	Reference Phase	2	ą S	×		120	12	4	<b>利</b>	+		D	1	
Offset, s	0	Reference Point	End		1			ri_	_		145	9,03		7	$\boldsymbol{\zeta}$
Uncoordinated	Yes	Simult. Gap E/W	On	Green		19.0	31.0			28.	Acres de la constitución de la c	100		o non	5
Force Mode	Fixed	Simult. Gap N/S	-	Yellow	1.0	10.0	4.0	4.0	The second second second	4.0		<b>`</b>	₽ L		7
Force Mode	rixea	Simuit. Gap N/S	On	Red	j 1.0	0.0	] 1.0	1.0	10.0	1.0	130	1 1 1	0		10.00
Timer Results		<b>9</b>	1000			EDI	V\$57/15-2		MATOR	PART SA	NE W	NO.		EDYSM	
Assigned Phase				E81		EBT	WB	FL	WBT	NB	<u> </u>	NBT	SB	L	SBT
Assigned Phase Case Number			7		4	3		88	5		2	1		6	
The second secon			2.0		3.0	2.0		4.0	2.0		3.0	2.0	-	4.0	
Phase Duration	-			11.0		33.0	15.0		37.0	33.	~	55.0	14.0		36.0
Change Period.	AND DESCRIPTION OF THE PERSON NAMED IN	CONTRACTOR OF THE PERSON NAMED IN COLUMN 2		5.0		5.0	0.0 5.0		5.0	0.0		5.0	5.0		5.0
Max Allow Head		CHILDREN CO.		3.1		3.1	3.1 3.1		3.1	3.1		3.1	3.1		3.1
Queue Clearan	ACCOUNT OF THE PARTY.	ALCOHOLOGICAL STREET,		5.4		12.9	15.1	15.1 15.4		30.3		29.8			29.2
Green Extensio		(ge), \$		0.0		1.2	0.0		1.1	0.8		0.2	0.0		1.2
Phase Call Prol	bability			1.00	)	1.00	1,00	0	1.00	1.0	0	1.00	1.00	)	1.00
Max Out Probat	bility			1.00	)	0.00		)	0.01	1.0	)	1.00		)	1.00
								THE PARTY				The Wall			100
Movement Gro	up Res	ults			EB			WB			NB			SB	
Approach Move	ment			L	Т	l R	L	T	R	L	T	Ŕ	L	T	R
Assigned Move	ment			7	4	14	3	8	18	5	2	12	1	6	16
Adjusted Flow F	Rate (v	), veh/h		102	204	0	392	251	239	871	1036	373	186	446	430
Adjusted Satura	ition Flo	w Rate (s), veh/h/l	n	1730	1870	1585	1730	1870	1749	1730	1766	1547	1730	1856	178
Queue Service		THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.		3.4	10.9	0.0	13.1	13.2		28.3	27.8	21.3	6.1	27.2	27.
Cycle Queue Ci	earance	Time $(g_c)$ , s		3.4	10.9	0.0	13.1	13.2		28.3	27.8	21.3	6.1	27.2	27.
Green Ratio ( g		manager of the second		0.05	0.24	0.24	0.13	0.27	0.27	0.28	0.43	0.43	0.08	0.26	0.2
Capacity ( c ), v				177	448	379	443	512	478	976	1510	661	266	492	474
Volume-to-Capa	-	tio (X)		0.576	0.457	0.000	0.885	0.491	in francisco contractor con	0.892	0.686	0.564	0.699	0.907	0.90
The second secon	CONTRACTOR OF THE PARTY OF	In ( 95 th percentile)		70.1	219.8	Acres and annual	278	254.2	-	484.4	Distribution.	312.5	131.9	544.2	517
THE RESERVE AND PERSONS ASSESSED.	-	h/ln ( 95 th percenti		2.8	8.7	0.0	10.9	10.0		19.1	17.2	12.3		-	·
		RQ) (95 th percent		0.00	0.00	0.00	0.00	0.00	+				5.2	21.3	20.
Uniform Delay (		A STATE OF THE PARTY OF THE PAR	ne)		-		-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Incremental Del		ALANE A CONTRACTOR OF THE PARTY		54.3	38.0	0.0	50.2	35.7	35.8	40.3	27.1	25.3	52.7	41.6	41.1
THE RESERVE AND ADDRESS OF THE PERSON NAMED IN COLUMN TWO	THE RESERVE AND ADDRESS OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS	and the same of th		3.0	0.3	0.0	18.2	0.3	0.3	10.1	1.1	0.7	6.7	20.0	20.6
Initial Queue De		(And a proper to the contract of the contract		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (		an		57.2	38.3	0.0	68.3	35.9	36.1	50.4	28.2	26.0	59.3	61.6	62.2
Level of Service		(100		_E_J	D	1	E	D	D	D	C	C	E	E	E
Approach Delay		A STATE OF THE STA		44.6	L_	D	50.4		D	36.3		Ď	61.5		E
Intersection Del	ay, s/ve	h/LOS	1	The state of	and the	45	5.5	a summer					D		
是阿瑟克里		DW STATE OF THE ST		-Nas-116	200	311	nksližnas								
Multimodal Res		1.00		EB W6							SB				
Pedestrian LOS	Score /	LOS	5	2.66		С	2.48		В	2.46		В	2.45		В
Bicycle LOS Sc				0.99		Α	1.22						-		

		AND THE STATE OF THE STATE OF		231	ME LIN	112 15		U-U-U	90546		THE WO	EENESS			24.0
General Inform	nation		OSRIPE	A ALLES	5131,23				Interse	otion la	famual			Jake.	100 APRIL 1
Agency	ICCLICATI	Solaegui Engineers							-	-			- 1		
Analyst		MSH		TA-sh	unia Dat	10	24 000		Duration	-	0.25	-			
Jurisdiction				-			23, 202	-	Area Ty	pe	Othe				*
		NDOT	-		Period		Peak Hour PHF			-	0.92				<u> </u>
Urban Street				-	sis Yea	_	Base Analysis			Period	1>7	:00			
Intersection		Pyramid & La Posa	ida	File N	lame	PyEc	:50əx.xı	IS						1111	7
Project Descrip	tion	CONTRACTOR OF THE PARTY OF THE	OLS SHOW	NAME OF TAXABLE PARTY.		ero-estima.			INVINENTIAL PROPERTY AND ADDRESS OF THE PARTY		Married Marrie			ণুৰ চৰ্ণ	11:0
Demand Inform	nation				EB			160			NB				
Approach Move				+-	TT	0	R L T		R		-	-		SB	7 0
Demand (v), v	-			185	192	-				1	T	R	-	I I	R
Demand ( 1 ), 1	C14/11		15-75	100	192	0	682	2 58	1 140	885	870	310	80	1535	24
Signal Informa	tion			7			T II		1 100	SEPERAL PROPERTY AND PROPERTY A	e 180	150 <b>5</b> 155 (8)	odobnika si	200	
Cycle, s	162.0	Reference Phase	2	1	2		121	12	<u>_</u>	爿	$\Rightarrow$		ta	_	
Offset, s	0	Reference Point	-		1	1 1	71	7		· F				150	V
Uncoordinated	Yes	Simult. Gap E/W	End On	The second second second	1 8.0	20.0	67.0			28.		220		1577 W	
			-	Yellov	The state of the last of the l	0.0	4.0	4.0	0.0	4.0	- Park - 2 -	7 4	1 .	1	
Force Mode	Fixed	Simult. Gap N/S	Qп	Red	1.0	0.0	1.0	1.0	0.0	1.0	1-010	4	6		
Timer Results				EB		EBT	WE		WBT	NB		NDT	CO		ODT.
Assigned Phase				7		4	3	_	8	-		NBT	SB	-	SBT
Case Number					_	-	1			5		2	1		6
			2.0		3.0	2.0	****	4.0	2.0		3.0	2.0	-	4.0	
Phase Duration, s Change Period, ( Y+R c), s			15.		33.0	24,	-	42.0	33.		92.0	13.		72.0	
The second liverage and the se	Marketon and the same	CONTRACTOR OF THE PERSON NAMED IN COLUMN 2 IS NOT THE PERSON NAMED	(18 <del>4</del>	5.0	-	5.0	Name of the Party		5.0 3.1	0.0	-	5.0	5.0		5.0
Max Allow Head		the state of the s		3.1		3.1	-	3.1		3.1		3.1	3.1		3.1
Queue Clearand		Control of the Party of the Par		11.		18.8	26.0		35.2	35.0 0.0		29.4	6.0		69.0
Green Extension		(ge), \$		0.0		1,5	0.0		- 1			12.8	0.0		0.0
Phase Call Prot				1.00	0	1.00	1.0	0	1.00	1.0	0	1.00	1.0	0	1.00
Max Out Probab	Dility			1.0	0	0.11	1.00	0	1.00	1.00	0	0.07	1.00		1.00
WE SHAW					4.1.10										N 3/L
Movement Gro	-	ults			ĘB		1	WB			NB			SB	
Approach Move	77777			<u> </u>	T	R	L_L	T	R	L	T	R	L	Т	R
Assigned Mover		~		7	4	14	3	8	18	5	2	12	1	6	16
Adjusted Flow R				201	209	0	741	391	365	962	946	310	87	952	948
		w Rate (s), veh/h/li	n	1730	1870	1585	1730	1870	1738	1730	1766	1551	1730	1856	176
Queue Service	Marie San Printers and Parket Street	The state of the s	-	9.4	16.8	0.0	24.0	33.1	33.2	33.0	27.4	18.7	4.0	67.0	67.0
Cycle Queue Cl		Time (g a), s		9.4	16.8	0.0	24.0	33.1	33.2	33.0	27.4	18.7	4.0	67.0	67.0
Green Ratio ( g/				0.06	0.17	0.17	0.15	0.23	0.23	0.20	0.54	0.54	0.05	0.41	0.4
Capacity ( c ), ve	eh/h			214	323	274	512	427	397	705	1897	833	171	767	730
/olume-to-Capa	city Rat	tio (X)		0.942	0.646	0.000	1.446	0.916	0.920	1.365	0.498	0.372	0.509	1.241	1.29
Back of Queue (	Q), ft/I	n ( 95 th percentile)		237.5	331.5	0	1001.	648.9	607.7	1197.	435.5	284.1	82	2022.1	· Danis
Zask of Ounce /	(O)	h/ln ( 95 th percentil			40.4		3		<u> </u>	6					
		RQ) (95 th percenti		9.4	13.1	0.0	39.4	25.5	24.3	47.1	17.0	11.2	3.2	79.0	84.0
Juleue Storage   Juliform Delay (	Control of the last of the las	THE RESERVE OF THE PARTY OF THE	ne)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
THE RESERVE OF THE PARTY OF THE				75.7	62.4	0.0	69.0	61.0	61.0	64.5	23.7	21.7	75.1	47.5	47.5
ncremental Dek		Attended to the same of the sa		44.9	3.5	0.0	211.7	23.9	25.8	173.4	0.1	0.1	1.1	119.4	144.
nitial Queue De				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay ( a		Π		120.6	65.8	0.0	280.7	84.9	86.8	237.9	23.8	21.8	76.1	166.9	191.
evel of Service	-	100		F	E		F	F	F	F	C	С	E	F	F
pproach Delay,				92.7		F	182.	3	F	116.4	4	F	174.	7	F
ntersection Dela	ıy, s/vel	THE RESERVE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAME				14	9.9		2000				F		
Audding a de L.D.												200	w.		(9)
fultimodal Res		100			EB		ļ	WB			NB			SB	
	Score /	LUS	1	2.65	1	C	2.52		C	2.46		В	2.44	-	В
Pedestrian LOS Bicycle LOS Sco	-	THE RESERVE THE PARTY OF THE PA		1,16	-	Ā	1.72	And the second	В	2.32		В	-		the same of the same

General Infon	mation		100	165 34		Water Control	13 PY		Intersec	tion led	ione all	OB	For Land	14,45	4
Agency	Hanon	Solaegui Engineers							Duration		0.250		- 1	1.11	
Analyst	-	MSH		TAnahu	in Date	Aug 2	2 2024		-	-	-	-	- 3		
Jurisdiction		NDOT	-	Time f		-	s, zozi eak Hoi	_	Area Typ PHF	je	Other		- 3		-
Urban Street		NOOT		-	sis Year			-		Dadad	0.92	00			13
Intersection	-	Pyramid & La Posa	da	File Na		-	oase SOpx.xu		Analysis	renog	1> 7;	00	- 3		
Project Descrip	otion	ryidiniu di La rusa	ng.	Title IV	ame	PYEC	исхорх	S			بمنتصب		-	1111	
r roject Descri	JUO11	Walter State of State	STORES.		WATER OF			S-/5-20	THE RES	SHEE	W. David	To year	- Annous	na masin	enes Marie
Demand Infor	mation	Section And the Section of the Secti		1	EB			WE			NB			SB	as hou
Approach Mov				1	T	R	T	TT	R	1	T	T R	+-	T	l R
Demand (v),				143	288	0	556	-		1189	-	_	-	1138	The Commenter
					200		350					3   000	203	1100	10
Signal Inform	ation			T		7	21.			N	人間				
Cycle, s	144.0	Reference Phase	2	1	7	7.4	- 1	5	4	涅		<b>\</b>	D	1	
Offset, s	0	Reference Point	End	Green	120	240		170	-	130			14		V
Uncoordinated	Yes	Simult. Gap E/W	Qπ	Yellow		0.0	45.0	7.0 4.0	7.0	28.0	-		8, 1		4
Force Mode	Fixed	Simult, Gap N/S	On	Red	1.0	0.0	1.0	1.0	0.0	1.0	0.25	1.	-10	-	HPME:
Timer Results				EBI		EBT	WB	L	WBT	NB	L	NBT	SB		SBT
Assigned Phas	se			7		4	3		8	5		2	1		6
Case Number				2.0		3.0	2.0		4.0	2.0		3.0	2.0		4.0
Phase Duration	N, \$	7864		12.0		33.0	19.0		40.0	42.0		74.0	18.0	5	50.0
Change Period	1, ( Y+R	e), \$		5.0	T	5.0	0.0		5.0	0.0		5.0	5.0		5.0
Max Allow Hea	The same of the sa			3.1	-	3.1	3.1		3.1	3.1	1	3.1	3.1		3.1
Queue Clearai	e Clearance Time ( g s ), s					25.3	21.0	)	31.5	44.0	)	63.8	13.8	3	47.0
Green Extensi	n Extension Time ( $g_{\mathscr{E}}$ ), s					8.0	0.0		0.0	0.0		0.0	0.0	· · · · · · · · · · · · · · · · · · ·	0.0
Phase Call Pro	e Call Probability					1.00	1.00	2	1.00	1.00	-	1.00	1.00		1.00
Max Out Proba	ability			1.00		1.00	1,00		1.00	1.00	0	1.00	1.00	5	1.00
Manager and Co															
Movement Gr Approach Mov	-	AUITS		ļ	EB			WB	1 5		NB			SB	
Assigned Move				L_	I	R	L		R	L_	T	R	<u> </u>	T	i R
The second secon		V confis (fo		7	4	14	3	8	18	5	2	12	1	6	16
Adjusted Flow	The latest and the la	Contract to the Contract of th		155	313	0	604	397	369	1292	1596	603	286	690	666
72077		w Rate (s), veh/h/h	<u> </u>	1730	1870	1585	1730	1870	1734	1730	1766	1549	1730	1856	178
Queue Service		Constitution of the last of th		6.4	23.3	0.0	19.0	29.4	29.5	42.0	61.8	47.8	11.8	45.0	45.0
		e Time (g∠), s		6.4	23.3	0.0	19.0	29.4	29.5	42.0	61.8	47.8	11.8	45.0	45.0
Green Ratio ( ¿ Capacity ( c ),	-			0.05	0.19	0.19	0.13	0.24	0.24	0.29	0.48	0.48	0.09	0.31	0.3
Volume-to-Cap		tio (V)		168	364	308	456	455	422	1009	1693	742	312	580	558
The second secon		tio(X) In(95 th percentile)	-	0.924	The second	0.000	1.324	The second second	-	1.281	0.943	0.813	0.915	1.189	-
pack or guene	· ( \( \alpha \), IV	iu ( ap tu beloeutiis)		180.4	472	0	725.9	565.4	528.5	1366. 2	950.7	658.7	270.2	1338	1282
Back of Queue	(Q) ve	eh/in ( 95 th percentil	e)	7.1	18.6	0.0	28.6	22.3	21.1	53.8	37.1	25.9	10.6	52.3	51.3
		RQ) (95 th percenti		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Uniform Delay			-	68.2	56.1	0.0	62.5	52.4	52.4	51.0	35.6	32.0	65.0	49,5	49.5
Incremental De				47.2	17.7	0.0	160.5	16.3	17.7	134.1	11.0	6.4	29.6	101.6	104.
Initial Queue D				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (	-	The Second Secon		115.4	73.9	0.0	223.0		70.1	185.1	46.6	38.4	94.6	151.1	154.
Level of Service	The state of the s			F	E		F	É	E	F	0	30.4 D	94.0 F	F F	104.
Approach Dela		LOS		87.6		F	137.		F	96.4		F	142.0		F
Intersection De	Tribula de la companya del la companya de la compan	Committee of the Commit				114	-		•	50.4			142.1 		<u> </u>
		Name of the latest the								THE EAST					( A )
Multimodal Re	sults			-	EB	20-11-11-1	(Martine Sales)	WB		- Continues	NB	-101/12/2019		SB	
Pedestrian LOS	S Score	LOS		2.68	-	С	2.49		В	2.46		В	2.45		В
					4										_

		HCS	7 Sig	naliz	ed Int	tersec	tion	Res	ults S	um	mar	y				
						X										211
General Inform	nation								Inters	ectio	on Inf	ormati	on		1474;	
Agency		Solaegui Engineers		-			-		Durat	on, h	1	0.250	)		* * *	
Analyst		MSH		Analy	sis Dat	e Aug	23, 202	1	Area	Гуре		Othe	r	1.3		2.
Jurisdiction		NDOT		Time	Period	AM F	eak Ho	ur	PHF			0.92	0.000	135		
Urban Street				Analy	sis Yea	r 2050 Proje	Base + ct		Analy	sis P	eriod	1> 7:	00	7		
Intersection		Pyramid & La Posa	da	File N	ame	PyEc	50aw.x	JS	f					_	THE TANK	177
Project Descrip	tion							-						7		
	<b>2025</b>															
Demand Infon	mation			1	EB			V	VB			₩B			SB	S DE V
Approach Move	ement			I L	T	R	L		Т	R	L	T	R	L	ĪΤ	R
Demand (v), v	reh/h			186	194	0	682	5	82 1	40	898	870	310	80	1535	249
Signal Informa	ation						TU			Maj.		r let			12000	Arrisa Ja
Cycle, s	162.0	Reference Phase	2	1	1 - 1			L	· 4	Ė	L			12		
Offset, s	0	Reference Point	End	1	11	1					F	100	3.00			<b>T</b>
Uncoordinated	Yes	Simult, Gap EAW	On	Green		20.0		-	0.0 9		28.0	100				5
Force Mode	Fixed	Simult. Gap N/S	On	Yellov	1.0	0.0	1.0	1.		0.0	4.0	F - 1/9	<b>`</b>	J.,	_	
1 Croe wlode	rixed	Simult. Gap N/S		Lited	11.0	10.0	1.0		0 0	.0	1.0		1 2	ă.	71	Salt in
Timer Results				ЕB		EBT	WE	il I	WBT		NBI		MOT	CO		ĆDT.
Assigned Phas				7	-		3	-		-			NBT	SB		SBT
Case Number	4				-+-	3.0	-	-	8	+	5	-	2	1	-	6
Phase Duration				2.0		3.0	2.0		4.0		2.0		3.0	2.0		4.0
THE PERSON NAMED IN COLUMN TWO	od, ( Y+R c ), s eadway ( <i>MAH</i> ), s		15.0 5.0	-	33.0 5.0	0.0		42.0 5.0	+	33.0	Samuel Circles	92.0	13.		72.0	
The second secon	THE REAL PROPERTY.	TOTAL CONTRACTOR OF THE PARTY O		3.1		3.1	3.1	-		-	0.0		5.0	5.0		5.0
Queue Clearan		The second secon	-	11.4		19.0	26.		3.1	-1-	3.1		3.1	3.1	_	3.1
		Charles and the same of the sa		-	-		4	-	35.3	+	35.0	-	29.4	6.0	·	69.0
Green Extension Phase Call Pro	-	(ge), \$	-	0.0	**********	1.5	0.0		0.0		0.0	- Digmen	12,8	0.0	-	0.0
				1.00		1.00	1.0		1.00	-	1.00		1.00	1,0		1.00
Max Out Proba	Dility			1.00	NASA BEN	0.12	1.0		1.00		1.00	No seeds	0.07	1.0		1.00
Movement Gro	oup Res	ults	Acres de la		ЕB			W	3			NB			SB	
Approach Move	ment	-	-	L	T	R	L	T	R	1	L	T	R		T	R
Assigned Move	ment			7	4	14	3	8	18	1	5	2	12		6	16
Adjusted Flow I	Rate ( v	), veh/h		202	211	0	741	392	week-		976	946	310	87	953	948
The second secon		w Rate (s), veh/h/h	1	1730	1870	1585	1730	187			730	1766	1551	1730	1856	1765
Queue Service	Time (g	7 s ), S	**	9.4	17.0	0.0	24.0	33.		-	33.0	27.4	18.7	4.0	67.0	67.0
Cycle Queue C	learance	Time $(g_{\sigma})$ , s		9.4	17.0	0.0	24.0	33.			33.0	27.4	18.7	4.0	67.0	67.0
Green Ratio ( g	/C)	- Annual Control of the Control of t		0.06	0.17	0.17	0.15	0.23	_	-	0.20	0.54	0,54	0.05	0.41	0.41
Capacity ( c ), v	eh/h			214	323	274	512	427		_	705	1897	833	171	767	730
Volume-to-Capa	acity Rai	tio (X)	-	0.947	0.652	THE REAL PROPERTY.	1.446	0.91	No. of Concession,		.385	0.498	0.372	0.509	1.242	1.299
Back of Queue	(Q),ft/	in (95 th percentile)		239.7	-	0	1001. 3	650.	-	6	-	435.5	284.1	82	_	2102.7
Back of Queue	(Q), ve	eh/in ( 95 th percentil	e)	9.4	13.2	0.0	39.4	25.6	3 24.4	1	48.5	17.0	11.2	3.2	79.1	84.1
The second secon		RQ') (95 th percenti	-	0.00	0.00	0.00	0.00	0.00	marija ramini	risa@ave	0.00	0.00	0.00	0.00	0.00	0.00
Uniform Delay (		Married William Co. Co.	~/	75.7	62.5	0.0	69.0	61.0	_		34.5	23.7	21.7	75.1	47.5	47.5
Incremental Del	-			46.2	3.7	0.0	211.7	24.		_	82.1	0.1	0.1	1.1	119.6	144.7
Initial Queue De	-			0.0	0.0	0.0	0.0	0.0	-	s	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (	-	THE RESERVE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COL		121.9	66.1	0.0	280.7	85.1	-		46.6	23.8	21.8	76.1	167.1	192.2
Level of Service	THE RESERVE AND ADDRESS OF THE PERSON NAMED IN	Market Committee		F	E	-	F	F.	F	+	F	C C	C C	10.1	107.1	192.Z
Approach Delay		LOS		93,4	-	F	182.		<del>-  </del>	+	121.0	-	F	175.		F
Intersection Del	_	The same of the sa					1.7			Ť	1441.0			F 175.		
<b>表示是</b>			203						E VAL	STEE STEE	SHARE					
Multimodal Re	sults				EB			WE		1		NB	and the local division in		SB	
Pedestrian LOS	Score /	LOS		2.65		C	2.52		С	-	2.46	WA-	В	2.44	CAPTURE MARRIED	В
Bicycle LOS Sc	ore / LO	S		1.17		A	1.72	2	В	1	2.33		В	2.13		В

		HCS	7 Sig	naliz	ed Int	ersec	ction	Resu	lts Su	mmai	гу				
General Inform	nation								Interse		formati	on		200	
Agency		Solaegui Engineen	S	-					Duration	n, h	0.25	0		4+4	
Analyst		MSH		Analy	rsis Date	e Aug	23, 202	1	Area Ty	pe	Othe	<b>:</b>	5-		
Jurisdiction		NDOT		Time	Period	PMF	<sup>o</sup> eak Ho	ur	PHF	···········	0.92		3		=
Urban Street				Analy	sis Yea	Proje	Base +		Analysis	Period	1> 7	:00			
Intersection		Pyramid & La Posa	ida	File N	lame	-	50pw.xt	us					- I		
Project Descrip	otion		-	-											
Demand Infor	mation		- A 11		EB			W			NB			\$B	
Approach Mov	ement	Company of the same of	**********	i L	TT	R		T	- margaret and the		T	R	+	7	R
Demand (v), v				144	289		556			-		-		-	_
				Annie 1								0 1 000	203	1130	1,00
Signal Informa	ation			T			124	T	-	K.J	N. C		, 10°8, A 5		
Cycle, s	144.0	Reference Phase	2	1	7			7	1	凡		`	D		0.007
Offset, s	0	Reference Point	End	<b>L</b>	1 1	- -]	American A	Ц.,		$ \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	_		$\mathbf{J}_{+}$	3	V
Uncoordinated	Yes	Simult, Gap E/W	Qn	Yellov	1 13.0	0.0	45.0	7.0		28. 4.0	100,000	. ,	4		4
Force Mode	Fixed	Simult. Gap N/S	Qn	Red	1.0	0.0	1.0	1.0		1.0		1.	•	<b>-</b>	
									ALCENIE.						B 500
Timer Results	II			EB	L	EBT	WE	3L	WBT	NB	L	NBT	SB	L	SBT
Assigned Phas	e			7		4	3		8	5		2	1		6
Case Number				2.0		3.0	2.0		4.0	2.0		3.0	2.0		4.0
Phase Duration	1, S			12.	0	33.0	19.	0	40.0	42.	- Person	74.0	18.		50.0
Change Period	(Y+R	c), S		5.0	)	5.0	0.0		5.0	0.0	The same of the same of	5.0	5.0		5.0
Max Allow Hea				3.1	-	3.1	3.1	-	3.1	3.1		3.1	3.1	-	3.1
Queue Clearan				8.5		25.4	21.		31.6	44.1		63.8	13.	Minimum and the last	47.0
Green Extension		AND A COMPANY OF THE PARTY OF T		0.0		0.8	0.0		0.0	0.0		0.0	0.0		0.0
Phase Call Pro	The second second		*	1.0		1.00	1.0	-	1.00	1,00	-	1.00	1.0	-	1.00
Max Out Proba	bility			1.0	0	1.00	1.0	0	1.00	1.00		1.00	1.0		1.00
				NAME OF THE OWNER, OWNE							entral entral	A STORES	ALC: N	13000	
Movement Gro	the same of the last	ults			EB	Sal Marian Inc.	and	WB			NB		1	SB	
Approach Move				L	T	R	L	T	R	L	T	R	L	T	R
Assigned Move				7	4	14	3	8	18	5	2	12	1 1	6	16
Adjusted Flow I		Control of the second s		157	314	0	604	398	370	1324	1596	603	286	691	669
THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.	The second second	w Rate (s), veh/h/l	'n	1730	1870	1585	1730	1870	1735	1730	1766	1549	1730	1856	1785
Queue Service		and the first of the second se		6.5	23.4	0.0	19.0	29.5	29.6	42.0	61.8	47.8	11.8	45.0	45.0
Cycle Queue C		e Time ( $g_{arepsilon}$ ), s		6.5	23.4	0.0	19.0	29.5	29.6	42.0	61.8	47.8	11.8	45.0	45.0
Green Ratio ( g	-			0.05	0.19	0.19	0.13	0.24	0.24	0.29	0.48	0.48	0.09	0.31	0.31
Capacity (c), v		- Course		168	364	308	456	455	422	1009	1693	742	312	580	558
Volume-to-Capa		The state of the s		0.931	0.864	0.000	1.324	0.876	0.878	1.312	0.943	0.813	0.915	1.192	1.199
Back of Queue	(Q), ft/	In ( 95 th percentile)		183.1	474.7	0	725. <del>9</del>	568.1	531.1	1445.	950.7	658.7	270.2	1343.9	1288.4
Back of Queue	(Q), ve	eh/ln ( 95 th percenti	le)	7.2	18.7	0.0	28,6	22.4	21.2	3 56.9	37.1	25.9	10.6	52.5	51.6
		RQ) (95 th percent		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0,00	0.00	0.00
Uniform Delay (	The Real Property lies	A STATE OF THE PARTY OF THE PAR		68.3	56.2	0.0	62.5	52.4	52.5	51.0	35.6	32.0	65.0	49.5	49.5
Incremental Del				48.9	18.1	0.0	160.5	16.6	18.0	147.6	11.0	6.4	29.6	102.5	105.9
Initial Queue De		THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (	-			117.1	74.3	0.0	223.0	69.0	70.5	198.6	46.6	38.4	94.6	152.0	155.4
Level of Service				F	E		F	E	E	F	D	D	54.0 F	F	F
Approach Delay	-	LOS		88.5	-	F	137.	-	F	102.3	-	F	143.	-	F
Intersection Del							7.9			-02.4			F 143.		
			(9)35			567			Miles						
Multimodal Re		1.00		market have	EB			WB			NB			SB	
Pedestrian LOS	-			2.68	-	C	2.49		В	2.46	_	₿	2.45		В
Bicycle LOS So	aus ( LQ	3		1.26		Α	1.62	Ц.	В	3.39		С	1.85	<u> </u>	В

## **HCS7 Signalized Intersection Results Summary**

A Section								2000							
General Inform	nation	7							Intersec	tion Inf	formati	on			
Agency		Solaegui Engineers							Duration	i, h	0.250	)	1	* + + >	
Analyst		MSH		Analys	sis Date	e Aug 2	3, 2021		4rea Typ	)¢	Other		-27		-
Jurisdiction		NDOT		Time F	Period	AM P	eak Hou	ur I	PHF		0.92		<b>%</b> →		
Urban Street				Analys	sis Year	2050	Base		Analysis	Period	1> 7:	00			
Intersection		Pyramid & La Posa	dæ	File N	ame	PyEc	50axl2.x	(US						5544	
Project Descrip	tion	w/Improvements	-					-		~			7	4144	5.5
										15 C 20	10 m				
Demand Inform	mation				ĖВ			WE	}	1	NB			SB	
Approach Move	ement			L	T	R	L	T	R	L	T	R	L	T	R
Demand (v), v	/eh/h			185	192	0	682	581	140	885	870	310	80	1535	248
Signal Informa			,	-	1 7		W.	2		잌	$\succeq$				162
Cycle, s	139.0	Reference Phase	2		15	1 71	2 1	7	1		. 100		r		V
Offset, s	0	Reference Point	End	Green	6.0	25.0	48.0	9.0	3.0	28.0	0			100	
Uncoordinated	Yes	Simult, Gap E/W	On	Yellow	and the second second	0.0	4.0	4.0	0.0	4.0		\ <	<b>A</b>	1	7
Force Mode	Fixed	Simult. Gap N/S	On	Red	1.0	0.0	1.0	1.0	0.0	1.0	Le	10		1	1 SA 1
						207									
Timer Results	-			EBI		EBT	WB	L	WBT	NB	L	NBT	SBU		SBT
Assigned Phas	e			7		4	3		8	5		2	1		6
Case Number				2.0		3.0	1.1		4.0	2.0		3.0	1.1	1	4.0
Phase Duration				14.0	0	33.0	17.0	0	36.0	36.0	D	78.0	11.0	) [	53.0
Change Period	CARL STREET, S	The second secon		5.0		5.0	0.0		5.0	0.0		5.0	5.0		5.0
Max Allow Hea				3.1		3.1	3.1		3.1	3.1		3.1	3.1		3.1
Queue Clearan		the state of the s		10.0	-	15.9	19.0		30.7	38.0	) [	26.1	4.2		50.0
Green Extension		(ge), s		0.0		1.7	0.0		0.1	0.0		12.8	0.0		0.0
Phase Call Pro	-			1.00	-	1.00	1.00	0	1.00	1.00	)	1.00	1.00	}	1.00
Max Out Proba	bility		and the second	1.00		0.04	1.00	0	1.00	1.00	)	80.0	1.00	)	1.00
Movement Gro	NIE Das		Section 1		F.C.	500		14.63	2.00				920		-
Approach Move	-	ouns		L	EB	R		WB	1 2		NB	-		SB	-
Assigned Move	************		-	·	·		L	T	R	L L	T	R	L	T	R
Adjusted Flow		V rach th		7	4	14	3	8	18	5	2	12	1	6	16
			le.	201	209	4505	741	391	365	962	946	310	87	1296	604
Queue Service		w Rate (s), veh/h/l	in	1730	1870	1585	1730	1870	1738	1730	1766	1551	1730	1856	1716
The second secon		The second secon		8.0	13.9	0.0	17.0	28.6	28.7	36.0	24.1	16.5	2.2	48.0	48.0
Cycle Queue C Green Ratio ( g	-	e time (gc), s		8.0	13.9	0.0	17.0	28.6	28.7	36.0	24.1	16.5	2.2	48.0	48.0
Capacity (c), v				0.06	0.20	0.20	0.34	0.22	0.22	0.26	0.53	0.53	0.39	0.35	0.35
Volume-to-Cap		tio (V)		224 0.898	377	319	764	417	388	896	1855	814	653	1282	592
The same of the sa	THE REAL PROPERTY.	In (95 th percentile)		204.7	0.554 275.4	<del></del>	0.970 310.1	CHICAGO CONTRACTOR	Andrew Control of the last	1.074	0.510		0.133	1.012	-
	******	sh/In (95 th percenti		8.1	10.8	0.0	-	592.4	556.2	782.9	383.9	251.4	41.8	907.1	897.3
THE REAL PROPERTY AND ADDRESS OF THE PARTY.	The second liverage of the second	RQ) (95 th percent				-	12.2	23.3	22.2	30.8	15.0	9.9	1.6	35.4	35.9
Uniform Delay	THE RESERVE AND ADDRESS OF THE PARTY OF THE	The second secon	uie)	0.00	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Incremental De	The second second	Contract Con	-	64.5 33.3	49.9	0.0	45.3	53.1	53.1	51.5	21.4	19.6	26.7	45.5	45.5
Initial Queue De		- Committee - Comm		-	1.1	0.0	25.2	28.7	30.8	51.9	0.1	0.1	0.0	28.1	41.8
Control Delay (				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Level of Service		A1		97.8 F	50.9	0.0	70.5	81.8	83.9	103.4	21.5	19.7	26.7	73.6	87.3
Approach Delay	Annual Property and	1108			D	12	E 76 7	F	] <u>F</u>	F	C	B	C	F	LF.
				73.9		E	76.7		E	56.8		E	75.7		E
	-	THE RESIDENCE OF THE PARTY OF T													
Intersection De	-	THE RESIDENCE OF THE PARTY OF T	V-1-14 - V-14			O.	3.9		B. PETERS		The state of	A	E SXIEURIO		SITE OF
	lay, s/ve	THE RESIDENCE OF THE PARTY OF T			EB		3,9 	WB			NR			SB	
Intersection De	lay, s/ve sults	h/LOS		2.77		C	2.65	WB	c	2.46	NB	В	2.45	SB	B

		HCS	7 Sig	naliz	ed int	ersec	tion I	Resu	ts Su	mmar	у				-
			U A					32.5		200				S. France	
General Inform	nation								Intersec	tion in	formati	on	1	14241	
Agency		Solaegui Engineers							Duration	, h	0.250	)	7 _	4114	
Analyst		MSH		Analy:	sis Date	Aug 2	3, 2021	and the same of the	Area Typ	-	Other				
Jurisdiction		NDOT		-	Period	-	eak Ho		PHF		0.92		-		
Urban Street				-	sis Year				Analysis	Period	1> 7:	00	-13-3		
Intersection		Pyramid & La Posa	da	File N			50pxi2:		unay one	. 01100		-	1		
Project Descrip	tion	w/Improvements		1		1. 1.	ovpriz.	ALDQ.							H (
Demand Inform	nation		N. C.		ЕB			WE			AID	111		OR.	
Approach Move		THE ALL THE STREET, MANAGEMENT		1	TT	T D	+	-	-	+-	NB	1 2	-	SB	7
Demand (v), v					-	R	I L	T	R	L	T	R	L	T	R
Demand (V), V	emu			143	288	0	556	584	1 146	1189	146	8 605	263	1138	131
Signal Informa	tion		- 2		TT		儿儿		TO SECTION	<u> </u>	<b>F_</b>				最灰
Cycle, s	159.0	Reference Phase	2	1	R	I No		2		尹		`	D		
Offset, s	0	Reference Point	End	1	1-0-	7.7		1	- 1	- 3	213			¥	Y
Uncoordinated	Yes	Simult. Gap E/W	On	- Green Yellow	-	0.0	44.0	8.0	7.0	29.0	3 100		L		4
Force Mode	Fixed	Simult. Gap N/S	On	Red	1.0	10.0	1.0	1.0	0.0	11.0	100	1.			
Timer Results				EB		EBT	WE	SL	WBT	NB	E	NBT	SB	L	SBT
Assigned Phas	e			7		4	3		8	5		2	1		6
Case Number				2.0		3.0	1.1		4.0	2.0		3.0	1.1		4.0
Phase Duration	), S			13.0	0	34.0	20.	0	41.0	56.0	D	93.0	12.0	0	49.0
Change Period				5.0		5.0	0.0		5.0	0.0		5.0	5.0	)	5.0
Max Allow Head	v Headway ( MAH ), s			3.1	-	3.1	3.1		3.1	3.1		3.1	3.1		3.1
Queue Clearan	learance Time ( g s ), s					28.1	22.	0	35.3	58.0		60.5	9.0		40.1
Green Extension	Clearance Time $(g_z)$ , s extension Time $(g_z)$ , s					0.0	0.0	1	0.3	0.0		13.8	0.0	Marie Laboratoria	0.0
Phase Call Pro	rtension Time ( $g_{m{e}}$ ), s				0	1.00	1.0	0	1.00	1,01		1.00	1.0		1.00
Max Out Proba	xtension Time ( $g_{\sigma}$ ), s call Probability			1.00		1.00	1.0	<del>-</del>	1.00	1.00		0.37	1.00	-	1.00
Movement Gro	oup Res	sults.			EB			WB			NB			SB	
Approach Move				T	T	R		T	R	L	T	R	-	T	Ŕ
Assigned Move	-	y was a war was a war war war war war war war war war w		7	4	14	3	8	18	5	2	12	1	6	16
Adjusted Flow f	and the second s	), veh/h		155	313	0	604	397	369	1292	1596	603	286	922	435
		w Rate (s), veh/h/h	n	1730	1870	1585	1730	1870	1733	1730	1766	1551	1730	1856	1750
Queue Service		and the second second second second		7.1	26.1	0.0	20.0	33.2	33.3	56.0	58.5	45.2	7.0	38.0	38.1
Cycle Queue Ci		and the second s		7.1	26.1	0.0	20.0	33.2	33.3	56.0	58.5	45.2	7.0	38.0	-
Green Ratio ( g		13.41		0.05	0.18	0.18	0.32	0.23	0.23	0.35	0.55	0.55	0.32	0.28	38.1
Capacity (c), v	Terrestation and			174	341	289	564	423	392	1218	1955	859	353	1027	484
Volume-to-Capa	-	tio (X)		0.893	0.918	-	-	0.938	0.941	1.061	0.816	Andrews .	-		-
Visite and the second	with the same of the same of	In ( 95 th percentile)		187	545.4	0.000	516.5	663.4	620.2	1073	846	0.703 601	0.809	0.898	0.898
		h/ln (95 th percentil		7.4	21.5	0.0	20.3	26.1	24.8	42.2	33.0	23.7	5.6	674.6 26.4	661.1
The state of the s		RQ) (95 th percent		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	00.0	0.00	26.4
Uniform Delay (		THE RESERVE AND DESCRIPTION OF THE PERSON NAMED IN COLUMN TWO		75.1	63.8	0.0	47.8	60.4	60.5	51.5	28.9	25.9	48.9	55.3	55.4
Incremental Del	-	and the second s	-,	38.5	28.3	0.0	58.4	28.2	30.4	43.5	2.6	2.2	12.3	10.3	18,9
Initial Queue De	-	The state of the s		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (	-			113.6	92.1	0.0	106.2	88.6	90.8	95.0	31.5	28.1	61.1	65.6	74,3
Level of Service				F	F	-	F	F	50.0 F	F	C	C	E E	60.0 E	14,3
Approach Delay	***********	/LOS	-	99.2	-	F	97.0		F	54.5	-	D	67.1	The same of the sa	-
Intersection Del		The second secon		50.2			3.8			V4.0			67.1		E
							2 1022					O CONTRACT	Name of the		DE THE
Multimodal Res					EB			WB			NB			SB	FIG mid
Pedestrian LOS				2.81		Ç	2.63	3	С	2.46		В	2.46		В
Bicycle LOS Sci	ore / LO	S		1.26		Α	1.62		В	3.37	-	С	1,39		Α

Project Descriptionw/ImprovementsDemand InformationEBApproach MovementLTRDemand ( $\nu$ ), veh/fr1861940Signal InformationCycle, s139.0Reference Phase25Offset, s0Reference PointEndGreen6.025.0Uncoordinated YesSimult. Gap E/WOnYellow4.00.0Force ModeFixedSimult. Gap N/SOnRed1.00.0Timer ResultsEBLEBTAssigned Phase744Case Number2.03.014.033.0Phase Duration, s14.033.014.033.0Change Period, ( $Y+Rc$ ), s5.05.05.0Max Allow Headway ( $MAH$ ), s3.13.13.1Queue Clearance Time ( $gs$ ), s10.116.1Green Extension Time ( $gs$ ), s0.01.7Phase Call Probability1.001.00Max Out Probability1.000.04Movement Group ResultsEBApproach MovementLTRAssigned Movement7414Adjusted Flow Rate ( $v$ ), veh/h2022110Adjusted Saturation Flow Rate ( $s$ ), veh/h/h173018701585	, 2021 ak Hour ase +	R 32 140 0 3.0 0 0.0	, h e	0.250 Othe 0.92 1> 7: NB T 870	000 R 310 NBT 2 3.0		SB T 1535	R	
AgencySolaegui EngineersAnalystMSHAnalysis DateAug 23,JurisdictionNDOTTime PeriodAM PeaUrban StreetAnalysis Year2050 BarrojectIntersectionPyramid & La PosadaFile NamePyEc50Project Descriptionw/ImprovementsDemand InformationApproach MovementLTRDemand ( $\nu$ ), veh/h1861940Signal InformationCycle, s139.0Reference Phase25UncoordinatedYesSimult. Gap E/WOnRed1.00.0Force ModeFixedSimult. Gap N/SOnRed1.00.0Timer ResultsEBLEBTAssigned Phase744Case Number2.03.014.033.0Phase Duration, s14.033.05.05.0Max Allow Headway ( $MAH$ ), s3.13.13.1Queue Clearance Time ( $g_s$ ), s10.116.116.1Green Extension Time ( $g_s$ ), s0.01.7Phase Call Probability1.001.00Max Out Probability1.000.04Movement Group ResultsEBApproach MovementLTRAdjusted Flow Rate ( $\nu$ ), veh/h2022110Adjusted Saturation Flow Rate ( $s$ ), veh/h/in173018701585	WEL 3	Duration Area Typ PHF Analysis  /B R 32 140 0 0.0 0 0.0 0 0.0 WBT 8 4.0	Period  L 898  28.0 4.0 1.0  NBL 5 2.0	0.250 Othe 0.92 1> 7: NB T 870	000 R 310 NBT 2 3.0	L 80	SB T 1535	R 249	
Analyst MSH Analysis Date Aug 23, Jurisdiction NDOT Time Period AM Pea Urban Street Analysis Year 2050 Ba Project Intersection Pyramid & La Posada File Name PyEc50 Barroject Description W/Improvements    Demand Information   Pyramid & La Posada   File Name   PyEc50 Barroject Description   W/Improvements	web   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   2021   202	Area Tyr PHF Analysis  /B  R  32 140  0 3.0 0 0.0 0 0.0  WBT  8  4.0	Period  L 898  28.0  4.0  1.0  NBL 5 2.0	Othe 0.92 1> 7: NB T 870	R 310	P SBI	SB T 1535	R 249	
JurisdictionNDOTTime PeriodAM PeaUrban StreetAnalysis Year2050 Be ProjectIntersectionPyramid & La PosadaFile NamePyEc50Project Descriptionw/ImprovementsDemand InformationApproach MovementLTRDemand ( $v$ ), veh/h1881940Signal InformationCycle, s139.0Reference Phase2Green6.025.0UncoordinatedYesSimult. Gap E/WOnYellow   4.00.0Force ModeFixedSimult. Gap N/SOnRed1.00.0Timer ResultsEBLEBTAssigned Phase744Case Number2.03.014.033.0Phase Duration, s14.033.05.05.0Change Period, ( $Y+Rc$ ), s5.05.05.0Max Allow Headway ( $MAH$ ), s3.13.13.1Queue Clearance Time ( $gs$ ), s10.116.1Green Extension Time ( $gs$ ), s0.01.7Phase Call Probability1.001.00Max Out Probability1.000.04Movement Group ResultsEBApproach MovementLTRAssigned Movement7414Adjusted Saturation Flow Rate ( $s$ ), veh/h/n173018701585	WE L T 682 582 48.0 9.0 1.0 1.0 WBL 3	/B R 32 140 0 3.0 0 0.0 0 0.0 WBT 8 4.0	Period  L 898 28.0 1.0 NBL 5 2.0	0.92 1> 7: NB T 870	R 310	P SBI	1535	<b>249 ♥</b>	
Urban Street         Pyramid & La Posada         File Name         PyEc50           Project Description         w/Improvements         File Name         PyEc50           Project Description         w/Improvements         EB         PyEc50           Approach Movement         L         Y         R           Demand (v), veh/h         186         194         0           Signal Information           Cycle, s         139.0         Reference Phase         2         5         5         1           Offset, s         0         Reference Point         End         Green         6.0         25.0         1         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0	WEL 3	Analysis  /B  R  32	28.0 4.0 1.0 NBL 5 2.0	NB T 870	R 310	P SBI	1535	<b>249 ♥</b>	
Project	WEL 3	/B  F R  32 140  0 3.0  0 0.0  0 0.0  WBT  8  4.0	28.0 4.0 1.0 NBL 5 2.0	NB T 870	R 310	P SBI	1535	<b>249 ♥</b>	
Project Descriptionw/ImprovementsDemand InformationEBApproach MovementLI'RDemand ( $\nu$ ), veh/fn1861940Signal InformationCycle, s139.0Reference Phase2Offiset, s0Reference Phase2Cycle, s0Vellow 4.00.0Timer ResultsEBLEBTAssigned Phase74Case Number2.03.0Thase Duration, s14.033.0Change Period, (Y+R $\varepsilon$ ), s5.05.05.0Max Allow Headway (MAH), s3.13.13.1Green Extension Time ( $g_s$ ), s10.116.1Green Extension Time ( $g_s$ ), s10.116.1Green Extension Time ( $g_s$ ), s10.01.001.00Movement Group ResultsEBApproach Movement1.001.00Adjusted Flow Rate ( $\nu$ ), veh/h202 <th colspan<="" td=""><td>WE L T 682 582 48.0 9.0 4.0 4.0 1.0 1.0 WBL 3</td><td>R 32 140 0 3.0 0 0.0 0 0.0 WBT 8 4.0</td><td>28.0 4.0 1.0 NBL 5 2.0</td><td>  T   870</td><td>R 310</td><td>P SBI</td><td>1535</td><td><b>249 ♥</b></td></th>	<td>WE L T 682 582 48.0 9.0 4.0 4.0 1.0 1.0 WBL 3</td> <td>R 32 140 0 3.0 0 0.0 0 0.0 WBT 8 4.0</td> <td>28.0 4.0 1.0 NBL 5 2.0</td> <td>  T   870</td> <td>R 310</td> <td>P SBI</td> <td>1535</td> <td><b>249 ♥</b></td>	WE L T 682 582 48.0 9.0 4.0 4.0 1.0 1.0 WBL 3	R 32 140 0 3.0 0 0.0 0 0.0 WBT 8 4.0	28.0 4.0 1.0 NBL 5 2.0	T   870	R 310	P SBI	1535	<b>249 ♥</b>
Demand InformationEBApproach MovementLYRDemand ( $\nu$ ), veh/h1861940Signal InformationCycle, s139.0Reference Phase2525.0Uncoordinated YesSimult. Gap E/WOnFindGreen6.025.0Uncoordinated YesSimult. Gap N/SOnRed1.00.0Force ModeFixedSimult. Gap N/SOnRed1.00.0Timer ResultsEBLEBTAssigned Phase742.03.0Case Number2.03.014.033.0Phase Duration, s14.033.014.033.0Change Period, (Y+R $\varepsilon$ ), s5.05.05.0Max Allow Headway (MAH), s3.13.13.1Queue Clearance Time ( $gs$ ), s10.116.1Green Extension Time ( $gs$ ), s0.01.7Phase Call Probability1.001.00Max Out Probability1.000.04Movement Group ResultsEBApproach MovementLTRAssigned Movement7414Adjusted Flow Rate ( $v$ ), veh/h2022110Adjusted Saturation Flow Rate ( $s$ ), veh/h/in173018701585	L T 682 582 48.0 9.0 4.0 4.0 1.0 1.0 WBL 3	R 32 140 0 3.0 0 0.0 0 0.0 WBT 8 4.0	28.0 4.0 1.0 NBL 5 2.0	T   870	R 310	P SBI	1535	<b>249 ♥</b>	
Approach Movement $\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	L T 682 582 48.0 9.0 4.0 4.0 1.0 1.0 WBL 3	R 32 140 0 3.0 0 0.0 0 0.0 WBT 8 4.0	28.0 4.0 1.0 NBL 5 2.0	T   870	R 310	P SBI	1535	<b>249 ♥</b>	
Approach Movement $\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	L T 682 582 48.0 9.0 4.0 4.0 1.0 1.0 WBL 3	R 32 140 0 3.0 0 0.0 0 0.0 WBT 8 4.0	28.0 4.0 1.0 NBL 5 2.0	T   870	R 310	P SBI	1535	<b>249 ♥</b>	
Demand ( v ), veh/h         186         194         0           Signal Information           Cycle, s         139.0         Reference Phase         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         3         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0	682 582 48.0 9.0 4.0 4.0 1.0 1.0 WBL 3	32 140 3.0 3.0 0 0.0 0 0.0 WBT 8 4.0	28.0 4.0 1.0 NBL 5 2.0	870	NBT 2 3.0	P SBI	1535	249 \$	
Signal Information           Cycle, s         139.0         Reference Phase         2           Offset, s         0         Reference Point         End           Uncoordinated         Yes         Simult. Gap E/W         On         Yellow         4.0         0.0           Force Mode         Fixed         Simult. Gap N/S         On         Red         1.0         0.0           Timer Results         EBL         EBT         EBT           Assigned Phase         7         4         2.0         3.0           Phase Duration, s         14.0         33.0         33.0           Change Period, (Y+R c), s         5.0         5.0         5.0           Max Allow Headway (MAH), s         3.1         3.1         3.1           Queue Clearance Time (g s), s         10.1         16.1           Green Extension Time (g s), s         0.0         1.7           Phase Call Probability         1.00         1.00           Max Out Probability         1.00         0.04           Movement Group Results         EB           Approach Movement         7         4         14           Adjusted Flow Rate (v), veh/h         202         211         0     <	48.0 9.0 4.0 4.0 1.0 1.0 WBL	0 3.0 0 0.0 0 0.0 WBT 8 4.0	28.0 4.0 1.0 NBL 5 2.0		NBT 2 3.0	P SBI	<u>ر</u> ر	<b>V</b>	
Cycle, s         139.0         Reference Phase         2           Offset, s         0         Reference Point         End           Uncoordinated         Yes         Simult. Gap E/W         On         Yellow         4.0         0.0           Force Mode         Fixed         Simult. Gap N/S         On         Red         1.0         0.0           Timer Results         EBL         EBT         EBT         Assigned Phase         7         4         4           Case Number         2.0         3.0         3.0         3.0         Phase Duration, s         5.0         5.0         5.0           Change Period, (Y+R ∈), s         5.0         5.0         5.0         5.0         Max Allow Headway (MAH), s         3.1         3.1         3.1         3.1         3.1         3.1         Green Extension Time (g ∈), s         0.0         1.7         Phase Call Probability         1.00         1.00         1.00         1.00         1.00         Max Out Probability         1.00         0.04         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00	48.0 9.0 4.0 4.0 1.0 1.0 WBL	0.0 0.0 0.0 WBT 8 4.0	4.0 1.0 NBL 5 2.0		2 3.0	1	<i>&gt;</i>	SBT	
Offset, s         0         Reference Point         End         Green         6.0         25.0           Uncoordinated         Yes         Simult. Gap E/W         On         Red         1.0         0.0           Timer Results         EBL         EBT         EBT           Assigned Phase         7         4         1           Case Number         2.0         3.0         3.0           Phase Duration, s         14.0         33.0         14.0           Change Period, (Y+R ε), s         5.0         5.0         5.0           Max Allow Headway (MAH), s         3.1         3.1         3.1           Queue Clearance Time (gs), s         0.0         1.7         16.1           Green Extension Time (ge), s         0.0         1.7         1.00           Phase Call Probability         1.00         0.04         1.00           Max Out Probability         1.00         0.04         1.00           Movement Group Results         EB         EB         Adjusted Flow Rate (v), veh/h         202         211         0           Adjusted Saturation Flow Rate (s), veh/h/n         1730         1870         1585         1585	48.0 9.0 4.0 4.0 1.0 1.0 WBL	0.0 0.0 0.0 WBT 8 4.0	4.0 1.0 NBL 5 2.0		2 3.0	1	ر مر ر ا	SBT	
Offset, s         0         Reference Point         End Green         6.0         25.0           Uncoordinated         Yes         Simult. Gap E/W         On         Yellow         4.0         0.0           Force Mode         Fixed         Simult. Gap N/S         On         Red         1.0         0.0           Timer Results         EBL         EBT         EBT           Assigned Phase         7         4         1           Case Number         2.0         3.0         3.0           Phase Duration, s         14.0         33.0         1           Change Period, (Y+R c), s         5.0         5.0         5.0           Max Allow Headway (MAH), s         3.1         3.1         3.1           Queue Clearance Time (gs), s         0.0         1.7         16.1           Green Extension Time (ge), s         0.0         1.7         1.00           Phase Call Probability         1.00         0.04         1.00           Max Out Probability         1.00         0.04         1.00           Movement Group Results         EB         EB         A           Adjusted Flow Rate (v), veh/h         202         211         0	4.0 4.0 1.0 1.0 WBL 3	0.0 0.0 0.0 WBT 8 4.0	4.0 1.0 NBL 5 2.0		2 3.0	1		SBT	
Uncoordinated Yes Simult. Gap E/W On Yellow 4.0 0.0 Force Mode Fixed Simult. Gap N/S On Red 1.0 0.0    Timer Results	4.0 4.0 1.0 1.0 WBL 3	0.0 0.0 0.0 WBT 8 4.0	4.0 1.0 NBL 5 2.0		2 3.0	1		SBT	
Force ModeFixedSimult. Gap N/SOnRed1.00.0Timer ResultsEBLEBTAssigned Phase74Case Number2.03.0Phase Duration, s14.033.0Change Period, (Y+R $\varepsilon$ ), s5.05.0Max Allow Headway (MAH), s3.13.1Queue Clearance Time ( $g \varepsilon$ ), s10.116.1Green Extension Time ( $g \varepsilon$ ), s0.01.7Phase Call Probability1.001.00Max Out Probability1.000.04Movement Group ResultsEBApproach MovementEAssigned Movement7414Adjusted Flow Rate ( $v$ ), veh/h2022110Adjusted Saturation Flow Rate ( $s$ ), veh/h/hn173018701585	1.0 1.0 WBL 3	0.0 WBT 8 4.0	1.0 NBL 5 2.0		2 3.0	1	- / / L	SBT	
Timer ResultsEBLEBTAssigned Phase74Case Number2.03.0Phase Duration, s14.033.0Change Period, (Y+Rc), s5.05.0Max Allow Headway (MAH), s3.13.1Queue Clearance Time (gs), s10.116.1Green Extension Time (gs), s0.01.7Phase Call Probability1.001.00Max Out Probability1.000.04Movement Group ResultsEBEBApproach MovementLTRAssigned Movement7414Adjusted Flow Rate ( $v$ ), veh/h2022110Adjusted Saturation Flow Rate ( $s$ ), veh/h/in173018701585	WBL 3	WBT 8 4.0	NBL 5 2.0		2 3.0	1	L	SBT	
Assigned Phase 7 4  Case Number 2.0 3.0  Phase Duration, s 14.0 33.0  Change Period, (Y+Rc), s 5.0 5.0  Max Allow Headway (MAH), s 3.1 3.1  Queue Clearance Time (gs), s 10.1 16.1  Green Extension Time (ge), s 0.0 1.7  Phase Call Probability 1.00 1.00  Max Out Probability 1.00 0.04   Movement Group Results EB  Approach Movement L T R  Assigned Movement 7 4 14  Adjusted Flow Rate ( $\nu$ ), veh/h 202 211 0  Adjusted Saturation Flow Rate ( $s$ ), veh/h/hn 1730 1870 1585	3	8 4.0	5 2.0		2 3.0	1	<u> </u>	SBT	
Assigned Phase 7 4  Case Number 2.0 3.0  Phase Duration, s 14.0 33.0  Change Period, (Y+Rc), s 5.0 5.0  Max Allow Headway (MAH), s 3.1 3.1  Queue Clearance Time (gs), s 10.1 16.1  Green Extension Time (gs), s 0.0 1.7  Phase Call Probability 1.00 1.00  Max Out Probability 1.00 0.04   Movement Group Results  Approach Movement	3	8 4.0	5 2.0		2 3.0	1			
Phase Duration, s $14.0$ $33.0$ Change Period, (Y+R c), s $5.0$ $5.0$ Max Allow Headway (MAH), s $3.1$ $3.1$ Queue Clearance Time ( $gs$ ), s $10.1$ $16.1$ Green Extension Time ( $gs$ ), s $0.0$ $1.7$ Phase Call Probability $1.00$ $1.00$ Max Out Probability $1.00$ $0.04$ Movement Group ResultsEBApproach Movement $L$ $T$ $R$ Assigned Movement $7$ $4$ $14$ Adjusted Flow Rate ( $v$ ), veh/h $202$ $211$ $0$ Adjusted Saturation Flow Rate ( $s$ ), veh/h/in $1730$ $1870$ $1585$		4.0	2.0	1	3.0	-	- Control	6	
Phase Duration, s $14.0$ $33.0$ Change Period, (Y+R $\varepsilon$ ), s $5.0$ $5.0$ Max Allow Headway (MAH), s $3.1$ $3.1$ Queue Clearance Time ( $gs$ ), s $10.1$ $16.1$ Green Extension Time ( $gs$ ), s $0.0$ $1.7$ Phase Call Probability $1.00$ $1.00$ Max Out Probability $1.00$ $0.04$ Movement Group ResultsEBApproach Movement $L$ $T$ $R$ Assigned Movement $7$ $4$ $14$ Adjusted Flow Rate ( $v$ ), veh/h $202$ $211$ $0$ Adjusted Saturation Flow Rate ( $s$ ), veh/h/in $1730$ $1870$ $1585$		36.0			THE PERSON NAMED IN			4.0	
Change Period, (Y+Rs), s $5.0$ $5.0$ Max Allow Headway (MAH), s $3.1$ $3.1$ Queue Clearance Time (gs), s $10.1$ $16.1$ Green Extension Time (gs), s $0.0$ $1.7$ Phase Call Probability $1.00$ $1.00$ Max Out Probability $1.00$ $0.04$ Movement Group ResultsEBApproach Movement $I$ $I$ $I$ Assigned Movement $I$ $I$ $I$ Adjusted Flow Rate ( $v$ ), veh/h $I$ $I$ $I$ Adjusted Saturation Flow Rate ( $s$ ), veh/h/in $I$ $I$ $I$ $I$	17.0			1	78.0	11.0	-	53.0	
Max Allow Headway ( $MAH$ ), s3.13.1Queue Clearance Time ( $gs$ ), s10.116.1Green Extension Time ( $gs$ ), s0.01.7Phase Call Probability1.001.00Max Out Probability1.000.04Movement Group ResultsApproach MovementEBEBAssigned MovementTRAdjusted Flow Rate ( $v$ ), veh/h2022110Adjusted Saturation Flow Rate ( $s$ ), veh/h/in173018701585	0.0	5.0	0.0	-	5.0	5.0		5.0	
Queue Clearance Time $(gs)$ , s10.116.1Green Extension Time $(gs)$ , s0.01.7Phase Call Probability1.001.00Max Out Probability1.000.04Movement Group ResultsEBApproach MovementLTRAssigned Movement7414Adjusted Flow Rate $(v)$ , veh/h2022110Adjusted Saturation Flow Rate $(s)$ , veh/h/in173018701585	3.1	3.1	3.1	1	3.1	3.1		3.1	
Green Extension Time ( $g * e$ ), s $0.0$ $1.7$ Phase Call Probability $1.00$ $1.00$ Max Out Probability $1.00$ $0.04$ Movement Group ResultsEBApproach MovementLTRAssigned Movement7414Adjusted Flow Rate ( $v$ ), veh/h $202$ $211$ $0$ Adjusted Saturation Flow Rate ( $s$ ), veh/h/in $1730$ $1870$ $1585$	19.0	30.8	38.0		26.1	4.2		50.0	
Phase Call Probability $1.00$ $1.00$ Max Out Probability $1.00$ $0.04$ Movement Group ResultsEBIApproach MovementITRAssigned Movement7414Adjusted Flow Rate ( $\nu$ ), veh/h2022110Adjusted Saturation Flow Rate ( $s$ ), veh/h/in173018701585	0.0	0.1	0.0	market market	12.8	0.0		0.0	
Movement Group ResultsEBApproach MovementLTRAssigned Movement7414Adjusted Flow Rate ( $\nu$ ), veh/h2022110Adjusted Saturation Flow Rate ( $s$ ), veh/h/n173018701585	1.00	1.00	1.00		1.00	1.00	-	1.00	
Approach MovementLTRAssigned Movement7414Adjusted Flow Rate ( $\nu$ ), veh/h2022110Adjusted Saturation Flow Rate ( $s$ ), veh/h/m173018701585	1.00	1.00	1.00		0.08	1.00	-	1.00	
Approach MovementLTRAssigned Movement7414Adjusted Flow Rate ( $\nu$ ), veh/h2022110Adjusted Saturation Flow Rate ( $s$ ), veh/h/in173018701585	WB			NB		1	SB		
Assigned Movement 7 4 14 Adjusted Flow Rate ( $\nu$ ), veh/h 202 211 0 Adjusted Saturation Flow Rate ( $s$ ), veh/h/m 1730 1870 1585	LIT	R		T	R	-	T	R	
Adjusted Flow Rate ( $\nu$ ), veh/h 202 211 0 Adjusted Saturation Flow Rate ( $s$ ), veh/h/in 1730 1870 1585	3 8	18	5	2	12		6	16	
Adjusted Saturation Flow Rate (s), veh/h/in 1730 1870 1585	741 392	-	976	946	310	87	1297	604	
The state of the s	1730 1870	-	1730	1766	1551	1730	1856	1715	
Queue Service Time ( g s ), s 8.1 14.1 0.0	17.0 28.6	-	36.0	24.1	16.5	2.2	48.0	48.0	
	17.0 28.6	100 100	36.0	24.1	16.5	2.2	48.0	48.0	
The second secon	0.34 0.22		0.26	0.53	0.53	0.39	0.35	0.35	
	761 417	-	896	1855	814	653	1282	592	
The state of the s	0.974 0.940		-	0.510	0.380	0.133	1.012	1.019	
The second secon	313.2 594	ACTOR OF THE PERSONNELS OF	the same of	383.9	251,4	41.8	908.5	898.5	
Back of Queue (Q), yeh/ln (95 th percentile) 8.1 11.0 0.0	12.3 23.4		31.9	15.0	9.9	1.6	35.5	35.9	
	0.00 0.00		0.00	0.00	0.00	0.00	0.00	0.00	
	45.3 53.1	distance of the same	51.5	21.4	19.6	26.7	45.5	45.5	
			57.4	0.1	0.1	0.0	28.2	42.0	
	26.2 29.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	26.2 29.0 0.0 0.0		108.9	21.5	19.7	26.7	73.7	87.5	
Level of Service (LOS) F D		F	F	С	В	C	F	F	
Approach Delay, s/veh / LOS 74.5 E	0.0 0.0		59.5	1	E	75.8		E	
Intersection Delay, s/veh / LOS 70.2	0.0 0.0 71.5 82.1	Ė				E			
Multimodal Results EB	0.0 0.0 71.5 82.1 E F 77.4	Ē							
	0.0 0.0 71.5 82.1 E F 77.4			2.100		E .	SB		
Pedestrian LOS Score / LOS         2.77         C           Bicycle LOS Score / LOS         1.17         A	0.0 0.0 71.5 82.1 E F 77.4		2.46	NB	В	2.45		В	

											Mary Andrews				
General Inform	nation							Ti	ntersec	tion Inf	ormati	on		4.1.金1.	
Agency		Solaegui Engineers	Ś					T I	Duration	, h	0.250	}	لل	4444	١,
Analyst		MSH		Analy	sis Date	Aug 2	23, 2021		Агеа Тур	æ	Other		4		
Jurisdiction		NDOT		-	Period		eak Hou	-	HF		0.92		-	4	
Urban Street				Analy	sis Year	2050 Proje	Base +	$\neg$	Analysis	Period	1> 7:	00			
Intersection		Pyramid & La Posa	ida	File N	ame	and the Person	50pwl2.	xus		CHIPMAN			-	1111	
Project Descrip	otion	w/Improvements										-		12004 (40-1)	2016
		Salley Rolling					n we were								
Demand Infor	-	·			EB	9.00.00		WB			NB		1	SB	de article de la constante de
Approach Mov				L	T	R	L	T	R	L	T	R	L	T	R
Demand (v), v	reh/h		i de mario mario	144	289	0	556	586	146	1218	1468	605	263	1138	133
Signal Info															
Signal Informa	159.0	Defeate Disease	-	1	1 2		12150	L	4	늴	<b>≒ (</b>		4.		
Cycle, s Offset, s	0	Reference Phase	2	-	5	1 Yii	7 1			F	15.0				7
Uncoordinated		Reference Point	End	Green	The second second	44.0	44.0	8.0	7.0	29.0			500	-01-20	A
Force Mode		Simult. Gap E/W	On	Yellow		0.0	4.0	14.0	10.0	4.0		\ 4	١.		V
Porce Mode	Fixed	Simult Gap N/S	On	Red	1.0	0.0	1.0	1.0	0.0	1.0	P506	1	- 6	7	5400
Timer Results				EBI		EBT	WB		AMOT	AUDI		NOT	OD		COT
Assigned Phas				7	-	4	ş		WBT	NBI		NBT	SBI		SBT
Case Number	<u>e</u>			2.0		3.0	3		8	5		2	1		6
Phase Duration	) F			13.0		34.0	20.0		4.0 41.0	2.0 56.0	+	3.0	1.1		4.0
Change Period	-	a) e		5.0		5.0	0.0		5.0	0.0	-	93.0	12.0		49.0
	w Headway ( MAH ), s			3.1	-	3.1	3.1		3.1	3.1		5.0 3.1	5.0		5.0
THE RESERVE OF THE PERSON NAMED IN COLUMN	ow Headway ( <i>MAH</i> ), s Clearance Time ( <i>g</i> <sub>s</sub> ), s			9.2	-	28.2	22.0	-	35.4	58.0	-		3.1		3.1
	Clearance Time ( g s ), s			0.0		0.0	0.0		0.2	-		60.5	9.0		40.2
	Clearance Time $(g_s)$ , s Extension Time $(g_s)$ , s Call Probability			1.00	-	1.00	1.00	-	1.00	1.00		13.8	0.0	Chirecon	0.0
Max Out Proba			-	1.00		1.00	1.00	-	1.00	1.00		1.00	1,00		1.00
Midx Odt i Toba	officy .		Jensy A (	1.00	100	I.UU	1.00		LUU	1.00	Name of Street	0.37	1.00	1	1.00
Movement Gr	oup Res	uits		DOMESTICAL PROPERTY.	EB	ENGBERS!		WB			NB	PARTEUR	ANUPONIO,	ŚB	
Approach Move	ement	**************************************		L	T	R	L	T	R	ī	T	R	.L	T	R
Assigned Move	unent	1000		7	4	14	3	8	18	5	2	12	1	6	16
Wasifulen Miche	11110414			Name and Address of	244		-	000	370	4004					
Adjusted Flow	-	), veh/h		157	314	0	604	398	310	1324	1596	603	286	924	1 430
Adjusted Flow	Rate ( v	), veh/h ow Rate ( s ), veh/h/l	In	157 1730	1870	1585	604 1730	1870	1733	1730	1596 17 <b>6</b> 6	603 1551	286 1730	924 1856	436 174
Adjusted Flow	Rate ( v ation Flo	ow Rate (s), veh/h/l	In	-			-		-	The state of the s	1766	1551	1730	1856	174
Adjusted Flow Adjusted Satur	Rate ( v ation Flo Time ( g	ow Rate (s), veh/h/l gs), s	In	1730	1870	1585	1730	1870	1733	1730			-		174 38.:
Adjusted Flow Adjusted Satur Queue Service	Rate ( v ation Flo Time ( g learance	ow Rate (s), veh/h/l gs), s	ln .	1730 7.2	1870 26.2	1585 0.0	1730 20.0	1870 33.3	1733 33.4	1730 56.0	1766 58.5	1551 45.2	1730 7.0	1856 38.1	174 38.; 38.;
Adjusted Flow Adjusted Satur Queue Service Cycle Queue C	Rate ( v ation Flo Time ( g tlearance v/C )	ow Rate (s), veh/h/l gs), s	ln .	1730 7.2 7.2	1870 26.2 26.2	1585 0.0 0.0	1730 20.0 20.0	1870 33.3 33.3	1733 33.4 33.4	1730 56.0 56.0	1766 58.5 58.5	1551 45.2 45.2	1730 7.0 7.0	1856 38.1 38.1	174 38. 38. 0.2
Adjusted Flow Adjusted Satur Queue Service Cycle Queue C Green Ratio ( ¿	Rate ( v ation Flo Time ( g learance v/C ) veh/h	ow Rate (s), veh/h/l gs), s e Time (gɛ), s	In .	1730 7.2 7.2 0.05	1870 26.2 26.2 0.18	1585 0.0 0.0 0.18 289	1730 20.0 20.0 0.32	1870 33.3 33.3 0.23	1733 33.4 33.4 0.23	1730 56.0 56.0 0.35	1766 58.5 58.5 0.55	1551 45.2 45.2 0.55	1730 7.0 7.0 0.32	1856 38.1 38.1 0.28	174 38.;
Adjusted Flow Adjusted Satur Queue Service Cycle Queue C Green Ratio ( Capacity ( c ); Volume-to-Cap	Rate ( v ation Flo Time ( ¿ learance p/C ) veh/h acity Ra	ow Rate (s), veh/h/l gs), s e Time (gɛ), s		1730 7.2 7.2 0.05 174	1870 26.2 26.2 0.18 341	1585 0.0 0.0 0.18 289	1730 20.0 20.0 0.32 563	1870 33.3 33.3 0.23 423	1733 33.4 33.4 0.23 392	1730 56.0 56.0 0.35 1218	1766 58.5 58.5 0.55 1955	1551 45.2 45.2 0.55 859	1730 7.0 7.0 0.32 353	1856 38.1 38.1 0.28 1027	174 38. 38. 0.2 484 0.90
Adjusted Flow Adjusted Satur Queue Service Cycle Queue C Green Ratio ( Capacity (c); Volume-to-Cap Back of Queue	Rate ( v ation Flo Time ( g learance y/C ) veh/h acity Ra ( Q ), fiv	ow Rate (s), veh/h/l gs), s e Time (ge), s atio (X) fin (95 th percentile)	) ile)	1730 7.2 7.2 0.05 174 0.899	1870 26.2 26.2 0.18 341 0.921	1585 0.0 0.0 0.18 289 0.000	1730 20.0 20.0 0.32 563 1,074	1870 33.3 33.3 0.23 423 0.940	1733 33.4 33.4 0.23 392 0.943	1730 56.0 56.0 0.35 1218 1.087 1138.	1766 58.5 58.5 0.55 1955 0.816	1551 45.2 45.2 0.55 859 0.703	1730 7.0 7.0 0.32 353 0.809	1856 38.1 38.1 0.28 1027 0.900	174 38. 38. 0.2 484
Adjusted Flow Adjusted Satur Queue Service Cycle Queue C Green Ratio ( Capacity ( C); Volume-to-Cap Back of Queue	Rate ( v ation Flo Time ( g learance y/C ) veh/h acity Ra ( Q ), fiv	ow Rate (s), veh/h/l gs), s e Time (ge), s etio (X) //n (95 th percentile)	) ile)	1730 7.2 7.2 0.05 174 0.899 189.7	1870 26.2 26.2 0.18 341 0.921 548.8	1585 0.0 0.0 0.18 289 0.000 0	1730 20.0 20.0 0.32 563 1.074 518.2	1870 33.3 33.3 0.23 423 0.940 667	1733 33.4 33.4 0.23 392 0.943 623.5	1730 56.0 56.0 0.35 1218 1.087 1138. 1	1766 58.5 58.5 0.55 1955 0.816 846	1551 45.2 45.2 0.55 859 0.703 601	1730 7.0 7.0 0.32 353 0.809 142	1856 38.1 38.1 0.28 1027 0.900 676.8	174 38. 38. 0.2 48- 0.90 663
Adjusted Flow Adjusted Satur Queue Service Cycle Queue C Green Ratio ( Capacity (c); Volume-to-Cap Back of Queue Back of Queue Queue Storage Uniform Delay	Rate ( v ation Flo Time ( c learance y/C ) veh/h acity Ra ( Q ), fi/ ( Q ), ve ( Ratio ( ( d + ), s.	ow Rate (s), veh/h/l gs), s e Time (ge), s  atio (X) //n (95 th percentile) eh/ln (95 th percent	) ile)	7.2 7.2 0.05 174 0.899 189.7	1870 26.2 26.2 0.18 341 0.921 548.8	1585 0.0 0.0 0.18 289 0.000 0	1730 20.0 20.0 0.32 563 1.074 518.2	1870 33.3 33.3 0.23 423 0.940 667	1733 33.4 33.4 0.23 392 0.943 623.5	1730 56.0 56.0 0.35 1218 1.087 1138. 1	1766 58.5 58.5 0.55 1955 0.816 846	1551 45.2 45.2 0.55 859 0.703 601 23.7	1730 7.0 7.0 0.32 353 0.809 142	1856 38.1 38.1 0.28 1027 0.900 676.8	174 38. 38. 0.2 484 0.90 663
Adjusted Flow Adjusted Satur Queue Service Cycle Queue C Green Ratio ( Capacity (c); Volume-to-Cap Back of Queue Back of Queue Queue Storage Uniform Delay Incremental De	Rate ( v ation Flo Time ( g Rearence p/C ) veh/h acity Ra ( Q ), fiv ( Q ), ve ( Ratio ( ( d 1 ), sa lay ( d 2	ow Rate (s), veh/h/l gs), s e Time ( $ge$ ), s atio ( $X$ ) fIn (95 th percentile) gs2 th percentile gs3 th percentile gs4 th percentile gs6 th percentile gs7 (95 th percentile) gs8 th percentile	) ile)	7.2 7.2 0.05 174 0.899 189.7 7.5	1870 28.2 26.2 0.18 341 0.921 548.8 21.6 0.00	1585 0.0 0.0 0.18 289 0.000 0 0.00	1730 20.0 20.0 0.32 563 1.074 518.2 20.4 0.00	1870 33.3 33.3 0.23 423 0.940 667 26.3 0.00	1733 33.4 33.4 0.23 392 0.943 623.5 24.9 0.00	1730 56.0 56.0 0.35 1218 1.087 1138. 1 44.8 0.00	1766 58.5 58.5 0.55 1955 0.816 846 33.0 0.00	1551 45.2 45.2 0.55 859 0.703 601 23.7 0.00	1730 7.0 7.0 0.32 353 0.809 142 5.6 0.00	1856 38.1 38.1 0.28 1027 0.900 676.8 26.4 0.00	174 38. 38. 0.2 48- 0.90 66: 26. 0.0 55.
Adjusted Flow Adjusted Satur Queue Service Cycle Queue C Green Ratio (g Capacity (c); Volume-to-Cap Back of Queue Back of Queue Queue Storage Uniform Delay Incremental Delay Incremental Delay	Rate ( v ation Flo Time ( g dearance p/C ) veh/h acity Ra ( Q ), fiv ( Q ), ve Ratio ( ( d + ), s day ( d 2 elay ( d	ow Rate (s), veh/h/l gs), s e Time (gc), s atio (X) /in (95 th percentile) eh/in (95 th percentile) RQ) (95 th percentile) /veh ), s/veh	) ile)	7.2 7.2 0.05 174 0.899 189.7 7.5 0.00 75.1	1870 26.2 26.2 0.18 341 0.921 548.8 21.6 0.00 63.9	0.00 0.18 289 0.000 0 0 0.000 0.00	1730 20.0 20.0 0.32 563 1.074 518.2 20.4 0.00 47.7	1870 33.3 33.3 0.23 423 0.940 667 26.3 0.00 60.4	1733 33.4 33.4 0.23 392 0.943 623.5 24.9 0.00 60.5	1730 56.0 56.0 0.35 1218 1.087 1138. 1 44.8 0.00 51.5	1766 58.5 58.5 0.55 1955 0.816 846 33.0 0.00 28.9	1551 45.2 45.2 0.55 859 0.703 601 23.7 0.00 25.9	1730 7.0 7.0 0.32 353 0.809 142 5.6 0.00 48.9	1856 38.1 38.1 0.28 1027 0.900 676.8 26.4 0.00 55.4	174 38. 38. 0.2 48- 0.90 66: 26. 0.0 55.
Adjusted Flow Adjusted Satur Queue Service Cycle Queue C Green Ratio ( Capacity (c); Volume-to-Cap Back of Queue Back of Queue Queue Storage Uniform Delay Incremental Delay Control Delay (	Rate ( v ation Flo Time ( c learance p/C ) veh/h acity Ra ( Q ), fi/ ( Q ), ve ( Q ), selay ( d . d ), s/ve	ow Rate (s), veh/h/l gs), s e Time (gc), s atio (X) /in (95 th percentile) eh/in (95 th percentile) RQ) (95 th percentile) /veh ), s/veh	) ile)	7.2 7.2 0.05 174 0.899 189.7 7.5 0.00 75.1 40.0	1870 26.2 26.2 0.18 341 0.921 548.8 21.6 0.00 63.9 28.9	0.00 0.18 289 0.000 0 0 0.00 0.00 0.00	1730 20.0 20.0 0.32 563 1.074 518.2 20.4 0.00 47.7 59.4	1870 33.3 33.3 0.23 423 0.940 667 26.3 0.00 60.4 28.8	1733 33.4 33.4 0.23 392 0.943 623.5 24.9 0.00 60.5 30.9	1730 56.0 56.0 0.35 1218 1.087 1138. 1 44.8 0.00 51.5 52.7	1766 58.5 58.5 0.55 1955 0.816 846 33.0 0.00 28.9 2.6	1551 45.2 45.2 0.55 859 0.703 601 23.7 0.00 25.9 2.2	1730 7.0 7.0 0.32 353 0.809 142 5.6 0.00 48.9 12.3	1856 38.1 38.1 0.28 1027 0.900 676.8 26.4 0.00 55.4 10.4	174 38. 38. 0.2 48. 0.90 66: 26. 26. 19. 0.0
Adjusted Flow Adjusted Satur Queue Service Cycle Queue C Green Ratio ( Capacity ( C); Volume-to-Cap Back of Queue Back of Queue Queue Storage Uniform Delay Incremental Delay Incremental Control Delay ( Level of Service	Rate ( v ation Flo Time ( g learance p/C ) veh/h acity Ra ( Q ), fo ( Q ), ve ( Ratio ( ( d + ), so elay ( d : elay ( d : elay ( d :	ow Rate (s), veh/h/l gs), s e Time (ge), s  atio (X) fin (95 th percentile)  ch/in (95 th percentile)	) ile)	7.2 7.2 0.05 174 0.899 189.7 7.5 0.00 75.1 40.0 0.0	1870 26.2 26.2 0.18 341 0.921 548.8 21.6 0.00 63.9 28.9 0.0	1585 0.0 0.18 289 0.000 0 0.0 0.0 0.0 0.0	1730 20.0 20.0 0.32 563 1.074 518.2 20.4 0.00 47.7 59.4 0.0	1870 33.3 33.3 0.23 423 0.940 667 26.3 0.00 60.4 28.8 0.0	1733 33.4 33.4 0.23 392 0.943 623.5 24.9 0.00 60.5 30.9 0.0	1730 56.0 56.0 0.35 1218 1.087 1138. 1 44.8 0.00 51.5 52.7 0.0	1766 58.5 58.5 0.55 1955 0.816 846 33.0 0.00 28.9 2.6 0.0	1551 45.2 45.2 0.55 859 0.703 601 23.7 0.00 25.9 2.2 0.0	1730 7.0 7.0 0.32 353 0.809 142 5.6 0.00 48.9 12.3 0.0	1856 38.1 38.1 0.28 1027 0.900 676.8 26.4 0.00 55.4 10.4 0.0	174 38. 38. 0.2 48. 0.90 66: 26. 26. 19. 0.0
Adjusted Flow Adjusted Satur Queue Service Cycle Queue C Green Ratio ( c Capacity ( c ); Volume-to-Cap Back of Queue Back of Queue Queue Storage Uniform Delay Incremental De Initial Queue D Control Delay ( Level of Service Approach Delay	Rate ( v ation Flo Time ( g learance y/C ) veh/h acity Ra ( Q ), fiv ( Q ), ve Ratio ( ( d + ), so lay ( d 2 elay ( d d ), s/ve e (LOS) y, s/veh	ow Rate (s), veh/h/lgs), s e Time (gc), s etio (X) /in (95 th percentile) eh/in (95 th percentile) /veh ), s/veh eh / LOS	) ile)	7.2 7.2 0.05 174 0.899 189.7 7.5 0.00 75.1 40.0 0.0 115.1	1870 26.2 26.2 0.18 341 0.921 548.8 21.6 0.00 63.9 28.9 0.0 92.8 F	1585 0.0 0.18 289 0.000 0 0.0 0.0 0.0 0.0	1730 20.0 20.0 0.32 563 1.074 518.2 20.4 0.00 47.7 59.4 0.0 107.1	1870 33.3 33.3 0.23 423 0.940 667 26.3 0.00 60.4 28.8 0.0 89.2 F	1733 33.4 33.4 0.23 392 0.943 623.5 24.9 0.00 60.5 30.9 0.0	1730 56.0 56.0 0.35 1218 1.087 1138. 1 44.8 0.00 51.5 52.7 0.0 104.2	1766 58.5 58.5 0.55 1955 0.816 846 33.0 0.00 28.9 2.6 0.0 31.5 C	1551 45.2 45.2 0.55 859 0.703 601 23.7 0.00 25.9 2.2 0.0 28.1	1730 7.0 7.0 0.32 353 0.809 142 5.6 0.00 48.9 12.3 0.0 61.1	1856 38.1 38.1 0.28 1027 0.900 676.8 26.4 0.00 55.4 10.4 0.0 65.8 E	174 38. 38. 0.2 48. 0.96 66. 26. 0.0 55. 19. 0.0
Adjusted Flow Adjusted Satur Queue Service Cycle Queue C Green Ratio ( c Capacity ( c ); Volume-to-Cap Back of Queue Back of Queue Queue Storage Uniform Delay Incremental De Initial Queue D Control Delay ( Level of Service Approach Delay	Rate ( v ation Flo Time ( g learance y/C ) veh/h acity Ra ( Q ), fiv ( Q ), ve Ratio ( ( d + ), so lay ( d 2 elay ( d d ), s/ve e (LOS) y, s/veh	ow Rate (s), veh/h/lgs), s e Time (gc), s etio (X) /in (95 th percentile) eh/in (95 th percentile) /veh ), s/veh eh / LOS	) ile)	7.2 7.2 0.05 174 0.899 189.7 7.5 0.00 75.1 40.0 0.0 115.1 F	1870 26.2 26.2 0.18 341 0.921 548.8 21.6 0.00 63.9 28.9 0.0 92.8 F	1585 0.0 0.0 0.18 289 0.000 0.0 0.0 0.0 0.0 0.0 0.0	1730 20.0 20.0 0.32 563 1.074 518.2 20.4 0.00 47.7 59.4 0.0 107.1 F	1870 33.3 33.3 0.23 423 0.940 667 26.3 0.00 60.4 28.8 0.0 89.2 F	1733 33.4 33.4 0.23 392 0.943 623.5 24.9 0.00 60.5 30.9 0.0 91.4 F	1730 56.0 56.0 0.35 1218 1.087 1138. 1 44.8 0.00 51.5 52.7 0.0 104.2 F	1766 58.5 58.5 0.55 1955 0.816 846 33.0 0.00 28.9 2.6 0.0 31.5 C	1551 45.2 45.2 0.55 859 0.703 601 23.7 0.00 25.9 2.2 0.0 28.1 C	1730 7.0 7.0 0.32 353 0.809 142 5.6 0.00 48.9 12.3 0.0 61.1 E	1856 38.1 38.1 0.28 1027 0.900 676.8 26.4 0.00 55.4 10.4 0.0 65.8 E	174 38. 38. 0.2 48- 0.90 66: 26. 0.0 55. 19.: 74.0
Adjusted Flow Adjusted Satur Queue Service Cycle Queue C Green Ratio ( Capacity (c); Volume-to-Cap Back of Queue Back of Queue Queue Storage Uniform Delay Incremental De Initial Queue D Control Delay ( Level of Service Approach Dela Intersection De	Rate ( v ation Flo Time ( g learance p/C ) veh/h acity Ra ( Q ), fv ( Q ), ve ( Ratio ( ( d 1 ), s lay ( d 2 elay ( d . d ), s/ve e (LOS) y, s/veh lay, s/veh	ow Rate (s), veh/h/lgs), s e Time (gc), s etio (X) /in (95 th percentile) eh/in (95 th percentile) /veh ), s/veh eh / LOS	) ile)	7.2 7.2 0.05 174 0.899 189.7 7.5 0.00 75.1 40.0 0.0 115.1 F	1870 28.2 26.2 0.18 341 0.921 548.8 21.6 0.00 63.9 28.9 0.0 92.8 F	1585 0.0 0.0 0.18 289 0.000 0.0 0.0 0.0 0.0 0.0 0.0	1730 20.0 20.0 0.32 563 1.074 518.2 20.4 0.00 47.7 59.4 0.0 107.1 F	1870 33.3 33.3 0.23 423 0.940 667 26.3 0.00 60.4 28.8 0.0 89.2 F	1733 33.4 33.4 0.23 392 0.943 623.5 24.9 0.00 60.5 30.9 0.0 91.4 F	1730 56.0 56.0 0.35 1218 1.087 1138. 1 44.8 0.00 51.5 52.7 0.0 104.2 F	1766 58.5 58.5 0.55 1955 0.816 846 33.0 0.00 28.9 2.6 0.0 31.5 C	1551 45.2 45.2 0.55 859 0.703 601 23.7 0.00 25.9 2.2 0.0 28.1 C	1730 7.0 7.0 0.32 353 0.809 142 5.6 0.00 48.9 12.3 0.0 61.1 E	1856 38.1 38.1 0.28 1027 0.900 676.8 26.4 0.00 55.4 10.4 0.0 65.8 E	174 38. 38. 0.2 48- 0.90 66: 26. 0.0 55. 19.: 74.0
Adjusted Flow Adjusted Satur Queue Service Cycle Queue C Green Ratio ( Capacity ( C); Volume-to-Cap Back of Queue Back of Queue Queue Storage Uniform Delay Incremental Delay Incremental Control Delay ( Level of Service	Rate ( v ation Flo Time ( g learance p/C ) veh/h acity Ra ( Q ), fv Ratio ( ( Q 1), so lay ( d 2 elay ( d 3 el	ow Rate (s), veh/h/l gs), s e Time (ge), s  atio (X)  In (95 th percentile)  eh/in (95 th percentile)  veh ), s/veh eh  / LOS eh / LOS	) ile)	7.2 7.2 0.05 174 0.899 189.7 7.5 0.00 75.1 40.0 0.0 115.1 F	1870 26.2 26.2 0.18 341 0.921 548.8 21.6 0.00 63.9 28.9 0.0 92.8 F	1585 0.0 0.0 0.18 289 0.000 0.0 0.0 0.0 0.0 0.0 0.0	1730 20.0 20.0 0.32 563 1.074 518.2 20.4 0.00 47.7 59.4 0.0 107.1 F	1870 33.3 33.3 0.23 423 0.940 667 26.3 0.00 60.4 28.8 0.0 89.2 F	1733 33.4 33.4 0.23 392 0.943 623.5 24.9 0.00 60.5 30.9 0.0 91.4 F	1730 56.0 56.0 0.35 1218 1.087 1138. 1 44.8 0.00 51.5 52.7 0.0 104.2 F	1766 58.5 58.5 0.55 1955 0.816 846 33.0 0.00 28.9 2.6 0.0 31.5 C	1551 45.2 45.2 0.55 859 0.703 601 23.7 0.00 25.9 2.2 0.0 28.1 C	1730 7.0 7.0 0.32 353 0.809 142 5.6 0.00 48.9 12.3 0.0 61.1 E	1856 38.1 38.1 0.28 1027 0.900 676.8 26.4 0.00 55.4 10.4 0.0 65.8 E	174 38.3 38.0 0.2 48- 0.90 663 26.3 19.3 0.0 74.6 E

		1517800			272.07517			Report					A ST	
General Information		es <sup>trat</sup>	1				te info	ormatio	n		. ekops		, N	14
Analyst	MSH				1		1	Inter	section			Eagle Cany	/on/Neigl	hbarhoo
Agency or Co.	Solae	gui Engi	neers		-/	-	1	E/W	Street Na	me		Eagle Carry	on Road	
Date Performed	8/23/	2021			$\int_{-\infty}^{\infty}$			N/S:	Street Na	me		Neighbort	rood Way	/Ember (
Analysis Year	2021				÷/ + /			Analy	ysis Time	Period (hr	2)	0.25		
Time Analyzed	AME	xisting						Peak	Hour Fac	tor		).90		
Project Description						V.	-	Jurist	diction		1	Washoe Co	ounty	
Volume Adjustment	s and	Site C	harac	teristic	S									
Approach		(	E			WB			N	₽B			SB	
Movement	U	L	Ť	R	U	L	T F	U	L	Т	RE	U L	Т	R
Number of Lanes (N)	0	0	1	0	0	0	1 1	0	0	1	0	0 0	1	1
Lane Assignment			Ę	TR	LT		R			ŁTR		LT		R
Volume (V), veh/h	0	5	829	17	0	88 9	87 4	0	22	4	113	0 43	5 3	13
Percent Heavy Vehicles, %	2	2	2	2	2	2	2 2	2	2	2	2	2 2	2	2
Flow Rate (vrc), pc/h	0	6	940	19	0	100 1	119 4	6 0	25	5	128	0 5	1 3	15
Right-Turn Bypass		N	one			None			No	one			None	
Conflicting Lanes			1			1		1		1	1		1	
Pedestrians Crossing, p/h		,	10	1		10		1	٦	0	-		10	
Critical and Follow-U	Jp He	adwa	y Adju	stmen	1		11347					1. (1.		
Approach	al and Follow-Up Headway					Π	WB			N8	·/*	1	\$B	
Lane			Left	Right	Bypass	Left	Right	Bypass	Left	Right	Bypass	Left	Right	Bypas
Critical Headway (s)				4.9763		4,5436	4.543€			4.9763		4.5436	4.5436	
Follow-Up Headway (s)				2.6087		2.5352	2.5352			2.6087		2.5352	2.5352	
Flow Computations,	Capa	city a	nd v/c	Ratio		2	-	is or	-		-			-
Approach				E8			WB			NB		I	58	
Lạne			Left	Right	Bypass	Left	Right	Bypass	Left	Right	Bypass	Left	Right	Bypas
Entry Flow (v-), pc/h				965		1219	46			158		54	15	1
Entry Volume, veh/h				946		1195	45			155	1	53	15	$\vdash$
Circulating Flow (vi.), pc/h				154		1	36	J		997			1244	
Exiting Flow (vec), pc/h		_		1119			1159	~~		57			122	
Capacity (c <sub>ec</sub> ), pc/h		1		1179		1374	1374			499	Г	458	458	1
Capacity (c), yeh/h				1155		1332	1332			489		449	449	+-
v/c Ratio (x)				0.82	T	0.90	0.03			0.32		0.12	0.03	1
Delay and Level of S	ervice			7,			4		111				,	-
Approach				EB			Wß			NB	*	Γ	SB	
Lane		1	teft	Right	Bypass	Left	Right	Bypass	Left	Right	Bypass	Left	Right	вураз:
Lane Control Delay (d), s/veh				19.5		24.4	3.0			12.3		9.7	8.5	
Lane LOS		T		С		c	A			В		А	A	1
95% Queue, veh				9.9		14.3	0.1			1,3		0.4	0.1	1
					-	-					1	-	-	-law-
Approach Delay, s/veh		1		19.5		1	23.6			123		1	9.4	

				HCS	7 Rou									
General Information						Sit	e Infor	mation						. 102
Analyst	MSH			T	P	.►A_		Interse	ection		B	agle Canyo	on/Neighb	orhood
Agency or Co.	Solae	gui Engir	eers			+		E/W S	treet Na	ne		agle Canyo		
Date Performed	8/23/2	2021			11		1	N/5 St	reet Nan	us.	N	eighborho	od Way/t	mber Dr
Analysis Year	2021				+ \		1 1	Analys	is Time I	Period (hrs	) 0.	25		
Time Analyzed	PM Ex	asting		5	1		1	Peak H	tour Fact	tor	0.	.90		
Project Description			***			<b>*</b>	1	Jurisch	iction		V	/ashoe Co	unty	
Volume Adjustment	s and S	Site C	haract	eristic	5				o ne li cade					111
Approach	T		В			WB			N	В			\$B	
Movement	U	L	Ŧ	R	υ	LT	R	U	L	Т	R	U L	Ť	R
Number of Lanes (N)	0	0	1	0	0	0 1	1	0	0	1	0	0 0	1	1
Lane Assignment	<del>                                     </del>		u	IR.	ĻT		R			LTR		ŁT		R
Volume (V), veh/h	0	5	339	5	0	92 64	7 58	0	6	1	61	0 52	. 4	5
Percent Heavy Vehicles, %	2	2	2	2	2	2 2	2	2	2	2	2	2 2	2	Z
Flow Rate (Vecs), pc/h	0	6	384	6	0	104 73	3 66	0	7	1	69	0 59	5	6
Right-Turn Bypass	1	N	) Me	-		None			No	we			None	
Conflicting Lancs	1		1			1	-			1			1	
Pedestrians Crossing, p/h	+		10			10			1	0			10	
Critical and Follow-	Up He	adway	/ Adju	stmen	t			-		- 6	1.1		Tu I	
Approach		7		EB			WB			NB			58	
Lane			Left	Right	Bypass	Left	Right	Bypass	Left	Right	Bypass	Left	Right	Bypass
Critical Headway (s)				4.9763	1	4,5436	4.5436			4.9763		4.5436	4.5436	
Follow-Up Headway (s)				2.6087	1	2.5352	2.5352			2,6087		2.5352	2.5352	
Flow Computations	, Capa	city a	nd v/c	Ratio	s	. 7	A	1.4				1	V	200
Approach		-		EB		T	WB			NB			SB	
Lane			Left	Right	Bypass	Left	Right	Bypass	Left	Right	Bypass	Left	Right	Bypass
Entry Flow (v.), pc/h				396	1	837	66			77		64	6	
Entry Volume, veh/h				388	1	821	65			75	T	63	6	
Circulating Flow (vr), pc/h				168			14			449			844	
Exiting Flow (v.,), pc/h				512			746			73			715	
Capacity (c <sub>p-</sub> ), pc/h				1163	T	1402	1402			873		659	659	
Capacity (c), veh/h				1138		1359	1359			855		645	645	
v/c Ratio (x)				0.34		0.60	0.05			0.09		0.10	0.01	
Delay and Level of	Service	e		1	1	-		4				*		
Approach				EB		T	₩B		T	NB		T	28	
Land		-	Left	Right	Bypass	Left	Right	Bypass	Left	Right	Bypass	Left	Right	Вураз
Lane Control Delay (d), s/ve	eh			6.5	1	9.6	3.0	1	1	5.1		6.7	5.7	
Lane LOS				A		A	A			A		A	А	
95% Queue, veh				1.5	1	4.3	0.1			0.3		0.3	0.0	
Approach Delay, s/veh				6.5			9.1			5,1			6.6	
Approach EOS				А			А			Α			А	
Intersection Delay, s/veh   I	.OS		1			8.1						A		

的主体和特殊	41,300			1100	, Itou	ndabo				57.58		-	THE RESERVE	-
General Information			1		Y	Sit	e Infor	mation						
Analyst	MSH				1			Interse	ction			igle Canyo		orhood
Agency or Co.	Solaeg	jui Engin	eers		16	T	A.	E/W St	reet Nar	ne		igle Canyo		
Date Performed	8/23/2	2021			1		1	et .	eet Nan			eighborho	od Way/E	mber Dr
Analysis Year	2021				1, 1	•		Analys	is Time I	Period (hr.	s) 0.	25		
Time Analyzed	AM Ex	isting 4	Project		1		1	Peak H	lour Fact	tor	0.	90		
Project Description						~	1	Jurisdi	ction		W	rashioe Cou	unty	
Volume Adjustment	and S	Site C	haract	eristic	5			ik ii						
Approach	Γ		В	T		MB			N	8			SB	1
Movement	U	L	ľ	R	U	L I	R	U	L	T	R	) L	1	R
Number of Lanes (N)	0	0	1	0	0	0 1	1	0	0	1	0	0 0	1	1
Lane Assignment			LT	R	ĻŢ		Ŕ			LTF		ĽT.		R
Volume (V), veh/h	0	6	829	17	0	88 98	7 56	0	22	5	113	0 75	4	17
Percent Heavy Vehicles, %	2	2	2	2	2	2 2	2 2	2	2	Z	2	2 2	2	2
Flow Rate (v∘œ), pc/h	0	7	940	19	0	100 11	19 63	0	25	6	128	0 85	5	19
Right-Turn Bypass	+-	No	one			None			No	inte			None	
Conflicting Lanes	-		1			1				1			1	
Pedestrians Crossing, p/h	-		10			10		1	1	0			10	
Critical and Follow-	In He	adwa	v Adiu	stmen	t									
	op ne	- 1	, ,,,,,,	EB		T	WB			N8		T	ŞB	
Approach			Left	Right	Bypass	Left	Right	Bypass	Left	Right	Bypass	Left	Right	Bypass
Lane			LERL	4,9763	Тоураз	4.5436	4,5436	1		4,9763	+	4.5436	4.5436	
Critical Headway (s)				2.6087	+	2,5352	<del> </del>			2.6087	+	2,5352	2.5352	
Follow-Up Headway (s)				1	1	1 20000	1				-	<u> </u>	-	-
Flow Computations	Capa	city a	ng v/c		5	1	LL OF			NB		T	SB	
Approach				EB		1-	MB	Т.		-	District	Left	Right	Вурая
Lane			Left	Right	Bypas	+	Right	Bypass	Left	Right	Bypass	90	19	- Jpan
Entry Flow (ve), pc/h				966		1219	63	-	<u></u>	159		+	19	-
Eritry Volume, veh/h				947		1195	62	1		156		88		
Circulating Flow (v.), pc/h				190			38			1032		-	1244	
Exiting Flow (ve), pc/h				1153			1163	γ		76		450	124 458	T
Capacity (cou), pc/h				1137	-	1372	1372		-	482		458	-	-
Capacity (c), veh/h				1113		1330	1330			472	-	449	449	-
v/c Ratio (x)				0.85		0.90	0.05	<u></u>	<u> </u>	0.33		0.20	0.04	
Delay and Level of	Servic	e										·		
Approach				EB			MB			NB		<del> </del>	SB	T
Lane			teft	Rìgh	Вура	s Left	Right	Bypass	Left	Righ	t Bypas		Right	Bypas
Lane Control Delay (d), s/v	eh			22.6		24.6	3.1			13.0	4	11.0	8.6	-
Lane LOS				C		С	A			8	1	8	A	+-
95% Queue, veh				11.1		14,4	0.1		-	1.4		0.7	0.1	-
Approach Delay, s/veh				22.6		_	23.5		<u> </u>	13.6	)	<u> </u>	10.5	
Approach LOS				C			Ç			В			В	-
Approach tos	and the second											C		

				-	Rour			mation		11.0				
ieneral Information	10.00				F	5/ Sit.	1111011	Interse	ction		Ea	gle Canyo	n/Neighb	orhood
Analyst	MSH			-		7			reet Nam	ie.	-	gle Canyo		
Agency or Co.	_	ui Engin	eers		1		10		eet Nam		No.	eighborho	od Way/E	mber Dr
Date Performed	8/23/2	1021			1		1 7			eriod (hrs)	0.3	25		
Analysis Year	2021						/		our Facto		a.	90		
Time Analyzed	PM Ex	isting +	Project		1	-		Jurisdie			W	ashoe Cor	unty	
Project Description						VÝ		1						
/olume Adjustments	and S	ite C	naract	eristics						i i				
Approach		E	В			WB		<u> </u>	NE				5B	
Movement	Ų	L	Т	R	U	LT	R	U	L	Т	R		T	R
Number of Lanes (N)	0	0	1	0	0 0	r c	1	0	0	1	0 (	) 0	1	
Lane Assignment			LT	R	ĹŤ		Ŕ			LTR		LT .		R
Volume (V), veh/h	0	9	339	5	0 9	2 64	7 91	0	6	2	61 (	72	-	8
Percent Heavy Vehicles, %	2	2	2	2	2	7. 2	2	2	2	2	2	2 2	2	2
Flow Rate (vva), pc/h	0	10	384	6	0 1	04 73:	3 103	0	7	2	69	92	6	9
Right-Turn Bypass		No	ne			None			No	1.6			Noné	
Conflicting Lanes			1			1			1				1	
Pedestrians Crossing, p/h	1	1	0			10			14	}			10	
Critical and Follow-	Jp He	adway	/ Adju	stment	1000		-							
Approach				EB			WB	T		NB			58	
Lane		-	Left	Rìght	Bypass	Left	Right	Bypass	Left	Right	Bypass	Left	Right	Bypass
Critical Headway (s)				4.9763		4.5436	4.5436			4.9763		4.5436	4.5436	
Follow-Up Headway (s)				2.6087		2,5352	2.5352			2.6087		2,5352	2.5352	
Flow Computations	Capa	city a	nd v/c	Ratios		S1764						181		
Approach	1000			EB			WB			NB			SB	
Lane			Left	Right	Bypass	Left	Right	Bypass	Left	Right	Bypass	Left	Right	Bypass
Entry Flow (v-), pc/h				400		837	103			78		88	9	
Entry Volume, veh/h				392		821	101			76		86	9	
Graphating Flow (v.), pc/h				192		<b> </b>	19	<u> </u>		476	1.1411		844	
CHEROTHER LIGHT (40) Post				535			749			115			116	
Enisting Flows (v., ) and (b)				1135		1396	1396	T		849		659	659	
Exiting Flow (v.a.), pc/h			i .			<del>-</del>	-			831	T	645	645	
Capacity (cp), pc/h				1111		1353	1353	1	1	1		-		
Capacity (c <sub>pre</sub> ), pc/h Capacity (c), veh/h				+		1353 0.61	0.07	<del> </del>		0.09		0.13	0.01	
Capacity (c <sub>pre</sub> ), pc/h Capacity (c), veh/h v/c Ratio (x)	Sarvic			1111		-	-					0.13	0.01	<u></u>
Capacity (c <sub>pre</sub> ), pc/h Capacity (c), veh/h v/c Ratio (x)  Delay and Level of	Servic	e		1111 0.35		-	0.07				io is	0.13	0.01 SB	<u></u>
Capacity (c <sub>pre</sub> ), pc/h Capacity (c), veh/h v/c Ratio (x) <b>Delay and Level of</b> Approach	Servic	e	Left	1111 0.35	Runsec	0.61	0.07 WB	Bypass	Left	0.09	Bypass			Bypas
Capacity (c <sub>pre</sub> ), pc/h Capacity (c), veh/h v/c Ratio (x) <b>Delay and Level of</b> Approach Lane		e	Left	1111 0.35 EB Right	Bypass	0.61 Left	0.07 WB Right	Bypass	Left	0.09 NB	Bypass		SB	Вураз
Capacity (cp.e), pc/h Capacity (c), veh/h v/c Ratio (x)  Delay and Level of Approach Lane Lane Control Delay (d), s/ve		e	Left	1111 0.35 EB Right 6.8	Bypass	0.61	0.07 WB	Bypass	Left	0.09 NB Right	Bypass	Lett	SB Right	Bypas
Capacity (c <sub>pre</sub> ), pc/h Capacity (c), veh/h v/c Ratio (x) <b>Delay and Level of</b> Approach Lane Lane Control Delay (d), s/vel Lane LOS		e	Left	1111 0.35 E8 Right 6.8	Bypass	0.61 Left 9.7	0.07  WB Right 3.2 A	Bypass	Left	0.09 NB Right 52	Bypass	Left 7.1	SB Right 5.7	Bypas
Capacity (c <sub>pre</sub> ), pc/h Capacity (c), veh/h v/c Ratio (x) <b>Delay and Level of</b> Approach Lane Lane Control Delay (d), s/ve		e	Left	1111 0.35 EB Right 6.8	Bypass	0.61 Left 9.7	0.07 WB Right 3.2	Bypass	Left	0.09 NB Right 5.2 A	Bypass	Left 7.1	SB Right 5.7	Вураз

Seneral Information					-782	Site	Infor	mation						
								Interse	ction		Eag	gle Canyo	n/Neighb	orthood
Analyst	MSH					-			reet Nam	NEI		gle Canyo		
Agency or Co.		jui Engir	ieers		1	400	1/3	1	reet Nam			righborho		mber Dr
Date Performed	8/23/2	2021			11		1			eriod (hrs)				
Analysis Year	2050								lour Facto		0.9	30		
Time Analyzed	AM Ba	950 		—F		4		Jurisdie			W	ashoe Cou	nty	
Project Description						*						- Contra		
/olume Adjustment	s and !	Site C	haract	eristic	\$		1,31							
Approach		Œ	В			WB		<u></u>	NE	-			ŞB	_
Movement	IJ	L	Ŧ	R	u	LT	R	U	L	T	R U	-	T	R
Number of Lanes (N)	0	0	1	D	0	0 1	1	0	0		0 0	0	1	1
Läne Assignment			LT	R	LT		R			LTR		n		R
Volume (V), veh/h	0	8	1277	26	0	136 152	0 63	0	34	6	174 (	_	5	20
Percent Heavy Vehicles, %	Z	2	2	2	2	2 2	2	2	2	2		2 2	Z	2
Flow Rate (vrd), pc/h	0	9	1447	29	0	154 172	3 71	Ð	39	7	197 (	78	6	23
Right-Tum Bypass		Ne	one One			None			No	né			None	
Conflicting Lanes			1			1			1				1	
Pedestrians Crossing, p/h	1		10			10	-	1	1	0			10	
Critical and Follow- Approach	op i ie	auwa	y Auju	EΒ			₩B			NB			ŞB	
Lane			Left	Right	Bypass	Left	Right	Bypass	Left	Right	Bypass	Left	Right	Bypass
Critical Headway (s)		J.		4.9763		4.5436	4.5436			4,9763		4.5436	4.5436	_
Follow-Up Headway (s)		n		2.6087		2.5352	2,5352			2.6087		2.5352	2,5352	
Flow Computations	, Capa	city a	nd v/c	Ratio	s									
Approach				ÉB			W8			NB			58	
Lane			Left	Right	Bypass	Left	Right	Bypass	Left	Right	Bypass	Left	Right	Bypas
Entry Flow (v <sub>r</sub> ), pc/h				1485		1877	71			243		84	23	<u> </u>
Entry Volume, veh/h				1456		1840	70			238		82	23	
Circulating Flow (v <sub>i</sub> ), pc/h				238			55			1534			1916	
Exiting Flow (va), pc/h				1722			1785			87	· · · · · · · · · · · · · · · · · · ·		189	
Capacity (co.,), pc/h				1083		1351	1351			289	<u> </u>	248	248	-
Capacity (c), veh/h				1060	1	1310	1310			283		243	243	-
v/c Ratio (x)				1.37		1.41	0.05		L	0.84	<u></u>	0.34	0.09	<u></u>
Delay and Level of	Servic	e			n	Ti								
Approach				EB		T	WB			NB			\$B	
			Left	Right	Bypas	s Left	Right	Bypass	Left	Right	Вураза	Left	Right	Вураз
Lane	eh			188.2		199.1	3.2			59.4		23.9	16.8	_
Lane Control Delay (d), s/v			1	F		F	A			F		С	Ċ	1
		17/2000			-							1 4 4	E 0.3	191
Lane Control Delay (d), s/v				58.8		75.5	0.2		<u> </u>	7.1		1,4	0.3	1
Lane Control Delay (d), s/v				58.8 188.2		75.5	1920	<u> </u>		7.1 59.4	<u></u>	1,4	22.3 C	1

General Information		-	-	7.	-	S	te Inf	orn	nation				1.		
	MSH				14 .35			1	Interse			E	igle Cany	on/Neighb	boomood
Analyst		aut fasi	1000	$\rightarrow$		-	1		E/W SI	treet Nar	THÉ	-	agle Cany		
Agency or Co.	_	gui Engir		-	1			Ve		reet Nan		_		ood Way/l	Ember Dr
Date Performed	8/23/3	2021	-		4		<b>a</b> .	-		-	eriod (hrs		25		
Analysis Year	2050				*		1			lour Fact			90		
Time Analyzed	PM Ba	ase		-					Jurisdi		-		tashoe Co	untv	
Project Description						V	•		Jansa						
Volume Adjustment	s and	Site C	haract	eristic	5				and and	21					
Approach		E	В			WB				N	В			\$8	
Movement	Ü	L	Т	R	U	L	Т	R	U	Ĺ	Т	R i	) L	T	R
Number of Lanes (N)	0	0	1	Ó	0	0	1	1	0	0	1	0	0 (	1	1
Lane Assignment			u	TR	LT		R				LTR		LT		R
Volume (V), veh/h	0	8	522	8	0	142 !	396	89	0	9	2	94	30	6	8
Percent Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2	2 2	2	2
Flow Rate (w/cz), pc/h	0	9	592	9	0	161 1	129	101	0	10	2	107	0 91	7	9
Right-Turn Bypass	1	Nic	one	1		None				No	ńė			Nane	
Conflicting Lanes	s 1				A-WANG	1			T	1	I			1	
Pedestrians Crossing, p/h		10				10				1	Ď			10	
Critical and Follow-	rossing. p/h 10 nd Follow-Up Headway Adjustr				t						- The same		- 1		
Approach		T		EB		T	WE				NB			SB	
Lane			Left	Right	Bypass	Left	Righ	it :	Bypass	Left	Right	Bypass	Left	Right	Bypass
Critical Headway (s)				4.9763		4.5430	4.54	36			4.9763		4,5436	4,5436	
Follow-Up Headway (s)				2.6087		2.535	2.53	52			2.6087		2,5352	2.5352	
Flow Computations	Capa	city a	nd v/c	Ratios	\$					9.1					
Approach				EB		T	W	3			NB			\$B	
Lane			Left	Right	Bypas	Left	Rigi	nt I	Bypass	Left	Right	Bypass	Left	Right	Bypass
Entry Flow (v.), pc/h				610	1	1290	10	1			119		98	9	
Entry Volume, veh/h				598	<del>                                     </del>	1265	99	一			117		96	9	
Circulating Flow (v <sub>2</sub> ), pc/h				259		1	21				692			1300	
Editing Flow (v), pc/h	NAME OF STREET			790			114	А			112			177	
Capacity (Cpcc), pc/h				1060	T	1393	139	3			681		435	435	
Capacity (c), veh/h				1037	1	1350	135	0			667		427	427	
v/c Ratio (x)				0.58		0.94	0.0	7			0.17		0.23	0.02	
Delay and Level of	Service	ė		11											
Approach				EB	<del></del>	7	W	ß			NB			SB	
Lane			Left	Right	Bypas	s Left	Rig	ht	Bypass	Left	Right	Bypass	I,eft	Right	8ypass
Lane Control Delay (d), s/ve	——— h		_	11.0	†	29.5	3.1	2			7.4		12.0	8.7	
Lane LOS				8	1	D	A	1			A		В	A	
				3.8	1	17.1	0.	2			0.6		0.9	0.1	
95% Queue, veh					-	-1					7.4		1	11.7	
95% Queue, veh Approach Delay, s/veh				11.0		1	27	.6			7.4			11.7	

General Information	THE STATE OF	B 1 30				ndabo Sit	-	mation		al representati				
	MSH				L			Interse			E	agle Cany	on/Neight	porhood
Analyst		gui Engii	7990		/	( -		E/W S	treet Nar	ne	E	agle Cany	on Road	
Agency or Co.	8/23/2		10010		1			N/S SI	reet Nan	ne	I N	leighborh	ood Way/l	Ember Dr
Date Performed	2050	2021			1		1			Period (hrs		.25	-	
Analysis Year	-	ase + Pro			1		/ /		four Fact			.90		
Time Analyzed	AIVI B	ase + FTG	Merc r			<b>→</b>		Junisdi		-	- t v	/ashoe Co	unty	
Project Description		-	-72		a t- A	V								
Volume Adjustment	and !	Site C	haract	eristic	<b>S</b>				= -	No.				
Approach		E	В			WB			N	В			SB	
Movement	U	Ł	T	R	U	LT	R	ย	L	Т	R	U L	T	R
Number of Lanes (N)	0	0	1	0	0	0 1	1	0	0	1	0	0 0	1	1
Lane Assignment			LĨ	R	ពី		R			LTR		t.T		R
Volume (V), veh/h	0	9	1277	26	D 1	36 152	20 78	0	34	7	174	0 99	6	24
Percent Heavy Vehicles, %	2	2	2	2	2	2 2	2	2	2	2	2	2 2	2,	2
Flow Rate (wor), pc/h	0	10	1447	29	0	154 172	23 88	0	39	8	197	0 11.	2 7	27
Right-Turn Bypass						None			No	пе			None	
Conflicting Lanes	1					1			1				1	
Pedestrians Crossing, p/h		1	iQ.			10			1	0			10	
Critical and Follow-	Јр Не	adway	Adju	stmen	t e									
Approach			-	EB			WB			N8			SB	
Lane			Left	Right	Bypass	Left	Right	Bypass	Left	Right	Bypass	Left	Right	Bypass
Critical Headway (s)				4.9763		4.5436	4.5436			4.9763		4.5436	4,5436	
Follow-Up Headway (s)				26087		2.5352	25352			2.6087		2,5352	2.5352	
Flow Computations	Capa	city a	nd v/c	Ratios				7			18	M		- 11-00 V TO 814 V
Approach	a de la designa			EB		T	WB		_	NB			SB	
Lane			Left	Right	Bypass	l,eft	Right	Bypass	Left	Right	Bypass	Left	Right	Bypass
Entry Flow (v-), pc/h				1486	1	1877	88			244		119	27	
Entry Volume, veh/h				1457		1840	86			239		117	26	
EIRLY YOURIDE, VERVIE			-	273			57			1569			1916	
Circulating Flow (v <sub>c</sub> ), pc/h				441.00						106			190	,
				1756			1789			140				1
Circulating Flow (vr), pc/h			-,		1	1348	1789 1348	Γ		279		248	248	1
Circulating Flow (v <sub>c</sub> ), pc/h Exiting Flow (v <sub>e</sub> ), pc/h				1756		1348	1			7		248	248	
Circulating Flow (v <sub>c</sub> ), pc/h Exiting Flow (v <sub>w</sub> ), pc/h Capacity (c <sub>rc</sub> ), pc/h				1756		-	1348			279			-	
Circulating Flow (v <sub>c</sub> ), pc/h Exiting Flow (v <sub>a</sub> ), pc/h Capacity (c <sub>rc</sub> ), pc/h Capacity (c), veh/h v/c Ratio (x)	Service	ė		1756 1045 1023		1307	1348			279 273		243	243	
Circulating Flow (v <sub>c</sub> ), pc/h Exiting Flow (v <sub>e</sub> ), pc/h Capacity (c <sub>rc</sub> -), pc/h Capacity (c), veh/h v/c Ratio (x)  Delay and Level of 3	Servic	è		1756 1045 1023		1307	1348			279 273		243	243	
Circulating Flow (v <sub>c</sub> ), pc/h Exiting Flow (v <sub>a</sub> ), pc/h Capacity (c <sub>rc</sub> ), pc/h Capacity (c), veh/h v/c Ratio (x)	Service	ė	Left	1756 1045 1023 1.42	Bypass	1307	1348 1307 0.07	Bypacs	Left	279 273 0.88	Bypass	243	243 0.11	Bypas:
Circulating Flow (vc), pc/h Exiting Flow (va), pc/h Capacity (c <sub>rc*</sub> ), pc/h Capacity (c), veh/h v/c Ratio (x)  Delay and Level of S Approach		ė	Left	1756 1045 1023 1.42 E8	Bypass	1307	1348 1307 0.07 WB	Bypacs	Left	279 273 0.88 NB	Bypass	243	243 0.11	Вурас
Circulating Flow (vc), pc/h Exiting Flow (va), pc/h Capacity (c <sub>rc</sub> ), pc/h Capacity (c), veh/h v/c Ratio (x)  Delay and Level of S Approach Lane		ė	Left	1756 1045 1023 1.42 E8 Right	Bypass	1307 1.41	1348 1307 0.07 WB	Bypacs	Left	279 273 0.88 NB Right	Bypass	243 0.48 Left	243 0.11 S8 Right	Bypas:
Circulating Flow (v <sub>c</sub> ), pc/h Exiting Flow (v <sub>e</sub> ), pc/h Capacity (c <sub>rc</sub> ), pc/h Capacity (c), veh/h v/c Ratio (x)  Delay and Level of S Approach Lane Lane Control Delay (d), s/ve		ė	Left	1756 1045 1023 1.42 E8 Right 210.7	Bypass	1307 1,41 Left 200.2	1348 1307 0.07 WB Right 3.3	Bypass	Left	279 273 0.88 NB Right 67.0	Bypass	243 0.48 Left 30.1	243 0.11 S8 Right 17.1	Bypass
Circulating Flow (vc), pc/h Exiting Flow (va), pc/h Capacity (c <sub>nc</sub> ), pc/h Capacity (c), veh/h v/c Ratio (x)  Delay and Level of S Approach Lane Lane Control Delay (d), s/vel Lane LOS		ė	Left	1756 1045 1023 1.42 E8 Right 210.7	Bypass	1307 1,41 Left 200.2	1348 1307 0.07 WB Right 3.3	Bypacs	Left	279 273 0.88 NB Right 67.0	Bypass	243 0.48 Left 30.1 D	243 0.11 S8 Right 17.1	Bypas

				LICS	/ KO	ındabı			STALL.		107			10 pm
General Information		50 1000 				Si	te Info	rmation	1					
Analyst	MSH							Inters	ection		É	agle Cany	on/Neighl	orhood
Agency or Ca.	Solae	gui Engli	neers			-	A	E/W S	treet Na	me		agle Cany		
Date Performed	8/23/	2021			/			N/S S	treet Na	me	N	leighborh	ood Way/l	mber Di
Analysis Year	2050				1		) 1	Analy	sis Time	Period (hr	s) ()	.25		
Time Analyzed	PM Ba	ase + Pro	ject		*		1	Peak	Hour Fac	tor	0	.90		
Project Description						7	1	Juriso	liction		v	Vashoe Co	unty	
Volume Adjustments	and	Site C	haract	eristic	s		1					7		
Approach		É	В			WB			١	18			SB	
Movement	U	L	Т	R	u	L	R	U	Ŀ.	T	R	U L	T	R
Number of Lanes (N)	0	0	1	0	0	0	1	0	O	1	0	0 0	1	1
Lane Assignment			LI	R	LT		R			ETT	t _	LT		R
Volume (V), veh/h	0	12	57.2	8	Ö	142 9	96 12	2 0	9	3	94	0 10	0 7	11
Percent Heavy Vehicles, %	2	2	2	2	2	2 .	2 2	2	2	2	2	2 2	2	2
Flow Rate (vice), pc/h	0	14	592	9	0	161 11	29 13	В 0	10	3	107	0 11	3 8	12
Right-Turn Bypass		No	one			None			N	one			None	
Conflicting Lanes		10				1				1			1	
Pedestrians Crossing, p/h			10			10				10			10	
Critical and Follow-U	Jp He	adway	, Adju	stmen	t	v		14		3		Ţ		
Approach		T		EB			WB			NB			SB	
Lane		1	Left	Right	Bypas	s Left	Right	Bypass	Left	Right	Bypass	Left	Right	θypas:
Critical Headway (s)				4.9763		4,5436	4.5436			4.9763		4,5436	4,5436	
Follow-Up Headway (s)				2,6087		2.5352	2.5352			2.6087		2.5352	2.5352	
Flow Computations,	Capa	city a	nd v/c	Ratio	<u> </u>								(e)	
Approach		7		EB		T	WB			NB			SB	
Lane			Left	Right	Вураѕ	s Left	Right	Bypass	Left	Right	Bypass	Left	Right	Bypas
Entry Flow (ve), pc/h				615		1290	138			120		121	12	
Entry Volume, veh/h				603		1265	135	1		118	T	119	12	
Circulating Flow (v.), pc/h				282	1	1	27	-		719			1300	-W111-58
Exiting Flow (v.,), pc/h				812			1151			155			178	
Capacity (Gree), pc/h				1035		1386	1386			663		435	435	
Capacity (c), veh/h				1013	1	1343	1343			649		427	427	
v/c Ratio (x)				0.59	T	0.94	0.10			0.18		0,28	0.03	
Delay and Level of S	ervic	9		-					l andre					
Approach				EB			₩₿			NB			\$B	
Lane			Left	Right	Bypas	s Left	Right	Bypass	Left	Right	Bypass	Left	Right	Bypas
Lane Control Delay (d), s/vel	h	W-C SC III		11.6		30.4	3.5			7.7		13.1	8.8	
Lane LOS				В		D	A			A		B	A	
95% Queue, veh				4.1		17.4	0.3			0.7		1.1	0.1	
Approach Delay, s/veh	1100			11.6			27.8			7.7			12,7	
				В		1	D			A			в	
Approach LOS			1											

General Information	10,000		W 360			Sit	e Infor	mation						
Analyst	MSH				- 4	<b>!</b>		Inters	ection		E	agle Cany	on/Neight	orhood
Agency or Co.	Solaer	jui Engi:	neers	$\neg$		+		E/W S	treet Nar	ne	Ez	sgle Cany	on Road	
Date Performed	8/23/2				1		1	N/S SI	reet Nan	пе	N	eighborh	ood Way/I	Ember Dr
Analysis Year	2050				+		1	Analy:	is Time I	Period (hrs	) 0,	25		
Time Analyzed	AM Ba	ase		-	1			Peak I	lour Fact	ог	0.	90		
Project Description	w/imp	voveme	ntș			<u>;</u>	1	Jurisdi	iction		N	/ashoe Co	unty	
Volume Adjustment	s and s	Site C	haract	eristic	S			-						
Approach			В	T		₩B			N	В			82	
Movement	U	L	T	Ř	U	L T	R	U	L	т	R	J	r	R
Number of Lanes (N)	0	0	2	0	0	0 2	0	0	0	1	0	0 0	1	1
Lane Assignment	1	ī	Т	R	IJ		TR			ETR		ĹΪ		Ř
Volume (V), veh/h	0	8	1277	26	0	136 153	20 63	0	34	6	174	0 69	5	20
Percent Heavy Vehicles, %	2	2	2	2.	2	2 2	2	Ż	2	2	2	2 2	2	2
Flow Rate (wcs), pc/h	0	9	1447	29	0	154 17	23 71	U	39	7	197	0 78	6	23
Right-Turn Bypass	None 1					None			No	ne			None	
Conflicting Lanes	1					1			2	<u>}</u>			2	
Pedestrians Crossing, p/h	T	1				10			1	0			10	
Critical and Follow-	Јр Не	adwa	y Adju	stmen	t									
Approach			-	EB			WE			NB			SB	
Lane			Left,	Right	Bypass	Left	Right	Bypass	Left	Rìght	Bypass	Left	Right	Bypass
Critical Headway (s)			4.5436	4,5436		4.5436	4.5436			4,3276		4.6453	4,3276	
Follow-Up Headway (s)			2,5352	2.5352		2.5352	2.5352			2,5352		2.6667	2.5352	
Flow Computations	Capa	city a	nd v/c	Ratios	•									,
Approach				₹B			WB			NB			5B	
Lane			Left	Right	Bypass	Left	Right	Bypass	Left	Right	Bypass	Left	Right	Bypass
Entry Flow (va), pc/h			698	787		916	1032			243		84	23	
Entry Volume, volvh	157		684	772		898	1012			238		82	23	
Circulating Flow (v <sub>t</sub> ), pc/h	il see			238			55			1534			1916	
Exiting Flow (v), pc/h				1722			1785			87			189	
Capacity (c,), pc/h			1143	1143		1351	1351			385		232	279	1
Capacity (c), veh/h			1111	1111		1310	1310			378		227	273	
v/c Ratio (x)			0.62	0.69		0.69	0.77			0.63	<u> </u>	0.36	0.08	<u> </u>
	Service	2					1						2	
Delay and Level of				EB		T	WB.			NB			82	
Delay and Level of S			Left	Right	Bypass	Left	Right	Bypass	Left	Right	Bypass	Left	Right	Bypass
						1	15.2			27,6	1	26.4	14.8	
Approach	ħ		11,4	13.7		11.9	1.52	1					-	
Approach Lane	ħ		11,4 B	13.7 B		B B	c			D		D	В	
Appreach  Lane  Lane Control Delay (d), s/ve	h			1		-	+			D 4.1		D 1.6	0.3	
Appreach  Lane  Lane Control Delay (d), s/ve  Lane LOS	h		В	В		В	С			+		+-	1-	

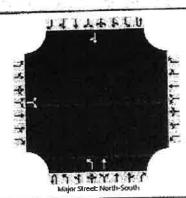
			70	HCS	7 Rou	ndabo	outs R	eport						
General Information		T VIII				Sit	e Info	mation		36.				
Analyst	MSH				1		Visit.	Inters	ection		E	agle Cany	on/Neighb	orhood
Agency or Co.	Solaes	jui Eng	ineers			=		E/W S	treet Nar	ne	€	agle Cany	on Road	
Date Performed	8/23/2	2021			1			N/S S	treet Nan	ne	N	leighborh	ood Way/I	Ember Dr
Analysis Year	2050				1	9	) 1 )		sis Time l	Period (hrs	) 0.	.25		
Time Analyzed	PM Ba	ISE			1		1	Peak I	lour Fact	юr	0.	.90		
Project Description	w/lmp	novem	ents			<del>,</del>	1	Jurisd	iction		٧	Vashoe Co	runty	
Volume Adjustment	and S	Site (	haract	eristic					18.		N <sub>1</sub> P <sub>2</sub>			
Approach			EB			WB			N	В			SB	,
Movement	U	L	Т	R	U	L 7	R	Ų	L	T,	R	U L	T	R
Number of Lanes (N)	0	0	2	0	0	0 2	0	0	0	1	0	0 0	1	1
Lane Assignment		Τ.	T	R	LT		TR			LIR		LF		R
Volume (V), veh/h	0	8	522	8	0	142 99	6 89	0	9	2	94	0 80	6	8
Percent Heavy Vehicles, %	2	2	2	2	2	2 2	2 2	2	2	2	2	2 2	2	2
Flow Rate (vvcr), pc/h	0	9	592	9	0	161 11	29 101	0	10	2	107	0 9	7	9
Right-Turn Bypass		P	lone			None			No	ne			None	
Conflicting Lanes	cting Lanes 1					1			ā	<u>}</u>			Z	
Pedestrians Crossing, p/h	g micr					10			1	Ò			10	
Critical and Follow-	Jo He	adwa	y Adju	stmen		- 1			7		1.5			
Approach		-		EB		T	WB			NB			SB	
Lane			Left	Right	Bypass	Left	Right	Bypass	Left	Right	Bypass	Left	Right	Bypass
Critical Headway (s)			4.5436	4.5436		4.5436	4.5436			4.3276		4,6453	4,3276	
Follow-Up Headway (s)			2.5352	2,5352		2.5352	2.5352			2.5352		2.6667	2.5352	
Flow Computations	Capa	city a	nd v/c	Ratios					47.714	70 3 5				- 19
Approach				EB			WB			NB			SB	
Lane			Left	Right	Bypass	Left	Right	Bypass	Left	Right	Bypass	Left	Right	Bypass
Entry Flow (v.), pc/h			287	323		654	737			119		98	9	
Entry Volume, veh/h			281	317		641	723			117		96	9	
Circulating Flow (v.), pc/h		MILE CONTRACT	1	259		T	21			692			1300	
Exiting Flow (v), pc/h				790			1148			112			177	
Capacity (c <sub>oo</sub> ), pc/h			1122	1122		1393	1393			789		408	470	
Capacity (c), veh/h			1090	1090		1350	1350			772		400	461	
v/c Ratio (x)			0.26	0.29		0.47	0.54			0.15		0.24	0.02	
Delay and Level of	Service	e												
Approach				EB			₩B			NB			ŚB	
Lane			Left	Right	Bypass	Left	Right	Bypass	Left	Right	Bypass	Left	Right	Bypas
Lane Control Delay (d), s/ve	h		5.7	6.1		7.4	8.4			6.2		13.0	8.1	1
Lane LOS			A	А		A	A			A	<u> </u>	В	Α	1
95% Queue, veh			1.0	1.2		26	3.3	1		0.5		0.9	0.1	1
Approach Delay, s/veh				5.9			7,9	more post		6.2			126	
Approach LOS				A			Α			A			В	
Intersection Delay, s/veh   t	.OS					7.5		Version 7.0				A nerated:		4.70.44

				MAISSAIL		ndabo	CONTRACTOR (1)	The Control of the		The state of the s	-	-		
ieneral Information		- 1		-	-		Infor					ule Comm	n/ <b>Ne</b> ighbo	orbood
Analyst	MSH				1	*		Intersec				-	- CANADA	MINOOU
Agency or Co.	Soleeg	rui Engin	eers	T.	1	-	1		eet Nam			gle Canyo		-bar De
Date Performed	8/23/2	.021			/ /		2		eet Nam				od Way/Ei	mber or
Analysis Year	2050			5	1	•		Analysis	s Time Pe	eriod (hrs)	_			
Time Analyzed	AM Ba	ise + Pro	oject	-	1 =		1	Peak He	our Facto	)r	0.9			
Project Description	w/imp	roveme	nts				1	Jurisdio	tion		W	ashoe Cou	inty	
/olume Adjustments	and S	ite C	aract	eristics		17								
Approach		E		T		WB			NB				SB	
Movement	u	L	т	R	U	LT	R	U	L	Т	R L	J L	T	R
Number of Lanes (N)	0	0	2	0	0	0 2	0	0	0	1	0 (	0	1	1
Lane Assignment		T	TI		LT	$\neg$	TR			LTR		U		R
	0	9	1277	26	0	36 152	0 78	0	34	7	174 (	99	6	24
Volume (V), veh/h	2	2	2	2	2	2 2	2	2	2	2	2 2	2 2	2	3
Percent Heavy Vehicles, %	<del> </del>	10	1447	29	-	154 172	3 88	0	39	8	197	0 112	7	27
Flow Rate (vss), pc/h	0	L				None		+	Nor		$\neg \vdash$		None	
Right-Turn Bypass	<del> </del>	None 1				1		+	2				2	
Conflicting Lanes	<del> </del>	1 10				10		+-	10		$\dashv$		10	
Pedestrians Crossing, p/h						10				THE PERSON NAMED IN				
Critical and Follow-	Jp He	adwa	y Adju	stmen	t .									
Approach				EB			WB			NB	_		SB	
Lane			Left	Right	Bypass	Left	Right	Bypass	Left	Right	Вуразѕ	Left	Right	Bypas
Critical Headway (s)			4,5436	4.5436		4,5436	4.5436			4.3276		4.6453	4,3276	-
Follow-Up Headway (s)			2.5352	2.5352		2.5352	2.5352			2.5352		2.6667	2.5352	<u> </u>
Flow Computations	Capa	city a	nd v/c	Ratio			×.							
Approach				EB	-		WB			NB			SB	
Lane			Left	Right	Bypass	Left	Right	Bypass	Left	Right	Bypass	Left	Right	Bypas
				-	-	924	1041			244		119	27	
			698	788	1		10-11				7	137	2.6	
Entry Flow (v.), pc/h			698 685	772	-	905	1021			239	1			
Entry Flow (v.), pc/h Entry Volume, veh/h			698 685	772		-	-			1569	1		1916	
Entry Flow (v <sub>*</sub> ), pc/h Entry Volume, veh/h Circulating Flow (v <sub>*</sub> ), pc/h				772 273		-	1021						1916 190	
Entry Flow (v.), pc/h Entry Volume, veh/h Circulating Flow (v.), pc/h Exiting Flow (v.a.), pc/h			685	772 273 1756		905	1021 57 1789			1569	! 	232		
Entry Flow (v.), pc/h Entry Volume, veh/h Circulating Flow (v.), pc/h Exiting Flow (v.), pc/h Capacity (c <sub>ixe</sub> ), pc/h			1108	772 273 1756 1108		905	1021 57			1569			190	
Entry Flow (v <sub>e</sub> ), pc/h Entry Volume, veh/h Circulating Flow (v <sub>e</sub> ), pc/h Exiting Flow (v <sub>e</sub> ), pc/h Capacity (c <sub>ree</sub> ), pc/h Capacity (c), veh/h			1108 1076	772 273 1756 1108 1076		905 1348 1307	1021 57 1789 1348			1569 106 374		232	190	
Entry Flow (v.), pc/h  Entry Volume, veh/h  Circulating Flow (v.), pc/h  Briting Flow (v.), pc/h  Capacity (cr.e), pc/h  Capacity (c), veh/h  v/c Ratio (x)	Sarvic		1108	772 273 1756 1108		905	1021 57 1789 1348 1307			1569 106 374 367		232	190 279 273	
Entry Flow (v.), pc/h Entry Volume, veh/h Circulating Flow (v.), pc/h Exiting Flow (v.), pc/h Capacity (c <sub>rce</sub> ), pc/h Capacity (c), veh/h v/c Ratio (x)  Delay and Level of	Servic	e	1108 1076	772 273 1756 1108 1076 0.72		905 1348 1307	1021 57 1789 1348 1307			1569 106 374 367		232	190 279 273	
Entry Flow (v.), pc/h  Entry Volume, veh/h  Circulating Flow (v.), pc/h  Exiting Flow (v.), pc/h  Capacity (c <sub>rc</sub> ), pc/h  Capacity (c), veh/h  v/c Ratio (x)  Delay and Level of  Approach	Servic	e	1108 1076 0.64	772 273 1756 1108 1076 0.72	Bunar	905 1348 1307 0.69	1021 57 1789 1348 1307 0.78	Bypass	Left	1569 106 374 367 0.65	Bypass	232 227 0.51	190 279 273 0.10	Вура
Entry Flow (v.), pc/h  Entry Volume, veh/h  Circulating Flow (v.), pc/h  Exiting Flow (v.), pc/h  Capacity (cx.), pc/h  Capacity (c), veh/h  v/c Ratio (x)  Delay and Level of  Approach  Lane		e	1108 1076 0.64	772 273 1756 1108 1076 0.72 E8	Bypas	905 1348 1307 0.69	1021 57 1789 1348 1307 0.78 W8	Bypass	Left	1569 106 374 367 0.65	Bypass	232 227 0.51	190 279 273 0.10	Вура
Entry Flow (v.), pc/h Entry Volume, veh/h Circulating Flow (v.), pc/h Exiting Flow (v.), pc/h Capacity (c <sub>rce</sub> ), pc/h Capacity (c), veh/h v/c Ratio (x)  Delay and Level of Approach Lane Lane Control Delay (d), s/ve		e	1108 1076 0.64 Left 12.2	772 273 1756 1108 1076 0.72 E8 Right 14.9	Bypass	905 1348 1307 0.69 Left 12.2	1021 57 1789 1348 1307 0.78 W8 Right 15.7	Вурась	Left	1569 106 374 367 0.65 NB	Bypass	232 227 0.51	190 279 273 0.10 58 Right	Вура
Entry Flow (v.), pc/h Entry Volume, veh/h Circulating Flow (v.), pc/h Edding Flow (v.), pc/h Capacity (c <sub>rc</sub> ), pc/h Capacity (c), veh/h v/c Ratio (x)  Delay and Level of Approach Lane Lane Control Delay (d), s/velane LOS		e	685 1108 1076 0.64 Left 12.2 8	772 273 1756 1108 1076 0.72 E8 Right 14.9 8	Bypas	905 1348 1307 0.69 Left 12.2 B	1021 57 1789 1348 1307 0.78 W8 Right 15.7	Bypass	Left	1569 106 374 367 0.65 NB Right 29.7	Bypass	232 227 0.51 Left 34.1	190 279 273 0.10 58 Right 15.3	Вура
Entry Flow (v.), pc/h Entry Volume, veh/h Circulating Flow (v.), pc/h Exiting Flow (v.), pc/h Capacity (c <sub>rce</sub> ), pc/h Capacity (c), veh/h v/c Ratio (x)  Delay and Level of Approach Lane Lane Control Delay (d), s/vi Lane LOS 95% Queue, veh		ė	1108 1076 0.64 Left 12.2	772 273 1756 1108 1076 0.72 E8 Right 14.9 B	Bypas	905 1348 1307 0.69 Left 12.2	1021 57 1789 1348 1307 0.78 W8 Right 15.7 C	Вурась	Left	1569 106 374 367 0.65 N8 Right 29.7 D	Bypass	232 227 0.51 Left 34.1 B	190 279 273 0.10 5B Right 15.3 C	Вура
Entry Flow (v.), pc/h Entry Volume, veh/h Circulating Flow (v.), pc/h Editing Flow (v.), pc/h Capacity (c <sub>r.</sub> ), pc/h Capacity (c), veh/h v/c Ratio (x)  Delay and Level of Approach Lane Lane Control Delay (d), s/velane LOS		e	685 1108 1076 0.64 Left 12.2 8	772 273 1756 1108 1076 0.72 E8 Right 14.9 8	Bypas	905 1348 1307 0.69 Left 12.2 B	1021 57 1789 1348 1307 0.78 W8 Right 15.7	Вурась	Left	1569 106 374 367 0.65 N8 Right 29.7	Bypass	232 227 0.51 Left 34.1 B	190 279 273 0.10 58 Right 15.3 C	Вура

				20000	7 Roun	ACCRECATE VALUE OF THE PARTY OF	Inform								
eneral Information				-	-		11110111	Intersec	fice	-	-	agle Cany	von/t	Meighbo	rhood
Analyst	M\$H			_	1	-						Eagle Can			
Agency or Co.	Solaeg	ui Engin	eers		1	-	THE PERSON NAMED IN	E/W Str				Neighbort			nber Dr
Date Performed	8/23/2	021					1			eriod (hr.		0.25			
Analysis Year	2050						1					0.90	-		
Time Analyzed	PM Ba	se+ Proj	ect						our Facto	н		Washoe C	aunt.	v	********
Project Description	w/lmp	rovemer	rts		1	V+		Jurisdic	uon			************			
folume Adjustments	and S	ite Cl	naracte	eristics			/2			\	<del></del>	47.15		ئن <u>۔ سٽ</u>	
Approach		Ę				WB.			NB	-	_		SI		
Movement	u	Ļ	T	R	Ú L	Т	R	U			R	U		T	R
Number of Lanes (N)	0	0	2	0	0 0	2	0	0	0	1	0		0	1	1
Lane Assignment	L	T	TF		Lī		TŘ			LI		LX.			R
Volume (V), veh/h	0	12	522	8	0 14	12 996	122	0	9	3	94		00	7	11
Percent Heavy Vehicles, %	2	2	2	2	2 2	2 2	2	7	2	2	2		2	2	2
Flow Rate (Vex.), pc/h	0	14	592	9	0 16	112	9 138	0	10	3	107	0 1	13	8	12
Right-Turn Bypass		No	one			None			No					one	
Conflicting Lanes			1			1			2		$\dashv$			2	
Pedestrians Crossing, p/h			10			10			11	9			-	10	
Critical and Follow-	Up He	adwa	v Adju	stmen	t										
Approach		1		EB	1		WB			NB				58	
			Left	Right	Bypass	Left	Right	Bypass	Left	Right	Bypas	s Left		Right	Bypas
Lane					-	4.5436	4.5436			4,3270	3	4,645	3 4	4.3276	
(م) وعوديات مواواتي دارو مر		1	4 5430	4.5450	1 1	4,3450	7.3720			1					
Critical Headway (s)			4,5436 2,5352	4.5436 2.5352	+-+	2.5352	2.5352			2.535	2	2.666	7 :	2.5352	
Follow-Up Headway (s)	Fano	eite o	2.5352	2.5352							2	2.666	7	2.5352	
Follow-Up Headway (s) Flow Computations	, Capa	city a	2.5352	2.5352 <b>Ratio</b>			2.5352				2	2.666	7]	2.5352 58	
Follow-Up Headway (s)	, Cape	city a	2.5352 nd v/c	2.5352 <b>Ratio</b> 68	s	2.5352	2.5352 WB	Bunass	Left	2.535		1_			Bypas
Follow-Up Headway (s)  Flow Computations  Approach  Lane	, Cape	city a	2.5352 nd v/c	2.5352 Ratio 68 Right		2.5352 Left	2.5352 WB Right	Bypass	Left	2.53S	Вура	1_	_ 	SB	Bypas
Follow-Up Headway (s) Flow Computations Approach	, Capa	city a	2.5352 nd v/c Left 289	2.5352 <b>Ratio</b> 68 Right 326	s	2.5352 Left 671	2.5352 WB Right 757	Bypass	Left	2.535. NB Right	: Вура	ss Left		SB Right	Bypas
Follow-Up Headway (s)  Flow Computations  Approach  Lane	, Capa	city a	2.5352 nd v/c	2.5352 <b>Ratio</b> 68  Right 326 320	s	2.5352 Left	2.5352 WB Right 757 742	Bypass	Left	2.535. NB Right 120	t Bypa	SS Left		SB Right	Bypas
Follow-Up Headway (s)  Flow Computations  Approach  Lane  Entry Flow (va), pc/h	, Capa	city a	2.5352 nd v/c Left 289	2.5352 <b>Ratio</b> 68  Right 326 320 282	s	2.5352 Left 671	2.5352 WB Right 757 742 27	Bypass	Left	2.535.  NB Right 120 118 719	Вура	SS Left		SB Right 12 12	Bypas
Follow-Up Headway (s)  Flow Computations  Approach  Lane  Entry Flow (ve), pc/h  Entry Volume, veh/h	, Capa	city a	2.5352 nd v/c Left 289 283	2.5352 Ratio 68 Right 326 320 282 812	S Bypass	2.5352 Left 671 658	2.5352 WB Right 757 742 27 1151	Bypass	Left	2.535. NB Right 120 118 719	t Bypa	55 Left 121		58 Right 17 12 1300	Bypas
Follow-Up Headway (s)  Flow Computations  Approach  Lane  Entry Flow (va), pc/h  Entry Volume, veh/h  Circulating Flow (va), pc/h	, Capa	city a	2.5352 nd v/c Left 289 283	2.5352 <b>Ratio</b> 68  Right  326  320  282  812  1099	S Bypass	2.5352 Left 671 658	2.5352 WB Right 757 742 27 1151 1386	Bypass	Left	2.535.  NB  Right  120  118  719  155	Вура	SS Left 121 119 408		58 Right 12 12 1200	Bypas
Follow-Up Headway (s)  Flow Computations  Approach  Lane  Entry Flow (va), pc/h  Entry Volume, veh/h  Circulating Flow (va), pc/h  Exiting Flow (va), pc/h	, Capa	city a	2.5352 nd v/c Left 289 283 1099 1068	2.5352 Ratio 68 Right 326 320 282 812 1099 1068	S Bypass	2.5352 Left 671 658 1386 1343	2.5352 WB Right 757 742 27 1151 1386 1343	Bypass	Left	2.535.  NB Right 120 118 719 155 771 755	Вура	ss Left 121 119 400 400	3 3 3	58 Right 12 12 1300 178 470	Bypas
Follow-Up Headway (s)  Flow Computations  Approach  Lane  Entry Flow (va), pc/h  Entry Volume, veh/h  Circulating Flow (va), pc/h  Exiting Flow (va), pc/h  Capacity (Gaz), pc/h	, Capa	city a	2.5352 nd v/c Left 289 283	2.5352 <b>Ratio</b> 68  Right  326  320  282  812  1099	S Bypass	2.5352 Left 671 658	2.5352 WB Right 757 742 27 1151 1386	Bypass	Left	2.535.  NB  Right  120  118  719  155	Вура	SS Left 121 119 408	3 3 3	58 Right 12 12 1300 178 470	Bypas
Follow-Up Headway (s)  Flow Computations  Approach  Lane  Entry Flow (va), pc/h  Entry Volume, veh/h  Circulating Flow (va), pc/h  Exiting Flow (va), pc/h  Capacity (cua), pc/h  Capacity (c), veh/h			2.5352 nd v/c Left 289 283 1099 1068	2.5352 Ratio 68 Right 326 320 282 812 1099 1068	S Bypass	2.5352 Left 671 658 1386 1343	2.5352 WB Right 757 742 27 1151 1386 1343	Bypass	Left	2.535.  NB  Right 120  118  719  155  771  755	Bypa	ss Left 121 119 400 400	3 3 3	58 Right 12 12 1300 178 470 461 0.03	Bypas
Follow-Up Headway (s)  Flow Computations  Approach  Lane  Entry Flow (ve), pc/h  Entry Volume, veh/h  Circulating Flow (ve), pc/h  Exiting Flow (ve), pc/h  Capacity (cue), pc/h  Capacity (cye), pc/h			2.5352 nd v/c Left 289 283 1099 1068	2.5352 Ratio 68 Right 326 320 282 812 1099 1068	S Bypass	2.5352 Left 671 658 1386 1343	2.5352 WB Right 757 742 27 1151 1386 1343 0.55	Bypass		2.535. NB Right 120 118 719 155 771 755 0.16	Bypa	ss Left 121 119 400 400 0.3	3 3 9 0 0	\$8 Right 12 12 1300 178 470 461 0.03	
Follow-Up Headway (s)  Flow Computations  Approach  Lane  Entry Flow (va), pc/h  Entry Volume, veh/h  Circulating Flow (va), pc/h  Exiting Flow (va), pc/h  Capacity (cae), pc/h  Capacity (c), veh/h  v/c Ratio (x)  Delay and Level of			2.5352 nd v/c Left 289 283 1099 1068	2.5352  Ratio  68  Right  326  320  282  812  1099  1068  0.30	S Bypass	2.5352 Left 671 658 1386 1343 0.49	2.5352 WB Right 757 742 27 1151 1386 1343 0.55	Bypass	Left	2.535.  NB  Right 120 118 719 155 771 755 0.16  NB	Bypa	SS Left 121 119 408 400 0.3	2   1   1   1   1   1   1   1   1   1	58 Right 12 12 1300 178 470 461 0.03 58 Right	Вураѕ
Follow-Up Headway (s)  Flow Computations  Approach  Lane  Entry Flow (ve), pc/h  Entry Volume, veh/h  Circulating Flow (ve), pc/h  Exiting Flow (ve), pc/h  Capacity (cue), pc/h  Capacity (cye), pc/h  V/c Ratio (x)  Delay and Level of  Approach	Service		25352 nd v/c Left 289 283 1099 1068 0.27	2.5352  Ratio  68  Right  326  320  282  812  1099  1068  0.30	S Bypass	2.5352 Left 671 658 1386 1343 0.49	2.5352 WB Right 757 742 27 1151 1386 1343 0.55			2.535.  NB Right 120 118 719 155 771 755 0.16  NB Righ	Bypa	408 408 409 0.3	8 8 0 0 0	58 Right 12 1200 178 470 461 0.03 58 Right 8.1	
Follow-Up Headway (s)  Flow Computations  Approach  Lane  Entry Flow (va), pc/h  Entry Volume, veh/h  Circulating Flow (va), pc/h  Exiting Flow (va), pc/h  Capacity (cae), pc/h  Capacity (c), veh/h  v/c Ratio (x)  Delay and Level of  Approach  Lane	Service		2 5352  nd v/c  Left  289  283  1099  1068  0.27	2.5352  Ratio  68  Right  326  320  282  812  1099  1068  0.30  EB	S Bypass	2.5352 Left 671 658 1386 1343 0.49	2.5352  WB  Right  757  742  27  1151  1386  1343  0.55  WB  Right			2.535.  NB Right 120 118 719 155 771 755 0.16  NB Rigt 6.4 A	Bypa	SS Left 121 119 400 400 0.3	8 0 0 ft 2	\$8 Right 12 12 1300 178 470 461 0.03 58 Right 8.1 A	
Follow-Up Headway (s)  Flow Computations  Approach  Lane  Entry Flow (ve), pc/h  Entry Volume, veh/h  Circulating Flow (ve), pc/h  Exiting Flow (ve), pc/h  Capacity (cue), pc/h  Capacity (cye), pc/h  V/c Ratio (x)  Delay and Level of  Approach  Lane  Lane Control Delay (d), s/v	Service		2.5352  nd v/c  Left 289 283 1099 1068 0.27  Left 5.9	2.5352  Ratio  68  Right  326  320  282  812  1099  1068  0.30  EB  ftight  6.3	S Bypass	2.5352 teft 671 658 1386 1343 0.49 teft 7.7	2.5352  WB  Right 757 742 27 1151 1386 1343 0.55  WB  Right 8.7			2.535.  NB Right 120 118 719 155 771 755 0.16  NB Right 6.4 A 0.6	Bypa	408 408 409 0.3	8 0 0 ft 2	58 Right 12 1200 178 470 461 0.03 58 Right 8.1 A 0.1	
Follow-Up Headway (s)  Flow Computations  Approach  Lane  Entry Flow (va), pc/h  Entry Volume, velv/h  Circulating Flow (va), pc/h  Exiting Flow (va), pc/h  Capacity (c), velv/h  v/c Ratio (x)  Delay and Level of  Approach  Lane  Lane Control Delay (d), s/v  Lane LOS	Service		2.5352 nd v/c  Left 289 283 1099 1068 0.27  Left 5.9 A	2.5352  Ratio  68  Right  326  320  282  812  1099  1068  0.30  EB  Right  6.3  A	S Bypass	2.5352 teft 671 658 1386 1343 0.49 Left 7.7	2.5352  WB  Right 757 742 27 1151 1386 1343 0.55  WB  Right 8.7 A			2.535.  NB Right 120 118 719 155 771 755 0.16  NB Rigt 6.4 A	Bypa	SS Left 121 119 400 400 0.3	8 0 0 ft 2	\$8 Right 12 12 1300 178 470 461 0.03 58 Right 8.1 A	

#### HCS7 Two-Way Stop-Control Report Site Information **General Information** Neighborhood/Ex. Driveway Intersection MŞH Analyst Washoe County Jurisdiction Solaequi Engineers Agency/Co. Existing Driveway East/West Street 8/23/2021 Date Performed Neighborhood Way North/South Street 2021 Analysis Year 0.90 Peak Hour Factor **AM Existing** Time Analyzed Analysis Time Period (hrs) 0.25 North-South Intersection Orientation Project Description

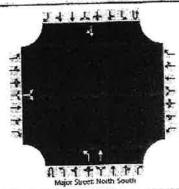
## lanes



ehicle Volumes and Adju		Fastb	n and	1		Westh	ound			Northb	qund			South	pormq	
Approach			τT	R	U	L	T	R	U	L	Ť	R	υ	L	Т	R
Movement	U	L.				<del>-</del>	8	9	1U	1	2	3	4U	4	5	6
Priority		10	11	12		0	0	0	0	1	1	0	0	0	1	0
Number of Lanes		0	1	0		-		<del>ا</del> ٔ	-		Т		-			TF
Configuration			LR					-	-	17	22	-			54	0
Volume (veh/h)		0		4			-	-	-	3			-			
Percent Heavy Vehicles (%)		3		3			-		-	3		-	-		1	$\vdash$
Proportion Time Blocked						<u> </u>		<u> </u>					┼─	L		L
Percent Grade (%)			D·										-			
Right Turn Channelized		77							├-				1			
Median Type   Storage				Undi	vided				<u> </u>							-
Critical and Follow-up Ho	eadwa	ys						·		1	-		1	Т—	1	Т
Base Critical Headway (sec)		7.1		6.2			1	-	-	4,1		-	-	-	+	+
Critical Headway (sec)		6,43		6.23		_	<u> </u>	-	-	4.13	-	┼─	+	-	+-	+-
Base Follow-Up Headway (900)		3.5		3.3		<u> </u>	<u> </u>	_	-	2.2	-	-	+	┼	+-	╁
Follow-Up Headway (sec)		3.53		3.33	<u> </u>					2.23	<u> </u>	<u> </u>		<u> </u>	1	
Delay, Queue Length, an	d Leve	of S	ervice			0		19-				1				1
Flow Rate, v (veh/h)	T	T	4					_		19		-	+	-	+-	+
Capacity, c (veh/h)			1003							1537		1	1	-	+-	+
v/c Ratio		1	0.00							0.01	1	<del> </del>	-	<del> </del>	-	+
95% Queue Length, Que (veh)	1		0.0							0.0	<u> </u>	<u> </u>	╀	-	+	+
Control Delay (s/veh)		1	8.6							7.4	<u> </u>	-	+-	-	-	+
Level of Service (LOS)			A						1	A			-	1		
Approach Delay (s/veh)	1		8.6								3.2		-			_
Approach LOS	_		A						1							

# HCS7 Two-Way Stop-Control Report

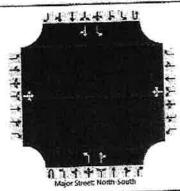
General Information		Site Information	
	MSH	Intersection	Neighborhood/Ex, Driveway
Analyst	Solaegui Engineers	Jurisclichion	Washoe County
Agency/Co.	8/23/2021	East/West Street	Existing Driveway
Date Performed		North/South Street	Neighborhood Way
Analysis Year	2021	Peak Hour Factor	0.90
Time Analyzed	PM Existing	Analysis Time Period (hrs)	0.25
Intersection Orientation	North-South	Analysis Time Period (1837	- Air-i
Project Description			



ehicle Volumes and Adj	7	Eastb	awad	1		West	bound			North	sound			South	bound	
Approach		EGSKN			U	T .	T	R	U	E	T	R	υ	L	T	R
Movement	U	L	T	R		7	8	9	10	-	2	3	4U	4	5	6
Priority		10	11	12				0	0		1	0	0	0	1	0
Number of Lanes		0	1	Û		0	0	- u			T		-	-	-	TF
Configuration			LR						-	-	43	-			31	0
Volume (veh/h)		0		15				<u> </u>	-	11	43	-	-	-	-	-
Percent Heavy Vehicles (%)		3		3			<u> </u>	-	-	3	-	-	-	-	-	╁
Proportion Time Blocked						<u> </u>	<u> </u>		+	1	L		╁		ىل	_
Percent Grade (%)			0						<b>}</b> —				+			
Right Turn Channelized					<u> </u>				+-			-	<u> </u>			
Median Type   Storage				Undi	ivided							-				_
Critical and Follow-up H	leadwa	ys.							,	T					т	1
Base Critical Headway (sec)	T	7.1	T	6.2				-	-	4.1	┼	-	-	┼	-	+
Critical Headway (sec)		6.43	T	6,23		_	_			4,13	-	-	┼─		+	+
Base Follow-Up Headway (sec)		3.5		3.3			1	-	1-	2.2	-	-	┼	-	+-	+
Follow-Up Headway (sec)		3.53	1	3.33		1			1	2,23			1			_

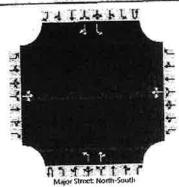
Delay, Queue Length, and Lengt	17		12	
	1036		1571	
Capacity, c (veh/h)	0.02		0.01	
v/c Ratio	0.0	-1-1	0.0	
95% Queue Length, Q <sub>95</sub> (veh)		-+-	7.3	
Control Delay (s/veh)	8.5	-+	<del> </del>	<del>+ + + +</del>
Level of Service (LOS)	A			
Approach Delay (s/veh)	8.5		1.5	
Approach LOS	A			Generated: 8/25/2021 4:24:17 F

#### HCS7 Two-Way Stop-Control Report Site Information **General Information** Neighborhood/So. Driveway Intersection **MSH** Analyst Washoe County Jurisdiction Solaegui Engineers Agency/Co. Existing Dwy-South Dwy East/West Street 8/23/2021 Date Performed Neighborhood Way North/South Street 2021 Analysis Year 0.90 Peak Hour Factor AM Existing + Project Time Analyzed 0.25 Analysis Time Period (hrs) North-South Intersection Orientation Project Description



ehicle Volumes and Adju				T	-	Westba	n and	T		Northb	ound			Southb	ound	
Approach		Eastbo			u l	ī	TT	R	u I	L	T	Ŕ	U	L	Т	R
Movement	υ	L	T	R	-	7	8	9	1U	1	2	3	4U	4	5	6
Priority		10	11	12		-	1	0	0	1	1	0	0	1	1	0
Number of Lanes		0	1	0		0			·			TR		L		TF
Configuration			LTR				LTR	0	-	17	28	11		0	66	0
Volume (veh/h)		0	Q	4		23	0			2		-	-	2		
Percent Heavy Vehicles (%)		2	2	2		2	2	2		-		-	-			$\vdash$
Proportion Time Blocked												J	-	<u></u>		
Percent Grade (%)		(	)			C			-				-			777
Right Turn Channelized									-							
Median Type   Storage				Undi	vided				L	+1						-
Critical and Follow-up He	eadwa	ys								-			-		-	1
Base Critical Headway (sec)	T	7.1	6.5	6.2		7,1	6.5	6.2		4,1			-	4.12	-	+-
Critical Headway (sec)		7,12	6:52	6.22		7.12	6.52	6.22		4,12		-	+	2,2	-	╁
Base Follow-Up Headway (sec)	1	3.5	4.0	3.3		3.5	4,0	3.3	<u> </u>	2.2	<u> </u>	₩	+	-	-	+
Follow-Up Headway (sec)		3.52	4,02	3.32		3.52	4.02	3.32	<u></u>	2.22	<u> </u>	ــــــــــــــــــــــــــــــــــــــ	1	2,22	<u> </u>	1_
Delay, Queue Length, an	d Levi	el of S	ervice		200								,		,	
The state of the s	1	T	T 4	T	T	T	26		T	19		<u> </u>		0	_	1
Flow Rate, v (veh/h)	+	+	989	<del>                                     </del>	+	1	806		1	1526		1		1565		
Capacity, c (veh/h)	-	+-	0.00	-	+-	+	0.03	1		0.01				0.00		
v/c Ratio	+	-	0.0	+	+-	+-	0.1	1	1	0.0	T	1		0.0		
95% Queuc Length, Qss (veh)		-	1	-	+-	+	9.6	1	+	7,4	$\top$	1		7.3		
Control Delay (s/veh)	1	4-	8.7	+	+-	+	A	$\vdash$	1	T A	1	1	1	A	1	T
Level of Service (LOS)			A	1	-				+-	1	2.2		1		0.0	
Approach Delay (s/veh)			8.7		-		9.6		+-				+			
Approach LOS			A		1		A		1					d: <b>8</b> /25/2		- 22.5

#### HCS7 Two-Way Stop-Control Report Site Information **General Information** Neighborhood/So. Driveway Intersection MSH Analyst Washoe County Jurisdiction Solaegui Engineers Agency/Co. Existing Dwy-South Dwy East/West Street 8/23/2021 Date Performed Neighborhood Way North/South Street 2021 Analysis Year 0.90 Peak Hour Factor PM Existing · Project Time Analyzed 0.25 Analysis Time Period (hrs) North-South Intersection Orientation Project Description

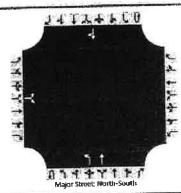


ehicle Volumes and Adj						Westbo	e e e			Northb	ound			Southt	ound	
Approach		Eastbo		-+	- 1			R	U	LI	Т	Ř	U	L	Т	R
Movement	u	L	T	R	U		T	-	10		2	3	4U	4	5	6
Priority		10	11	12		7	8	9			1	0	0	1	1	0
Number of Lanes		0	1	0		0	1	0	0			TR				Т
Configuration			LTR				LTR	_		17	56	25	_	0	39	10
Volume (veh/h)		0	0	15		76	0	0		-	20	23	-	2		-
Percent Heavy Vehicles (%)		2	2	2		2	2	2		2		-				$\vdash$
Proportion Time Blocked													<del> </del>	<u> </u>		1
Percent Grade (%)		(	)													
Right Turn Channelized								-					<u> </u>			
Median Type   Storage	T			Undir	rided				<u></u>							
Critical and Follow-up H	eadwa	ys					J.	1					·		-	_
Base Critical Headway (sec)	T	7.1	6.5	6.2		7.1	6.5	6.2		4.1		ـ	-	4.1	-	╀
Critical Headway (sec)		7.12	6.52	6.22		7.12	6.52	6.22		4,12		-	-	4.12		╀
Base Follow-Up Headway (sec)	1	3.5	4.0	3.3		3.5	4.0	3.3		2.2		<u> </u>	-	2.2	-	+
Follow-Up Headway (sec)	1	3.52	4.02	3.32		3.52	4.02	3.32		2.22			1	2.22		
Delay, Queue Length, ar	rd Leve	el of S	ervice			1										_
	1	T	1 17	T	T	T	18		1	12				0		1
Flow Rate, v (veh/h)	+	+	1027	-		†	797	-	1	1565				1505		_
Capacity, c (veh/h)	-	+	0.02	-	+-	+	50.0		1	0.01	1	1		0.00		
v/c Ratio	-	-	0.0	+	+-	+	0.1	-	1	0.0				0.0		1_
95% Queue Length, Q <sub>95</sub> (veh)	-	4	+	+	+	+	9.6	-	1	7.3		1		7,4		
Control Delay (s/veh)		_	8.6	-	+	+-	-	+	+-	A	1-	1	1	Д	T	T
Level of Service (LOS)			I A		1-	ل	A	1	+		0.9		1		0.0	
Approach Delay (s/veh)			8.6		_		9.6		<del> </del>	_	0.5	-	+-			
Approach LOS			A				A							d: 8/25/2		

#### HCS7 Two-Way Stop-Control Report Site Information **General Information** Neighborhood/Ex. Driveway Intersection MSH Analyst Washoe County Jurisdiction Solaegui Engineers Agency/Co. **Existing Driveway** East/West Street 8/23/2021 **Date Performed** Neighborhood Way North/South Street 2050 Analysis Year 0.90 Peak Hour Factor AM Base Time Analyzed 0.25 Analysis Time Period (hrs) North-South Intersection Orientation

## Lanes

Project Description

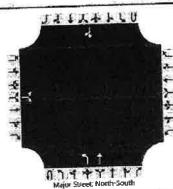


ehicle Volumes and Adj	1	Eastbo	bund		-	Westb	ound	7. 2		Northb	iound			South	baund	
Approach	+ $$	L	τI	R	U	L	Т	R	U	L	T	R	U	L	T	R
Movement	+ 4	10	11	12		7	8	9	10	1	2	3	413	4	5	6
Priority	+-+			0		0	0	0	0	1	1	0	0	0	í	D
Number of Lanes	$\vdash$	0	1	- 0	-		-		-		T		-			TR
Configuration			LR			-	-	-	-	17	49		1	_	87	0
Volume (veh/h)		0		4		_		<u> </u>	-	3		_	-	-		1
Percent Heavy Vehicles (%)		3		3				-	<u> </u>	-		-	-	-		-
Proportion Time Blocked								<u> </u>	-			L	-	<u></u>	1	
Percent Grade (%)			)						-				+			eu eu
Right Turn Channelized									<del> </del>				1			
Median Type   Storage				Undir	vided				<u> </u>							-
Critical and Follow-up H	eadwa	ys						,					_	_	T	T
Base Critical Headway (sec)		7.1		6.2					-	4.1	<u> </u>	├	-	<del> </del>	-	+
Critical Headway (sec)		6.43		6.23		_	<u> </u>	<u> </u>	<u> </u>	4.13		-	+	+	+	+-
Base Follow-Up Headway (sec)		3.5		3.3			<u> </u>	<del> </del>		2.2		↓	+-	-	+	╁
Follow-Up Headway (sec)		3.53		3.33				1		2.23	<u> </u>	<u></u>	٠.,	1	1	1
Delay, Queue Length, an	id Leve	l of S	ervice		**			-		, i			-	<del></del>	1	1
Flow Rate, v (veh/h)	T		4		l					19		-		-	+-	+-
Capacity, c (veh/h)	i		957							1491				<del> </del>	<b>↓</b> —	+
v/c Ratio			0.00							0.01		↓	<del> </del>	<del> </del>	╁—	+
95% Queue Length, Oas (veh)			0.0					1		0.0		-	+		-	+
Control Delay (s/veh)		T	8.8							7.4		-	$\vdash$	-	+	+
Level of Service (LOS)			A						-	A		1	-			1_
Approach Delay (s/veh)			8.8							-	1.9		-			
Approach LOS	<del>-</del>		A		T				i							

#### HCS7 Two-Way Stop-Control Report Site Information **General Information** Neighborhood/Ex. Driveway Intersection MSH Analyst Washoe County Jurisdiction Solaegui Engineers Agency/Co. Existing Driveway East/West Street 8/23/2021 Date Performed Neighborhood Way North/South Street 2050 Analysis Year Peak Hour Factor PM Base Time Analyzed 0.25 Analysis Time Period (hrs) North-South Intersection Orientation

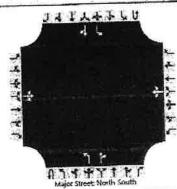
## Lanes

**Project Description** 



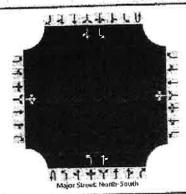
ehicle Volumes and Adj	ustifie	143	-1		100	-				Northb	aund			South	bound	
Approach		Eastbo	und			Westb			U	LACITUD	T	R	U		T	Ř
Movement	U	L	T	R	U	L	Т	R	10	-	2	3	4U	4	5	6
Priority		10	11	12		7	8	9	-		1	0	0	0	1	0
Number of Lanes		0	1	0		0	0	0	0	-	·					TF
Configuration			LR				-		-	11	78	-	-	-	64	0
Volume (veh/h)		0		15				-	-	3	- 10	-	-			-
Percent Heavy Vehicles (%)		3		3			-	-		3		-	-			<b>—</b>
Proportion Time Blocked						<u> </u>	<u> </u>		-				+		1	
Percent Grade (%)		(	)						+	1-11-5			+			
Right Turn Channelized					L				1							
Median Type   Storage				Undir	vided				٠							
Critical and Follow-up H	leadwa	ys						0)	-	_	-			<del></del>		T
Base Critical Headway (sec)	7	7.1		6.2				_	↓	4,1	-	-	+-	-	-	+
Critical Headway (sec)		6,43		6.23		1		╀	-	4.13	-	+	+	+	+-	+
Base Follow-Up Headway (sec)		3.5		3.3			1	_	-	2.2	-	+-	-	+	+	+
Follow-Up Headway (sec)		3.53		3,33				١.,	1	2.23				ـــــــــــــــــــــــــــــــــــ		
Delay, Queue Length, at	nd Lev	el of S	ervice	1 141							_				-,	_
Flow Rate, v (veh/h)	-T	T	17	T	Π	T				12		_		↓	-	╄
	+-	+	989	-						1523	_	_				+
Capacity, c (veh/h)	+-	+-	0.02			1		T		0.01				4_	-	+
v/c Ratio	+	+	0.1	1	1	1		T		0.0				1_		+
95% Queue Length, Q <sub>95</sub> (web) Control Delay (s/veh)		+	8.7	1	1	1			-77-1171	7.4		_			_	+
Level of Service (LOS)	+	1-	A	1	1					A						1
Approach Delay (s/veh)	-		8.7	-	1						0.9					
Approach LOS			A		T								Generate			_

#### HCS7 Two-Way Stop-Control Report Site Information General Information Neighborhood/So. Driveway Intersection MSH Analyst. Washoe County Jurisdiction Solaegui Engineers Agency/Co. Existing Dwy-South Dwy East/West Street 8/23/2021 Date Performed Neighborhood Way North/South Street 2050 Analysis Year 0.90 Peak Hour Factor AM Base + Project Time Analyzed Analysis Time Period (hrs) 0,25 North-South Intersection Orientation **Project Description**



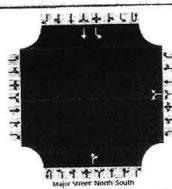
ehicle Volumes and Adju	1			married T		Westbo	าะเอาที	1		Northb	ound			Southb	gund	
Approach		Eastbo	-			L	T	R	U	T	Т	R	U	L	T	R
Movement	U	L	T	R	U	7	8	9	10		2	3	4U	4	5	6
Priority		10	11	12		-	-	0	0		1	0	0	1	1	0
Number of Lanes		0	1	0		0	1					TR		L		TR
Configuration			LTR			$\vdash$	LTR			17	55	11	-	0	99	0
Volume (veh/h)		0	0	4		23	0	0		2			-	2		
Percent Heavy Vehicles (%)		2	2	2		2	2	2	_				-			
Proportion Time Blocked									-	11			-			
Percent Grade (%)			0			(	)		-				-			
Right Turn Channelized	1								-						_	-
Median Type   Storage				Undi	ivided											
Critical and Follow-up H	eadwa	ays	100										_	4.1	r	Т
Base Critical Headway (sec)	T	7.1	6.5	6.2		7.1	6.5	6,2		4.1		-	+	4.12	-	-
Critical Headway (sec)		7,12	6.52	6.22		7,12	6.52	6.22		4.12		┼	-	2.2	-	+
Base Follow-Up Headway (sec)		3.5	4.0	3.3		3.5	4.0	3.3	-	2.2		+	-	222	-	+
Follow-Up Headway (sec)		3.52	4.02	3,32		3.52	4.02	3,32		2.22		ــــــــــــــــــــــــــــــــــــــ		1 226		1
Delay, Queue Length, ar	ıd Lev	el of S	ervice	<b>)</b>	7			e n					-		-	
	-		T 4	T	T	T	26	T	1	19				0	<u> </u>	4
Flow Rate, v (veh/h)	+	+	943	-	+	+	728		T	1480				1526	-	1
Capacity, c (veh/h)	-	+	0.00	+	+-	+	0.04	1		0.01				0.00		
v/c Ratio	4-	-		+-	+-	+-	0.1	†	1	0.0				0.0		L
95% Queue Length, Q <sub>25</sub> (veh)			0.0	+	+-	+	10.1	+	+-	7.5	1		1	7.4		
Control Delay (s/veh)			8.8	+-	-	-	8	+	+-	A	$\vdash$	1	1	A		1
Level of Service (LOS)			A			1	1	1	+-	1	1.5		+		0.0	-Not
FSASI Of Selatice (FD2)			8.8				10.1				1.5					

#### HCS7 Two-Way Stop-Control Report Site Information **General Information** Neighborhood/So, Driveway Intersection Amalyst Washoe County Jurisdiction Solaegui Engineers Agency/Co. Existing Dwy-South Dwy East/West Street 8/23/2021 **Date Performed** Neighborhood Way North/South Street 2050 Analysis Year 0.90 Peak Hour Factor PM Base + Project Time Analyzed 0.25 Analysis Time Period (hrs) North-South Intersection Orientation Project Description



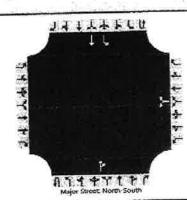
ehicle Volumes and Adju	T	Eastbo	und	-1		Westbe	ound ionyc			Northb	ound			Southb	ound	
Approach	-			R	U	LI	T	R	u T	L	Т	R	U	L	Ť	R
Movement	u	L	T			7	B	9	10	1	2	3	4U	4	5	6
Priority	1	10	11	12		0	+	0	0		1	0	0	1	1	0
Number of Lanes		0	1	0		-					_	TR		L		TF
Configuration			Į,TR				LIK			11	91	25		0	72	0
Volume (veh/h)		Ö	0	15		16	0	0		2			1	2		
Percent Heavy Vehicles (%)		2	2	2		2	2	2				-	-	-		
Proportion Time Blocked											_	<u> </u>	-			
Percent Grade (%)		(	)				)	_	-				<del> </del>			
Right Turn Channelized					<u></u>				-				1			-
Median Type   Storage		Undivide			vided	£.,										
Critical and Follow-up H	eadway	15	18											T		-
Base Critical Headway (sec)	1 1	7,1	6,5	6.2		7.1	6.5	6.2	<u> </u>	4.1		-	_	4.12		-
Critical Headway (sec)		7.12	6.52	6.22		7.12	6,52	6.22		4,12		╄		2.2	-	$\vdash$
Base Follow-Up Headway (sec)		3.5	4.0	3.3		3.5	4,0	3.3	_	2.2		-	<del> </del>	-	-	+
Follow-Up Headway (sec)		3.52	4.02	3.32		3.52	4.02	3.32	1	2.22		<u></u>	ل	2.22		1
	The same	of S	ervice						-					<u>. 1</u>		1
	id Feac	-						T		12			-	0		1
Delay, Queue Length, ar	id FeA6	-	17		T		18									1
Delay, Queue Length, ar	id Level	-				-	711			1518				1457		1
Delay, Queue Length, ar Flow Rate, v (veh/h) Capacity, c (veh/h)	id Leve		17							1518 0.01				0.00		L
Delay, Queue Length, and Flow Rate, v (veh/h) Capacity, c (veh/h) v/c Ratio	ad Leve		17 980				711			-				-		
Delay, Queue Length, and Flow Rate, v (veh/h) Capacity, c (veh/h) v/c Ratio 95% Queue Length, Qss (veh)	ad Level		980 0.02 0.1				711 0,03			0.01				0.00		
Delay, Queue Length, and Flow Rate, v (veh/h) Capacity, c (veh/h) v/c Ratio 95% Queue Length, Qss (veh) Control Delay (s/veh)	ld Leve		980 0.02 0.1 8.7				711 0,03 0.1			0.01				0.00		
Delay, Queue Length, and Flow Rate, v (veh/h) Capacity, c (veh/h) v/c Ratio 95% Queue Length, Qss (veh)	id Leve		980 0.02 0.1				711 0.03 0.1 10.2			0.01 0.0 7.4 A	0.6			0.00 0.0 7.5 A	0.0	

#### HCS7 Two-Way Stop-Control Report Site Information **General Information** Neighborhood/No. Driveway Intersection MSH Analyst Washoe County Jurisdiction Solaegui Engineers Agency/Co. North Driveway East/West Street 8/23/2021 Date Performed Neighborhood Way North/South Street 2021 Analysis Year 0.90 Peak Hour Factor AM Existing + Project Time Analyzed 0.25 Analysis Time Period (hrs) North-South Intersection Orientation **Project Description**



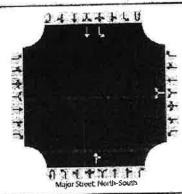
ehicle Volumes and Adj	1	Eastb	ound	-		Westb	ound	1		North	bound			Southt	pownd	
Approach	ļ.,	Easto					TT	R	u l		Ŧ	R	u	L	Т	R
Movement	Û	L	Т	R	U	L			10	1	2	3	4U	4	5	6
Priority		10	11	12		7	8	9	0	0	1	0	0	1	1	1
Number of Lanes		0	0	0		0	1	0		U		TR	<u> </u>	H	T	
Configuration							LR				22	6		0	54	H
Volume (veh/h)						12		0			4	- Đ	-	2	-	-
Percent Heavy Vehicles (%)						2		2				-	-			$\vdash$
Proportion Time Blocked																1
Percent Grade (%)						(	)			-			-			-
Right Turn Channelized													<u></u>			
Median Type   Storage				Und	ivided											
Critical and Follow-up H	eadwa	ys										,	-	-0	·	T
Base Critical Headway (sec)						7.1		6.2			-	-	<u> </u>	4.1		+
Critical Headway (sec)				-		6.42		6.22			1-	_		4.12	-	╀
Base Follow Up Headway (sec)						3.5		3.3			-	-	<b>├</b> ─	-	-	+
Follow-Up Headway (sec)			<u> </u>			3,52	<u> </u>	3.32		L		<u> </u>		2.22	<u></u>	1_
Delay, Queue Length, ar	d Leve	of S	ervic	9										-	<del></del>	T-
Flow Rate, v (veh/h)	T	T	T				13							0	<u> </u>	+
Capacity, c (veh/h)	1	T	1	1			913							1581	_	1
v/c Ratio	$\top$		1	1			0.01					-	<u> </u>	0.00	-	+
95% Queue Length, Q <sub>85</sub> (veh)			T	1			0.0					-		0.0	1-	+
Control Delay (s/veh)	1		1	T			9.0					-	1	7.3	-	1
Level of Service (LOS)							A						1_	A		1
Approach Delay (s/veh)			-			1.5	9.0						1_		0.0	
Approach LOS	_						A		1							

#### HCS7 Two-Way Stop-Control Report Site Information **General Information** Neighborhood/No. Driveway Intersection MSH Analyst Washoe County Jurisdiction Solaegui Engineers Agency/Co. North Driveway East/West Street 8/23/2021 Date Performed **Neighborhood Way** North/South Street 2021 Analysis Year 0.90 Peak Hour Factor PM Basting + Project Time Analyzed Analysis Time Period (hrs) 0.25 North-South Intersection Orientation Project Description



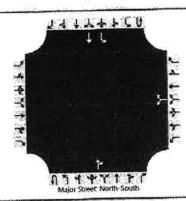
ehicle Volumes and Adj	T	Eastb	ound			Westbe	ound			North	bound			South	ound	
Approach	10	L	T	R	U	LI	T	R	U	Ł	T	R	U	Ł	T	R
Movement	+-	10	11	12	-	7	8	9	10	1	2	3	4U	4	5	6
Priority	-			0	-	0	1	0	0	U	1	0	0	1	1	0
Number of Lanes	1	0	0	-	-	┝┷┤	LR				-	TR		L	T	
Configuration	1			-	-	В	LIN	0	-		43	13	-	0	31	
Volume (veh/h)					-	1 1		2					-	2		
Percent Heavy Vehides (%)					ļ	2		-			-	-	-	-		-
Proportion Time Blocked			<u></u>	<u> </u>						<u> </u>	<u> </u>	L	-	<u></u>		
Percent Grade (%)							)						-			
Right Turn Channelized									ļ				<u> </u>			-
Median Type   Storage				Und	livided											_
Critical and Follow-up H	eadwa	ys		1						-					-	Т
Base Critical Headway (sec)						7.1		6.2			_	ļ	-	4.1		+
Critical Headway (sec)						6.42		6,22		<u> </u>	1-		┼	4.12 2.2	-	$\vdash$
Base Follow-Up Headway (sec)						3.5		3,3		<del> </del>	-	-	-		├	+
Follow-Up Headway (sec)						3.52		3,32		<u> </u>			1	2.22	<u> </u>	<u></u>
Delay, Queue Length, ar	nd Leve	l of S	ervic	e											<b></b>	-
Flow Rate, v (veh/h)	T	T	T	T	T		9							0		1
Capacity, c (veh/h)	+	†	1	1	1		911							1541		1
v/c Ratio	+	1	1	1		1	0.01							0.00		1
95% Queue Length, Q <sub>55</sub> (veh)	_	+-	+-	1		1	0.0						1	0.0		1
Control Delay (s/veh)	-	1	+	1	-	1	9.0						İ	7.3		
Level of Service (LOS)	+-	+-	+-	+	-	1	A		1	T				A		
The state of the s				1	-	-	9.0		T	Anno	-			getskille	0.0	
Approach Delay (s/veh)																

#### HCS7 Two-Way Stop-Control Report Site Information **General Information** Neighborhood/No. Driveway Intersection MSH Analyst Washoe County Jurisdiction Solaegui Engineers Agency/Co. North Driveway East/West Street 8/23/2021 Date Performed Neighborhood Way North/South Street 2050 Analysis Year 0.90 Peak Hour Factor AM Base + Project Time Analyzed 0.25 Analysis Time Period (hrs) North-South Intersection Orientation Project Description



/ehicle Volumes and Adj	T	Eastb	ound	-		Westb	ound			North	bound			Southb	ound	
Approach	1 1	L	T	R	U	L	т	R	U	L	T	R	U	L.	T	R
Movement	1 "	1:0	73	12	-	7	8	9	1U	1	2	3	4U	4	5	6
Priority	-	_			-	0	1	0	0	0	1	Ü	0	1	1	0
Number of Lanes		0	0	0	-	-	LR		-	-		TR		L	Ť	
Configuration					_		LLK	_		-	49	6		0	87	
Volume (veh/h)						12		0		-	43	-	-	2	-	-
Percent Heavy Vehicles (%)						2		2	<u> </u>		-		-		-	-
Proportion Time Blocked				1	<u> </u>				ļ	L	<u> </u>					
Percent Grade (%)					<u> </u>		)						-			_
Right Turn Channelized													L			
Median Type   Storage				Und	ivided											
Critical and Follow-up H	leadwa	ys	W	W.								-			T	1
Base Critical Headway (sec)						7.1		6.2		<u> </u>	-	<u> </u>	-	4.1	-	┝
Critical Headway (sec)						6.42		6.22	<u> </u>	_	-	↓	-	4.12	-	╀
Base Follow-Up Headway (sec)						3.5		3.3		-	↓	-	-	22	-	╀
Follow-Up Headway (sec)						3.52	<u> </u>	3.32		1	1	L.,	1	2,22	1	
Delay, Queue Length, a	nd Leve	of S	ervic	e	12									أستني		7
Flow Rate, v (veh/h)	T	T	T	T			13			<u> </u>	1_	<u> </u>		0	-	$\vdash$
Capacity, c (veh/h)							837		<u> </u>	_	1	<u> </u>	-	1542	<u> </u>	╀
v/c Ratio							0.02		1_	-	-	-	-	0.00	-	+
95% Queue Length, Qas (veh)							0.0	<u> </u>		1	-	-	-	0.0	-	+
Control Delay (s/veh)							9.4	1		_	-	-	+	7.3	-	+
Level of Service (LOS)							A			1			+	A	1	1
Approach Delay (s/veh)							9.4						-		0.0	-
Approach LOS							A		1				1			

#### HCS7 Two-Way Stop-Control Report Site Information **General Information** Neighborhood/No. Driveway Intersection MSH Analyst Washoe County Jurisdiction Solaegui Engineers Agency/Co. North Driveway East/West Street 8/23/2021 Date Performed Neighborhood Way North/South Street 2050 Analysis Year 0.90 Peak Hour Factor PM Base + Project Time Analyzed Analysis Time Period (hrs) 0,25 North-South Intersection Orientation Project Description



/ehicle Volumes and Adj	T	Eastb	ound			Westb	ound			Northi	bound			Southb	ound	
Approach	υ	L	T	R	U	TIT	т	R	U	l	T	R	U	Ŀ	Т	R
Movement	+ •		11	12	-	7	8	9	10	1	2	3	4U	4	5	6
Priority		10				0	1	0	0	0	1	0	0	1	1	0
Number of Lanes		0	0	0						-	-	TR			Ť	
Configuration							LR				78	13		0	64	
Volume (veh/h)						В		0		-	70	-	-	2		
Percent Heavy Vehicles (%)					ļ	2		2	_	-	-	-	-			-
Proportion Time Blocked						11										_
Percent Grade (%)						C		-					-			_
Right Turn Channelized													1		-	
Median Type   Storage				Und	ivided								***			_
Critical and Follow-up H	eadwa	ys			,						1		Т	4.1		1
Base Critical Headway (sec)						7.1		6.2		├	┼		-	4.12	-	+
Critical Headway (sec)					_	6.42		6.22	ļ	-	┼	$\vdash$	-	2.2		H
Base Follow-Up Headway (sec)						3.5		3.3	-	-	-	-	+	-	-	╁
Follow-Up Headway (sec)					<u></u>	3.52		3.32	<u></u>		1	<u></u>	١	2.22	L	1_
Delay, Queue Length, ar	d Leve	el of S	ervic	e												ī
Flow Rate, v (veh/h)							9			<u> </u>	1	<u> </u>	<u> </u>	0	-	╀
Capacity, c (veh/h)		1					826		<u> </u>		-	-	-	1491	-	+
v/c Ratio		T					0.01			1	<u> </u>	+-		0.00	-	╀
95% Queue Length, Q <sub>25</sub> (veh)		T	T			_	0.0		<u> </u>			-	<del> </del>	0.0	-	╀
Control Delay (s/veh)							9.4			1_	-	-	-	7.4	├	+
Level of Service (LOS)				1			A			1		1	+	<u> </u>		_
Approach Delay (s/veh)			- V			5	9.4						+		0.0	
Approach LOS							A		1				1			

JAN 17 - 01 JAN 20									management and a second of the	THE RESERVE OF THE PERSON NAMED IN	Frapelty	OF STREET	A THE REST OF THE PARTY OF THE PARTY.	A 100 CO
OUNTY: WASHOE			ASSESSED FOR STATE	Depolar Street Williams	100	2400	Real Property of the Control of the		語ながは温暖を		Darkige	Injury.		10
										<b>网络旅游</b>	Only	Тура	Crash Type	Versities
		(Crital)	Craselli Time	Primary Street	Distance	Dir	Secondary Sites	Wealther	Fill Don	(COOK)	PDO	ARATA A	BIDESWIPE, MEETING	2
Crash Severity	Crash Date	Year		LA POSADA DR	46	E	BR445	CLEAR		-	PDO		REAR-ENO	2
ROPERTY DAMAGE ONLY	13-500-2018	2019	02;81 PM	LA POSADA DR		AT INT	SR446	CLEAR	4-1-1-1-1		PDO	-	REAR-END	2
ROPERTY DAMAGE ONLY	29-049-2018	2018	DB:30 PIN	EAGLE CANYON DR		AT INT	SR445	CLEAR	-		PDQ		REAR-END	2
ROPERTY DAMAGE ONLY	27-Dec-2019	2019	12:37 PM	LEAGLE CAUVON DR	1	W	SR445	CLEAR	10.00	-	PDO		SIDESWIPE, MEETING	2
ROPERTY DAMAGE ONLY	31-Aug-2017	2017	07:01 AM	EAGLE CANYON DR		W	3R446	CLEAR			PUG	ċ	REAR-END	2
ROPERTY DAMAGE ONLY	31-Aug-2017	2017	02:42 PM	EAGLE CANYON OR	100	1 N	EAGLE CANYON DR	CLEAR	1			c	REAR-END	2
JURY ACCIDENT	10-Sep-2019	2018	08:45 AM		40	N	EAGLE CANYON DR	CLOUDY	200			C	REAR-END	2
UURY ACCIDENT	12-Sep-2017	2017	02:33 PM		20	N	EAGLE CANYON DR	CLEAR			PDO		SIDEAWARE MEETING	2
JURY ACCIDENT	2-Sep-2017	2017	OR:34 PM		10	N	EAGLE CANYON DR	CLOUDY			PUU	C	REAR-END	2
ROPERTY DAMAGE ONLY	18-Dec-2018	2018	08:11 PM		10	N.	LA POSADA DR	CLOUDY SNOW			I have been	В	REAR-END	2
NJURY ACCIDIENT	(7-Feb-2017	2017	11:39 AM				A STATE OF THE PARTY OF THE PAR	CLEAR	7 7 2 2	1			ANGLE	2
NJURY ACCIDENT	10-Mat-2017	2017	03:46 PM			AT INT	EAGLE CANYON OR	CLEAR	Tell Park		PDG		ANGLE	2
ROPERTY DAMAGE ONLY	18-Sep-2017	2017	07:44 PM		-		EAGLE CANYON DR	CLOUDY	17		PDO		REAR-TO-REAR	2
ROPERTY DAMAGE ONLY	28-Nov-2017	2017	10:03 PM		ļ	AT INT		CLEAR			PDO		ANOLE	2
ROPERTY DAMAGE ONLY	24-Mar-2019	2018	11:03 PM		4	AT INT	EAGLE CANYON DR	CLEAR	THE STATE OF THE S		PDO	-	ANGLE	2
PROPERTY DAMAGE ONLY	13-May-2018	2018	08:46 PM			ATINT	EAGLE CANYON DR	CLEAR			PDC		ANGLE	2
ROPERTY DAMAGE ONLY	18-001-2019	2016	10:40 PM		-	ATHO	EAGLE CANYON DR	CLEAR	Property in	1 2		C	REAR-END	2
NJURY ACCIDENT	23-Feb-2019	2019	07:13 PM		-	ANT ILE	EAGLE CANYON DR	CLEAR			PDO		REAR-END	1 2
ROPERTY DAWAGE DNLY	31-Oct-2018	2018	07.48 PM		-		LA POSADA DR	CLEAR				c		2
NJURY ACCIDENT	4-May-2017	2017	05:30 PM		-		LA POSADA DR	CLEAR			PDO		ANGLE	2
ROPERTY DAMAGE ONLY	8-Jun-2016	2018	12:15 PM	1 8R446			LA POSADA DR	CLOUDY	and the state		PDO		ANGLE	2
ROPERTY DAMAGE CHLY	9-Cec-2019	2018	06:29 PM	SR448	Land of the land	THE RESERVE OF THE PARTY OF	EAGLE CANYON DR	CLOUDY	(Meditorial and a second		PDO		REAR-END	2
PROPERTY DAMAGE ONLY	20-Mar-2019	2018	02:22 PM	1 SR445	10	8	LA POSADA DR	CLOUDY, RAIN			1 (DE)	Ç	REAR-END	2
	17-Nov-2017	2017	08:61 A5	1 SR445	10	8	EAGLE CANYON DR	CLEAR			P00		REAR-END	2
NJURY ACCIDENT	28-Nov-2017	2017	05.35 AM	N SR446	21	8	EAGLE CANYON OR	CLEAR	1	0		C	REAR-END	2
PROPERTY DAMAGE ONLY	12-Mar-2018	2018	06:56 PM	A SR446	12	5	LA POSADA OR	CLEAR	1	1 1 E		C	REAR-END	-
NURY ACCIDENT	18-Aug-2018	2018	01:31 PM	1 SR446	15	i B		CLEAR	1		PDO		REAR-END	2
NJURY ACCIDENT	B-Aug-2017	2017		W SR445	18	8	LA POSADA DR	CLEAR		-	P00	11.	REAR-END	2
PROPERTY CAMAGE ONLY	16-Jun-2018	2018	08.45 P	1 SR445	28	\$	LA POBADA DR	CLOUDY		100	PDQ		REAR-END	2
PROPERTY DAMAGE ONLY	18-Dec-2018	2018	08:12 PI		25	5	LA POSADA DR	CLEAR		1000	PDO	1	REAR-END	2
PROPERTY DAMAGE ONLY	22-000-2018	2016	1 11:30 A	Married Manager State of the Party of the Pa	25	5	LA POSADA OR	CLOUDY	-		1.1.	C	REAR-END	2
PROPERTY DAMAGE ONLY	25-Aug-2017	2017		M   SR445	80	5	LA POSADA DR	CLEAR	- Promise	2000	PDO		ANGLE	2
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Count: 0 Count: 11
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AN	\$	28		GOING STRAIGHT	ASPARENTLY NORMAL	DISREGARDED TRAFFIC SIGNS, SIGNALS, RCAD MARKINGS
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EDAN	3	36	3	GOING STRAIGHT	APPARENTLY NORMAL	OTHER
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PICKUP	8	33	2	GOING STRAIGHT	HAD BEEN DRINKING	DRIVING TOO FAST FOR CONDITIONS
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SEOAN, 4 DOOR	1è	23	1	GOING STRAIGHT	APPARENTLY NORMAL	OTHER IMPROPER DRIVING
SEOAN, A DOOR	N	1	2	GOING STRAIGHT		OTHER
SEDAN, 4 DCIOR	N	18	L2	GOING STRAIGHT	APPARENTLY NORMAL	OTHER
SEDAN, 4 DOOR	N	49	L2	GOING STRAIGHT	APPARENTLY NORMAL	OTHER IMPROPER DRIVING
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STOAMGIGETTO ACTIONS	SLOW/STOPPED VEHICLE	PICKUP	N	39	1	BOING STRAIGHT	APPARENTLY NORMA
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EGOILAWANI LAITONE IPPOMA LINE PLONE L'ALENTAL E. C.	SLOW/STOPPED VEHICLE	PICKUP					

4

V2 Driver			
2 Driver stracted	V2 Vehicle Fuorers	92 Most Hirmful Event	VZ AR Everyers
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		MOTOR VEHICLE IN TRANSPORT	T. A. C.
	FOLLOWED TOO CLOSELY	SLOW/STOPPED VEHICLE	SLOW/STOPPED VERICLE
	OBJECT AVOIDANCE		
anna Mala	UNKNOWN		
		MOTOR VEHICLE IN TRANSPORT	
_	·		
		MOTOR VEHICLE IN TRANSPORT	
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	UNKNOVA	MOTOR VEHICLE IN TRANSPORT	
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		MY OR VEHICLE IN COUNTY ON	
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		STRUCK BY FALLING, SHIFTING CARGO OR ANYTHING SET IN MOTION	STRUCK BY FALLING, SHIFTING CARGO OR ANYTHING SET IN MOTION

				HWY		Acceptant from
	Nonapoletic	Factors	Lighting .	Factors	Assetcy	plum
First Harmful Event	Fisher	Rosmay DRY	DAYLIGHT	NONE	WASO	3164160
ran off road right		DRY	DARK - SPOT LIGHTING	NONE	WASO	3117473
MOTOR VEHICLE IN TRANSPORT		DRY	DAYLIGHT	NONE	WASO	3033468
MOTOR VEHICLE IN TRANSPORT		PRT	CATEGOTY		WASO	2401476
	-			-	WASO	2401477
		ICE	DAYLIGHT	NONE	NHP	3161971
SLOWISTOPPED VEHICLE		DRY	DAYLIGHT	NONE	NHP	2397572
		DRY	DARK - CONTINUOUS LIGHTING	NONE	NHP	2397028
		DRY	DARK - CONTINUOUS LIGHTING	NONE	NHP	3114243
MOTOR VEHICLE IN TRANSPORT	-	DRY	DAYLIGHT	NONE	NHP	2365659
		DRY	DAYLIGHT	1	WASO	2368931
		DRY	DARK - SPOT LIGHTING	NONE	NHP	2397947
		DRY	DARK - SPOT LIGHTING	NONE	NHP	2416223
		URT	DANK FOT CIGHTING	1	WASO	3079019
		metal.	DARK - SPOT LIGHTING	NONE	MHP	3082101
MOTOR VEHICLE IN TRANSPORT		DRY	DARK - SPOT LIGHTING	NONE	NMP	3105301
MOTOR VEHICLE IN TRANSPORT		DRY	DARK - CONTINUOUS LIGHTING	NONE	NHP	3072032
MCTOR VEHICLE IN TRANSPORT		DRY	DARK - CONTINUOUS LIGHTING	HOME	NHP	3026774
MOTOR VEHICLE IN TRANSPORT			DAYLIGHT	NONE	NHP	2380958
		DRY	DAYLIGHT	NOVE	NHP	3086243
MOTOR VEHICLE IN TRANSPORT		DRY	DARK - CONTINUOUS LIGHTING	NOVE	NHP	3028338
MOTOR VEHICLE IN TRANSPORT	1	ORY	DAYLIGHT	NONE	NEP	2821906
		DRY	DAYLIGHT	NONE	NHP	2415510
		DRY	DAYLIGHT	NONE	INHP	2418170
		DRY	DAYLIGHT	NONE	NHP	311974
SLOW/STOPPED VEHICLE		DRY	DAYLIGHT	NONE	NHP	3/09/5811
SLOW/STOPPED VEHICLE		DRY	DAYLIGHT	NONE	NHP	239565
		DRY	DAYLIGHT	NONE	MAHP	308663
SLOWISTOPPED VEHICLE		DRY	DAYLIGHT	NONE	NH2	311611
SLOW/STOPPED VEHICLE		DRY	DAYLIGHT	NOWE	NHP	304284
SLOW/STOPPED VEHICLE		DRY	DAYLIGHT	INCHE	NHP	239658
	4	DRY	DAYLIGHT	MONE	NHP	241880
		DRY	DAYLIGHT	NONE	NHP	307783
EQUIPMENT FAILURE (BLOWN TIRE, BRAKE FAILURE, ETC.)		DRY	DAYLIGHT	NONE	NHP	241 53 1
		DRY	DATUGET	INCHE	1/35.0	

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# EAGLE CANYON DR @ EMBER DR/NEIGHBORHOOD WAY 01 JAN 17 - 01 JAN 20

Crash Seventy Crash Date Year Time Primary Street Distance Dir Secondar		Felminnes
	CLEAR	
PROPERTY DAMAGE ONLY 18-Nov:2019 2019 02:10 PM EAGLE CANYON DR AT INT EMBER DR	CLEAR	
PROPERTY DAMAGE ONLY 14 Sep-2019 2019 10:30 AW EAGLE CANTON ON AT INT NEIGHBORHO	DOD WAY OTHER	
POPERTY DAMAGE ONLY 25-Feb-2017 2017 09:49 AM EAGLE CANYON DR		
POPERTY DAMAGE ONLY 2.Sep.2018 2018 102:28 AM EAGLE CANYON DR		
PROPERTY DAMAGE ONLY 5-Sep-2018 2018 02:23 PM EAGLE GANYON DR 100 W NEIGHBORH	OOD WAT   OLLAN	Sonr 0

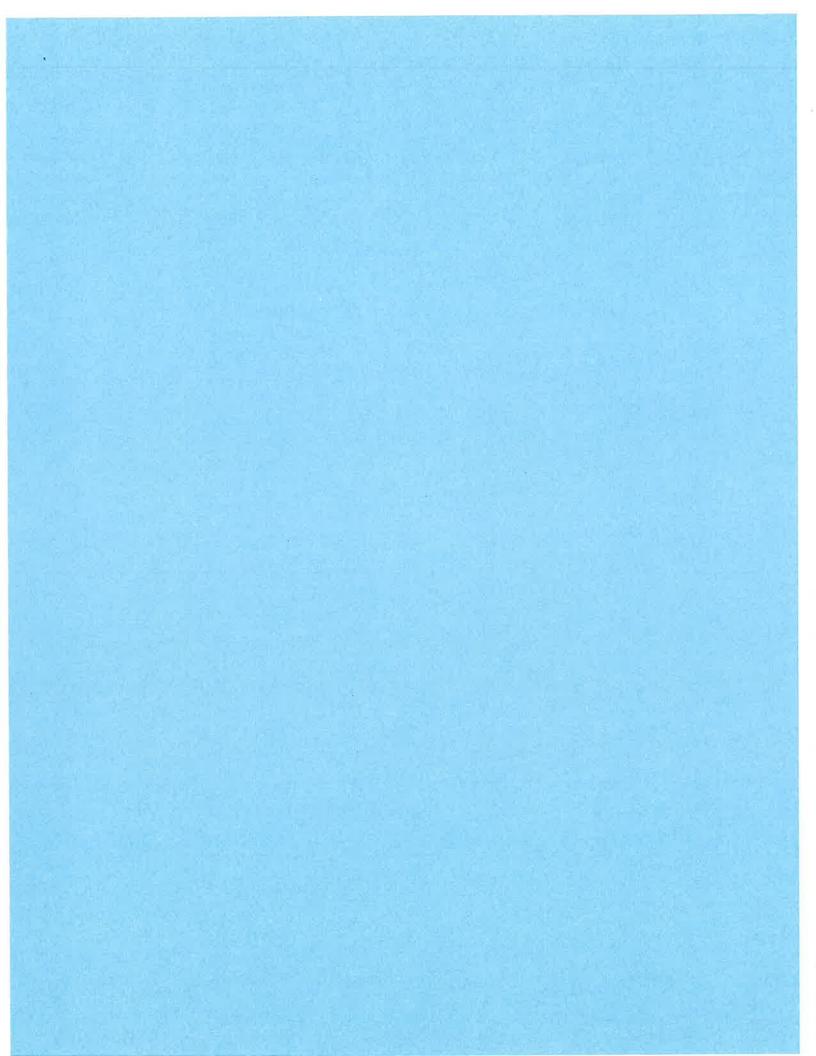
	Property Damage	trillary			V1 Type	VA Dar	V1 Driver	V4 Large Nom	V1 Action	V1 Driver Factors
injured	Dary	Type	CLASI TABS	Total Vemeler	BUS	W	50	1	GOING STRAIGHT	APPARENTLY NORMAL
	PDO		ANGLE	2	Water Company of the			1	NEGOTIATING A CURVE	UNKNOWN
- E	PDO		NON-COLLISION	1	CARRY-ALL			<del> </del>	GOING STRAIGHT	OTHER IMPROPER DRIVING
17.00	PDO		UNKNOWN	5	PICKUP	W			NEGOTIATING A CURVE	HAD BEEN DRINKING
	PDO	-	NON-COLLISION	1	MOTORCYCLE	W	51	1		UNKNOWN
the land	PDO		REAR-END	2	SEDAN, 4 DOOR	W	L	11	GOING STRAIGHT	DIVRIVO
Suring 0	Count: 5									

Count: 0

	Para American Carlos Constitution				
V1 Driver	V4 Vehicle Factors	VI Most Harmful Event	V1 All Events	V2 Type	V2 Dir
D) D) SE D) COL	FOLLOWED TOO CLOSELY	MOTOR VEHICLE IN TRANSPORT		CARRY-ALL	VV
	FAILED TO YIELD RIGHT OF WAY	PEDAL CYCLE	PEDAL CYCLE		
			OTHER MOVABLE OBSECT	UTILITY	W
	FOLLOWED TOO CLOSELY	OVERTURN/ROLLOVER	OVERTURN/ROLLOVER: OTHER NON-COLLISION		
	EXCEEDED AUTHORIZED SPEED LIMIT	SLOW/STOPPED VEHICLE	SLOW/STOPPED VEHICLE	SEDAN, 4 DOOR	W

2 Driver	V2 Lane		V2 Driver Factors	V2 Driver Distracted	V2 Voldele Factors	V2 Most Hamilul Event
34	1	GOING STRAIGHT	APPARENTLY NORMAL			MOTOR VEHICLE IN TRANSPORT
		GOING STRAIGHT	OTHER IMPROPER DRIVING		FOLLOWED TOO CLOSELY	
	1	GOING STRAIGHT	UNKNOWN	<del>                                     </del>	UNKNOWN	SLOW/STOPPED VEHICLE

		Nonmotorist Factors		NIND.		Arriviant Per
V2 All Events	First Hannful Event	Factors Rosdway	Lighting	factors	Agency	Num
, and the second second	HORSE	DRY	DAYLIGHT	NONE	WASD	3184121
	PEDAL CYCLE	DRY	DAYLIGHT	NONE	WASO	3164162
OTHER MOVABLE OBJECT			Carrier States of Carrier	1	WASO	2368968
	MOTOR VEHICLE IN TRANSPORT	DRY	DARK - CONTINUOUS LIGHTING	NONE	WASO	3099230
SLOW/STOPPED VEHICLE					WASO	3099234



#### PRELIMINARY DRAINAGE REPORT

**FOR** 

#### CONTINUUM OF CARE COTTAGE COMMUNITY

Prepared for:

Silverado Homes 5525 Kietzke Lane, Suite 102 Reno, NV 89511

January 2022

Prepared by:

Wood Rodgers, Inc. 1361 Corporate Blvd. Reno, NV 89502 (775) 823-4068 Todd Gammill, P.E. - Associate

01/09/2022

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2	Preli	minary Design	Z
2	Lludi	rologic Analysis	2
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#### **APPENDIX**

VICINITY MAP
FEMA FIRM Flood Zone Exhibit
PRELIMINARY BASIN FLOW CALCULATIONS (5-YEAR)
PRELIMINARY BASIN FLOW CALCULATIONS (100-YEAR)
PRELIMINARY STORM DRAIN SYSTEM LAYOUT AND HYDROLOGIC BASIN MAP
NOAA ATLAS 14 PRECIPITATION DATA
DETENTION LETTER



#### 1 INTRODUCTION

This report shall serve as the preliminary drainage report for the Continuum of Care Cottage Community, which will consist of 136 detached units and a clubhouse. The purpose of this report is to address the drainage issues that result from development of the proposed project site in accordance with Truckee Meadows Regional Drainage Manual (TMRDM) and Washoe County development standards. As this report is preliminary in nature, a more detailed study will need to be conducted and a final technical drainage report will need to be submitted with the final improvement plans for the project.

#### 1.1 PROJECT LOCATION/HISTORIC DRAINAGE

The proposed project site (APN 532-032-05 and a portion of APN 532-032-16) is approximately 21.44± acres in size and is located within a portion of Section 34 of T21N, R20E, MDM, Washoe County, Nevada.

The project site is bounded by Eagle Canyon Ranch Unit 4 to the north, existing Neighborhood Way to the west, a drainage channel and undeveloped land to the south, and Washoe County's North Spanish Springs Drainage Facility (NSSDF) outlet regional detention outfall channel. A Vicinity Map is included in the **Appendix** of this report for reference.

The parcel is currently undeveloped land and drains south and east to the existing channels south and east of the site. The east channel flows south toward Eagle Canyon Drive and ultimately to the Sparks Regional Detention Basin, the North Truckee Drain and to the Truckee River.

There is also an existing concrete lined channel west of Neighborhood Way. A storm drain system picks up flows from Neighborhood Way west of the site and discharges to the existing ditch which runs south along Neighborhood Way to a box culvert south of the site where it is then discharged to a drainage channel south of the project site. This channel flows east and discharges to the existing channel east of the site. See the basin map included in the **Appendix** of this report.

The project site is located in FEMA Zone X, areas determined to be outside the 500-year annual chance floodplain. The site can be located on FEMA FIRM Panel 32031C2865G. An exhibit identifying the FEMA zone boundaries and the project site is included in the **Appendix**.



#### 1.2 BACKGROUND/PREVIOUS STUDIES

A master hydrology plan has been completed for the Eagle Canyon Ranch area entitled *Hydrology Master Plan for Eagle Canyon Ranch Subdivision* by DEW Hydrology (Master Plan). The project site has been analyzed as part of the Master Plan. As the site is part of a larger piece of property that was split into parcels and given to the County for the NSSDF detention basin and channel system, no detention is required for development of this property per the letter of understanding included within the **Appendix**.

#### 1.3 REGULATORY PERSPECTIVE

The Project site is located within Washoe County's jurisdiction. The onsite pipes and drain inlet drainage facilities will be operated and maintained privately through easements granted over the private roadways but will discharge to Washoe County drainage facility east of the project site.

#### 2 PRELIMINARY DESIGN

The proposed drainage system for the project site consists of sheet flow from the buildings and streets into a system of gutters with which storm water is conveyed into drop inlets and underground storm drainpipes. Onsite flows will be directed to the existing channel east of the site or to the existing concrete v-ditch along Neighborhood Way (small portions of some of the western access roads) which drains to existing storm drain that outlets to the concrete lined channel west of Neighborhood Way and flows south.

#### 3 HYDROLOGIC ANALYSIS

Preliminary flows were estimated for the 5-year and 100-year design events using the rational method per the TMRDM. NOAA Atlas 14 was used for rainfall intensities. The basin calculations are included in the Appendix. There are three outfalls that will drain onsite flows into the existing channel to the east and small roadways that will drain to the existing catch basins on to the v-ditch along Neighborhood Way. Q5's ranged from 0.3 cfs to 5.2 cfs, and Q100's ranged from 0.9 cfs to 16.3 cfs. These flow rates are manageable in private storm drainpipes within the private streets. Total post development flows have been estimated to be 13.2 cfs for the Q5 and 42.9 cfs for the Q100. These are cumulative rational method summaries and are therefore conservative. It's likely the flows will be slightly smaller when routed through the drainage system in greater detail with a final design analysis. As stated previously, detention is not proposed as it is not per the previously discussed waiver.



#### 4 CONCLUSIONS

The drainage facilities for the Continuum of Care Cottage Community will be designed to capture and perpetuate the design storm event flows to existing channels, ditches, and storm drain. The conveyance of flows is in conformance with the Washoe County Development Code and the TMRDM. There will be no negative impacts to any adjacent or downstream properties as a result of development during the 5-year and 100-year storms due to the implementation of the proposed storm water management system, and the waiver of detention requirements as previously stated. It should this report is preliminary in nature and a more detailed study will need to be conducted and a final technical drainage report will need to be submitted with the final improvement plans for the project.

#### 5 REFERENCES

Hydrology Master Plan for Eagle Canyon Ranch Subdivision, DEW Hydrology, February 2016.

Truckee Meadows Regional Drainage Manual, April 30, 2009.

Washoe County Development Code, Latest Version.



# **APPENDIX**

VICINITY MAP

FEMA FIRM Flood Zone Exhibit

PRELIMINARY BASIN FLOW CALCULATIONS (5-YEAR)

PRELIMINARY BASIN FLOW CALCULATIONS (100-YEAR)

PRELIMINARY STORM DRAIN SYSTEM LAYOUT AND HYDROLOGIC BASIN MAP

NOAA ATLAS 14 PRECIPITATION DATA

DETENTION LETTER

( VICINITY MAP )

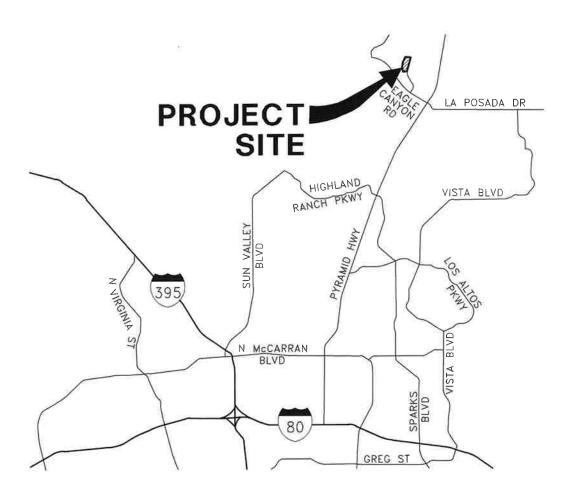
# CONTINUUM OF CARE COTTAGE COMMUNITY

SILVERADO HOMES

WASHOE COUNTY

**NEVADA** 

JANUARY 2022





# National Flood Hazard Layer FIRMette

1.000

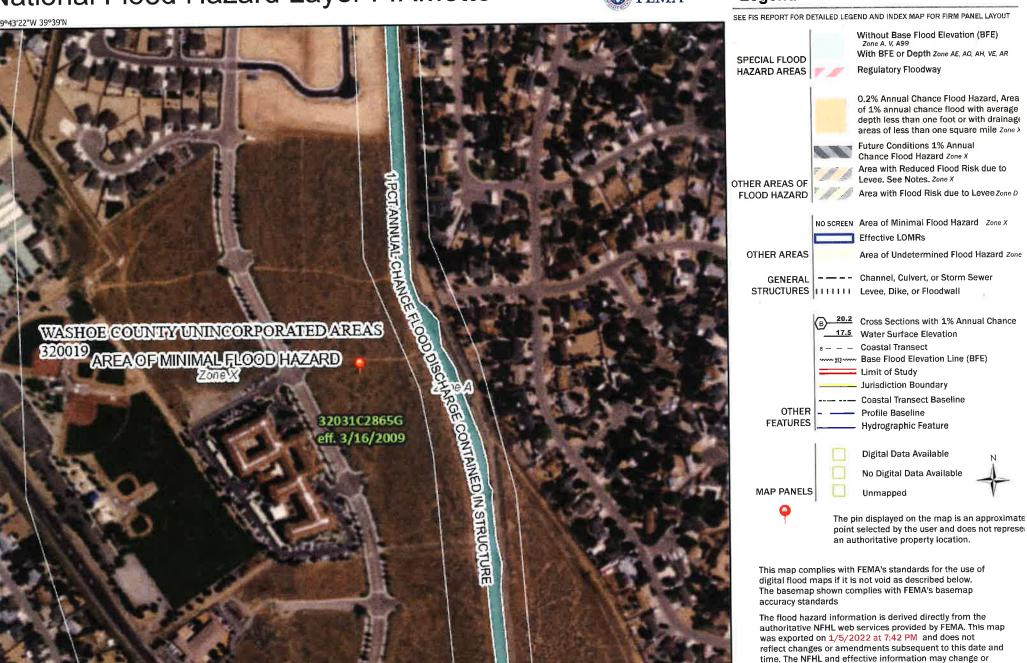
250

500

1,500



#### Legend



1:6,000

2,000

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

become superseded by new data over time.



	TIME OF CONCENTRATION											5-YEAR STORM EVENT														
_				T T	Initia	al Flow Time	, T <sub>1</sub>						T	ravel Time	, T <sub>t</sub>							Total	Urbanized	Final	NOAA ATLAS 14	Rational Flox
	100	Drainage Basin	Drainage	Welghted Average	0	verland Flov	v		Channelia	ed Flow			Gutte	r Flow				Piped	Flow			(T <sub>I</sub> +T <sub>t</sub> )	Basins Check		Rainfall Intensity	
Count	11.0	Diamage Dasin	Area (AC)	C-Factor 5.Year	L <sub>i</sub> (ft)	S (ft/ft)	T <sub>I</sub> (min)	L <sub>s</sub> (ft)	S (fl/ft)	V(ft/s)	T <sub>t1</sub> (min)	L <sub>t</sub> (ft)	S (ft/ft)	V (ft/s)	T <sub>12</sub> (min)	L <sub>i</sub> (ft)	n	Plpe ø	S (ft/ft)	V (ft/s)	Tts (min)	T <sub>c</sub> (min)	T <sub>c</sub> *(min)	T <sub>c</sub> (min)	l <sub>5-⊻ear</sub> (în/ho⊔r)	Q <sub>S-year</sub> (cfs)
			2.10	0.60	140	0.0100	10.6			1		550	0.0050	1.4	6.4							17.0	13.8	13,8	1.14	1.6
- 1	1,001	A-1	2.40				9.0				1	1120	0.0050	1.4	13.0							22.0	16.8	16.8	1.05	5.2
2	1,002	A-2	8.30	0,60	100	0.0100	9.0				_	1100	0.0050	1 4 4	1.3							88	11.0	8.8	1,41	0.3
3	1,003	A-3	0.30	0.60	70	0.0100	7.5	1			1	110		1.9		_		_	_		_	0.0	11.1	6.1	1.64	0.3
4	1.004	A-4	0.30	0.60	20	0,0100	4.0					180	0.0050	1.4	2.1				_		_	0.1				1 4 4
	1.005		1.90	0.60	90	0.0100	8.5					600	0.0050	1.4	7.0							15.5	13.8	13.8	1.14	1,3
5	1,000	A-5	0.40			0.0100	0.5					670	0.0050	1.4	7.8							16.3	14.2	14,2	1,12	2.1
6	1,006	A-6	3 10	0.60	90		0.0					450	0.0050		1.7			_				10.3	11.3	10.3	1.30	0.4
7	1.007	A-7	0.50	0.60	90	0,0100	8,5					150		1.4			_	_		_	_					2.0
-	1,008	A-8	2.80	0.60	70	0.0100	7.5				1 1	475	0.0050	1.4	5,5							13.0	13.0	13,0	1.18	2,0

# CONTINUUM OF CARE COTTAGE COMMUNITY SILVERADO HOMES



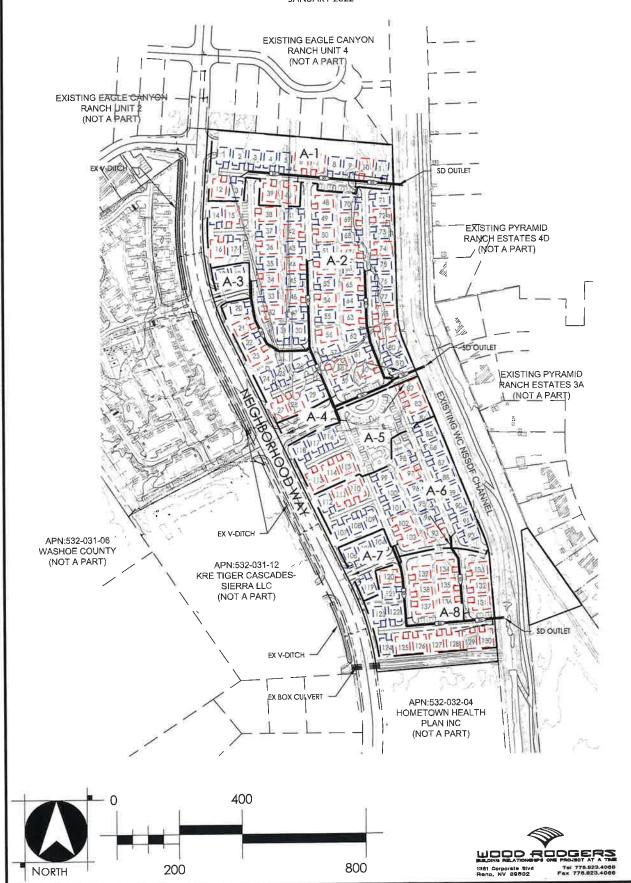
	TIME OF CONCENTRATION												100-YEAR STORM EVENT									
Y			Initial Flow Time, T		e, T <sub>I</sub>	Travel Time, T <sub>t</sub>												Total	Urbanized Basins Check	Final	NOAA ATLAS 14	Rational Flow
Orainage Basin	Drainage	Weighted Average C-Factor 100-Year	Overland Flow			Channelized Flow			Gutter Flow			Piped Flow			(T <sub>I</sub> +T <sub>I</sub> )	, illai	Rainfall Intensity	Kationarriow				
	Area (AC)		L <sub>i</sub> (ft)	S (ft/ft)	T <sub>i</sub> (min)	L <sub>s</sub> (ft)	S (ft/ft)	V(ft/s)	T <sub>t1</sub> (min)	Lt (ft)	S (ft/ft)	V (ft/s)	T <sub>12</sub> (min)	L <sub>t</sub> (ft)	n	V (ft/s)	T <sub>13</sub> (min)	T <sub>c</sub> (min)	T <sub>c</sub> (min) T <sub>c</sub> *(min)	T <sub>c</sub> (min)	l <sub>100-year</sub> (în/hour)	Q <sub>100-year</sub> (cfs)
A-1	2.40	0.78	140	0.0100	6.8					550	0.0050	1.4	6.4					13.2	13,8	13.2	2.82	5.3
A-2	8.30	0.78	100	0.0100	5.8					1120	0.0050	1.4	13.0					18.7	16,8	16,8	2.52	16.3
A-3	0.30	0.78	70	0.0100	4.8					110	0.0050	1.4	1.3					6,1	11.0	6.1	3.94	0.9
A-4	0.30	0.78	20	0.0100	2.6					180	0.0050	1.4	2.1					5,0	11,1	5.0	4.16	1.0
A-5	1.90	0.78	90	0.0100	5.5					600	0.0050	1.4	7.0					12,4	13,8	12.4	2.90	4.3
A-6	3.10	0.78	90	0.0100	5.5					670	0.0050	1.4	7.8					13.2	14.2	13.2	2.81	6.8
A-7	0.50	0.78	90	0.0100	5,5					150	0.0050	1.4	1.7					7.2	11.3	7.2	3,72	1.5
A-8	2.80	0.78	70	0.0100	4.B				1	475	0.0050	1.4	5,5					10.3	13.0	10.3	3.13	6.8

# PRELIMINARY STORM DRAIN SYSTEM LAYOUT AND HYDROLOGIC BASIN MAP

# CONTINUUM OF CARE COTTAGE COMMUNITY

WASHOE COUNTY, NEVADA

JANUARY 2022





NOAA Atlas 14, Volume 1, Version 5 Location name: Sparks, Nevada, USA\* Latitude: 39.6469°, Longitude: -119.7199°

Elevation: 4506.23 ft\*\* source: ESRI Maps
\*\* source: USGS



#### POINT PRECIPITATION FREQUENCY ESTIMATES

Sanja Perica, Sarah Dietz, Sarah Heim, Lillian Hiner, Kazungu Maitaria, Deborah Martin, Sandra Pavlovic, Ishani Roy, Carl Trypaluk, Dale Unruh, Fenglin Yan, Michael Yekta, Tan Zhao, Geoffrey Bonnin, Daniel Brewer, Li-Chuan Chen, Tye Parzybok, John Yarchoan

NOAA, National Weather Service, Silver Spring, Maryland

PF tabular | PF graphical | Maps & aerials

#### PF tabular

PDS-b	ased poir	t precipit	ation freq	uency est	imates wi	th 90% co	onfidence	intervals	(in inches	/hour) <sup>1</sup>
	accu pen	р.со.р			ge recurrenc					
Duration	1	2	5	10	25	50	100	200	500	1000
5-min	<b>1.15</b> (0.960-1.32)	<b>1.43</b> (1.20-1.68)	<b>1.92</b> (1.62-2.28)	2.40 (2,02-2,87)	<b>3.20</b> (2.64-3,88)	<b>3.96</b> (3.17-4.86)	<b>4.87</b> (3.78-6.07)	<b>5.99</b> (4.46-7.62)	<b>7.80</b> (5,51-10,3)	<b>9.47</b> (6,41-12.8)
10-min	<b>0.876</b> (0.726-1.01)	<b>1.09</b> (0.906-1.27)	<b>1.46</b> (1.24-1.73)	<b>1.82</b> (1.54-2.18)	<b>2.44</b> (2.00-2.95)	<b>3.01</b> (2.41-3.70)	<b>3.71</b> (2.87-4.62)	<b>4.55</b> (3.40-5,80)	<b>5.93</b> (4.19-7.82)	<b>7.21</b> (4.88-9.73)
15-min	0.724 (0.604-0.836)	<b>0.900</b> (0.752-1.06)	<b>1.21</b> (1.02-1.43)	<b>1.51</b> (1.27-1.80)	<b>2.01</b> (1.66-2.44)	2.49 (1.99-3.06)	3.06 (2.38-3.82)	<b>3.76</b> (2.81-4.79)	<b>4.90</b> (3.46-6.46)	<b>5.96</b> (4.03-8.04)
30-min	0.488 (0.406-0.562)	0.606 (0.508-0.710)	0.816 (0.688-0.966)	<b>1.02</b> (0.856-1.21)	<b>1.36</b> (1.12-1.64)	<b>1.68</b> (1.34-2.06)	<b>2.06</b> (1.60-2,57)	2.53 (1.89-3.23)	3.30 (2.33-4,35)	<b>4.01</b> (2.71-5.41)
60-min	0.302 (0.252-0.348)	0.375 (0.314-0.439)	0.505 (0.426-0.597)	<b>0.629</b> (0.529-0.750)	<b>0.839</b> (0,691-1,02)	1.04 (0.830-1.27)	<b>1.28</b> (0.990-1.59)	<b>1.57</b> (1.17-2.00)	<b>2.04</b> (1.44-2.69)	<b>2.48</b> (1,68-3,35)
2-hr	0.200 (0.176-0.231)	0.248 (0.219-0.288)	0.320 (0.280-0.372)	0.383 (0.330-0.444)	0.482 (0.404-0.562)	0.570 (0.467-0.674)	0.676 (0.539-0.808)	<b>0.813</b> (0.628-1.01)	<b>1.06</b> (0.784-1.36)	<b>1.30</b> (0.922-1.69)
3-hr	0.160 (0.142-0.182)	0.198 (0.178-0.227)	0.250 (0.222-0.285)	0.292 (0.257-0.334)	0.352 (0.305-0.404)	0.405 (0.345-0.471)	0.470 (0.392-0.553)	<b>0.561</b> ( <b>0</b> .457-0.678)	<b>0.720</b> (0.569-0.915)	<b>0.873</b> (0.670-1.14)
6-hr	0.113	<b>0.141</b>	<b>0.176</b>	0.202	0.236	0.262	0.289	0.323	0.390	<b>0.456</b>
	(0.101-0.128)	( <b>0</b> .126-0.160)	( <b>0</b> .156-0.199)	(0.179-0.229)	(0.207-0.270)	(0.226-0.301)	(0.246-0.335)	(0.270-0.380)	(0.319-0.465)	(0.368-0.576)
12-hr	0.074	0.093	<b>0.118</b>	<b>0.137</b>	<b>0.162</b>	<b>0.181</b>	0.201	<b>0.221</b>	0.248	<b>0.271</b>
	(0.066-0.083)	(0.083-0.105)	(0.105-0.132)	(0.121-0.154)	(0.142-0.184)	(0.157-0.207)	(0.172-0.232)	( <b>0</b> .185-0.258)	(0.203-0.296)	(0.217-0.329)
24-hr	0.046	0.058	0.075	0.088	<b>0.107</b>	<b>0.122</b>	<b>0.138</b>	<b>0.155</b>	<b>0.178</b>	0.196
	(0.041-0.052)	(0.052-0.066)	(0.067-0.084)	(0.079-0.099)	(0.095-0.121)	( <b>0</b> .107-0.138)	(0.119-0.157)	(0.132-0.177)	(0.149-0.206)	(0.161-0.230)
2-day	0.028	0.035	0.046	<b>0.054</b>	0.066	<b>0.076</b>	0.086	0.097	<b>0.112</b>	<b>0.125</b>
	(0.025-0.031)	(0.031-0.040)	(0.040-0.052)	(0.048-0.061)	(0.057-0.075)	( <b>0</b> .065-0.087)	(0.073-0.100)	(0.082-0.113)	(0.092-0.133)	(0.101-0.150)
3-day	0.020	0.026	0.033	<b>0.040</b>	0.049	<b>0.057</b>	0.065	0.073	0.086	<b>0.096</b>
	(0.018-0.023)	(0.023-0.029)	(0.030-0.038)	( <b>0</b> .035-0.045)	(0.043-0.056)	( <b>0</b> .049-0.065)	(0.055-0.075)	(0.062-0.086)	(0.070-0.102)	(0.077-0.115)
4-day	<b>0.016</b>	0.021	0.027	0.033	0.041	<b>0.047</b>	<b>0.054</b>	0.062	0.072	0.081
	( <b>0</b> .014-0.019)	(0.018-0.024)	(0.024-0.031)	(0.029-0.037)	(0.036-0.047)	(0.041-0.054)	( <b>0</b> .046-0.063)	(0.052-0.072)	(0.059-0.086)	(0.065-0.097)
7-day	<b>0.011</b>	0.014	<b>0.019</b>	0.022	0.028	0.032	0.037	0.042	0.049	<b>0.055</b>
	( <b>0</b> .010-0.013)	(0.012-0.016)	(0.016-0.021)	(0.019-0.026)	(0.024-0.032)	(0.027-0.038)	(0.031-0.043)	(0.035-0.050)	(0.040-0.059)	( <b>0</b> .044-0.067)
10-day	0.009	<b>0.011</b>	<b>0.015</b>	0.018	<b>0.022</b>	0.025	0.029	0.032	0.038	<b>0.042</b>
	(0.008-0.010)	( <b>0.0</b> 10-0.013)	(0.013-0.017)	(0.015-0.020)	( <b>0</b> .019-0.025)	(0.021-0.029)	(0.024-0.034)	(0.027-0.038)	(0.031-0.045)	(0.034-0.051)
20-day	0.005	0.007	0.009	0.011	<b>0.013</b>	<b>0.015</b>	0.017	0.019	0.022	<b>0.024</b>
	(0.005-0.006)	(0.006-0.008)	(0.008-0.010)	(0.009-0.012)	( <b>0</b> .011-0.015)	(0.013-0.017)	(0.014-0.020)	(0.016-0.022)	(0.018-0.026)	( <b>0</b> .019-0.028)
30-day	0.004	0.005	0.007	0.008	0.010	<b>0.011</b>	<b>0.013</b>	<b>0.014</b>	<b>0.016</b>	<b>0.018</b>
	(0.004-0.005)	(0.005-0.006)	(0.006-0.008)	(0.007-0.010)	(0.009-0.012)	(0.010-0.013)	(0.011-0.015)	( <b>0</b> .012-0.017)	( <b>0</b> .014-0.019)	(0.015-0.021)
45-day	0.003	0.004	0.006	0.007	<b>0.008</b>	0.009	<b>0.010</b>	<b>0.011</b>	0.012	<b>0.014</b>
	(0.003-0.004)	(0.004-0.005)	(0.005-0.006)	(0.006-0.007)	( <b>0</b> .007-0.009)	(0.008-0.010)	(0.009-0.011)	(0.009-0.013)	(0.010-0.014)	(0.011-0.016)
60-day	0.003	0.004	0.005	0.006	0.007	0.007	0.008	0.009	0.010	0.011
	(0.002-0.003)	(0.003-0.004)	(0.004-0.005)	(0.005-0.006)	(0.006-0.008)	(0.006-0.008)	(0.007-0.009)	(0.008-0.010)	(0,008-0.012)	(0.009-0.012)

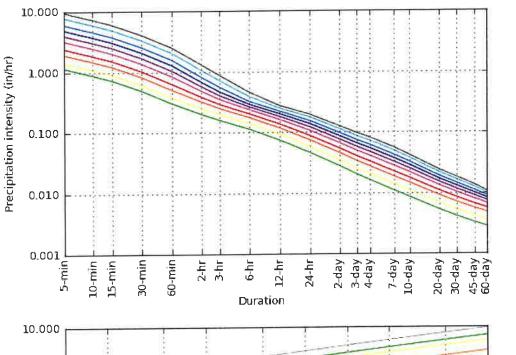
Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS).

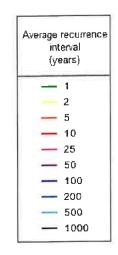
Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values.

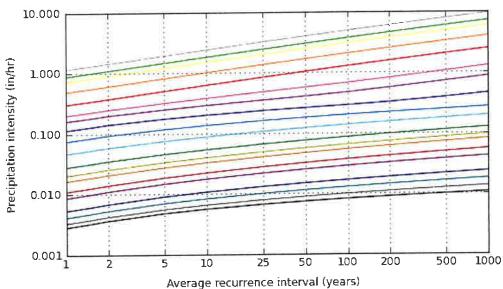
Please refer to NOAA Atlas 14 document for more information.

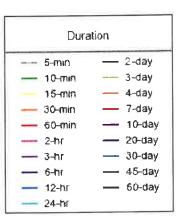
#### PF graphical

PDS-based intensity-duration-frequency (IDF) curves Latitude: 39.6469°, Longitude: -119.7199°









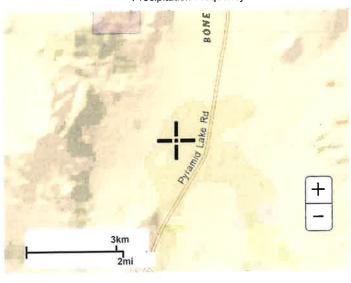
NOAA Atlas 14, Volume 1, Version 5

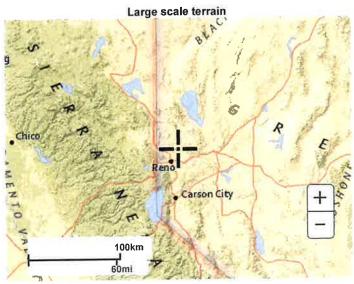
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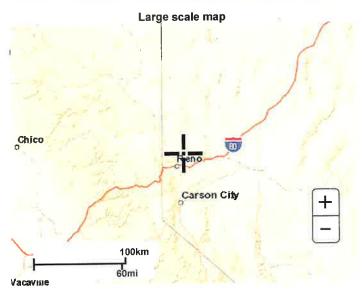
Back to Top

#### Maps & aerials

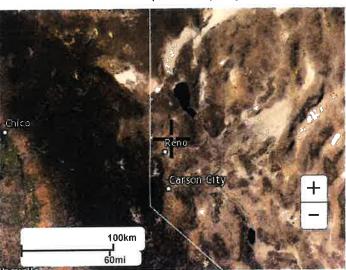
Small scale terrain







Large scale aerial



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US Department of Commerce

National Oceanic and Atmospheric Administration

National Weather Service

National Water Center

1325 East West Highway
Silver Spring, MD 20910

Questions?: HDSC.Questions@noaa.gov

<u>Disclaimer</u>

# **HAWCO**

PROPERTIES

PMB 444 9732 State Route 445 Sparks, NV 89435 Ph (775) 425-2900 Fx (775) 425-1631

RECEIVED

NOV 0.7 2001

OFFICEUP **VASHOECOUNTYENGINFEP** 

November 6, 2001

David Roundtree, Director Washoe County Public Works Dept. P.O. Box 11130 Reno, Nevada 89520

via Facsimile

Re:

TM01-011 - Eagle Canyon III Flood Control

Dear Dave:

This letter confirms our understanding regarding construction and contribution by the developer of flood control facilities to divert storm flows from Stormy Cenyon and other west drainages through the above-referenced subdivision into Boneyard Flat for the 100-year, 24-hour event, as shown in the tentative map application, subject to approval by the county of the hydrology issues pursuant to the tentative map conditions. This diversion will substantially reduce the storm water which flows south through the flood plain west of Pyramid Lake Highway and crosses the highway to contribute to flooding in Sparks.

You have agreed that Eagle Canyon III and other future developments within the Spanish Springs Specific Plan located west of Pyramid Lake Highway will not be required to detain or retain any flood flows caused by development, or otherwise, since the negative flooding impact from future development is far outweighed by the positive impact of diverting the west drainages into Boneyard

I would appreciate your written confirmation below of Hawco's understanding.

Sincerely,

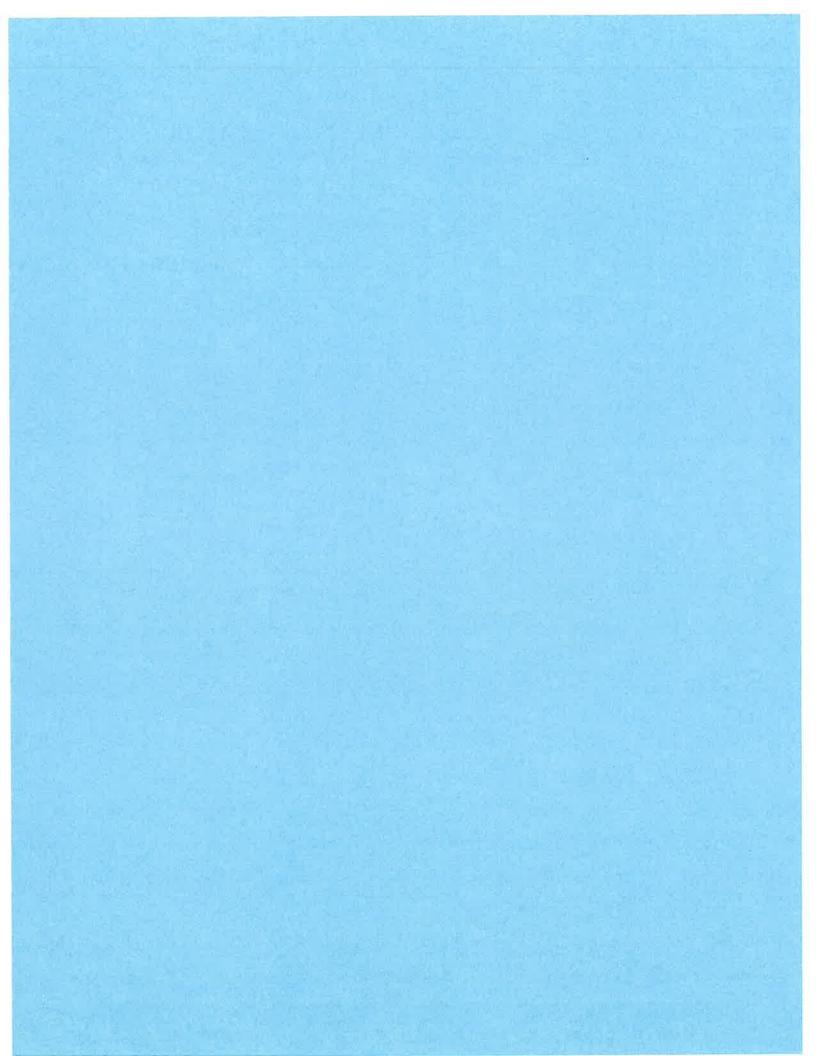
HAWCO MANAGEMENT, INC.

a Nevada corporation

DAVID ROUNDTREE, Director

Washoe County Public Works Department

APPROVED:



### PRELIMINARY SANITARY SEWER REPORT

**FOR** 

# CONTINUUM OF CARE COTTAGE COMMUNITY

Prepared for:

Silverado Homes 5525 Kietzke Lane, Suite 102 Reno, NV 89511

January 2022

Prepared by:

Wood Rodgers Inc. 1361 Corporate Boulevard Reno, Nevada 89502 (775) 823-4068 Todd Gammill, PE – Associate

23

01/09/2022



### **TABLE OF CONTENTS**

1	Introduction 1
2	BACKGROUND/EXISTING FACILITIES
3	PROPOSED CONDITIONS
4	CONCLUSION

### **APPENDIX**

VICINITY MAP
SANITARY SEWER SYSTEM LAYOUT
8" SS PIPE CALCULATIONS



#### 1 Introduction

This report shall serve as the preliminary sanitary sewer report for the Continuum of Care Cottage Community project, which will consist of 136 detached single family style senior homes and a clubhouse. The proposed project site (APN 532-032-05 and a portion of APN 532-032-16) is approximately 21.44± acres in size and is located within a portion of Section 34 of T21N, R20E, MDM, Washoe County, Nevada.

The project site is bounded by Eagle Canyon Ranch Unit 4 to the north, existing Neighborhood Way to the west, a drainage channel and undeveloped land to the south, and Washoe County's North Spanish Springs Drainage Facility (NSSDF) outlet regional detention outfall channel. A Vicinity Map is included in the **Appendix** of this report for reference.

# 2 BACKGROUND/EXISTING FACILITIES

This site is currently undeveloped land. An existing 10" sanitary sewer main currently runs north to south within Neighborhood Way and existing 8" stubs have been provided for the site.

## 3 PROPOSED CONDITIONS

A Sanitary Sewer Layout is provided in the **Appendix** of this report to show the proposed layout of the sewer mains for the overall Continuum of Care Cottage Community subdivision. It is anticipated that the project will connect to the existing 8" sewer stubs provided to the site, one at the existing intersection midway through the site and one south of the site through the shared access with the property to the south.

The proposed sanitary sewer system was analyzed in accordance with Washoe County Department of Water Resources, Utility Services Division.

Peak sewage flows for single family residence homes are based upon the following equation:

# Q = # of Units \* Peaking Factor \* Per Capita Contributions

Peaking Factor = 3.0 for Single and Multi-Family Residential Per Capita Contributions = 270 gal per capita per day



The overall peak flow for this project using criteria above is calculated to be:

270 gal per capita per day \* 3 \* 137 single family residences = 110,970 gal/day

The gravity sewer Collection Design Standards for Washoe County require that sewer mains meet a minimum velocity of 2.5 feet per second (fps) at half full pipe condition. An 8" pipe meeting these conditions has a capacity of 280,605 gallons per day (at 0.44% slope) and a 10" pipe has a capacity of 440,609 gallons per day (at 0.33% slope). The capacity of the 8" and 10" pipes at this slope are 564,463 gallons per day and 886,324 gallons per day, respectively.

Additionally, it should be noted that per Washoe County standards of 180 gallons per day per dwelling unit for treatment, the project is expected to contribute 24,660 gallons per day to the Truckee Meadows Water Reclamation Facility (TMWRF) via the City of Sparks collection system southeast of the site.

#### 4 Conclusion

The proposed sanitary sewer system discussed in this report is shown to sufficiently serve the proposed Continuum of Care Cottage Community project. The Continuum of Care Cottage Community project will connect to the existing sanitary sewer system in Neighborhood Way which has been designed with enough capacity to serve the project area. As this report is preliminary in nature, a more detailed study will need to be conducted and a final sanitary sewer report will need to be submitted with the final improvement plans for the project.

# **APPENDIX**

VICINITY MAP
SANITARY SEWER SYSTEM LAYOUT
PIPE CALCULATIONS

( VICINITY MAP )

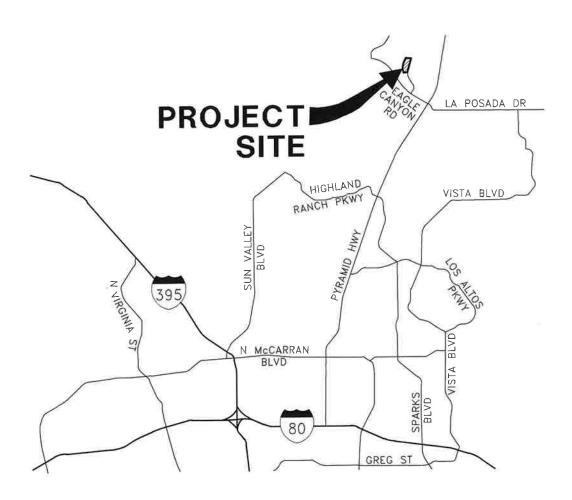
# CONTINUUM OF CARE COTTAGE COMMUNITY

SILVERADO HOMES

WASHOE COUNTY

**NEVADA** 

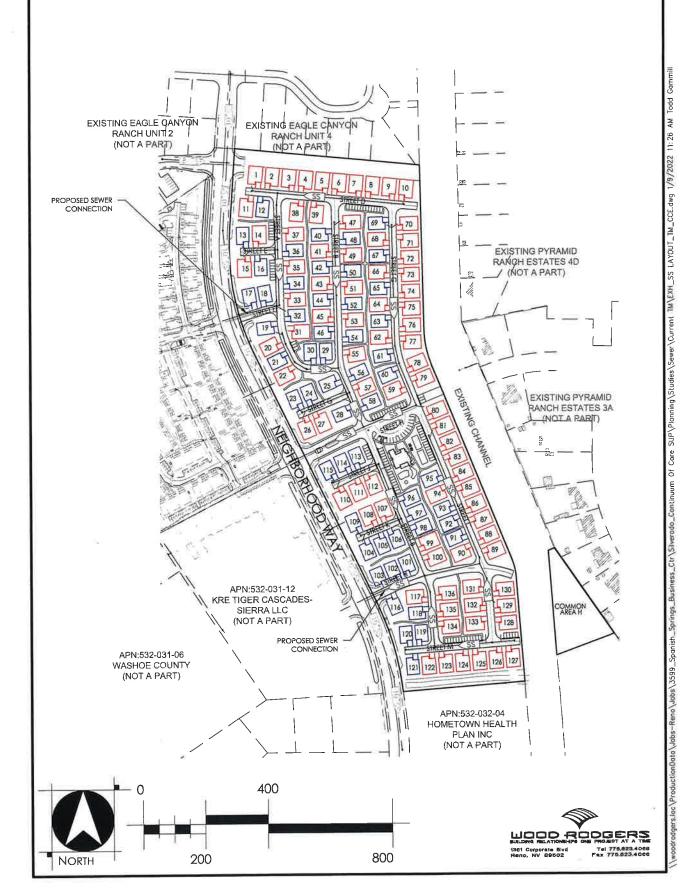
JANUARY 2022





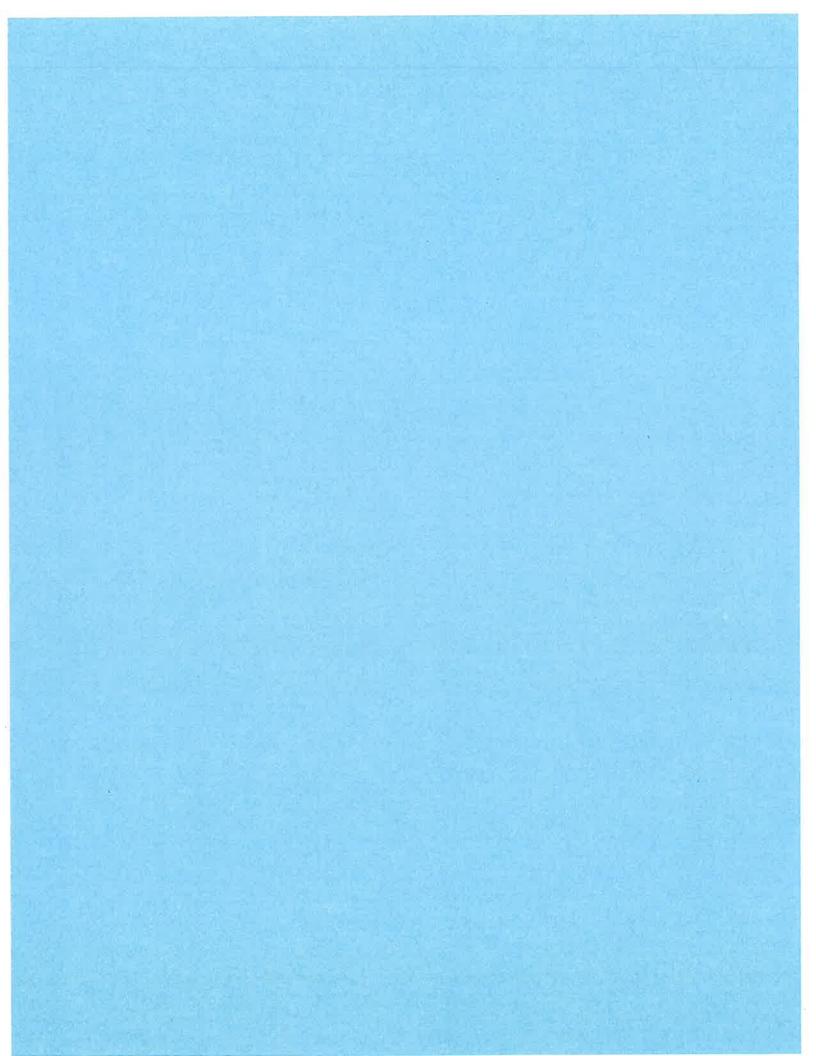
# PRELIMINARY SANITARY SEWER LAYOUT CONTINUUM OF CARE COTTAGE COMMUNITY

WASHOE COUNTY, NEVADA JANUARY, 2022



### **CCE 8" MIN SLOPE HALF FULL**

Project Description		
Cristian Mathod	Manning	
Friction Method	Formula	
Solve For	Discharge	
Input Data		
Roughness Coefficient	0.012	
Channel Slope	0.44 %	
Normal Depth	4.0 in	
Diameter	8.0 in	
Results		
Discharge	280,605 gpd	
Flow Area	0.2 ft <sup>2</sup>	
Wetted Perimeter	1.0 ft	
Hydraulic Radius	2.0 in	
Top Width	0.67 ft	
Critical Depth	3.7 in	
Percent Full	50.0 %	
Critical Slope	0.58 %	
Velocity	2.49 ft/s	
Velocity Head	0.10 ft	
Specific Energy	0.43 ft	
Froude Number	0.857	
Maximum Discharge	603,697 gpd	
Discharge Full	561,210 gpd	
Slope Full	0.11 %	
Flow Type	Subcritical	
GVF Input Data		
Downstream Depth	0.0 in	
Length	0.0 ft	
Number Of Steps	0	
GVF Output Data		
Upstream Depth	0.0 in	
Profile Description	N/A	
Profile Headloss	0.00 ft	
Average End Depth Over Rise	0.0 %	3
Normal Depth Over Rise	0.0 %	
Downstream Velocity	0.00 ft/s	
Upstream Velocity	0.00 ft/s	
Normal Depth	4.0 in	
Critical Depth	3.7 in	
Channel Slope	0.44 %	
Critical Slope	0.58 %	

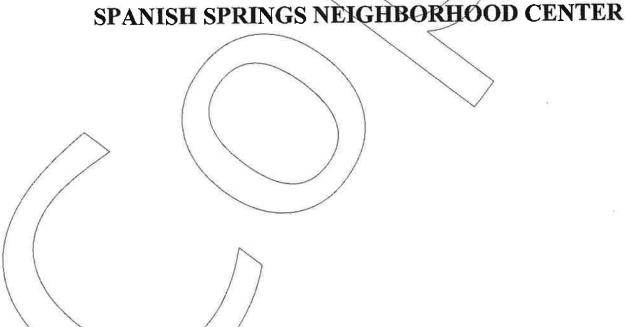


#### WHEN RECORDED RETURN TO:

Spanish Springs Associates Limited Partnership c/o Robert M. Sader, Esq. 8600 Technology Way, Suite 101 Reno, Nevada 89521 DOC # 3586756 10/22/2007 02:32:56 PM Requested By ROBERT M SADER Washoe County Recorder Kathryn L. Burke - Recorder Fee: \$59.00 RPTT: \$0.00 Page 1 of 46







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### DECLARATION OF COVENANTS, CONDITIONS AND RESTRICTIONS FOR SPANISH SPRINGS NEIGHBORHOOD CENTER

THIS DECLARATION OF COVEN	ANTS, CONDITIONS AND RESTRICTIONS (the
"Declaration") is made this day of	, 2007, by SPANISH
SPRINGS ASSOCIATES LIMITED PA	RTNERSHIP, a Nevada limited partnership, (the
"Declarant").	

#### RECITALS:

- A. Declarant is the owner of certain real property located in the County of Washoe, State of Nevada. The real property described in Exhibit "A" attached hereto and incorporated herein by this reference shall be referred to as the "Property". The Property together with any other real property which is hereafter made subject to this Declaration pursuant to Article 11 hereof shall be hereinafter referred to as the "Property". Declarant may, but shall not be so obligated to, add real property to the Property which is covered by this Declaration. As of the date of this Declaration, Declarant contemplates that the real property described in Exhibit "B" may be so added at some future date pursuant to the provisions of Article 11 hereof; however, Declarant makes no representation or warranty that the real property described in Exhibit "B" will be annexed.
- B. Declarant intends to develop the Property as a multiple purpose civic, mixed use and commercial area which will be known as the "Spanish Springs Neighborhood Center". The Property is envisioned to include land devoted to, without limitation, office, civic, residential, commercial uses and other uses allowed under the "Neighborhood Commercial" or mixed use land use designation of Washoe County's Spanish Springs Area Plan, including any future land use designation or zoning changes approved by Washoe County. The Property is a portion of the Spanish Springs Area Plan (the "SSAP"). The SSAP specifies permitted uses on the Property, which may be further restricted by this Declaration.
- Declarant may, in its sole and absolute discretion, convey title or lease portions of any property it owns within the Property to certain persons or entities. Any such property, whether conveyed absolutely or subject to a leasehold estate, shall at all times be subject to the covenants, conditions and restrictions hereinafter set forth and all other terms and provisions of this Declaration, as amended or otherwise modified from time to time.
- D. Declarant deems it desirable to establish covenants, conditions and restrictions upon the Property for purposes of creating a general scheme for the improvement, development, use, occupancy and enjoyment thereof, all to insure the proper development and use of the Property

and to enhance and protect its value, desirability and attractiveness as a viable neighborhood center; and more particularly, without limitation, to:

- 1. protect the Owners and Occupants of Lots against such improper or inappropriate development and use of surrounding Lots as may depreciate the value and use of their Lots;
- prevent the erection on the Property of structures constructed of improper or unsuitable materials, or with improper quality and methods of construction;
- insure reasonably consistent development of the Property;
- 4. encourage and insure the erection of attractively designed permanent improvements appropriately located within the Property in order to achieve harmonious appearance and function;
- 5. insure adequate funding for construction, maintenance, care and repair of Common Areas;
- 6. provide for the ownership and maintenance for the common benefit of all Owners and Occupants of open space, certain landscaped areas, drainage ways and other Common Area; and
- generally promote the welfare of the Occupants and Owners of Lots.

NOW, THEREFORE, Declarant hereby covenants, agrees and declares that all of its interests in the Property, as the same may from time to time appear or develop, shall be held and conveyed or leased (as applicable) subject to the following covenants, conditions and restrictions, which are hereby declared to be for the benefit of said interests in the Property and the owners or lessees of said interests, together with their permitted successors and assigns, if any. These covenants, conditions and restrictions shall run with said interests and shall be binding upon all parties having or acquiring any right or title of any nature whatsoever in said interests or any portion thereof, and shall inure to the benefit of each owner or lessee thereof and are imposed upon said interests and each of them as a servitude in favor of each and every of said interests as the dominant tenement or tenements.

### **ARTICLE 1 - GENERAL PROVISIONS**

### 1.1 Restrictions Operate as Covenants.

Each person or entity that acquires any interest in the Property or any portion thereof hereby covenants and agrees with Declarant (and its successors and assigns, if any) to use the Property only in accordance with the covenants, conditions and restrictions herein set forth and

to refrain from using the Property in any way inconsistent with or prohibited by the provisions of this Declaration.

#### 1.2 Intent of Restrictions and Covenants.

The intent of this Declaration is to insure proper development and use of the Property, to protect the Owner or Occupant, present or future, of each Lot established (or to be established) therein against improper development and use of other Lots in such a manner as to cause the value of any Lot to depreciate or become impaired in value; to prevent Improvements that are inconsistent with Declarant's overall development scheme; and, in general, to provide for a high quality of improvement of the Property in accordance with Declarant's overall development scheme.

#### 1.3 Enforcement.

It shall primarily be the responsibility of the Association to enforce the terms and provisions of this Declaration as required. Notwithstanding the generality of the foregoing, each and every Owner shall retain such enforcement rights as permitted or allowed in accordance with this Declaration as against other Owners or Occupants, or any of them.

#### 1.4 Definitions.

Unless the context of this Declaration clearly indicates otherwise, capitalized terms or phrases found in this Declaration shall have the following meanings.

- 1.4.1 "Architectural Committee" or "Committee" shall mean the Architectural Committee created pursuant to Article 2 of this Declaration.
- 1.4.2 "Assessments" shall mean Regular Assessments and Special Assessments, as applicable.
- 1.4.3 "Association" shall mean the Spanish Springs Neighborhood Center Association established pursuant to Article 2 of this Declaration.
- 1.4.4 "Board" shall mean the board of directors (also sometimes called the Executive Board) of the Association.
- 1.4.5 "Building" shall mean any structural improvement on any Lot which is enclosed by exterior walls, floor or roof and is designed for use by the Owner of such Lot, or such Owner's Occupants, licensees, tenants, successors or assigns.
- 1.4.6 "Common Areas" shall mean and refer to those areas of land shown on any recorded plat or its equivalent of the Property (or any portion thereof) filed or approved by Declarant and identified thereon as "Common Area(s)", or as land subject to a Common Area

easement of maintenance or use by the Association, or any interest in land within the Property owned by Association.

### 1.4.7 "Common Expenses" shall mean the actual costs of:

- (a) improvements, maintenance, irrigation, utilities, management, operation, reserves, repair and replacement of landscaping, recreation, open space, drainage facilities, joint use and related improvements to all Common Areas (e.g., related improvements may include work out stations, clock towers, art objects, sculptures, paths or trails, water features and signs), provided that construction of drainage facilities and landscaping in Common Areas shall be the obligation of Declarant prior to dedication of said improved Common Areas to the Association;
- (b) reasonable, normal and customary costs of management and performance of Association duties and obligations hereunder, including, but not limited to, compensation paid to managers, accountants, consultants, attorneys, contractors, employees, and members of the Architectural Committee;
- (c) the reasonable costs of any insurance obtained by the Association including, without limitation, public liability insurance, fidelity coverage, casualty, errors and omissions, and other forms of insurance generally obtained by persons or firms performing functions similar to those performed by the Association;
- (d) reasonable reserves as deemed appropriate by the Association;
- (e) any costs or expenses incurred with respect to the operation, maintenance, repair or replacement of any Common Area Signs erected at entrances to the Property or elsewhere;
- other reasonable expenses incurred by the Association in connection with maintenance, management, operation, improvement or repair of the Common Areas, or in the furtherance of the purposes of this Declaration or in the discharge of any duties or powers of Association herein described;
- (g) the cost of any other services which the Association determines is desirable for the benefit of the Property and the Owners and Occupants, including, without limitation, installation and maintenance of streets, driveways, utilities, drainage facilities, snow removal, and landscaping service; and

- (h) the cost of maintaining and repairing hardscape or landscaping in public Streets or right-of-ways adjacent to or in the vicinity of the Property, including medians, parkways, roundabouts and flower beds.
- 1.4.8 "Common Maintenance Areas" shall mean those portions of the Property reserved or set aside for the purpose of, without limitation, planting, locating, installing, replanting, relocating, reinstalling, maintaining, removing, treating, repairing, and irrigating trees, hedges, shrubs, bushes, plantings, plants, grass, flowers, and other forms of vegetation (including natural vegetation) which, in the sole discretion of the Declarant or Architectural Committee, is necessary to design, create and maintain attractive areas of vegetation throughout the Property in furtherance of the purposes of this Declaration.
- 1.4.9 "County" shall mean the County of Washoe, a political subdivision of the State of Nevada.
- 1.4.10 "Design Guidelines" shall have the meaning specified in Article 4 of this Declaration.
- 1.4.11 "Developable Acreage" shall mean land within the Property owned by a Member on which development of land is customarily feasible and allowed by applicable local, state and federal law (e.g., land on which any structure, parking lot, landscaping or other ancillary use to a commercial or industrial property can be located). Generally, all portions of Lots specifically parceled for development within the Property, excluding Common Area, shall be considered Developable Acreage. Undeveloped land owned by Declarant which is future Streets, flood plain, wetlands, drainageways or subject to other constraints which make said undeveloped land customarily infeasible to be developed shall not be considered Developable Acreage.
- 1.4.12 "Ground Cover" shall mean shrubs planted in such a manner that selected portions of the Property are covered with foliage or hardscape.
- 1.4.13 "Improvement" shall mean structures of any kind, above, on or below the land surface, including, without limitation, Buildings, walls, all utilities lines and facilities, parking facilities, private driveways and streets, walkways and sidewalks, fences, poles, loading areas, and related improvements and other structures of any type whatsoever, Landscaping, and Signs. This term shall include both original improvements and all subsequent changes and improvements thereto.
- 1.4.14 "Inorganic Mulch" shall mean decomposed granite, rock or river washed cobble used to completely cover selected portions of the Property.
- 1.4.15 "Landscaping" shall mean selected portions of the Property covered by Lawn (as defined below), Ground Cover or Inorganic Mulch combined with shrubbery and trees which may be complemented with berms, masonry, fencing or other materials.

- 1.4.16 "Lawn" shall mean selected portions of the Property completely covered with grass, which is properly maintained and irrigated.
- 1.4.17 "Lot" shall mean a parcel that is eligible for separate transfer of ownership pursuant to the filing of a map (or maps) for land subdivision purposes in accordance with applicable laws of the State of Nevada and local governmental entities (including, without limitation, those of Washoe County, Nevada) or by any other procedures permitted or required by such applicable laws.
  - 1.4.18 "Member" shall have the meaning set forth in Section 2.1 of this Declaration.
- 1.4.19 "Mortgage" shall mean and refer to any duly recorded mortgage or deed of trust encumbering a Lot.
- 1.4.20 "NRS" shall mean the Nevada Revised Statutes, as amended, adopted, or otherwise altered or changed from time to time by the Nevada legislature.
- 1.4.21 "Occupant" shall mean one or more persons or entities that have a legal right to occupy any portion of the Property (or Buildings or Improvements located thereon) pursuant to fee ownership, a leasehold interest or any other valid and enforceable legal relationship.
- 1.4.22 "Owner" shall mean one or more persons or entities who are the record owner of fee simple title of a Lot, or the vendee under an installment land sales contract with respect to such Lot, but excluding those having any such interest merely as security for the performance of an obligation. In the event that the ownership of any Building or other Improvement on any Lot shall ever be severed from the land, whether by lease or by deed, only the owner of the interest in the land shall be deemed an Owner hereunder. An Owner shall not necessarily be an Occupant. The Owner of fee title of a Lot and not the lessee of such Lot shall be deemed the Owner with respect to such Lot, regardless of the provisions of the lease.
  - 1.4.23 "Property" shall have the meaning set forth in Recital A of this Declaration.
- 1.4.24 "Regular Assessment" shall mean the amount to be paid to the Declarant by each Owner for such Owner's annual share of Common Expenses.
- 1.4.25 "Sign" shall mean any structure or device, electric or non-electric, permanent or temporary, and all parts thereof which are erected or otherwise used within the Property for identification or advertising purposes.
- 1.4.26 "Site" shall mean all contiguous Lots owned by the same Owner (or owned in common by two or more Owners) which the Owner(s) thereof have requested Declarant or Association to consider as a single building site in reviewing for approval of plans and specifications for the development of such Lots in accordance with this Declaration; provided, however, that occupancy of a Building on two or more Lots by two or more Occupants shall not alter the character of such Lots as a single Site.

- 1.4.27 "Special Assessment" shall have the meaning set forth in Section 6.6 of this Declaration.
- 1.4.28 "Street" shall mean a vehicular right-of-way owned by the Association, public streets or highways, whether presently constructed, dedicated by plat map, or contemplated in the future pursuant to any plan approved or adopted by Declarant or any public authority, including, without limitation, Washoe County, the Regional Transportation Commission or the Nevada Department of Transportation.

### 1.5 Exemption From NRS Chapter 116.

The Property is expressly hereby declared exempt from Nevada Revised Statutes Chapter 116, the Common-Interest Ownership Act (the "Act"), despite the specific incorporation of certain provisions thereof as provided in Section 6.12. Moreover, the Property is currently restricted by provisions of the SSAP exclusively to nonresidential uses, which results in the Act being inapplicable pursuant to NRS 116.1201(2)(b). If, however, residential areas are allowed in the future under applicable government land use laws and commenced on any Lot within the Property, and said residential uses qualify as a "planned community" as defined in NRS Chapter 116 so that the Property would lose its exemption from NRS Chapter 116, and NRS Chapter 116 would therefore be applicable, then each Lot not so exclusively restricted to nonresidential uses shall automatically be deannexed from this Declaration upon first commencement of the residential use, as further specified in Subsection 12.3, and this Declaration shall have no force or effect on said deannexed Lot.

## ARTICLE 2 - SPANISH SPRINGS NEIGHBORHOOD ASSOCIATION

### 2.1 <u>Membership</u>.

Each and every person or legal entity who is an Owner shall automatically be a member of the Association (a "Member"), provided that any person or entity who holds such an interest merely as security for the performance of any obligation shall not be a Member. The Association shall have no Members who are not also Owners. Membership is mandatory.

### 2,2 Classes of Voting Members.

The Association shall have two (2) classes of voting membership:

CLASS A. Class A Members shall be all those Members described in Section 2.1 hereof with the exception of Declarant. Class A Members shall be entitled to one (1) vote for each one (1) acre of Developable Acreage owned within the Property. Partial increments of one (1) acre shall entitle a Member to fractional voting rights. If any property interest, ownership of which entitles the Owner thereof to vote, is held jointly or in common by more than one (1) person, the vote or votes to which such property interest is entitled may also be held jointly or in common in

the same manner. However, the vote or votes for such property interest shall be cast, if at all, as a unit, and neither fractional votes nor split votes shall be allowed. In the event that the persons who constitute an Owner are unable to agree among themselves as to how their vote or votes shall be cast as a unit, they shall lose their right to cast their vote or votes on the matter in question. In joint ownership situations, any person who is a part Owner shall be entitled to cast the vote or votes for that Owner unless another part Owner shall have delivered to the Secretary of the Association before the vote a written statement to the effect that the person wishing to cast the vote or votes has not been authorized to do so by the other persons who constitute part of the Owner.

<u>CLASS B.</u> The Class B Member shall be Declarant. The Class B Member shall be entitled to ten (10) votes for each one (1) acre of Developable Acreage owned by Declarant within the Property. A partial increment of one (1) acre shall entitle the Member to fractional voting rights.

#### 2.3 Assignment

Class A voting rights may be assigned, in whole or in part to an Occupant, as such rights relate to a particular Lot occupied by the Occupant, provided that written notice of the assignment is given to Association prior to the exercise of voting rights by the Occupant. Class B voting rights may only be assigned by Declarant concurrently with the assignment of all Declarant rights, and only in the circumstance when all Property then owned by Declarant is transferred to the assignee.

### 2.4 Powers Conferred by Corporate Daw.

In addition to any powers described herein, the Association shall have all of the powers of a Nevada nonprofit corporation, subject only to such limitations upon the exercise of such powers as are expressly described in this Declaration, the Association Articles of Incorporation, or its Bylaws. It shall further have the power to do and perform any and all acts which may be necessary or proper for or incidental to the exercise of any of the express powers granted to it by the laws of Nevada or by this Declaration.

## 2.5 Association Establishment and Purpose.

2.5.1 <u>Establishment</u>. The Association shall be created by Declarant as a nonprofit Nevada corporation. The Association shall be created for the purposes, charged with the duties, and invested with the powers prescribed by law or described in its Articles of Incorporation, Bylaws and in this Declaration. Neither the Articles of Incorporation nor the Bylaws of the Association shall for any reason be amended or otherwise changed or interpreted so as to be inconsistent with this Declaration. In case of conflict between the terms of this Declaration and the Articles of Incorporation or the Bylaws of the Association, this Declaration shall control.

## 2.5.2 Purpose. The purpose of the Association shall be to:

- (a) Own and maintain encroachment permits, easements and deeded real property for Common Area within the Property; including without limitation the funding, operation and maintenance of the following common elements: paths; sidewalks; trails; open space; fences; landscaping; signs; entry ways; drainage ways and drainage facilities; private streets and curbs (if any); snow removal and storage areas, landscaping, fire and fuelbreaks, lighting, and surface water detention areas.
- (b) Provide for removal of ice and snow from Common Area streets (if any) and parking areas owned or controlled by the Association at any time when such a condition may restrain access within the Property. The Association shall either contract for snow and ice removal or acquire equipment and hire personnel to effect the provisions of this subsection. In the event that snow removal operations require exporting of snow or ice from roads or parking areas, said material may be exported outside the perimeter of the Property to a suitable location, said material may also be deposited within the perimeter of the Property on an appropriate easement, open area or Common Area in such a manner as to not unreasonably restrict access or create an unreasonable hazard to any road, parking area or common walkway, or restrict access to any Lot or Site.
- (c) Enforce and administer any provisions of this Declaration pertaining to the Association's rights, obligations, powers and duties.
- 2.5.3 <u>Purchase Of Equipment</u>. The Association shall purchase any and all equipment, materials and supplies necessary to undertake its duties imposed by this Declaration, its Articles and Bylaws. The Association may purchase any equipment, materials and supplies from the Declarant provided the purchase price shall be no more than the fair market value thereof.
- or support certain activities within the Property designed to make the Property safer than it otherwise might be. Neither the Association nor the Declarant shall in any way be considered insurers or guarantors of security within the Property, nor shall any of them be held liable for any loss or damage by reason of failure to provide adequate security or of ineffectiveness of security measures undertaken. No representation or warranty is made that any fire protection system, burglar alarm system, security personnel or other security system cannot be compromised or circumvented, nor that any such systems or security measures undertaken will in all cases prevent loss or provide the detection or protection for which the system is designed or intended. Each Owner acknowledges, understands and covenants to inform its Occupants that the Association and the Declarant, are not insurers or liable to any person for conduct resulting from acts of third parties.

### 2.6 Architectural Committee.

- 2.6.1 <u>Designation of Committee</u>. The Association shall have an Architectural Committee ("Committee"), which shall consist of not less than three (3) persons nor more than seven (7) persons who shall be natural persons, and who shall be appointed by the Board. Any and all members of the Committee may be removed by the Board with or without cause. The Committee members need not be Members and may be independent, paid consultants. Until the date Declarant no longer owns or leases any portion of the Property, the appointment or removal of the members of the Committee by the Board must be approved by Declarant. Declarant may waive its right to appoint or approve, but any incident of waiver shall not adversely affect Declarant's subsequent rights hereunder.
- 2.6.2 Function of Architectural Committee. No Improvement (except as exempted in Section 2.6.3) shall be erected, constructed, placed, altered (by addition or deletion), maintained or permitted to remain on any portion of the Property until plans and specifications, in such form and detail as the Committee may deem necessary, shall have been submitted to and approved in writing by the Committee. The Committee shall have the power to employ professional consultants to assist it in discharging its duties. The decision of the Committee shall be final, conclusive, and binding upon the applicant. The Committee may require a written certification from an Owner's representative who has prepared and submitted the plans and specifications (e.g., architect, engineer, consulting firm) that said submittal is in compliance with the provisions of this Declaration, rules and regulations, and any Design Guidelines; except for any aspects of noncompliance for which a variance has been requested from the Committee as specified in Subsection 2.6.10.
- 2.6.3 <u>Certain Improvements Exempted</u>. Replacement or repair of any Landscaping or any other Improvements which do not change exterior colors or exterior appearances shall not be required to be submitted and approved by the Committee.
- 2.6.4 Standards of Approval. Approval of plans and specifications shall be based, among other things, on adequacy of site dimensions, structural design, utility and Landscaping design, street and emergency access, drainage design, conformity and harmony of external design and location with neighboring structures and sites, relation of finished grades and elevations to neighboring sites, conformity to both the specific and general intent of this Declaration, as well as compliance with any other federal, state or local laws, rules or regulations. In addition to these standards of approval, the Committee may promulgate both substantive and procedural rules and standards in addition to those stated above in this Section, in a standards and procedures handbook ("Design Guidelines") or as rules and regulations.
- 2.6.5 Failure of the Committee to Act. Upon submittal of plans and specifications to the Committee, the Committee may approve, disapprove, or determine that such plans and specifications are not sufficiently complete or are otherwise inadequate, in which case the Committee may reject them as being inadequate or may approve or disapprove part, conditionally or unconditionally, and reject the balance. If the Committee fails to take action

within thirty (30) days after submittal, it shall be conclusively presumed that the Committee has approved said plans and specifications.

- 2.6.6 Fees. The Committee may assess fees to applicants or others who require or use Committee services. If assessed, the fees shall reasonably reflect the costs and expenses of the Committee to perform its duties, including compensation to Committee members. The Committee may disapprove plans submitted for failure of the applicant to prepay fees. Any fees which are assessed but not paid when due shall be deemed a Special Assessment.
- 2.6.7 Construction Requirements. Upon receipt of approval of its plans and specifications, any Owner or Occupant shall diligently proceed with the commencement and completion of all approved construction. Unless work on the approved construction shall be commenced one (1) year from the date of such approval and diligently pursued thereafter, the approval shall automatically expire, except in cases where the Committee has given a written extension of time. The Committee may, as a condition of its approval, specify a different construction timetable for commencement and completion of all or any phase of Improvement construction.
- 2.6.8 <u>Prior Approval</u>. Approval of plans and specifications by the Committee may be secured prior to acquisition of a Lot pursuant to the terms of a sale contract or lease.
- 2.6.9 <u>Submittal and Inspection Requirements</u>. Information shall be submitted to the Committee in connection with its consideration of any development plans, as stated in the Committee's Design Guidelines, rules or regulations. Inspections may also take place, but the Committee is not required to inspect Improvements.
- 2.6.10 <u>Variances</u>. The Committee in its sole discretion may grant variances to the provisions of this Article, Design Guidelines, rules or regulations due to undue hardship, extraordinary or exceptional circumstances, or if the granting of the variance will not significantly undermine or adversely affect the intent and purposes of this Declaration. No variances granted by the Committee shall be deemed to create a variance from (or right of noncompliance with) any applicable ordinance, law, rule or regulation of a governmental agency with jurisdiction.

### 2.7 Provision for Fines.

The Association and the Architectural Committee shall each have the right pursuant to the enforcement rights set forth in this Article and Article 8 hereof to assess fines, not to exceed \$1,000.00 for each occurrence, for any violation or failure to comply with the provisions of this Declaration, any rules or regulations authorized by this Declaration, or provisions of the Association Articles of Incorporation or Bylaws. Upon assessment of such fine pursuant to written notice thereof provided to an Owner or Occupant, such Owner or Occupant shall have thirty (30) days from receipt of such written notice to effectuate a cure or remedy for the violation (provided the violation is capable of remediation). If such cure or remedy is deemed complete and sufficient by the Association or Architectural Committee, as applicable, the fine

shall be extinguished and written notice thereof shall be provided to such Owner or Occupant. Should such Owner or Occupant fail to effectuate a cure or remedy within the thirty (30) day period specified (or if the violation is not continuing and not capable of remediation), the amount of such fine, together with interest on said fine pursuant to Section 6.6 hereof, shall be immediately due and payable and shall constitute a Special Assessment and lien upon such Owner's Lot until paid. If the fine is assessed for a continuing violation, payment of the fine does not excuse the violation and the Committee may fine again or avail itself of other enforcement rights, or both, in order to correct the violation.

#### 2.8 Liability.

Neither the Declarant, the Association, its Directors, the Architectural Committee or the members or designated representatives thereof shall be liable to (i) anyone submitting plans or specifications to them for approval, (ii) any Owner, or (iii) any other person or entity, in damages, loss or prejudice suffered or claimed on account of any mistake in judgment, negligence or nonfeasance arising out of or in connection with the approval or disapproval, or failure to approve or disapprove, of (a) any plans or specifications, whether or not defective; (b) any construction or performance of any work whether or not pursuant to approved plans, drawings and specifications; (c) any Improvement or development of any property within the Property; (d) any execution and filing of a notice of non-compliance whether or not the facts therein are correct; (e) any inspection or failure to inspect Improvements; or (f) any Improvements or plans for Improvements in violation of, or otherwise not in compliance with, applicable codes, laws, regulations or policies of government entities or utilities. Plans and specifications are not approved by the Architectural Committee for engineering design or adequacy.

## ARTICLE 3 - USE RESTRICTIONS

### 3.1 Prohibited Uses/Nonresidential Uses Only.

In addition to uses prohibited pursuant to this Declaration, any use which is not authorized pursuant to the SSAP, applicable zoning or other land use ordinances (or other entitlement permits/requirements) of the County is expressly prohibited on the Property. In addition, in order to comply with NRS 116/1201(2)(b) and exempt the Property and this Declaration for the provisions of NRS Chapter 116, the Property shall hereby be restricted exclusively to nonresidential uses, or residential uses which would not be a "planned community" as defined in NRS Chapter 116.

### General Prohibitions and Covenants.

No use shall be permitted on the Property which is not allowed under applicable public codes, regulations and ordinances either already adopted or as may be adopted by the County or other applicable public authority. Each Owner, Occupant or other user of any portion of the Property at all times shall comply with this Declaration and the Design Guidelines and with any

and all laws, ordinances, policies, rules, regulations and orders of all federal, state, county and municipal governments or their agencies having jurisdictional control over the Property, including, without limitation, applicable land use restrictions placed upon the Property as they exist from time to time. In some instances, governmental requirements may be more or less restrictive than the provisions of this Declaration and the Design Guidelines. In the event a conflict exists between any such governmental requirement and any requirement of this Declaration or the Design Guidelines, the more restrictive requirement shall prevail, except in circumstances where compliance with a more restrictive provision of the Declaration or the Design Guidelines would result in a violation of mandatory applicable governmental requirements, in which event those governmental requirements shall apply. Compliance with mandatory governmental requirements shall not result in the breach of this Declaration or the Design Guidelines even though such compliance may result in noncompliance with provisions of this Declaration or the Design Guidelines. Where a governmental requirement does not clearly conflict with the provisions of this Declaration or the Design Guidelines but permits action that is different from that required by this Declaration or the Design Guidelines, the provisions of this Declaration and the Design Guidelines shall prevail.

#### 3.3 Fire Protection.

All Buildings shall be designed, constructed and maintained so as to comply fully at all times with any applicable public codes, ordinances, rules, regulations and orders relating to fire protection. All such Buildings and their associated ingress and egress from and to Streets and surface parking areas shall be so related to one another and arranged as to permit ease of access for fire and other emergency vehicles. Designated fire lanes within any Lot shall be so located, marked and protected from encroachment as to function effectively at all times. Appropriate signage, as required by applicable governmental entities and approved by the Architectural Committee, shall be installed for such fire lanes and maintained in readable condition.

### 3.4 <u>Parking</u>.

Each Owner or Occupant shall provide on its Lot adequate parking areas for employees, the disabled, visitors and service vehicles. No parking shall be permitted on Streets and on entrance driveways.

### 3.5 Signage/Use Of Name.

No sign or other advertising device of any nature shall be placed on the Property except as approved by the Architectural Committee. Declarant or the Association shall have the right to install and maintain signs advertising the Property. No Owner or Occupant may use the name "Spanish Springs Neighborhood Center" or the "Spanish Springs Neighborhood Center" logo or mark (if any) in the name of any Building or in any advertisement or promotional material of any kind or nature whatsoever, without first obtaining the prior written consent of Declarant.

### 3.6 <u>Loading Docks and Areas</u>.

Each Lot shall provide sufficient on-site loading facilities to accommodate Lot activities, and all loading movements, including, without limitation, turnarounds, shall be made off of Streets.

#### 3.7 Landscaping.

Each Owner, contemporaneously with the development of Improvements on a Lot, shall install Landscaping on areas on its Lot in accordance with applicable laws, the Design Guidelines and subject to approval by the Architectural Committee. An Owner shall keep Landscaping in good condition and repair and in a neat and orderly appearance and shall be responsible for all expenses relating to the maintenance, repair or replacement of Landscaping on the Owner's Lot. Automatic underground irrigation systems shall be installed in all landscaped areas on a Lot. No changes shall be made to the Landscaping plan for a Lot without the prior written approval of the Architectural Committee.

### Surface Water Flow and Drainage.

Plans for all detention basins, ponds, other water features or facilities of any kind, and general Lot drainage, must be submitted in advance for Architectural Committee approval. To the extent that drainage is not controlled by a Common Area Use and Maintenance Easement, each Owner shall control water runoff drainage from his Lot to prevent damage to other Lots, Streets or any other area in the Property, pursuant to applicable County standards.

### 3.9 <u>Trash and Garbage</u>.

No Lot nor any portion thereof shall be used or maintained as a dumping ground for rubbish, trash or garbage before, during or after the installation of any Improvements. Trash collection enclosures and containers shall be situated as required by the Architectural Committee. Each Owner shall observe and comply with any and all requirements established by the Architectural Committee in connection with the storage and removal of trash and garbage. If within ten (10) days after the issuance of written notice by the Association to an Owner, said Owner shall have failed either to remove any trash, rubble or construction debris, or to exercise reasonable care or conduct to prevent or remedy a dangerous, unclean or unsightly condition, then the Association shall have the authority and right (but not the obligation) to go on the Lot for the purpose of cleaning said Lot or otherwise correcting said condition, or conditions. Should the Association undertake such corrective action on behalf of an Owner, it shall bill such Owner for the costs and expenses related thereto and if such bill is not paid within thirty (30) days, the amount thereof shall be a Special Assessment and constitute a lien upon the Lot and shall also be the personal obligation of the Owner of the Lot as set forth in Article 6 hereof.

#### 3.10 Environmental Issues.

No Owner or Occupant of the Property or any portion thereof (unless issued an applicable government license or permit therefor) shall handle, store, deposit, use, process, manufacture, dispose of or release or allow any of its agents, employees, contractors or invitees to handle, store, deposit, use, process, manufacture, dispose of or release any Hazardous Substances (defined below) of any kind from, on, in, under or in the air above any part of the Property, including, without limitation, any surface waters or groundwater located on the Property, or into public sanitary sewer systems serving the Property without complying with all Environmental Laws (defined below) including, without limitation, performing pre-treatment, obtaining permits and giving notices as required by Environmental Laws. "Hazardous Substances" means those substances now or hereafter included within (whether as a result of such substance's inclusion on a list, physical characteristics or otherwise) any of the definitions of, without limitation, "hazardous substances", "hazardous waste", "hazardous materials", "pollutant", "contaminant" or "toxic substance" under, or otherwise regulated by, any Environmental Law; including, without limitation (i) mixtures containing listed Hazardous Substances and waste generated from the treatment, storage or disposal of Hazardous Substances; (ii) asbestos; (iii) polychlorinated biphenyls; (iv) radioactive materials; and (v) petroleum (including crude oil or any fraction thereof), natural gas, natural gas liquids, liquified natural gas and synthetic gas. "Environmental Laws" shall mean and include, without limitation, all present and future federal, state or local laws, rules, orders, ordinances and regulations pertaining to environmental regulation, or the use, processing, storage, disposal, generation or transportation of Hazardous Substances, or any contamination, cleanup or disclosure related thereto, including, without limitation, the Resource Conservation and Recovery Act of 1976, 42 U.S.C. § 6901 et seq., the Comprehensive Environmental Response, Compensation, and Liability Act of 1980, 42 U.S.C. § 9601 et seq., the Federal Water Pollution Control Act, 33 U.S.C. § 1251 et seq., Nev. Rev. Stat. ch. 459, Nev. Rev. Stat. ch. 444, Nev. Rev. Stat. ch. 445, Nev. Rev. Stat. ch. 590, Nev. Rev. Stat. Sections 618.750 through 618.850, inclusive, Nev. Rev. Stat. Section 477.045, the Uniform Fire Code, 1988 Edition, and such amendments as may be made to these statutes and such regulations as may be promulgated with respect thereto.

Each Owner and Occupant shall be responsible for and shall pay all costs and expenses related to the disposal or release by such Owner or Occupant of any Hazardous Substances, sewage or wastes of any kind in, on, under or in the air above the Property, which costs and expenses shall include, without limitation, closure, removal, remediation, cleanup, containment and other response costs, injuries to persons, damages to property (whether real or personal), legal expenses, and interest paid to any governmental entity; provided, however, that this covenant does not apply to Hazardous Substances generated on or migrating from other Lots or already existing on the Lot in question as of the date of the acquisition of such Lot by such Owner, which are the responsibility of the generating party. The covenant in the immediately preceding sentence itself does not create any obligation of an Owner or Occupant other than for the payment of the costs and expenses described in such sentence, and no person has any rights under the covenant in such sentence to enforce any claim for any remedy against such Owner or Occupant other than for the payment or recovery of the costs and expenses described in such sentence.

#### 3.11 Fuel Facilities.

The Owner of any Lot on which fuel storage and dispensing facilities are installed shall be fully responsible for insuring that such facilities and their installation comply fully with all applicable laws and regulations, and the provisions of this Declaration.

#### 3.12 Construction Standards.

- 3.12.1 Any builder, contractor, or subcontractor engaged to construct Improvements on any portion of any Lot may conduct its construction operations and activities to expeditiously commence, continue and diligently complete construction of any such Improvements, including the provision of temporary buildings or trailers for administration of work and for the storage of materials and equipment, and the construction of temporary security fences and lighting. Each Owner is responsible for all costs of cleaning up any debris or waste resulting from the construction of Improvements on its Lot or Site. Each Owner and its agents must maintain an attractive, clean, nuisance-free environment during the period of construction, including dust control. Declarant or the Board shall have the right to designate points of ingress and egress on the Lot and within the Property for construction vehicles, and each Owner of a Lot on which Improvements are being constructed shall use all reasonable efforts to keep all Streets cleared of mud and dirt left by construction vehicles entering such Lot. Once commenced, all construction on a Lot shall be continued with due diligence and good faith until completion.
- 3.12.2 Each Owner expressly covenants that it shall prevent adverse impacts, including, without limitation, air, soil, dust and water pollution, soil erosion, elimination of vegetation without replacement or increased runoff rates to areas outside its Lot in any way resulting from construction, reconstruction, alteration, maintenance, repair, replacement or removal of Improvements and that it shall indemnify and hold harmless the Association, the Architectural Committee, Declarant and other Owners from any and all damages resulting therefrom. All possible contaminants must be stored in a containment facility that will not allow such to enter any soils or groundwater on or off the Lot.
- 3.12.3 Prior to any excavation on a Lot, the Owner shall determine and mark the location of and will protect all existing utilities and landscape irrigation lines. Utility lines and landscape irrigation lines are to be located before earth moving or drilling equipment operations are allowed to commence near underground utilities or landscape irrigation lines.

### 3.13 Owners' Maintenance Responsibilities.

Each Owner shall have the duty and responsibility, at its sole cost and expense, to keep its Lot, and the Buildings and Improvements thereon in a well-maintained, safe, clean, neat, orderly and attractive condition at all times, normal wear and tear and deterioration excepted. Such maintenance includes, without limitation, the following: prompt removal of all litter, trash, refuse and waste; lawn mowing; tree and shrub care; watering; other Landscaping maintenance; keeping exterior lighting and mechanical facilities in working order; keeping driveways and

private roads in good repair; keeping all signs in good repair; complying with all government, health and police requirements; repairing exterior damage to Improvements; and striping and repair of parking and drive isle areas and repainting of Improvements. The Association shall have the right (but not the obligation) to perform any maintenance, repair or replacement required of Owner by this Section on a Lot upon the failure of the Owner to do so if such failure continues for seven (7) days after written notice thereof is given by the Association to such Owner (or after such longer notice period as may be allowed by the Architectural Committee due to the nature of such deficiency). Should the Association undertake such corrective action on behalf of an Owner, it shall bill such Owner for the costs and expenses related thereto (plus a reasonable administrative fee not to exceed 15%) and if such bill is not paid within thirty (30) days the amount thereof shall constitute a Special Assessment and shall be a lien upon the Lot and shall also be the personal obligation of the Owner as set forth in Article 6 hereof.

## 3.14 Restrictive Covenants for Exclusive or Permitted Uses.

Declarant may, by covenant duly recorded in the office of the Washoe County Recorder, limit uses on any Lot by any of the following methods:

- (a) specify an exclusive use on a Lot, thereby prohibiting other uses of that Lot and other Lots from engaging in that use. However, no exclusive use granted to another shall be binding against a Lot without the Owner's consent, if: (1) the Lot was transferred by sale or lease by Declarant to an Owner prior in time to the imposition of the exclusive use for the benefit of another; and (2) the permitted uses on the Lot allow the use otherwise prohibited by the exclusive use;
- (b) specify certain permitted uses on a Lot owned by Declarant, thereby restricting the uses to be engaged in on that parcel; and
- (c) limit uses on a Lot owned by Declarant by restrictive covenants or easements.

### 3.15 Variance.

The Architectural Committee is hereby granted the discretion and right to permit a variance from any of the requirements of this Article (except Sections 3.10) due to undue hardship, extraordinary or exceptional circumstances, or if the granting of the variance will not significantly undermine or adversely affect the intent and purposes of this Declaration. No variances granted by the Committee shall be deemed to create a variance from (or right of noncompliance with) any applicable ordinance, law, rule or regulation of a governmental agency with jurisdiction.

### **ARTICLE 4 - DESIGN GUIDELINES**

#### 4.1 General Provisions.

Design Guidelines, including development standards and criteria for the Property, may be promulgated or amended by majority vote of the Committee. Design Guidelines, to be effective, do not have to be recorded against the Property; provided that any development standards and procedures promulgated by Washoe County, including any design standards or guidelines, shall be deemed Design Guidelines for purposes of this Article, whether recorded or not. Design Guidelines promulgated by the Committee may not be imposed retroactively (i.e., after an Owner's plans have been approved).

#### 4.2 Conflicts.

The parties hereto expressly acknowledge and agree that in the event of a conflict between the terms, conditions, covenants and provisions of this Declaration and the Design Guidelines, the terms, conditions, covenants and provisions of this Declaration shall control, unless said Design Guidelines are promulgated by Washoe County, in which case said Design Guidelines shall control.

## ARTICLE 5 - COMMON AREAS

### 5.1 <u>Easements of Enjoyment.</u>

Subject to the provisions of Section 5.3.5, every Member of the Association, Occupants and their employees shall have a right and easement of enjoyment in and to the Common Areas.

## 5.2 <u>Title And Improvements To Common Areas.</u>

- 5.2.1 Declarant shall convey ownership of certain Common Areas or an easement thereto to the Association, which shall be responsible for their care, operation and maintenance: either within one (1) year after their designation as such on a recorded plat or its equivalent; or within sixty (60) days after completion of Improvements to be constructed thereon (if any), whichever event is later. Common Areas owned in fee simple by the Association may typically be (but are not limited to) those parcels of land which are entry landscape or signage areas, drainage ways or open space.
- 5.2.2 Common Areas which are under Association management, care, operation and maintenance due to an easement as specified in Article 7 hereof or encroachment permit, shall be owned in fee simple by the Owners or others (e.g., County roundabout landscaping or Common Area Maintenance Easement).

5.2.3 Prior to dedication to Association of Common Areas to be improved by Declarant or by an Owner (e.g., landscaped areas, drainage channels and basins), all Improvements therein shall be completed in a good and workmanlike manner and consented to by the Association.

### 5.3 <u>Rights of Association</u>.

The rights and easements of enjoyment in Common Areas created hereby shall be subject to the following:

- 5.3.1 the right of the Association to prescribe rules and regulations for the use, enjoyment, and maintenance of the Common Areas;
- 5.3.2 the right of the Association to sell and convey the Common Areas, or any part thereof, provided such sale or conveyance is expressly authorized by Section 5.7.2, or approved by a majority of the total eligible votes of the Members at a properly noticed meeting of the Association;
- 5.3.3 the right of the Association to borrow money for the purpose of improving the Common Areas, or any part thereof, and to mortgage the Common Areas, or any part thereof;
- 5.3.4 the right of the Association to take such steps as are reasonably necessary to protect the Common Areas, or any part thereof, against foreclosure,
- 5.3.5 the right (but not the obligation) of the Association to suspend the easements of enjoyment of any member of the Association during which time any Assessment levied is delinquent; and
- 5.3.6 any other rights or provisions of Association specified in its Articles of Incorporation or Bylaws.

### 5.4 <u>Use</u>.

The use of the Common Areas is not confined to their present use, nor is it confined to the initial Landscaping or improvements located thereon. The Owners and Occupants shall have the right to use the Common Areas for purposes consistent with the other provisions set forth in this Declaration. The general public may also be allowed to use and enjoy Common Area, either as required by County provisions, or as allowed by the Association.

### 5.5 <u>Additional Common Areas</u>.

Declarant may, at any time by Supplemental Declaration, without the approval of the Owners, Occupants or Association, add additional portions of the Property to the Common Areas and specify the purpose of such additional areas, provided that such additional portions are either owned by Declarant or Association or, in the case of Property owned by the Owners, are covered by easements or licenses granted to Declarant or Association and said Owners consent to the

addition of Common Areas on their lots. The Board must approve the addition of Common Areas. Any such unapproved addition of Common Areas shall be null and void.

### 5.6 <u>Licensed Landscaping Areas</u>.

Declarant or Association may obtain from an applicable government entity a right to landscape portions of public rights-of-way within or adjacent to the Property, sometimes referred to as "Licensed Landscaping Areas". Subject to the provisions of Subsection 5.2.3, Association shall maintain the landscaping and irrigation systems contained in the Licensed Landscaping Areas (if any), which shall be considered part of the Common Areas.

#### 5.7 Assignment.

- 5.7.1 Declarant and Association are expressly reserved the right to assign all or any of the landscaping license(s) or permit(s) for Licensed Landscaping Areas and all its right, title and interest therein to any third party including, without limitation, the County, other public authorities, a special assessment district, the Owners or the Association. No such assignment or the acceptance thereof will extinguish, limit or modify any landscaping license unless expressly so stated in such instrument.
- 5.7.2 In addition to the foregoing, Declarant and Association are expressly reserved the right to transfer title, possession or control to all or any part of the Common Areas to any third party, including, without limitation, the County, other public authorities, a special assessment district or others, provided that the general uses and purposes of the Common Areas so dedicated are preserved.

### 5.8 <u>Declarant's Obligations</u>.

Except as provided in Section 5.6, nothing herein contained shall require or obligate Declarant to install or maintain Landscaping or other Improvements in the Common Areas.

### 5.9 Owner Enhancement of Common Area.

Owners may, but only with express approval of the Association, construct additional Improvements in Common Areas, provided the Improvements are of a kind and nature which do not detract from the easement of enjoyment created by Section 5.1 and otherwise are consistent with the purposes and uses of Common Area. Association may require as a condition of approval that an Owner maintain and repair, or pay the cost of maintenance and repair, of any Improvements it constructs in Common Areas.

### ARTICLE 6 - ASSESSMENTS FOR COMMON EXPENSES

#### 6.1 Covenant to Pay.

Declarant for each parcel of the Property subject to this Declaration, and each Owner, by its acceptance of a deed for each Lot owned, covenants and agrees to pay to the Association such Regular and Special Assessments as are established, made, and collected as provided in this Declaration.

#### 6.2 <u>Personal Obligations</u>.

Each Assessment, together with any late charge, interest, fine, collection costs, and reasonable attorneys' fees, shall be the personal obligation of the person or entity who was an Owner of the Lot subject to the Assessment at the time such Assessment became due and payable. If more than one person or entity was the Owner of a Lot, the personal obligation to pay such Assessment respecting such Lot shall be joint and several. A purchaser of a Lot shall be jointly and severally liable with the seller for all unpaid Assessments against the Lot without prejudice to the purchaser's right to recover from the seller the amount paid by the purchaser for such Assessments. Suit to recover a money judgment for such personal obligation shall be maintainable by the Association without foreclosure or waiver of the lien securing the same. No Owner may avoid or diminish such personal obligation by abandonment of its parcel.

### 6.3 Purpose and Amount of Assessments.

The Assessment shall be determined by the Board and shall be the amount estimated to be required, and shall be used exclusively to promote the purposes specified in the Declaration for the performance of the duties of the Association. Funds held by the Association shall be held, to the extent possible, in interest bearing accounts.

### 6.4 Regular Assessments.

Not less than sixty (60) days before the beginning of each calendar year, the Board shall meet for the purpose of preparing the proposed operating statement or budget and establishing the Regular Assessment for the forthcoming calendar year, subject to the provisions of Section 6.5; provided, however, the Board may not establish a Regular Assessment which is more than two hundred percent (200%) of the Regular Assessment of the prior year (except the first such year if it should be less than twelve (12) months), without the approval by vote or written consent of Members holding fifty-one percent (51%) of the voting rights.

### 6.5 Budget.

The Board shall adopt a proposed budget for each calendar year based on the projected annual Common Expenses. Within 30 days after adoption of any proposed budget for the Association, the Board shall provide a summary of the budget to all Members, and shall set a date for a meeting of the Members to consider ratification of the budget not less than 14 nor

more 30 days after mailing of the summary. Unless at that meeting 75% of all Members reject the budget, the budget is ratified, whether or not a quorum is present. If the proposed budget is rejected, the periodic budget last ratified by the Members must be continued until such time as the Members ratify a subsequent budget proposed by the Board.

#### 6.6 Special Assessments.

If the Board determines that the estimated total amount of funds necessary to defray the Common Expenses of the Association for a given fiscal year is or will become inadequate to meet expenses for any reason, including, but not limited to, delinquencies in the payment of Assessments, then the Board shall determine the approximate amount necessary to defray such expenses; and if the amount is approved by a majority vote of the Board, it shall become a Special Assessment. The Board may, in its discretion, prorate such Special Assessment over the remaining months of the fiscal year or levy the Assessment immediately against Owners. Additionally, the Association shall have the power to incur expenses for maintenance and repair of the improvements as Special Assessments on any Owner's parcel (and for fees, fines, attorneys fees, costs, interest, late charges and other payment obligations of Owners to Association specified herein) as specified in this Declaration.

### 6.7 <u>Uniform Rate of Assessment.</u>

Except as otherwise specifically provided in this Declaration, Regular and Special Assessments of the Association must be fixed at a uniform rate for all Owners; and the amount assessed to each Owner shall be determined by multiplying the total amount of the Assessment by a fraction, the numerator of which is the Developable Acreage owned by the Owner, and the denominator of which is the total Developable Acreage owned by all Owners (including the Declarant) within the Property. All Developable Acreage owned by Declarant within the Property shall be subject to Assessments.

### 6.8 Assessment Period.

The Regular Assessment period shall commence on January 1 of each year and shall terminate on December 31 of such year; and Regular Assessments shall be payable in advance in one installment unless the Board adopts some other basis for collection. However, the initial Regular Assessment for each Lot shall be prorated for the calendar year in which the Assessment becomes due and, if possible, shall be prepaid in escrow on the purchase of the Lot.

## 6.9 Notice of Assessments; Time for Payment.

The Association will give written notice of Assessments to each Owner, which notice shall specify the amount of the Assessment and the date or dates of payment of the same. Payment shall be due fifteen (15) days after such written notice has been given. Each delinquent Assessment shall bear interest at the rate of eighteen percent (18%) per annum from the date it becomes due, together with a late charge of FIFTY DOLLARS AND NO/100 (\$50.00) for each delinquent installment. Failure of the Association to give notice of the Assessment shall not

affect the liability of the Owner of any Lot for such Assessment, but the date when payment shall become due in such a case shall be deferred to a date fifteen (15) days after such notice shall have been given. Notice shall be deemed given two (2) days after deposit with the U.S. Postal Service, postage prepaid, to the last known address of Owner supplied to Association by Owner (and if none, to the Owner's Lot) and need not be sent by certified or registered mail.

#### 6.10 Statement of Account.

Upon payment of a reasonable fee, and upon written request of any Owner, Occupant or any beneficiary of a deed of trust secured by the Property (or a portion thereof), prospective deed of trust beneficiary, or prospective purchaser of a Lot, the Association shall issue a written statement setting forth the amount of the unpaid Assessments, if any, with respect to such Lot, the amount of the current Regular Assessment, and the date that such Assessment becomes or became due, credit for advanced payments or prepaid items, including, but not limited to, an Owner's share of prepaid insurance premiums, which statement shall be conclusive upon the Association in favor of persons who rely thereon in good faith. Unless such request for a statement of account shall be complied with within twenty (20) days, all unpaid Assessments which became due prior to the date of making such request shall be subordinate to the lien of a deed of trust of the requesting beneficiary which acquired its interest subsequent to requesting such statement.

#### 6.11 Collection of Assessments.

The right to collect and enforce Assessments is vested in the Board acting for and on behalf of the Association. The Board or its authorized representative, may bring suit to enforce the obligations of the Owners to pay Assessments; or the Board may enforce Assessments by other means including the exercise of the power of sale granted to the Board. Suit to recover a money judgment against an Owner for unpaid Assessments together with all other amounts allowed by law or described in this Declaration shall be maintainable without first foreclosing against the Lot subject to the lien for such Assessment or waiving the lien rights granted hereby.

### 6.12 <u>Lien for Assessments; Priority</u>.

All Assessments to any Lot pursuant to this Article, together with interest, fees, charges, fines and other expenses allowed by law shall be secured by a lien on such Lot in favor of the Association. The nature of the lien and the procedure for foreclosure and sale shall be as specified in NRS 116.3116 to 116.31168, inclusive, and those statutes are incorporated herein by reference; provided that any conflict between the provisions of this Declaration and the provisions of said statutes shall be governed by the provisions of this Declaration. In addition, the Association shall have all other rights and remedies at law or equity to enforce an Owner's obligation to pay Assessments, including lien rights provided by NRS Chapter 108 and equitable liens.

#### **ARTICLE 7 - EASEMENTS**

#### 7.1 <u>Drainage</u>.

Declarant and Association hereby reserve to themselves, together with the right to grant and transfer the same to Owners, nonexclusive easements for surface drainage over the Property through the drainage patterns and systems as are established from time to time upon the Property. Except as otherwise set forth as an obligation of Declarant or Association under this Declaration, each Owner shall maintain all such drainage facilities on that Owner's Lot in a neat, orderly and safe condition and in such a manner as to prevent erosion or sliding problems and to facilitate the orderly discharge of water throughout the drainage systems and patterns established from time to time upon the Property.

#### 7.2 Easements for Utilities.

Declarant and Association hereby reserve to themselves, together with the right to grant and transfer the same, nonexclusive easements within the Property for the installation and maintenance of sewer, cable TV, telephone, electric, gas, water (potable and nonpotable), telecommunications, drainage facilities and other utility services as are necessary for Declarant and Association to enjoy its rights and discharge its obligations under this Declaration. Said easements and reservations shall include the right to enter upon the Lots owned by others or to have utility companies enter upon such Lots in or upon which such utilities, connections, lines or facilities or any portion thereof lie, to repair, replace and generally maintain said connections, lines or facilities as and when the same may be necessary; provided, however, that Declarant, Association and each such utility company shall exercise care and consideration in so entering upon another owner's Lot so as not to interfere with the use and enjoyment of same by the Owner and its Occupant and shall promptly repair any damage to any Lot caused by such entry as promptly as possible after completion of the work. Nothing herein shall prevent any Owner of a Lot from relocating any installations or other facilities upon its Lot, at its sole cost and expense, provided such relocation does not interfere with the use and enjoyment of such installations and facilities by Declarant. Each Owner shall be entitled to utilize the surface of the Property in or upon which utilities, connections, lines or facilities lie for paving and landscaping purposes and may construct permanent structures upon said Property provided said Owner relocates such utilities, connections, lines or facilities at its sole cost and expense.

### 7.3 Cut And Fill Slopes.

Declarant and Association hereby reserve to themselves, together with the right to grant and transfer the same to benefitted Owners, a nonexclusive easement on each and every Lot to cut or fill (no steeper than 3:1) all areas within ten (10) feet of an exterior boundary line of the Lot for the benefit of the Lot or other portion of the Property adjoining said exterior boundary line; provided, however, that this easement shall expire as to any such ten (10) foot area (or portion thereof) in which the Owner burdened by the easement has installed permanent improvements (e.g., drainage facilities, parking lots, driveways, other structures, landscaping, fencing) unless said permanent improvements can be removed, repaired or replaced on the cut or

fill slope by the Owner of the benefitted Lot without unreasonable interference with the use and enjoyment of the Lot Owner burdened by the easement, at the sole cost and expense of the Lot Owner benefitted by the easement. Once the cut or fill slope is constructed, the burdened Lot Owner shall be responsible for all repair and maintenance of easement area.

#### 7.4 Other Easements.

Declarant and Association (together with their agents) shall have an easement for full right of ingress and egress at all times within the Property for the exercise of rights under this Declaration and for the carrying out of their other rights, functions, duties and obligations as set forth in this Declaration. Any such entry by Declarant or Association or their duly appointed agents upon the Property shall be made with as minimum inconvenience to the affected Owner or Occupant as practical.

#### ARTICLE 8 - ENFORCEMENT

#### 8.1 Enforcement.

Except as expressly limited herein, Association, Declarant or any Owner shall have the right to enforce the provisions of this Declaration or by any proceeding at law or in equity. Failure by the Association, Declarant or by any Owner to enforce any provision shall in no event be deemed a waiver of the right to do so thereafter. The Association may establish and impose administrative procedures for resolving claims or disputes arising from the interpretation. application or enforcement of any provisions stated herein or specified in the Articles, Bylaws, or rules and regulations adopted by the Association or the Committee, in addition to the procedures specified in Subsection 8.2.

### 8.2 Abatement and Suit.

In addition to other rights and remedies specified herein, or at law or equity, violation or breach of any restriction or covenant herein contained shall give to the Association the right to enter upon the portion of the Property as to which said violation or breach exists and to summarily abate and remove, at the expense of the Owner thereof, any structure, thing or condition that may be or exist thereon contrary to the intent and the meaning of the provisions hereof. In addition, the Association, Declarant and each Owner may commence and prosecute a proceeding at law or in equity against any person or persons who have violated or are attempting to violate any of the provisions of this Declaration to enjoin or prevent them from doing so, to cause said violation to be remedied or to recover damages for said violations.

#### 8.3 Inspection.

Authorized representatives of the Board or the Architectural Committee may from time to time at any reasonable business hour or hours, and upon reasonable notice, enter and inspect any Lot subject to this Declaration to ascertain compliance herewith. Such representatives shall not

enter into any Building pursuant to this Section 8.3 without (i) a good faith belief that entry into such Building is necessary to ascertain compliance herewith, (ii) identifying which portions of the Building require inspection; and, (iii) providing a written explanation of the basis for such belief, at the request of the Owner and/or Occupant. Any inspection in a Building pursuant to this Section shall be limited to those portions of the Building identified in clause (ii) above.

#### 8.4 Failure to Enforce Not a Waiver of Rights.

The failure of the Declarant, the Association, the Architectural Committee or any Owner to enforce any covenant, condition or restriction herein contained shall in no event be deemed to be a waiver of the right to do so thereafter nor of the right to enforce any other covenant, condition or restriction.

#### 8.5 Approvals in Writing.

Whenever in this Declaration the approval or consent of the Association, the Architectural Committee or any Owner is required, such approval or consent shall be effective only if in writing and signed by such party. Unless otherwise specified all approvals or consents shall not be unreasonably withheld.

#### 8.6 Protection of Mortgagees.

A breach of any of the restrictions, conditions, covenants or reservations herein contained shall not defeat or render invalid the lien of any bona fide Mortgage made in good faith and for value as to any Lot, or any portion or portions thereof, but such conditions, covenants and restrictions shall be binding upon and effective against any Owner or Owners of any such Lot, or any portion or portions thereof, whose title is acquired by foreclosure, trustee's sale or otherwise.

### 8.7 Effect of Foreclosure on Assessment Lien.

If any lien created by any provision hereof is subject and subordinate to the lien of a Mortgage: (a) the foreclosure of any lien created herein or pursuant hereto shall not operate to affect or impair the lien of such Mortgage; and (b) the foreclosure of the lien of such Mortgage, the acceptance of a deed in lieu of foreclosure of such Mortgage or a sale under a power of sale included in such Mortgage shall not operate to affect or impair the lien hereof, except that any persons who obtain an interest through any of the events of foreclosure, and their successors in interest, shall take title free of the lien hereof or any personal obligation for charges as shall have accrued to the time of any of the events of foreclosure, but subject to the lien hereof for all said charges that shall accrue subsequent to the events of foreclosure. Nothing in this Section shall be construed to release any Owner from its personal obligation to pay any Assessment levied pursuant hereto.

#### 8.8 <u>Declarant Enforcement.</u>

Declarant has no right to enforce the provisions of this Declaration, other than to exercise the rights given to any member of the Association or to enforce rights granted expressly to Declarant hereby, and Declarant has no obligation or responsibility to enforce the provisions hereof, and shall not be liable for failure to do so.

### ARTICLE 9 - (INTENTIONALLY OMITTED)

## ARTICLE 10 - TERM, TERMINATION, AMENDMENT AND ASSIGNMENT

### 10.1 Term, Amendment and Termination.

This Declaration shall run with and bind the land for a term of forty (40) years from the date this Declaration is recorded, after which time it shall be automatically extended for successive periods of ten (10) years, unless those persons representing at least seventy-five percent (75%) of the voting power of the Members agree to terminate this Declaration, effective at the end of the then current original term or extension period, in which case a notice signed by those persons representing that voting power must be executed and recorded. This Declaration may be amended by an instrument signed by those persons representing over seventy-five percent (75%) of the voting power of the Members; provided that no amendment which imposes obligations or restricts rights of the Declarant, during the period in which Declarant holds fee title or any leasehold interest in any portion of the Property, shall be valid unless approved by the Declarant.

### 10.2 Assignment.

Under circumstances in which Declarant sells or otherwise conveys all of its remaining fee title to the Property, Declarant may assign all of its rights hereunder to the transferee, but only by an express, written assignment, properly recorded in the office of the Washoe County Recorder, Nevada.

## ARTICLE 11 - ANNEXATION

11.1 General Provision. Declarant may at any time or from time to time during the term of this Declaration annex the real property described on Exhibit "B" to the real property which is covered by this Declaration. In addition, Declarant may also annex other real property owned by Declarant, subject to the consent of at least seventy-five percent (75%) of the voting power of the Members. Any said annexation shall require the recording of a certificate of annexation of real property containing the provisions set forth in Section 11.2. This Declaration shall then apply to the annexed real property in the same manner as if it were originally covered by this Declaration, and thereafter, the rights, powers and responsibilities of the parties to this

Declaration with respect to the annexed real property shall be the same as with respect to the real property originally covered by this Declaration, and the rights, privileges, duties and liabilities of the Owners and Occupants of Lots within the annexed real property shall be the same as in the case of the property originally covered by this Declaration, and the term "Property" shall be deemed to include such annexed real property.

### 11.2 Certificate of Annexation.

The certificate of annexation of real property which is referred in Section 11.1 shall be executed by the Declarant and shall contain, without limitation, the following provisions:

- (a) a reference to this Declaration, which reference shall state the date of recording hereof and the document number hereof in the records of Washoe County, Nevada;
- (b) a statement that the provisions of this Declaration shall apply to the annexed real property in the manner set forth in Section 11.1;
- (c) an exact legal description of the annexed real property;
- (d) any additional or specific restrictive covenants which may be applicable solely to the annexed real property; and
- (e) such additional matters as the Declarant may desire to state in the certificate.

## 11.3 Increasing Burdens or Declarant Rights.

The annexation of real property under this Article shall be allowed without recourse to or liability of Declarant, even though said annexation may have the effect of increasing burdens on Common Area, increasing Common Expenses, or increasing the rights of Declarant hereunder.

### ARTICLE 12 - DEANNEXATION

### 12.1 General Provision.

In addition to the deannexation provided for in Section 12.3, Declarant may at any time or from time to time during the term of this Declaration remove Property from the real property owned by Declarant which is covered by this Declaration, subject to the consent of at least seventy-five percent (75%) of the voting power of the Members. Upon the recording of a certificate of deannexation of real property containing the provisions set forth in Section 12.2, this Declaration shall no longer apply to the deannexed real property.

### 12.2 Certificate of Deannexation.

The certificate of deannexation of real property which is referred to in Section 12.1 shall contain, without limitation, the following provisions:

- (a) a reference to this Declaration, which reference shall state the date of recording hereof and the document number hereof in the records of Washoe County, Nevada;
- (b) a statement that the provisions of this Declaration shall no longer apply to the deannexed real property in the manner set forth in Section 12.1;
- (c) an exact legal description of the deannexed real property, and
- (d) such additional matters as the Declarant may desire to state in the certificate.

## 12.3 Deannexation of Property Subject to Residential Uses:

As provided in Subsections 1.5 and 3.1, certain portions of the Property which are developed and used for residential purposes shall automatically be deannexed from this Declaration upon first commencement of the residential use. In this event, the Owner of said Property or the Association may record a Certificate of Deannexation containing the information specified in Subsection 12.2.

## ARTICLE 13 - RESERVATION OF RIGHTS

### 13.1 Land Use Changes.

Declarant shall have the right and power, from time to time, subject to approval from the County, if required, to request that Washoe County change land use designations, zoning or other entitlements to any portion of the Property owned by Declarant in such manner as Declarant deems appropriate. No Owner or Occupant shall apply for any change in zoning, land use or other entitlements for any portion of the Property unless such zoning, land use or other entitlement change is approved in writing by the Architectural Committee, in its sole discretion.

### 13.2 <u>Declarant Activities</u>.

Declarant may conduct its sales and marketing activities for the Property from any permanent or temporary sales buildings or trailers and may conduct improvement work and activities on portions of the Property owned by Declarant and do all things necessary or convenient as required to expeditiously commence, continue and complete such improvement work, including, without limitation, the provision of temporary buildings (including trailers), temporary storage of construction materials and equipment and the installation of signage of

such types, in such sizes and at such locations on portions of the Property owned by Declarant as Declarant deems appropriate.

#### 13.3 Successor Declarants.

Declarant and any successor to Declarant may be undertaking the work of constructing Improvements to the Property owned or controlled by Declarant, or any portion thereof. The completion of such construction and the sale or other disposal of Lots is essential to the establishment and welfare of the Property. As provided in Subsection 10.2, Declarant's rights may only be transferred by a written assignment duly recorded from the Declarant to a successor to Declarant, or from a successor to Declarant to another successor to Declarant. Such an express assignment may only pertain to all of Declarant's rights hereunder.

### 13.4 Construction or Subdivision by Declarant.

Nothing in this Declaration shall limit the right of Declarant to alter or subdivide any of the Lots, or to construct such Improvements as Declarant deems advisable prior to the sale of such Lots by Declarant. Declarant shall not be required to comply with the provisions of Articles 2, 3 or 4 in its construction activities. In addition, nothing in this Declaration shall limit the right of Declarant to construct such Signs on portions of the Property which are owned by Declarant or within any public right-of-way or Common Area as Declarant deemed advisable to identify the location of the Property or give directions to and identify areas within the Property, provided that such Signs shall be in conformity with applicable zoning ordinances and regulations. Further, nothing in this Declaration shall require Declarant to maintain any portion of the Property or any Improvements thereto prior to the sale or lease of such portion of the Property by Declarant.

This Declaration shall not limit the right of Declarant at any time prior to acquisition of title by a purchaser from Declarant to establish on the Property additional licenses, reservations and rights-of-way to itself, to utility companies, or to others as may from time to time be necessary to the development and disposal of the Lots, in Declarant's sole discretion. Declarant reserves the right to alter its construction plans and designs as it deems appropriate.

### 13.5 Diability.

Declarant or any party exercising the rights of Declarant shall exercise its own judgment to insure compliance with the provisions of the Declaration. Such parties and their employees and agents shall not be liable to any Owner, Occupant or to any other party by reason of a good faith mistake in judgment, negligence or non-enforcement of any of the provisions of this Declaration.

## ARTICLE 14 - WATER RIGHTS AND RECLAIMED WATER USE

#### 14.1 Obligation to Conserve.

Water conservation is and will be of concern to Declarant and all Owners or Occupants of the Property or any portion thereof. The Association or Architectural Committee may, from time to time, promulgate certain rules, regulations, or guidelines pertaining to water use. Owners and Occupants expressly covenant and agree that they will abide by and obey any such rules, regulations or guidelines. Without limiting the generality of the foregoing, no Owner or Occupant (or agent thereof) shall waste or unnecessarily use any water or water rights for or appurtenant to the Property or any portion thereof. All Owners and Occupants (or agents thereof) shall utilize such water or water rights reasonably and beneficially and in accordance with existing permit conditions and regulations. Owners and Occupants (or agents thereof) shall take affirmative measures to conserve water, in accordance with applicable state and local requirements, including, without limitation, the following:

- (a) use of water conservation devices, including, without limitation, inline aerators and flow restrictors;
- (b) use of reclaimed effluent where available and appropriate, and installation of separate, dedicated water lines for nonpotable water (e.g., effluent or untreated surface water) for all irrigation needs on the Lot; and
- (c) review and upgrade of water management practices.

### 14.2 Nonpotable Water/Required Use.

Declarant hereby reserves to itself, together with the right to grant and transfer the same, the right to specify that nonpotable water (e.g., untreated surface water, effluent) shall be utilized for certain purposes, including, without limitation, irrigation of Common Areas, Landscaping and manufacturing uses (e.g., washing, cooling). Each Owner at its sole cost and expense shall be required to connect to the reclaimed water system operated by the City of Sparks and to use reclaimed water for all landscaping uses on the Owner's Lot, subject to the approval of the City of Sparks, Nevada Environmental Protection Agency and the Washoe County Health District as to the allowable areas of irrigation and use of reclaimed water on said Lot.

### ARTICLE 15 - SUBSEQUENT PURCHASERS

After the date of recording hereof, any successor in interest of Declarant to any portion of the Property, and any Owner shall take the Property or any interest therein subject to the provisions of this Declaration, the authority of the Association and the Architectural Committee (including, without limitation, any articles of incorporation, bylaws, or rules and regulations promulgated thereby), together with any changes, amendments or alterations to the same.

### **ARTICLE 16 - MISCELLANEOUS PROVISIONS**

### 16.1 <u>Constructive Notice and Acceptance.</u>

Every person who now or hereafter owns or acquires right, title or interest in and to any portion of the Property is and shall be conclusively deemed to have consented and agreed to every covenant, condition and restriction contained herein, whether or not any reference to this Declaration is contained in the instrument by which such person acquired an interest in said property.

### 16.2 Mutuality, Reciprocity; Runs With Land.

All restrictions, covenants and agreements herein contained are made for the direct, mutual and reciprocal benefit of each and every part and parcel of the Property; shall create mutual, equitable servitudes upon each portion of the Property in favor of every other portion of the Property; and shall create reciprocal rights and obligations between the respective Owners of all portions of the Property and privity of contract and estate between all grantees of said parcels, their heirs, successors, and assigns.

In addition, all restrictions herein contained shall operate as covenants running with the land for the benefit of the Property and each and every portion thereof and shall inure to the benefit of all grantees of the Property and each and every portion thereof, their heirs, successors and assigns, and shall apply to and bind the grantees of the Property and each and every portion thereof, their heirs, successors and assigns.

### 16.3 Section Headings.

Section headings where used herein are inserted for convenience only are not intended to be a part of this Declaration or in any way to define, limit or describe the scope and intent of the particular sections to which they refer.

### 16.4 Effect of Invalidation.

If any provision of this Declaration is held to be invalid by any court of competent jurisdiction, the invalidity of such provision shall not affect the validity of the remaining provisions hereof.

#### 16.5 <u>Effect of Declaration</u>.

This Declaration is made for the purposes set forth in the Recitals to this Declaration and Declarant makes no warranties or representations, express or implied, as to the binding effect or enforceability of all or any portion of this Declaration, or as to the compliance of any of these provisions with public laws, ordinances and regulations applicable thereto.

#### 16.6 Personal Covenant.

To the extent the acceptance of a conveyance of a Lot creates a personal covenant between the Owner of such Lot and Declarant, Association or other Owners, such personal covenant shall terminate and be of no further force or effect from and after the date when a person or entity ceases to be an Owner except to the extent this Declaration may provide otherwise with respect to the payment of money to the Association.

#### 16.7 No Surcharge.

The improvement, annexation, division or redivision of the Property shall not be deemed a surcharge of the easements benefitting such Property or the Common Area and any said easements shall at all times be appurtenant to each and every parcel into which the same may from time to time be divided or redivided.

#### 16.8 Not a Public Dedication.

Nothing contained in this Declaration shall be deemed to be a gift or dedication of any portion of the Property to the County or general public, or for the general public or for any public purpose whatsoever, and this Declaration shall be strictly construed to and for the purposes expressly stated herein.

#### 16.9 Notices.

Any notice permitted or required to be delivered as provided herein shall be in writing and shall be delivered either personally or by registered or certified mail, postage prepaid, return receipt requested. Each Notice shall be deemed delivered upon the earlier of (i) if personally delivered, the date of delivery to the address of the party to receive such notice, or (ii) if mailed, three (3) business days after the date of posting by the United State post office.

(a) If to Declarant, the Association or the Architectural Committee:

550 West Plumb Lane Suite B, #550 Reno, Nevada 89509

(b) Notice to any Owner shall be addressed to the most recent address furnished by such Owner in writing to the Association for the purpose of giving notice, or if no such address have been furnished, then to the street address of such Owner's Lot. In the case of co-Owners or on behalf of all such co-Owners, delivery to any co-Owner shall be deemed delivery to all such co-Owners.

Notice of change of address shall be given by written notice in the manner detailed in this Section. Rejection, refusal to accept or the inability to deliver a notice because of changed

address of which no notice was given to Association shall be deemed to constitute receipt of the notice, demand request or communication.

The affidavit of an officer or authorized agent of the Declarant, the Association or the Architectural Committee declaring under penalty of perjury that a notice has been mailed to any Owner or Owners to the address or addresses shown on the records of the Declarant, the Association or the Architectural Committee, shall be deemed conclusive proof of such mailing, whether or not such notices are actually received.

#### 16.10 Use of Gender and Number.

As used in this Declaration, the masculine, feminine or neuter gender, and the singular or plural number, shall each be considered to include the others whenever the context so indicates.

#### 16.11 Binding Effect; Benefits.

This Declaration shall be binding upon and shall inure to the benefit of the parties hereto and their respective heirs, successors, executors, administrators and assigns. Notwithstanding anything in this Declaration to the contrary, nothing in this Declaration, expressed or implied, is intended to confer on any person other than the parties specified herein or their respective heirs, successors, executors, administrators and assigns any rights, remedies, obligations or liabilities under or by reason of this Declaration.

#### 16.12 Governing Law/Venue.

This Declaration and all issues relating to its validity, interpretation, performance and enforcement (including, without limitation, provisions concerning limitations of action) shall be governed by and construed in accordance with the laws of the State of Nevada, and venue for all actions arising from rights and obligations of this Declaration shall be solely in Washoe County, Nevada.

### 16.13 Incorporation of Exhibits.

All exhibits attached hereto are by this reference incorporated herein and made a part hereof for all purposes as if fully set forth herein.

#### 16.14 Cumulative Remedies.

All rights, options and remedies of the Association, the Architectural Committee, the Owners and the Declarant under this Declaration are cumulative, and none of them shall be exclusive of any other. The Association, the Architectural Committee, the Owners and the Declarant shall have the right to pursue any one or all of such rights, options and remedies or any other remedy or relief which may be provided by law or equity, whether or not stated in this Declaration.

#### 16.15 Attorneys Fees and Costs.

In any action to enforce or administer the provisions hereof, the prevailing party shall be entitled to reasonable attorneys fees and costs.

#### 16.16 Time.

Time is of the essence regarding interpretation and enforcement of all provisions of this Declaration.

IN WITNESS WHEREOF, the undersigned has executed this Declaration on the date first hereinabove written.

#### **ASSOCIATION:**

SPANISH SPRINGS NEIGHBORHOOD ASSOCIATION, a Nevada nonprofit association, hereby approves all provisions hereof. DECLARANT:

SPANISH SPRINGS ASSOCIATES
LIMITED PARTNERSHIP, a Nevada
limited partnership

By: Hawco Development Company, a Nevada corporation, as General Partner

By: JESSE HAW, President

By:

JESSE HAW, President

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STATE OF NEVADA	)	
COUNTY OF WASHOE	)ss: )	
This instrument was ackr JESSE HAW as President Nevada nonprofit association	of SPANISH SPRINGS NEIGHBORHOOD ASSOCIATION,	by a
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STATE OF NEVADA		
COUNTY OF WASHOE	)ss:	
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#### EXHIBIT "A"

#### DESCRIPTION NC ZONED AREA

A parcel of land situate within the E1/2 of Section 34, T21N, R20E, MDM, Washoe County, Nevada, being a portion of Parcel 3A as shown on that Record of Survey Supporting a Boundary Line Adjustment for Spanish Associates and Hometown Health Plan, Inc. and Hometown Health Providers Insurance Company, recorded on May 8, 2007 as Record of Survey Map 4904, Document No. 3529434, Official Records of Washoe County, Nevada, more particularly described as follows:

Beginning at a point on the boundary of said Parcel 3A, said point also being the most southerly corner of Parcel 2A as shown on that Record of Survey Supporting a Boundary Line Adjustment for Spanish Associates and Seven K Properties, recorded on March 31, 2005 as Record of Survey Map 4543, Document No. 3191105, Official Records of Washoe County, Nevada; thence along the westerly boundary line of said Parcel 3 the following nine (9) courses and distances:

N 41°48'08" E, 259.83 feet;

N 46°26'20" W, 157.63 feet;

N 44°00'21" W, 30.00 feet;

N 45°59'39" E, 210.27 feet;

N 38°44'54" W, 143.43 feet;

N 56°05'09" E, 105.39 feet;

N 33°54'51" W, 1370.00 feet;

N 56°05'09" E, 175.00 feet;

N 33°54'51" W, 117.29 feet;

thence N 56°00'35" E, 626.38 feet;

thence N 03°40'34" E, 84.47 feet;

thence S 86°19'26" E, 65.00 feet;

thence S 84°37'09" E, 595.57 feet to a point on the easterly boundary line of said Parcel 3A; thence along the easterly boundary line of said Parcel 3A the following sixteen (16) courses and distances:

S 01°24'54" E, 528.65 feet,

on the arc of a 295.00 foot radius curve to the left through a central angle of 20°51'00" a distance of 107.35 feet;

\$ 22°15'54" E, 676.02 feet;

on the arc of a 205.00 foot radius curve to the right through a central angle of 17°46'54" a distance of 63.62 feet;

S 04°29'00" E, 332.69 feet;

S 85°31'00" W, 391.67 feet;/

\$ 07°42'28" E, 82.67 feet;

on the arc of a 863.50 foot radius curve to the right through a central angle of 41°49'52" a distance of 630.43 feet;

\$ 34°07'25" W, 24.03 feet;

on the arc of a 193.00 foot radius curve to the left through a central angle of 03°08'24" a distance of 10.58 feet;

S 30°59'01" W, 116.22 feet;

S 25°08'34" W, 59.79 feet;

on the arc of a 135.50 foot radius curve to the left through a central angle of 19°21'01" a distance of 45.76 feet to a point of compound curvature;

on the arc of a 25.50 foot radius curve to the left through a central angle of 21°47'36" a distance of 9.70 feet:

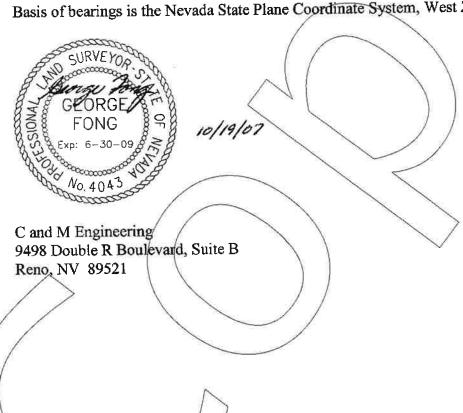
S 16°00'03" E, 25.59 feet;

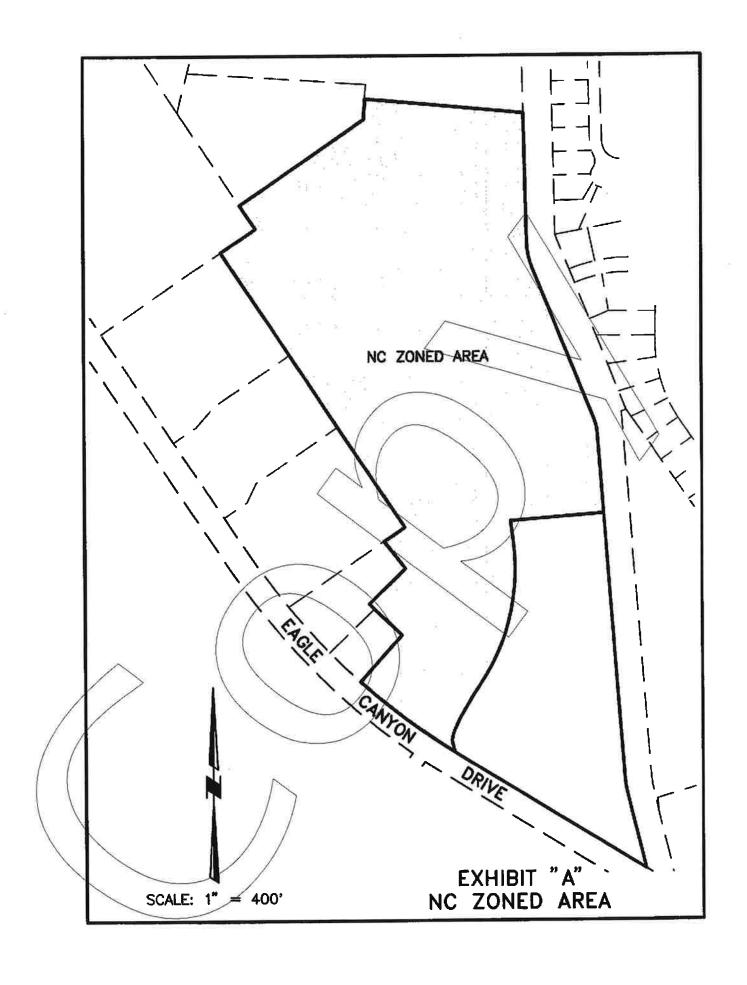
on the arc of a 110.50 foot radius curve to the left through a central angle of 09°10'52" a distance of 17.71 feet to a point on the westerly boundary line of said Parcel 3A and a point on the northeasterly line of Eagle Canyon Drive;

thence along said westerly boundary line of Parcel 3A and northeasterly line of Eagle Canyon Drive on the arc of a 2824.79 foot radius curve to the right from a tangent bearing N 58°11'39" W through a central angle of 09°59'47" a distance of 492.84 feet to the point of beginning.

Containing 50.84 acres, more or less.

Basis of bearings is the Nevada State Plane Coordinate System, West Zone Grid, NAD83/94.





#### EXHIBIT "B"

# DESCRIPTION ANNEXATION PROPERTY

Parcels of land situate within the E1/2 of Section 34 and the SW1/4 of Section 35, T21N, R20E, MDM, Washoe County, Nevada, being portions of that Record of Survey Supporting a Boundary Line Adjustment for Spanish Associates Limited Partnership, and Hometown Health Plan, Inc. and Hometown Health Providers Insurance Company, recorded on May 8, 2007 as Record of Survey Map 4904, Document No. 3529434, Official Records of Washoe County, Nevada; more particularly described as follows:

#### TMCC AREA:

A portion of Parcel 3A of said Survey Map 4904 as follows:

Commencing at a point on the boundary of said Parcel 3A, said point also being the most southerly corner of Parcel 2A as shown on that Record of Survey Supporting a Boundary Line Adjustment for Spanish Associates and Seven K Properties, recorded on March 31, 2005 as Record of Survey Map 4543, Document No. 3191105, Official Records of Washoe County,

thence along the westerly boundary line of said Parcel 3A the following nine (9) courses and distances:

N 41°48'08" E, 259.83 feet;

N 46°26'20" W, 157.63 feet;

N 44°00'21" W, 30.00 feet;

N 45°59'39" E, 210.27 feet;

N 38°44'54" W, 143.43 feet;

N 56°05'09" E, 105.39 feet; N 33°54'51" W, 1370.00 feet;

N 56°05'09" E, 175.00 feet;

N 33°54'51" W. 117.29 feet to the Point of Beginning;

thence continuing along the said westerly boundary line of Parcel 3A, N 33°54'51" W, 458.07 feet:

thence N 14°06'59" E, 168.00 feet;

thence \$ 86°19'26" E, 744.81 feet;

thence \$ 03°40'34" W, 145.42 feet;

thence S 56°00'35" W, 626.38 feet to the point of beginning.

Containing 6.00 acres, more or less.

#### **RENOWN AREA:**

All of Parcel 4A of said Survey Map 4904. Containing 15.02 acres, more or less.

Basis of bearings is the Nevada State Plane Coordinate System, West Zone Grid, NAD83/94.

C and M Engineering

9498 Double R Boulevard, Suite B

Reno, NV 89521



