From: Ty Seufer (303) 419-6782 45045 Us Highway 50 Canon City, CO 81212

Fremont County

OCT @ 1 2025

Planning & Zoning

October, 2025

To: Dan Victoria, Carrie McCool Planning & Zoning Department Fremont County 615 Macon Ave Canon City, CO, 81212

Re: Sketch Plan Application - Royal Gorge Ranch & Resort PUD Royal Gorge Ranch & Resort

Dear Dan, Carrie, and the Fremont County Planning & Zoning Department,

This cover letter introduces the new vision for Royal Gorge Ranch & Resort, a premier, ecofriendly community designed to set a new standard for conservation-oriented development in Fremont County. We have listened carefully to your feedback and are proud to submit a new plan that not only meets but significantly exceeds county residential PUD open space requirements through an innovative and enforceable model.

Please see enclosed a brand-new and complete **Sketch Plan Application for the Royal Gorge Ranch & Resort PUD.**

Our commitment to the county: We pledge to permanently and legally preserve over 80% of the 772-acre property as open space.

This is achieved through a two-tiered, legally binding framework:

- **1. HOA-Enforced Lot Restrictions:** Each of the 152 lots of minimum three acres will have a deeded covenant limiting the developable "building envelope" to maximum one acre. The remaining two-plus acres per lot will be legally protected as natural, private open space.
- **2. Dedicated Community Open Space:** All land not allocated to residential lots, including trails, parks, natural areas, and amenities, will be held and maintained by the HOA as open space for the benefit of the entire community.

This results in a total of 620 acres (80.3%) of the property being preserved in its natural state, a figure that surpasses the county's 75% open space standard for Planned Unit Developments.

Key Project Highlights:

- **Economic Revitalization:** Our region desperately lacks both vacation homeowners and the economic boost generated by the type of responsible homeowners that the Royal Gorge Ranch & Resort project will attract. Unlike neighboring Chaffee County, where vacation homes drive tourism and generate millions in revenue, Fremont County is effectively "dying on the vine" and has missed out on economic revitalization driven by increased recreation.
- Sustainable, Low-Impact Living: We envision Colorado's first net-zero energy community, with eco-conscious homes powered by renewable energy meaning no strain will be put on local infrastructure.
- Private, Gated Community: The Royal Gorge Ranch & Resort PUD includes HOAowned and maintained roads, infrastructure, and world-class amenities including an incline, via ferrata, and trail system.
- Environmental Stewardship: Our design prioritizes the preservation of wildlife corridors, native vegetation, and the iconic views that define this remarkable landscape we wouldn't change them for the world.

The attached Development Report and application materials detail how this proposal directly addresses the comments raised in the County's previous review letters, specifically regarding overall buildability, functional open space, and long-term conservation.

We are confident that this revised plan represents a win-win-win scenario for our community, for future residents, and for the natural environment of Fremont County.

We request placement on the earliest possible Planning Commission agenda to present this compelling vision. We are available to meet at your convenience to discuss the details further.

Sincerely,

Ty Seufer

Royal Gorge Ranch & Resort



Fremont County Department of Planning and Zoning Roadway Impact Analysis Form

This form shall be used in conjunction with any applications submitted in accordance with Section 8 of the Fremont County Zoning Resolution and or Section VI of the Fremont County Subdivision Regulations. This form is considered a minimum application submittal item and shall be required to be provided at the time of application submittal. This form is intended to provide the minimum items that must be addressed in the roadway impact analysis. The form can be expanded or attachments can be made to further address the roadway impact of the proposed use. If the estimated average daily traffic increase is less than thirty (30) vehicle trips per day (one trip to be considered as a single or one-direction vehicle movement with either the origin or the destination [exiting or entering] inside the subject property) as per the Institute of Transportation Engineers, Trip Generation Handbook, Second Edition or subsequent editions for the entire development, as estimated by the project engineer, then a Roadway Impact Analysis will not be required to be completed by an engineer. In such situations other minimum items shall be addressed by the applicant.

1.	Project Name: <u>Royal Gorge Ranch &</u>	Resort			_	
2.	Type of Application:					
	☐ Zone Change #1			☐ Special Review	w lise F	Permit
	☐ Zone Change #2 — Use Designation F	lan		☐ Conditional U		
	☐ Zone Change #2 — Final Developmen			☐ Temporary Us		
	☐ Commercial Development Plan			□ Change of Use □ Change of Use		
	☐ Commercial Development Modificat	ion		•		• •
	☐ Expansion of existing Business/Indus			☐ Subdivision Pi	eiimin	ary Pian
3.	Engineer: <u>Jeffrey C. Hodsdon, P.E.</u>		Add	ress: <u>2504 E Pike</u>	s Peak	Ave, Suite 304
	City: Colorado Springs			e: Colorado		Zip Code: 80909
	Telephone #: <u>(719) 633-2868</u>		Ema	il: jeff@lsctrans.d	com	·
	Provide a detailed description of the property of the property of the provided at the gated, eco-adventure community, was acres of open space will provide hiking, and other amenities are planned for research.	ional hom hich will b mountain	esites (for oe designe	d as a recreationa	l retrea	nt. Two hundred and one
	_					
5.	Provide the estimated average daily tra-	affic to be	generate	d by the propose	d use(s), using the Institute of
	Transportation Engineers, Trip Generati					
	volumes of traffic to be generated by th					
	traffic volume and the peak-hour (morni					
	category. (One trip to be considered as				ement	with either the origin or
	the destination [exiting or entering] insid	le the sub	ject propei	rty)		
	⊠ Residential:	<u>490</u> d	laily, <u>31</u>	AM peak hou	r, <u>41</u>	_ PM peak hour
	☐ Employer:	d	laily,	AM peak hou	r,	PM peak hour
	☐ Customer:			AM peak hou		
	☐ Trucks generated by proposed use:			AM peak hou		
	☐ Delivery required by use:			AM peak hou		PM peak hour

	☐ Total vehicle trips: 490 daily, 31 AM peak hour, 41 PM peak hour	
l ce	ertify that based on the proposed use(s) the total vehicle trips using the Institute of Transportation Engine	ers,
Trip	ip Generation Handbook, Second Edition or subsequent editions will average less than thirty (30) trips per	day
bas	sed on any fourteen (14) day time frame.	
	Date Seal	
Col	olorado Licensed Professional Engineer	
100	College of the control of the contro	
-	f the above has been certified, then the applicant can complete the form and acknowledge it. If complet	ea
D	by the applicant only the questions marked by asterisk (*) are required to be answered.	
N:	NOTE: If the additional information provided warrants improvements to the roadway system, even thou	ah
	the traffic generated by the proposed use is less than thirty (30) trips per day, such improvements will	
	equired. If in the future the use exceeds an average of thirty (30) trips per day a complete analysis could	
	equired.	
6.	*What is the general location of the subject property?	
	Generally west of County Road 3A approximately one mile south of US Highway 50A	
7.	*What are the names and/or the numbers of the public roadways that serve the site?	
	County Road 3A will directly serve the site. Other roads include County Road 61 (emergency access of	only)
	and US Highway 50A (about a mile to the north).	
	But the second of the second o	.
	Provide a site plan drawing that shows the subject property, its proposed access points, and all pu	JDIIC
	roadways within a one-half (1/2) mile radius of the subject property, marked as Exhibit 7.1.	
	☑ Exhibit 7.1 has been attached (two-pages – Part 1 is the vicinity map and Part 2 is the site plan)	
8.	*What is the classification, according to the Fremont County Master Plan, of the roadway from which	ı the
Ο.	project site will gain access to the public transportation system?	
	CR 3A ☐ Expressway or Freeway ☐ Major Arterial ☒ Arterial ☐ Collector ☐ Local	
	CN 3/1 — C Expressival of Free way — C major Filterial — 2 meetial — 2 concess. — 2 concess.	
9.	*Do the roadways in question lie within a three (3) mile radius of any incorporated town or city limit	ts or
	the boundary of another County?	
	☐ Yes ⊠ No	
	If yes, provide the name(s) of the jurisdiction(s):	
	N/A	
	In addition, if a new roadway is to be constructed, how will it comply with the transportation plan in ef	ffect
	for the municipality?	
	<u>N/A</u>	
10.). *Will this project require a Fremont County Driveway Access Permit or a Colorado Departmen	ιτ στ
	Transportation (CDOT) State Highway Access Permit?	
	⊠ Yes □ No	
	Please explain: The site will access Fremont County Road 3A, with County Road 61 providing emergency access only.	The
	project will access the County Road(s), and not the state highway (SH 50A) directly (located about a mi	
	the north). However, the projected site-generated trips would increase existing volume on CR 3A south	
	SH 500 by more than 20 percent. Therefore, an access permit will be required per the Access Code	

11.	*Will the project require construction of, or improvement to, any CDOT-maintained roadway?
	☐ Yes ⊠ No
	If yes, will the proposed construction or improvement comply with CDOT's "5-Year Transportation Plan"?
	☐ Yes ☐ No
	Please explain: N/A
	Has CDOT required that the applicant provide a traffic study? ☐ Yes ☒ No
	If yes, a copy of the study shall be attached to this application, marked as Exhibit 11.1. However, given the
	percent increase in traffic from Item No. 10, an access permit is required per the Access Code. Therefore,
	CDOT will need a TIS. LSC suggests submittal of this form as the TIS submittal. CDOT recently completed a
	lane restriping project at the intersection of SH 50A and CR 3A. This project removed the extraneous third
	and fourth through lanes through this area and appears to have maximized auxiliary lane lengths.
12.	*Will the project require construction of, or improvement to any roadway currently maintained or
	proposed to be maintained by the County? \square Yes $oxtimes$ No
	If yes, what would be the social, economic, land use, safety and environmental impacts and effects of the new roadway on the existing transportation system and neighborhood?
	N/A
13.	*Are any roadways proposed to be vacated or closed in conjunction with the proposed project?
	☐ Yes ☒ No
	If yes, please explain:
	N/A
14.	*Is the proposed project site adjacent to or viewable from any portion of the Gold Belt Tour Scenic Byway
	or other scenic corridor designated by the Master Plan?
	□ Yes ⊠ No
	If yes, identify the byway and or scenic corridor:
	N/A
	If yes, explain how the scenic quality will be affected by the proposed project:
	N/A
	If yes, what measures will be taken to not have a negative impact on the byway and or scenic corridor?
	N/A
15.	*Will the proposed project gain access to the public transportation system via 3rd, 9th, K, and/or R Streets
	in the Penrose-Beaver Park Area of the County?
	□ Yes ⊠ No
16.	*Does the subject property have frontage on a public roadway?
	⊠ Yes □ No
	If answered no, then documentation evidencing a "right of access" to the subject property for the proposed
	use shall be attached marked as Exhibit 16.1.
	N/A
	If answered no, then please explain what the right of access consists of:
	N/A
17	*What is the right-of-way width of the public roadway(s) that serve the site?
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18.	*What is the surface type of the public roadway(s) that serve the site?
	County Road 3A is paved, while County Road 61 has a gravel surface. Note: Site-access connections to CR 61
	are for emergency use only.
19.	*What is the surface width of the public roadway(s) that serve the site?
	CR 3A is 23-24 feet wide between US 50 and the furthest south site-access point on CR 3A. CR 61
	(Emergency Use Only Access to the site) has a total width of 18-20 feet.
20.	*What are the existing drainage facilities for the public roadway(s) that serve the site?
	Roadside ditch sections
21.	*Does the public roadway(s) that serves the site have curb and gutter?
	☐ Yes ☒ No
	If answered yes, what is the type of curb and gutter?
	N/A
22	*Doos the public readway(s) that serves the site have ediagont sidewalks on other nedectains was 2
44.	*Does the public roadway(s) that serves the site have adjacent sidewalks or other pedestrian ways? ☐ Yes ☒ No
	If answered yes, what is the width(s) and surface type(s)?
	N/A
23.	*How many access points will the subject property have to public roadways?
	Five access points on County Road 3A and two emergency-only access points on County Road 61
24.	*Will the proposed roadways that access the public roadways intersect the public roadways other than at
	perpendicular?
	If yes, please explain:
	Access 2 has a minor skew but the majority of turning movements will have an oblique angle. There is a
	flare to accommodate eastbound right-turning traffic. Access 3 has a wide opening, which could be defined
	as a 90-degree angle. The historic access point (to the former Buckskin Joe's) is at a significant skew angle.
	Just north of Access 4 is the historic access with a wide opening and a significant skew angle. This is not
	shown as an access on the site plan. Access 4 has a minor skew angle and a wide flare for the southbound
	right turn into the site. Access 5 is at a significant skew angle with the oblique angle for turns to/from the south on CR 3A and a wide flare for the southbound right turn into the site. The site plan shows use of the
	existing access points previously used to access Buckskin Joe's business. However, at Access 3, the former
	driveway with the straight north/south alignment is not part of the development roadway network defined
	by bold lines on the site plan.
25	
25.	What are the sight distances, in all directions, from the subject property access point(s) along the public
	roadway that serves the site?
	□ Northerly, sight distance See Exhibit 27.1 □ Southerly, sight distance □ □ □ Southerly, sight distance □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □
	☐ Easterly, sight distance ☐ Westerly, sight distance

CR 3A has a ROW width of 60 feet.

20.	intersection with another public roadway along the	
	☐ Easterly, sight distance	☐ Southerly, sight distance
		☐ Westerly, sight distance
27.	driveway(s) along the public roadway that serves	
	☐ Northerly, sight distance <u>See Exhibit 27.1</u>	☐ Southerly, sight distance
	☐ Easterly, sight distance	☐ Westerly, sight distance
28.	*What are the distances from the subject proper curve(s) along the public roadway that serves the	rty access point(s), in all directions, to the nearest blind site?
	☐ Northerly, sight distance See Exhibit 27.1	
	☐ Easterly, sight distance	
		· · · · · · · · · · · · · · · · · · ·
29.	hill(s) along the public roadway that serves the sit	
	□ Northerly, sight distance <u>See Exhibit 27.1</u>	
	☐ Easterly, sight distance	Westerly, sight distance
	subject property in the general area of the subject A small section of pavement on the west side adjusted of the site visit. This may have been repaired	acent to Access #1 on CR 3A was in need of repair at the
	If the public roadway(s) that currently serve the recommendations shall be made for improveme public roadway(s):	subject property have any hazardous conditions, then nts that will decrease the hazardous conditions on the
	1) Repair of the damaged pavement along the	west side of the roadway within a limited section along
	CR 3A (southbound) adjacent to Access #1 is r	ecommended if this has not already been repaired.
		Access 3 and Access 4: if this fence is within the roadway
	clear zone, and not a "breakaway" design per	the AASHTO design guide, the fence should be relocated
	out of the clear zone or removed.	
31.	*Explain what effect the proposed use will have or expected, please explain why no change is expect	the existing traffic in the neighborhood. If no change is
	•	evelopment of the resort and the new area residents.
		evenopment of the resolt and the new area residents.
32. '	*Will the proposed use, due to the increase in traffi	c or the type of vehicle traffic generated by the proposed
	use, change the level and or type of required mair	ntenance for the public roadway(s) that serve the site?
	☐ Yes ☒ No	
	Please explain:	
	The trip generation of this development will be significant.	gnificantly lower than the historic commercial uses, with
	fewer heavy truck and bus trips generated. The	e vehicle trips to be generated will be predominantly
	passenger vehicles (cars, SUVs, pickup trucks, and	motorcycles), which have significantly lower impact on
	roadway pavement.	

	If the proposed use, due to the increase in traffic or the type of vehicle traffic generated by the proposed use, changes the level and or type of required maintenance for the public roadway(s) that serve the site, then recommendations shall be made that would lessen the maintenance impact for the entity in control of maintenance of the public roadway(s): N/A
	Note: If improvements are required, it may be mandatory that such improvement be installed prior to final approval of the application.
33.	*Are new roadways proposed to be constructed, on or off site, in association with the proposed project? Yes No If yes, provide evidence that the roadways will be constructed to conform to natural contours in order to minimize soil disturbance, cut and fills, protect drainageways and not create unstable slopes.
	N/A
34.	Provide an analysis of the existing traffic volumes on the adjacent roadway system, including the average weekday traffic (vehicles per day) and the weekday peak-hour traffic (vehicles per hour –am and pm), showing the dates and times of traffic counts or source utilized for traffic volume counts. Determine the existing level of service or percentage of roadway capacity currently in use.
	Roadway name <u>US Highway 50</u> Average weekday traffic <u>See attached Exhibit 34.1</u>
	Weekday peak-hour traffic AM, dates, times
	Weekday peak-hour traffic PM, dates, times
	Current level of service - % of roadway in use All turns LOS C or better (see attached Exhibits for LOS)
	Ponduray name County Read 24
	Roadway name County Road 3A Average weekday traffic See attached Exhibit 34.1
	Weekday peak-hour traffic AM, dates, times
	Weekday peak-hour traffic PM, dates, times
	Current level of service - % of roadway in use All turns LOS A (see attached Exhibits for LOS)
	Roadway name Average weekday traffic
	Weekday peak-hour traffic AM, dates, times
	Weekday peak-hour traffic PM, dates, times
	Current level of service - % of roadway in use
35.	Provide an estimate of the probable traffic directional distribution from and to the subject property based on the proposed use(s) and assignment of the estimated traffic volumes to the adjacent roadway network. Estimate the future background and resulting total traffic volumes (including the estimated generated traffic due to the proposed use) on the adjacent roadway system for a twenty (20) year design period, showing volumes for both left and right turn movements as well as through traffic. Exhibit 35.1 (attached) shows the directional-distribution estimate of 90% to/from the east of CR 3A on US 50, 9% to/from the west of CR 3A on US 50, and 1% to/from the south towards Royal Gorge Park. Exhibit 35.2 (attached) presents the projected site-generated traffic volumes. Exhibit 35.3 (attached) shows the resulting total traffic volumes. Long-term 2044 background traffic volumes are attached in Exhibit 35.4, while long-term total 2044 volumes (2044 background + site) are shown in Exhibit 35.5).

- 36. Determine the projected future levels of service or percentage of roadway capacity to be in use at the subject property's access points and key adjacent intersections. Provide recommendations for street and access improvements if any portions of the roadways do not have the capacity to accept the additional estimated traffic volumes. All necessary improvements will be required to be designed, completed and accepted by the County prior to any final action regarding the application.
 - All individual turning movements and approaches are projected to operate at LOS C or better through the 20-year horizon at all access intersections with CR 3A and US 50. Based on projected site-generated traffic volumes and CDOT NR-B turn-lane design criteria, auxiliary left- and right-turn deceleration lanes are not required at any access point. See attached Exhibits for LOS summary.
- 37. Please provide any additional information considered by the Certifying Engineer to be pertinent to the roadway impact in association with the proposed project:

The access-point intersections should be stop-sign-controlled. If stop signs are not already installed, they should be added. Some may require relocation and resetting of the signposts. LSC recommends the open-access frontage previously used for the former tourist business north of Access 3 be physically closed off and the roadway striping should be modified to close any gaps in the centerline or edge stripes. LSC recommends modification of Access 3 to limit the access opening to about 30 to 40 feet wide (exclusive of radii), at a location that maintains good sight distance in both directions, and with an alignment perpendicular to CR 3A for at least 50 feet back from the end of the radii. Other than this recommended, defined access opening, the remaining paved access frontage previously used for the former tourist businesses should be physically closed off and the roadway striping should be modified to close any gaps in the centerline or edge stripes. Closure of the previously used, wide access openings will allow significant land area to be utilized for other purposes. Potentially, a right-in-only access could be considered and some of the existing pavement could be repurposed as a southbound right-turn lane, even though not required for the turning volume. Please refer to Exhibits 37.1 and 37.2. The east access - no 5 should be modified as shown in Exhibits 37.1.

I hereby certify that the foregoing information was prepared by myself or under my direct supervision and is true and correct to the best of my knowledge and belief.

Je Henry C. Ho d Saar Date 4/30/25 Seal

If not completed by an Engineer, then the following acknowledgement shall be signed by the applicant and/or owner.

By signing this Application, the Applicant, or the agent/representative acting with due authorization on behalf of the Applicant, hereby certifies that all information contained in the application and any attachments to the Application, is true and correct to the best of Applicant's knowledge and belief.

Fremont County hereby advises Applicant that if any material information contained herein is determined to be misleading, inaccurate or false, the Board of Commissioners may take any and all reasonable and appropriate steps to declare actions of the Board regarding the Application to be null and void.

Signing this Application is a declaration by the Applicant to conform to all plans, drawings, and commitments submitted with or contained within this Application, provided that the same is in conformance with the Fremont County Zoning Resolution.

Applicant Printed Name

Signature

Date

Owner Printed Name

Signature

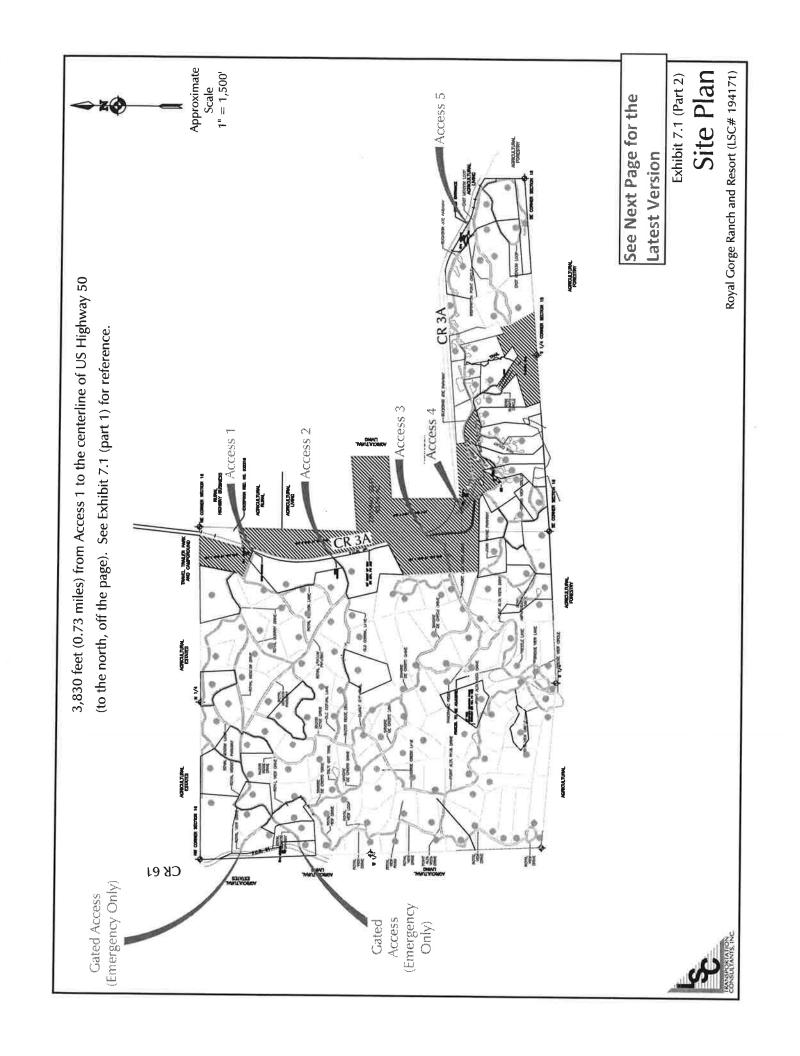
Date

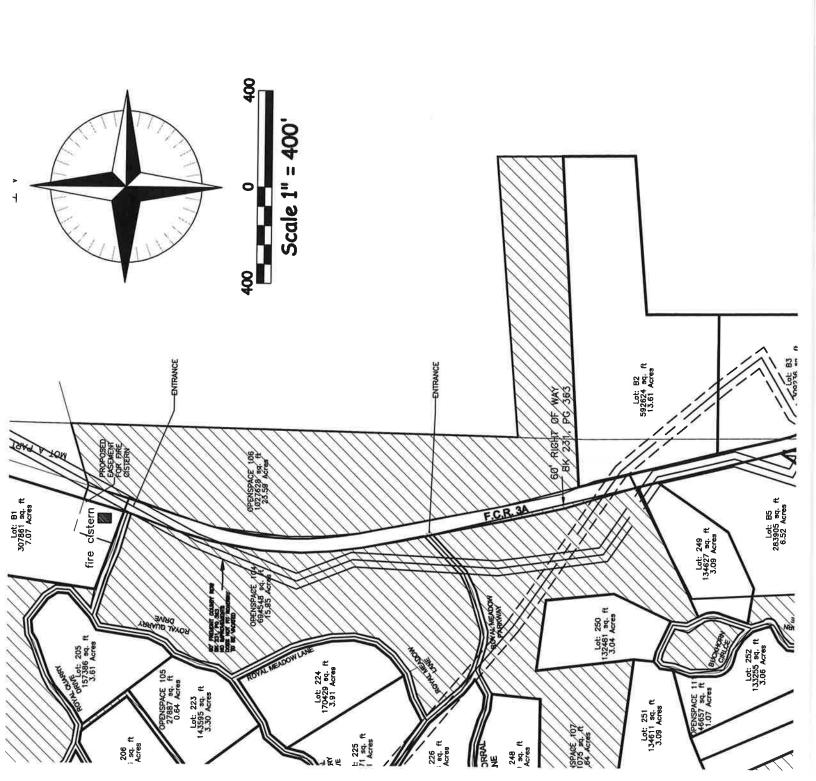
Applicant understands that any required private or public improvements imposed as a contingency for

Exhibits



			"	Exhibit 5.1	턴							1	
			rip Ge	Trip Generation Estimate	Estim	ate							
			Royal G	Royal Gorge Ranch and Resort	ind Resoi	±							
Y F	ITE Land Use			Trip (Trip Generation Rates 2	ion R	ates 2		Ė	ips Ge	Trips Generated	Pe	
		Value	Units 1	Units Average A.M. Peak P.M. Peak Average A.M. Peak P.M. Peak	A.M.P	eak	P.M. Pe	ak ,	Average	A.R.	Peak	P.M.	Peak
Code	Description			Weekday in Out In Out Weekday in Out in Out	1	Jut	ے	Z	Veekdav	5	Į.	2	t
260	Recreational Homes	138	na	3.47	0.13 0.09 0.11 0.17) 60'	0.11 0	.17	479	18	14	16	23
1 DU = dw	DU = dwelling units												
² Source: 1	² Source: Trip Generation, 11th Edition (2021) by the Institute of Transportation Engineers (ITE)	2021) by	the Insti	tute of Tran	sportat	ion En	gineer	s (ITE					
Trip gener	Trip generation rates are in terms of trips per day per dwelling unit, or trips per hour per dwelling unit (for the peak hours)	s per da	/ per dwe	elling unit, c	or trips	er ho	ur per	dwell	ing unit (fo	or the	peak l	ours)	
I rips gene	terms	day, or t	rips per	of trips per day, or trips per hour (for the peak hours)	e peak i	onrs)							
Updated:	Updated: 03/11/2024												





PROPOSED LOTS:

INCLUDING ROADWAY E/ 138 RESIDENTAIL LOTS =

5 BUSINESS LOTS = 47.37 3 OUTLOT = 13.58 ACRES OPEN SPACE = 201.06 AC NOT INCLUDING ROADW

NOTES:

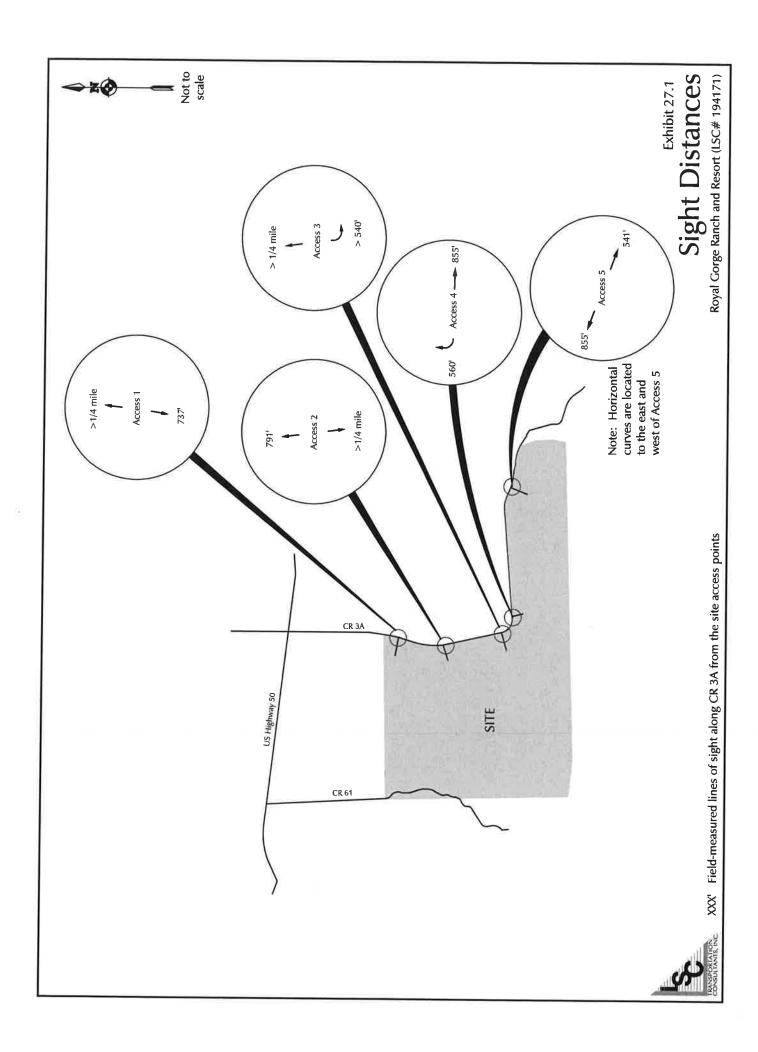
MIN. FRONT SETBACKS SIDE: 10' MIN.

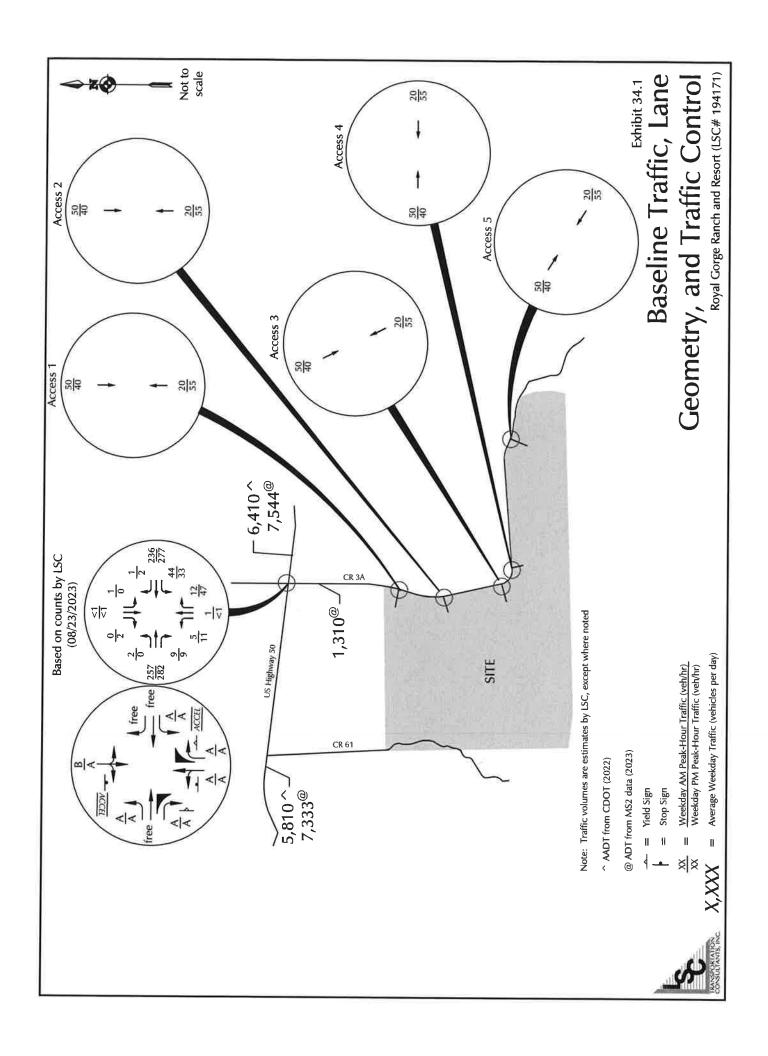
Z S REAR: 10' MIN. Lot size 3 acre ALL ROADS ARE PRIVA AND UTILITY EASEMENT

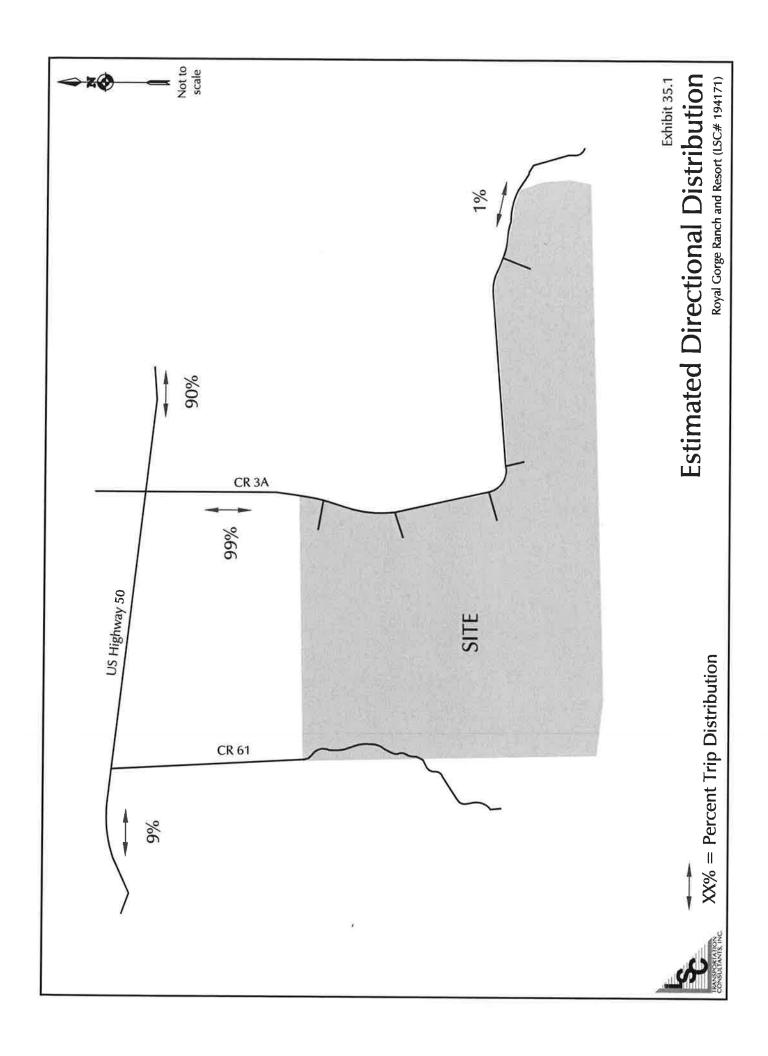
PHASING: 1 PHASE

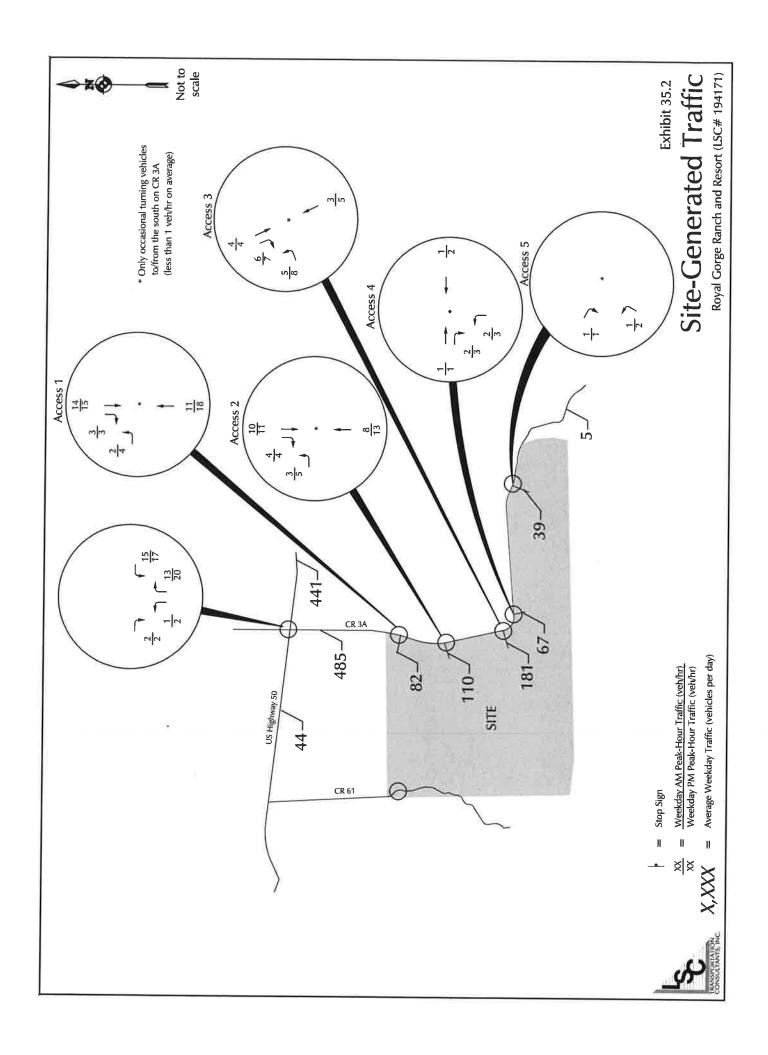
PHASE 1, 134 HOME

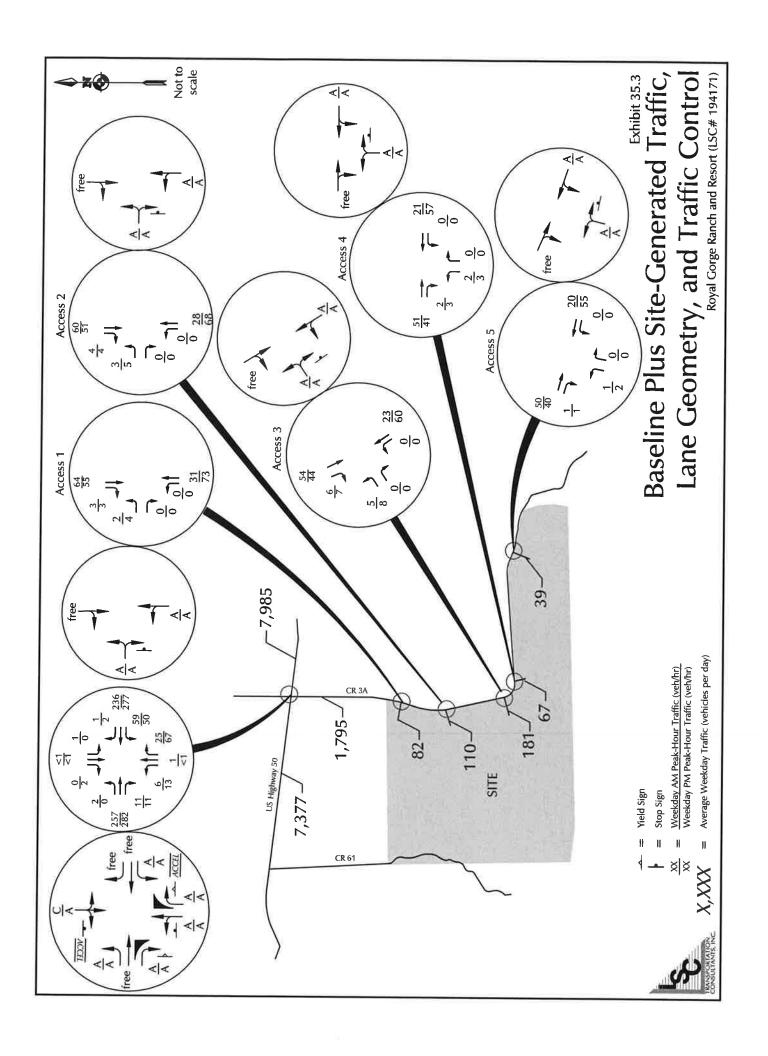
NO HOMES WILL BE P SLOPES GREATER THEI HOUSES WILL HAV

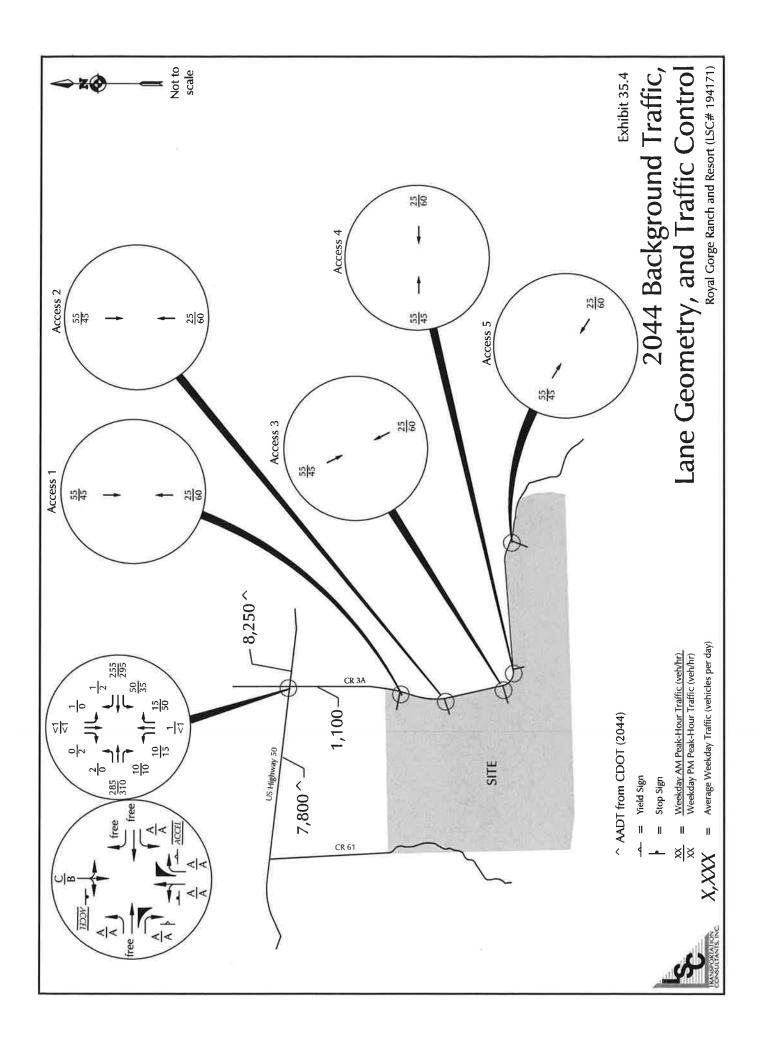


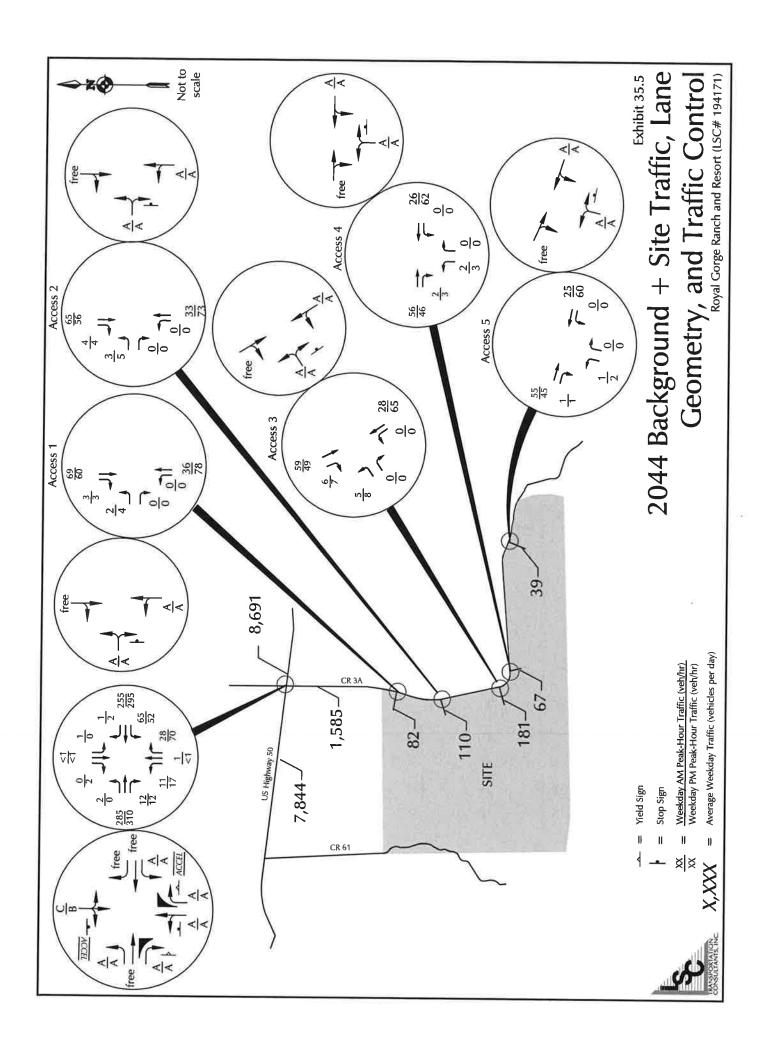












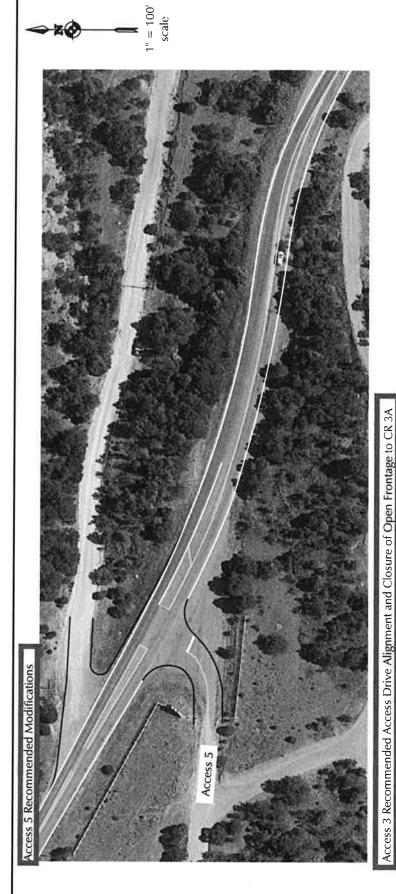
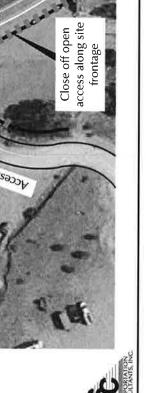


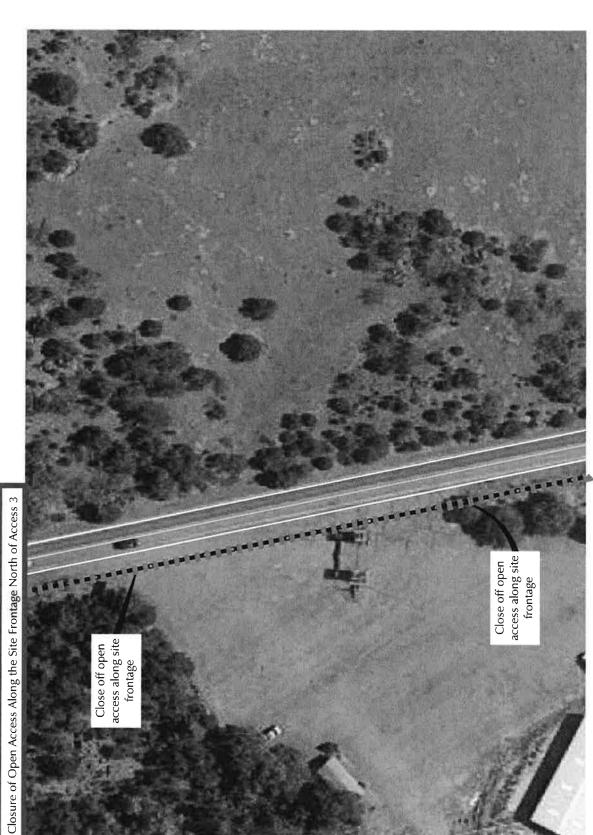
Exhibit 37.1

Recommended Access Modifications (Part 1)

Royal Gorge Ranch and Resort (LSC# 194171)



Close off open access along site frontage



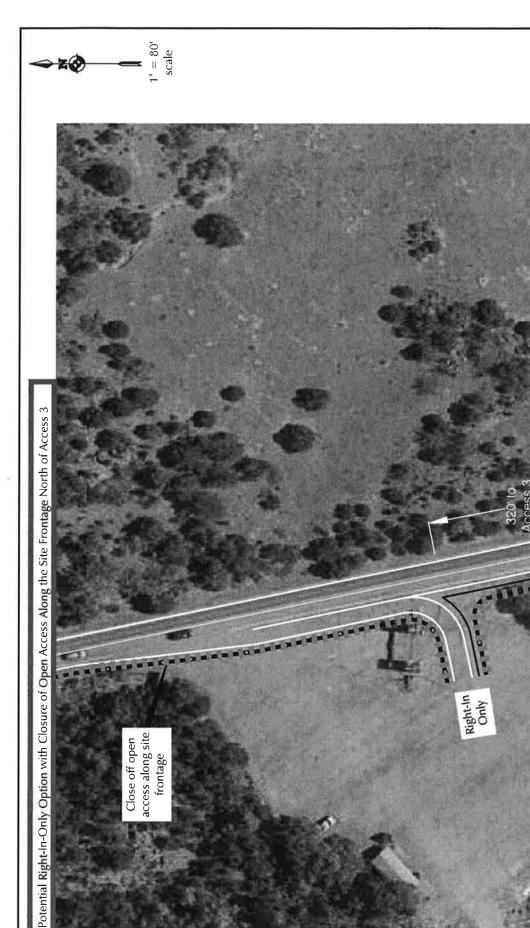
1" = 80' scale

Exhibit 37.2

Recommended Access Modifications (Part 2)

Royal Gorge Ranch and Resort (LSC# 194171)





Close off open access along site frontage



Recommended Access Modifications (Part 3)

Royal Gorge Ranch and Resort (LSC# 194171)



Close off open access along site frontage

Right-In Only

719-633-2868

File Name: CR 3A - Hwy 50 AM 8-23

Site Code : 194170 Start Date : 8/23/2023

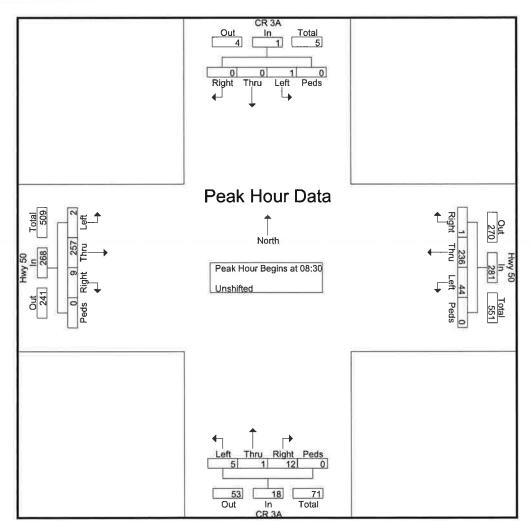
								G	roups	Printe	ted- Unshifted CR 3A Hwy 50											
			CR 3	A				Hwy 5	0				CR 3/	A								
		So	uthbo	ound			W	estbo	und			No	rthbo				Ea	astbo	und			
Start Time	Right	Thru	Left	Peds	App Total	Right	Thru	Left	Peds	App Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total	
07:30	0	0	0	0	0	0	7	0	0	7	2	0	0	0	2	1	22	0	0	23	32	
07:35	0	0	0	0	0	0	11	2	0	13	2	0	0	0	2	0	13	0	0	13	28	
07:40	0	0	0	0	0	0	9	0	0	9	1	0	0	0	1	0	29	0	0	29	39	
07:45	0	0	0	0	0	0	17	3	0	20	3	0	0	0	3	0	16	0	0	16	39	
07:50	0	0	0	0	0	1	18	1	0	20	0	0	0	0	0	1	24	0	0	25	45	
07:55	0	0	0	0	0	0	15	2	0	17	0	0	0	0	0	0	10	0	0	10	27	
Total	0	0	0	0	0	1	77	8	0	86	8	0	0	0	8	2	114	0	0	116	210	
08:00	0	0	0	0	0	0	21	6	0	27	0	0	0	0	0	0	16	0	0	16	43	
08:05	0	0	0	0	0	0	23	6	0	29	1	0	0	0	1	1	13	0	0	14	44	
08:10	0	0	0	0	0	0	24	5	0	29	1	0	0	0	1	1	28	0	0	29	59	
08:15	0	0	0	0	0	0	20	2	0	22	2	0	0	0	2	0	11	0	0	11	35	
08:20	0	0	0	0	0	0	23	2	0	25	1	0	0	0	1	0	6	0	0	6	32	
08:25	0	0	0	0	0	1	12	2	0	15	0	0	0	0	0	0	26	0	0	26	41	
08:30	0	0	0	0	0	0	22	3	0	25	0	0	0	0	0	0	16	0	0	16	41	
08:35	0	0	0	0	0	0	18	3	0	21	1	0	0	0	1	1	18	0	0	19	41	
08:40	0	0	0	0	0	0	16	1	0	17	1	0	0	0	1	2	24	0	0	26	44	
08:45	0	0	0	0	0	0	18	4	0	22	0	0	0	0	0	0	20	0	0	20	42	
08:50	0	0	0	0	0	0	18	5	0	23	0	0	0	0	0	1	15	0	0	16	39	
08:55	0	0	0	0	0	0	21	6	0	27	3	0	2	0	5	1_	30	0	0	31	63	
Total	0	0	0	0	0	1	236	45	0	282	10	0	2	0	12	7	223	0	0	230	524	
09:00	0	0	0	0	0	0	18	5	0	23	0	0	0	0	0	0	19	0	0	19	42	
09:05	0	0	1	0	1	1	14	1	0	16	1	0	1	0	2	0	15	0	0	15	34	
09:10	0	0	0	0	0	0	30	4	0	34	1	1	0	0	2	0	27	0	0	27	63	
09:15	0	0	0	0	0	0	22	2	0	24	4	0	1	0	5	1	30	1	0	32	61	
09:20	0	0	0	0	0	0	15	4	0	19	0	0	0	0	0	1	18	1	0	20	39	
09:25	0	0	0	0	0	0	24	6	0	30	1	0	1	0	2	2	25	0	0	27	59	
Grand Total	0	0	1	0	1	3	436	75	0	514	25	1	5	0	31	13	471	2	0	486	1032	
Apprch %	0	0	100	0		0,6	84.8	14.6	0		80.6	3.2	16.1	0		2.7	96.9	0.4	0			
Total %	0	0	0.1	0	0.1	0.3	42.2	7.3	0	49.8	2.4	0.1	0.5	0	3	1.3	45.6	0.2	0	47.1	Į.	

719-633-2868

File Name: CR 3A - Hwy 50 AM 8-23

Site Code : 194170 Start Date : 8/23/2023

			CR 3/	4				Hwy 5	0				CR 3/	4				Hwy 5	0		
		So	uthbo	und			W	estbo	und			No	rthbo	und			Ea	stbo	und		
Start Time	Right	Thru	Left	Peds	App Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App Total	Int Total
Peak Hour A	Analys	is Fro	m 07:3	30 to 0	9:25 - F	Peak 1	of 1														
Peak Hour f	or Ent	ire Inte	ersecti	ion Be	gins at	08:30									37	V.					
08:30	0	0	0	0	0	0	22	3	0	25	0	0	0	0	0	0	16	0	0	16	41
08:35	0	0	0	0	0	0	18	3	0	21	1_	0	0	0	1	1	18	0	0	19	41
08:40	0	0	0	0	0	0	16	1	0	17	1	0	0	0	1	2	24	0	0	26	44
08:45	0	0	0	0	0	0	18	4	0	22	0	0	0	0	0	0	20	0	0	20	42
08:50	0	0	0	0	0	0	18	5	0	23	0	0	0	0	0	1	15	0	0	16	39
08:55	0	0	0	0	0	0	21	6	0	27	3	0	2	0	5	1	30	0	0	31	63
09:00	0	0	0	0	0	0	18	5	0	23	0	0	0	0	0	0	19	0	0	19	42
09:05	0	0	1	0	1	1	14	1	0	16	1	0	1	0	2	0	15	0	0	15	34
09:10	0	0	0	0	0	0	30	4	0	34	1	1	0	0	2	0	27	0	0	27	63
09:15	0	0	0	0	0	0	22	2	0	24	4	0	1	0	5	1	30	1	0	32	61
09:20	0	0	0	0	0	0	15	4	0	19	0	0	0	0	0	1	18	1	0	20	39
09:25	0	0	0	0	0	0	24	6	0	30	1	0	1	0	2	2	25	0	0	27	59
Total Volume	0	0	1	0	1	1	236	44	0	281	12	1	5	0	18	9	257	2	0	268	568
% App. Total	0	0	100	0		0.4	84	15.7	0		66.7	5.6	27.8	0		3.4	95.9	0.7	0		
PHF	.000	.000	.083	.000	.083	.083	.656	.611	.000	.689	.250	.083	.208	.000	.300	.375	.714	.167	.000	.698	.751

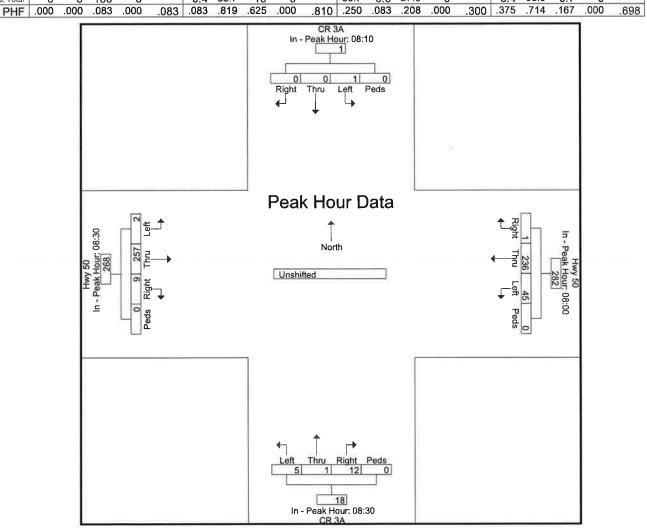


719-633-2868

File Name: CR 3A - Hwy 50 AM 8-23

Site Code : 194170 Start Date : 8/23/2023

			CR 3	A			1	Hwy 5	50				CR 3/	A		Hwy 50					
		So	uthbo	und			W	estbo	und			No	rthbo	und			E	astbo	und		
Start Time	Right	Thru	Left		App Total	Right	Thru	Left	Peds	App Total	Right	Thru	Left	Peds	App Total	Right	Thru	Left	Peds	App. Total	Int Tota
Peak Hour A						Peak 1	of 1														
Peak Hour f	or Eac	h App	roach	Begin	s at:																
	08:10					08:00					08:30					08:30					
+0 mins.	0	0	0	0	0	0	21	6	0	27	0	0	0	0	0	0	16	0	0	16	
+5 mins.	0	0	0	0	0	0	23	6	0	29	1	0	0	0	1	1	18	0	0	19	
+10 mins.	0	0	0	0	0	0	24	5	0	29	1	0	0	0	1	2	24	0	0	26	
+15 mins.	0	0	0	0	0	0	20	2	0	22	0	0	0	0	0	0	20	0	0	20	
+20 mins.	0	0	0	0	0	0	23	2	0	25	0	0	0	0	0	1	15	0	0	16	
+25 mins.	0	0	0	0	0	1	12	2	0	15	3	0	2	0	5	1	30	0	0	31	
+30 mins.	0	0	0	0	0	0	22	3	0	25	0	0	0	0	0	0	19	0	0	19	
+35 mins.	0	0	0	0	0	0	18	3	0	21	1	0	1	0	2	0	15	0	0	15	
+40 mins.	0	0	0	0	0	0	16	1	0	17	1	1	0	0	2	0	27	0	0	27	
+45 mins.	0	0	0	0	0	0	18	4	0	22	4	0	1	0	5	1	30	1	0	32	
+50 mins.	0	0	0	0	0	0	18	5	0	23	0	0	0	0	0	1	18	1	0	20	
+55 mins.	0	0	1_	0	1	0	21	6	0	27	1	0	1	0	2	2	25	0	0	27	
Total Volume	0	0	1	0	1	1	236	45	0	282	12	1	5	0	18	9	257	2	0	268	
% App. Total	0	0	100	0		0.4	83.7	16	0	1	66.7	5.6	27.8	0		3.4	95.9	0.7	0		



719-633-2868

File Name: CR 3A - Hwy 50 PM 8-23

Site Code : 194170 Start Date : 8/23/2023

C	Daimtond	Unshifted	п
Grouns	Printed-	unsninea	ш

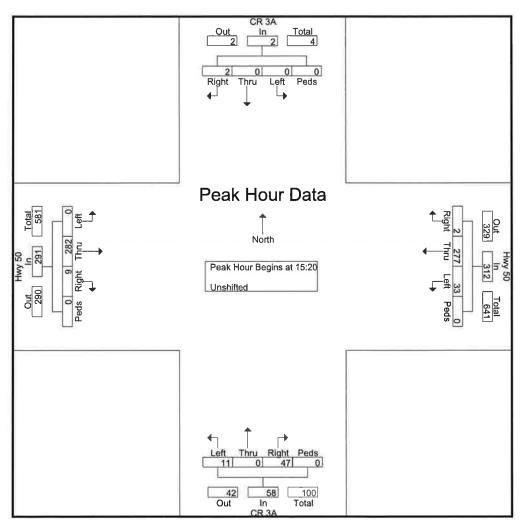
×						Groups Printed- Unshifted Hwy 50 CR 3A Hwy 50															
			CR 3	Α				Hwy 5					CR 3/	_							
		So	uthbo					estbo					rthbo					astbo			
Start Time	Right	Thru	Left	Peds	App Total	Right	Thru	Left	Peds	App. Tolst	Right	Thru	Left	Peds	App Total	Right	Thru	Left	Peds	App. Total	Int. Total
15:00	0	0	0	0	0	0	14	6	0	20	8	0	2	0	10	0	17	0	0	17	47
15:05	0	0	0	0	0	0	17	1	0	18	8	0	0	0	8	1	29	0	0	30	56
15:10	0	0	0	0	0	0	19	3	0	22	2	0	1	0	3	1	20	0	0	21	46
15:15	0	0	0	0	0	0	20	1	0	21	5	0	3	0	8	1	20	0	0	21	50
15:20	0	0	0	0	0	0	24	4	0	28	2	0	0	0	2	1	22	0	0	23	53
15:25	0	0	0	0	0	1	20	4	0	25	5	0	0	0	5	0	29	0	0	29	59
15:30	0	0	0	0	0	0	27	4	0	31	5	0	0	0	5	2	33	0	0	35	71
15:35	0	0	0	0	0	0	20	2	0	22	11	0	1	0	12	1	13	0	0	14	48
15:40	0	0	0	0	0	0	31	1	0	32	6	0	5	0	11	0	21	0	0	21	64
15:45	0	0	0	0	0	0	13	2	0	15	2	0	0	0	2	0	23	0	0	23	40
15:50	0	0	0	0	0	1	19	2	0	22	1	0	0	0	1	0	24	0	0	24	47
15:55	:0:	0	0	0	0	0	28	3	0	31	5	0	0	0	5	1_	18	0	0	19	55
Total	0	0	0	0	0	2	252	33	0	287	60	0	12	0	72	8	269	0	0	277	636
16:00	0	0	0	0	0	0	29	2	0	31	5	0	0	0	5	1	26	0	0	27	63
16:05	0	0	0	0	0	0	20	4	0	24	1	0	1	0	2	1	28	0	0	29	55
16:10	1	0	0	0	1	0	22	2	0	24	2	0	1	0	3	2	22	0	0	24	52
16:15	1	0	0	0	1	0	24	3	0	27	2	0	3	0	5	0	23	0	0	23	56
16:20	0	0	0	0	0	0	23	2	0	25	2	0	2	0	4	0	17	0	0	17	46
16:25	0	0	0	0	0	0	15	5	0	20	5	0	3	0	8	1	13	1	0	15	43
16:30	0	0	0	0	0	0	15	2	0	17	2	0	0	0	2	2	20	0	0	22	41
16:35	0	0	0	0	0	0	15	2	0	17	2	0	4	0	6	2	20	0	0	22	45
16:40	0	0	0	0	0	0	20	3	0	23	9	0	1	0	10	3	24	0	0	27	60
16:45	0	0	0	0	0	0	20	1	0	21	2	0	0	0	2	0	15	0	0	15	38
16:50	0	0	0	0	0	0	25	3	0	28	5	0	2	0	7	0	18	0	0	18	53
16:55	0	0	2	0	2	0	17	1	0	18	7	0	4	0	11	0	19	0	0	19	50
Total	2	0	2	0	4	0	245	30	0	275	44	0	21	0	65	12	245	1	0	258	602
17:00	0	1	0	0	1	0	20	1	0	21	6	0	1	0	7	1	9	0	0	10	39
17:05	0	0	0	0	0	0	23	1	0	24	3	0	0	0	3	0	18	0	0	18	45
17:10	0	1	1	0	2	0	25	0	0	25	2	0	3	0	5	0	22	0	0	22	54
17:15	0	0	0	0	0	0	22	1	0	23	1	0	2	0	3	1	11	0	0	12	38
17:20	0	0	0	0	0	1	23	1	0	25	4	0	1	0	5	0	20	0	0	20	50
17:25	0	0	0	0	0	0	16	2	0	18	2	0	0	0	2	0	11	0	0	11	31
Grand Total	2	2	3	0	7	3	626	69	0	698	122	0	40	0	162	22	605	1	0	628	1495
Apprch %	28.6	28.6	42.9	0		0.4	89.7	9.9	0		75.3	0	24.7	0		3.5	96.3	0.2	0		
Total %	0.1	0.1	0.2	0	0.5	0.2	41.9	4.6	0	46.7	8.2	0	2.7	0	10.8	1.5	40.5	0.1	0	42	

719-633-2868

File Name: CR 3A - Hwy 50 PM 8-23

Site Code : 194170 Start Date: 8/23/2023

			CR 3/	Δ.				Hwy 5	0				CR 3	A				Hwy 5	0		ľ
		So	uthbo	und			W	estbo	und			No	rthbo	und			E	astbo	und		
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App, Total	Right	Thru	Left	Peds	App Total	Int Total
Peak Hour A	Analys	is Fro	m 15:0	00 to 1	7:25 - F	Peak 1	of 1														
Peak Hour f	or Ent	ire Inte	ersect	ion Be	gins at	15:20															
15:20	0	0	0	0	0	0	24	4	0	28	2	0	0	0	2	1	22	0	0	23	53
15:25	0	0	0	0	0	1	20	4	0	25	5	0	0	0	5	0	29	0	0	29	59
15:30	0	0	0	0	0	0	27	4	0	31	5	0	0	0	5	2	33	0	0	35	71
15:35	0	0	0	0	0	0	20	2	0	22	11	0	1	0	12	1	13	0	0	14	48
15:40	0	0	0	0	0	0	31	1	0	32	6	0	5	0	11	0	21	0	0	21	64
15:45	0	0	0	0	0	0	13	2	0	15	2	0	0	0	2	0	23	0	0	23	40
15:50	0	0	0	0	0	1	19	2	0	22	1	0	0	0	1	0	24	0	0	24	47
15:55	0	0	0	0	0	0	28	3	0	31	5	0	0	0	5	1	18	0	0	19	55
16:00	0	0	0	0	0	0	29	2	0	31	5	0	0	0	5	1	26	0	0	27	63
16:05	0	0	0	0	0	0	20	4	0	24	1	0	1	0	2	1	28	0	0	29	55
16:10	1	0	0	0	1	0	22	2	0	24	2	0	1	0	3	2	22	0	0	24	52
16:15	1	0	0	0	1	0	24	3	0	27	2	0	3	0	5	0	23	0	0	23	56
Total Volume	2	0	0	0	2	2	277	33	0	312	47	0	11	0	58	9	282	0	0	291	663
% App. Total	100	0	0	0		0.6	88.8	10.6	0		81	0	19	0		3.1	96.9	0	0		
PHF	.167	.000	.000	.000	.167	.167	.745	.688	.000	.813	.356	.000	.183	.000	.403	.375	.712	.000	.000	.693	.778



LSC Transportation Consultants, Inc.

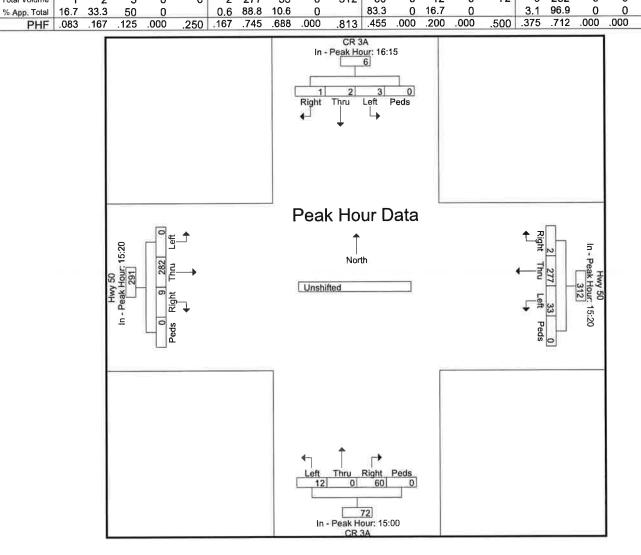
2504 E. Pikes Peak Ave, Suite 304 Colorado Springs, CO 80909 719-633-2868

File Name: CR 3A - Hwy 50 PM 8-23

.693

Site Code : 194170 Start Date : 8/23/2023

		(CR 3A				ı	lwy 5	0				CR 3A	1				Hwy 5	0		
		Sou	ithbοι	ınd			We	stbo	und			No	rthbo	und			E	astbou	ınd		
Start Time	Right	Thru	Left	Peds	App Total	Right	Thru	Left	Peds	App_Total	Right	Thru	Left	Peds	App Total	Right	Thru	Left	Peds	App_Total	Int. Total
Peak Hour A	Analysis	Fron	15:00	0 to 17	:25 - F	Peak 1	of 1														
Peak Hour f	or Each	Appr	oach I	Begins	at:																,
	16:15					15:20					15:00					15:20					
+0 mins.	1	0	0	0	1	0	24	4	0	28	8	0	2	0	10	1	22	0	0	23	
+5 mins.	0	0	0	0	0	1	20	4	0	25	8	0	0	0	8	0	29	0	0	29	
+10 mins.	0	0	0	0	0	0	27	4	0	31	2	0	1	0	3	2	33	0	0	35	
+15 mins.	0	0	0	0	0	0	20	2	0	22	5	0	3	0	8	1	13	0	0	14	
+20 mins.	0	0	0	0	0	0	31	1	0	32	2	0	0	0	2	0	21	0	0	21	
+25 mins.	0	0	0	0	0	0	13	2	0	15	5	0	0	0	5	0	23	0	0	23	
+30 mins.	0	0	0	0	0	1	19	2	0	22	5	0	0	0	5	0	24	0	0	24	
+35 mins.	0	0	0	0	0	0	28	3	0	31	11	0	1	0	12	1	18	0	0	19	
+40 mins.	0	0	2	0	2	0	29	2	0	31	6	0	5	0	11	1	26	0	0	27	
+45 mins.	0	1	0	0	1	0	20	4	0	24	2	0	0	0	2	1	28	0	0	29	
+50 mins.	0	0	0	0	0	0	22	2	0	24	1	0	0	0	1	2	22	0	0	24	
+55 mins.	0	1	1	0	2	0	24	3	0	27	5	0	0	0	5	0	23	0	0	23	
Total Volume	1	2	3	0	6	2	277	33	0	312	60	0	12	0	72	9	282	0	0	291	



Intersection	THE STATE OF	Side .		150	WE THE	Marily .	NI TOPIN	- Vent	1083	No.	CALL ST	573		2070
Int Delay, s/veh	1													
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR		MAN A
Lane Configurations	ľ	^	7	ሻ	^	77		43			44			
Traffic Vol, veh/h	2		9	44	236	1	5	1	12	1	0	0		
Future Vol, veh/h	2		9	44	236	1	5	1	12	1	0	0		
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0	S 12 12 14 1	
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop		
RT Channelized	4		Yield	-		None	0.712	100	Yield			Stop	15 A	
Storage Length	545	-	165	365		0	-		-	-	-			
Veh in Median Storage		0	TV &	-	0			0		K)	0	10. 14.1		
Grade, %				170	0	-		0	-		0			
Peak Hour Factor	92		92	92	92	92	78	78	78	78	78	78	No. SWITTER	
Heavy Vehicles, %	2		2	2	2	2	2	2	2	2	2	2		
Mvmt Flow	2		10	48	257	1	6	1	15	1	0	0		
							100				-			
	Major1			Major2	S (1)/07/		Minor1			Minor2		100		ne i
Conflicting Flow All	258	0	0	279	0	0	637	637	279	637	636	257		
Stage 1	1 3	-		- 3		- 1	283	283	(b) #	353	353			
Stage 2	9.7			-		-	354	354	-	284	283			
Critical Hdwy	4.12			4.12			7.12	6.52	6.22	7.12	6.52	6.22		
Critical Hdwy Stg 1					(*)	-	6.12	5.52	-	6.12	5.52	9₩1		
Critical Hdwy Stg 2			-	(i #		-	6.12	5.52	12.5	6.12	5.52			W 10
Follow-up Hdwy	2.218	-		2.218	:43	-	3.518	4.018	3.318	3.518	4.018	3.318		
Pot Cap-1 Maneuver	1307		- 4	1284	1 1	12	390	395	760	390	395	782		
Stage 1				-	·	-	724	677		664	631	9€		
Stage 2	- 1		dining.				663	630	F BER	723	677	of.		
Platoon blocked, %		6.5	-		190									
Mov Cap-1 Maneuver	1307		M Me	1284			378	380	760	370	380	782		
Mov Cap-2 Maneuver			-	(=)			378	380	*	370	380			
Stage 1	. 1 54			195			723	676	i i i i v	663	608		B	111
Stage 2		~	~		12:	-	638	607	-	706	676	64		
	-	16" 0		1410			410		TONIO I	20				212
Approach	EB		1- 4-37	WB	4		NB	Harry N.	Dell 1	SB	1000	-	a over one of the	7 *
HCM Control Delay, s	0.1	- 111		1.2			8.2			14.8				
HCM LOS		- 200					Α	P - 11-2	1200	В		in.		
Minor Lane/Major Mvm	t	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1		1270		W. S. R. KUTON	
Capacity (veh/h)			1307			1284			10000000	115			The second	1
HCM Lane V/C Ratio			0.002			0.037	-		0.003					
HCM Control Delay (s)	X.O.	8.2	7.8	150	1	7.9	1,2		14.8		1 41-1			
HCM Lane LOS	1 1	Α.2	Α.		-	Α.5			В					a _ 5
HCM 95th %tile Q(veh)		0.1	0					-	0				Date to Kin	
How som whe wiven		0.1	U	- 5	A 11 5/	0.1	II. 650	- 17	U					

Intersection	20131	11 85	27.5	"Source		3200	125		700	A STATE			3.2017		60
Int Delay, s/veh	1.3														
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	La Contract	77/1-71 AV	913
Lane Configurations	Ť	٨	74	ሻ	^	7		4	E		43				
Traffic Vol, veh/h	0	282	9	33	277	2	11	0	47	0	0	2			
Future Vol, veh/h	0	282	9	33	277	2	11	0	47	0	0	2			
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0			
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop			
RT Channelized			Yield	120		None		NIT S	Yield	16	8 8	Stop			
Storage Length	545	-	165	365	-	0				-					
Veh in Median Storage	,# -	0	-		0	V 18		0			0				
Grade, %	15	0			0			0			0	:(€:			
Peak Hour Factor	92	92	92	92	92	92	83	83	83	78	78	78			
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2			
Mvmt Flow	0	307	10	36	301	2	13	0	57	0	0	3	1,717.18	. ""	
Major/Minor I	Major1	()= (0)		Major2	1000	N7 -51	Minor1	J. In Price	1 34	Minor2	W. 4	3173115		4.615	
Conflicting Flow All	303	0	0	307	0	0	681	682	307	680	680	301			
Stage 1			-		L	11.	307	307	jikas,	373	373		7- 3-11	11 50 -0 1	
Stage 2			:•3	;=::	-	-	374	375	-	307	307				
Critical Hdwy	4.12		1,040	4.12			7.12	6.52	6.22	7.12	6.52	6.22	- 'allow		
Critical Hdwy Stg 1				:=1:	- 4	-	6.12	5.52	1130,000	6.12	5.52	-			
Critical Hdwy Stg 2		-		T E	-		6.12	5.52	0 2	6.12	5.52			1	100
Follow-up Hdwy	2.218	-	-	2.218	~	-	3.518	4.018	3.318	3.518	4.018	3.318			
Pot Cap-1 Maneuver	1258	- 1	2	1254			364	372	733	365	373	739	- 1		6 E0
Stage 1		360	-	-		-	703	661		648	618	(.e.i			
Stage 2			9 1				647	617		703	661				- 1
Platoon blocked, %		:50	-		*					5,000,0	56(1)				
Mov Cap-1 Maneuver	1258			1254	-12		355	361	733	330	362	739	V2017		
Mov Cap-2 Maneuver	:*:		94	-	*		355	361	-	330	362	-			
Stage 1				- 1		- 2	703	661	= / (&)	648	600		- N	- 12 S C	
Stage 2	**		<u>~</u>	ě.		-	626	599	-	649	661				
Approach	EB	Salts.	W: 1	WB		1350	NB	N Suc	A ROY	SB	(15,35		300.00	1010	100
HCM Control Delay, s	0		HEF	0.8			9.3	Kall III II	LE VON	9.9	UIB L	15.4		Y A IT E	DIT.
HCM LOS		181		5 %			Α	U.S.		Α	0,00				
Minor Lane/Major Mvm	1	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	Mary.	1337	16781	-312	9-15-2 No.	100
Capacity (veh/h)	1.53	905	1258		-	1254	- 18		100000		u v				
HCM Lane V/C Ratio		0.077	-	2		0.029		-	0.003						
HCM Control Delay (s)	-11-	9.3	0			8	Į į	-	9.9						
HCM Lane LOS		Α	Α			A			A						
HCM 95th %tile Q(veh)		0.2	0		100	0.1		W.C.	0	II E. A.					

Intersection	200			n		- N 11 17		1000	1 125	0.00		THE RESERVE	CHECK
Int Delay, s/veh	1.4			N III SE	100	53 (6)	77	123	150	100		SILES	
	- 0												
Movement	EBL			WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	200
Lane Configurations	ሻ			ሻ	^	7		4			4		
Traffic Vol, veh/h	2			59	236	1	6	1		1	0	. 0	
Future Vol, veh/h	2			59	236	1	6			1	0	0	
Conflicting Peds, #/hr	0	_		0	0	0	0	- 0	-	0	0	0	
Sign Control	Free	Free		Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop	
RT Channelized	4.4		11010			None	Væ	7.5	Yield	ž.	74	Stop	
Storage Length	545	-	165	365	_	0	2	2	2	-	-	· -	
Veh in Median Storage	€,# -	0	-		0			0			0		
Grade, %	-	0		-	0	Ē		0	-	10	0	857	
Peak Hour Factor	92			92	92	92	78	78	78	78	78	78	
Heavy Vehicles, %	2			2	2	2	2	2	2	2	2	2	
Mvmt Flow	2	279	12	64	257	1	8	1	32	1	0	0	
Major/Minor I	Major1			Major2	7-75	- To 4	Minor1	1020	1111	Minor2	1176	- 12 Mg 5	100
Conflicting Flow All	258	0		279	0	0	669	669	279	669	668	257	
Stage 1							283	283	2.0	385	385	201	520
Stage 2		-		-			386	386		284	283		
Critical Hdwy	4.12	11.5	2	4.12			7.12	6.52	6.22	7.12	6.52	6.22	
Critical Hdwy Stg 1		-		-			6.12	5.52	0.22	6.12	5.52	U.L.L	
Critical Hdwy Stg 2	D. I.			V. F.		DO I	6.12	5.52	Hall.	6.12	5.52	161.5	
Follow-up Hdwy	2.218		_	2.218	*		3.518	4.018	3.318	3.518			
Pot Cap-1 Maneuver	1307	-IW		1284			371	379	760	371	379	782	
Stage 1	-		_	1201	-		724	677	100	638	611	102	
Stage 2				- 2	Q 1.		637	610		723	677	C)	
Platoon blocked, %		-	~		-		001	010		120	UII		
Mov Cap-1 Maneuver	1307		1	1284			357	359	760	341	359	782	
Mov Cap-2 Maneuver		-	-	-	-		357	359	700	341	359	102	
Stage 1	1 2 2	-	J. F.				723	676	125 M	637	580	57.5	
Stage 2	-		*	-	-	241	605	580		690	676	I III III III	
Character Witness				100			000	000		000	010		H
Approach	EB		11.1.8	WB	0.087	8957	NB		255	SB	V. D.	11 3. 4	
HCM Control Delay, s	0.1			1.6	. // 1		8.9			15.6			
HCM LOS				1.0			Α		OU N	C			
								i liwa				- 4	
Minor Lane/Major Mvm	t 1	VBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	T TOWN		B 20 7	
Capacity (veh/h)		973	1307			1284			TWO SE		4 1	8 14	
HCM Lane V/C Ratio			0.002	-	8.00	0.05	3-3		0.004				
HCM Control Delay (s)		8.9	7.8	- 4		8	-	/ X					
HCM Lane LOS		Α	Α	841		A	7-5		C				
HCM 95th %tile Q(veh)	3 1	0.1	0	14		0.2		100	0		7, 5.		7,8
,, =,		COM											

Intersection	100 10	SV18)	15 h 19	a direct		6.181	A STATE OF	v 23 1	1125 501	EW.	Town Williams	100	7		7,1	.37	10 13
Int Delay, s/veh	0.2																
Movement	EBL	EBR	NBL	NBT	SBT	SBR	30 B	SEMI	51 B	1/3	SEL VS	30	296	PATE OF	11 (3)	-00-	STEELS IN
Lane Configurations	**			4	1}→												
Traffic Vol, veh/h	2		0	31	64	3											11.112
Future Vol, veh/h	2	0	0	31	64	3											
Conflicting Peds, #/hr	0	0	0	0	0	0											11 / 24
Sign Control	Stop	Stop	Free	Free	Free	Free											× 1
RT Channelized	<u> </u>				II NE	None											10000
Storage Length	0	-	-	-	-												
Veh in Median Storag	e,# 0		15 %	0	0	5 21 %			g.,								VIII . 33
Grade, %	0	-	_	0	0	-											
Peak Hour Factor	78	78	78	78	83	83	1 1										
Heavy Vehicles, %	2	2	2	2	2	2											7
Mvmt Flow	3	0	0	40	77	4			-	- 5			56311				
												20.11					
Major/Minor	Minor2	V 101	Major1	AL PA	/lajor2	N. C. C.	1000		68 5	Seiden	775		TOTAL VI	7-1	1 V 1		
Conflicting Flow All	119	79	81	0	-	0									111000	Wh.	200 100
Stage 1	79	- 1							_ 01/5	1111	S 11	- 70		- 2	II.		0.00
Stage 2	40	-			-												1 = 1
Critical Hdwy	6.42	6.22	4.12						100							-	
Critical Hdwy Stg 1	5.42	-	_	-		*											100
Critical Hdwy Stg 2	5.42	100	180.			N ² TOP	27 - 1		5111							11 = 711	
Follow-up Hdwy	3.518	3.318	2 218	_	-						V VIII						. 2
Pot Cap-1 Maneuver	877	981	1517			A 14		N. I.				-					- T
Stage 1	944	-	1011														
Stage 2	982	1 102	50,7791				- 1								- 110		
Platoon blocked, %	002		11 8		(.)		•						-				100
Mov Cap-1 Maneuver	877	981	1517		, VII .		7 E 7 E										Statistical
Mov Cap-2 Maneuver	877	- 001	1017		3 3									-116			
Stage 1	944		- X - 2				15-5				-						
Stage 2	982			-	-			- 2				ng.					2 1
Olage 2	302			•	-		17. 70			-					-		
Approach	EB	AF-10-20	MP	10.00	00	erecon in							ys/1			5 50	900
Approach		10000	NB		SB	Treatil		3 - 11 -	161 -	-31	- 10	10 17	MISSE.		s''', ji	LEC	
HCM Control Delay, s HCM LOS	9.1		0		0	T SIMI											Saya
HCIVI LOS	Α				-							-					
Minor Lane/Major Mvm		NBL	NBTE	RI n1	SBT	SBR	No Chicago	and the		0000	NIS S	-	2000		The State of	-	
Capacity (veh/h)		1517	IND) L	11 10 10 10 10	-	ODK -	1000000	LIVE DE L		9-25		Head !		1			2000
HCM Lane V/C Ratio		-		0.003												911	1
HCM Control Delay (s)		0		9.1	-	:#::											_
HCM Lane LOS			*			11 3		"II VAN									1,3
HCM 95th %tile Q(veh)		A 0	-	Α		•											
now sour wife Q(ven)		U		0	2.		00										100

Intersection	81 F 9	SUBIR	1 5 1	400	21,57	War Iv		A STORY
Int Delay, s/veh	0.3							
Movement	EBL	EBR	NBL	NBT	SBT	SBR	PACE NAME OF THE PACE OF THE P	SEL.
Lane Configurations	J.A.			4	1>			
Traffic Vol, veh/h	3		0	28	60	4		
Future Vol, veh/h	3	0	0	28	60	4		
Conflicting Peds, #/hr	0	0	0	0	0	0		
Sign Control	Stop	Stop	Free	Free	Free	Free		
RT Channelized	o II Y	TELEPINA TAREA	74		X &	0.00		
Storage Length	0	/ 🛋	-	Cooper to the	-			
Veh in Median Storage	,# 0	74		0	0			
Grade, %	0	·		0	0			
Peak Hour Factor	78	78	78	78	83	83		
Heavy Vehicles, %	2	2	2	2	2	2		
Mvmt Flow	4	0	0	36	72	5		
Major/Minor	Minor2		Major1	٨	Лајог2	× 511		
Conflicting Flow All	111	75	77	0	-	0		
Stage 1	75		3		111 321	100	A THE RESERVE	. 511
Stage 2	36					-		
Critical Hdwy	6.42	6.22	4.12	V V	TONIE		Z 11 - V 45ESE	
Critical Hdwy Stg 1	5.42				-			
Critical Hdwy Stg 2	5.42		4	. 4	S 01*1			
Follow-up Hdwy	3.518	3.318	2.218	_		12		200
Pot Cap-1 Maneuver	886	986	1522	Y		1001		
Stage 1	948	121		- 1	¥			
Stage 2	986	11, 150	N TE	FUE			- 3	
Platoon blocked, %					-		1 - 161	
Mov Cap-1 Maneuver	886	986	1522			V (*0		100
Mov Cap-2 Maneuver	886			*				
Stage 1	948				di re	1 2 3		
Stage 2	986		<u>u</u>	-		(/ <u>E</u> :		
	500		251					
Approach	EB	-1 23/1	NB	J-18 1	SB	No. of the last		101
HCM Control Delay, s	9.1	0.1	0		0	II III III		DATE SEE
HCM LOS	A				U			
		1					2 3 4 4 5 5 F W 10 1	3 Yeur
Minor Lane/Major Mvm	100	NBL	NBTE	BLn1	SBT	SBR	11 12 15 0 10 10 10	237
Capacity (veh/h)	i e i	1522		886				
HCM Lane V/C Ratio			726	0.004	-	*		
HCM Control Delay (s)		0		9.1	- 1	(N)		
HCM Lane LOS		Α		Α				
HCM 95th %tile Q(veh)		0	(C 0)	0	-			

0.5 EBL					
	EBR	NBL	NBT	SBT	SBR
N/A			र्स	7>	
5		0	23	54	7
5			23	54	7
0		0	0	0	0
					Free
-					D/ZACHINA
0			-		-
			0	0	
					-
					83
					2
					8
U	U	U	25	00	0
				Лајог2	170 PM
98	69	73	0	~	0
69			IIV BY	11 3	u si
29	-		÷.	-	
6.42	6.22	4.12	0 (5)	1 .	1 1
5.42		-	-	-	-
5.42	T (T.	Trail a			-
	3.318	2.218	-		
				100	- 2
	-		2	-	
	. 19	or.		11.79	1 7
100000					-
901	994	1527			10.81
	-		11(5)		-
			-	0.44	
334		_		-	(- 1
	-11-		10%	- 18	
EB		NB	9 3 W	SB	
9		0	J. T.	0	
Α					
					F 1
nt	NBL	NBTE	BLn1	SBT	SBR
				_	
					*
			and the second section in the second		9 - 5
,					-
)	U		0		
)	Stop	Stop Stop - None 0 - 19, # 0 - 0 - 78 78 2 2 6 0 0 Minor2 98 69 69 - 29 - 6.42 6.22 5.42 - 5.42 - 3.518 3.318 901 994 954 - 994 - 994 - EB 9 A nt NBL 1527 - 0 A	Stop Stop Free - None - O O O O O - O - O - O	Stop Stop Free Free - None - None 0 0 0 0 78 78 78 78 78 2 2 2 2 2 6 0 0 29 Minor2 Major1 98 69 73 0 69 29 6.42 6.22 4.12 - 5.42 5.42 5.42 5.42 901 994 1527 - 994 994 994 994 EB NB 9 0 A Int NBL NBT EBLn1 1527 - 901 - 0.007 0 - 9 A - A	Stop Stop Free None - <

Intersection	Works	TOTAL !	1,000	WE - 12	3 - 27	WI T
Int Delay, s/veh	0.2					
) come	V 4 100 000	4.000.0	TITLE NAME OF THE
Movement	EBT	EBR	WBL		NBL	NBR
Lane Configurations	₽			4	N/V	
Traffic Vol, veh/h	51	2	0	21	2	
Future Vol, veh/h	51	2	0	21	2	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized		None		None		None
Storage Length	-		:-	-	0	-
Veh in Median Storage,	# 0	-		0	0	
Grade, %	0			0	0	-
Peak Hour Factor	83	83	78	78	78	78
Heavy Vehicles, %	2	2	2	2	2	2
Mymt Flow	61	2	0	27	3	0
IALALIAC I JOAA	UI		U	21	3	U
None and a second second						
Major/Minor M	lajor1	c= = #	Major2	8 - 11	Minor1	14 1840
Conflicting Flow All	0	0	63	0	89	62
Stage 1	10.4		4	-	62	10 2
Stage 2	127		- 2	-	27	8
Critical Hdwy		N N 12	4.12		6.42	6.22
Critical Hdwy Stg 1		-			5.42	-
Critical Hdwy Stg 2			V8 3 NI		5.42	17.17
Follow-up Hdwy	-	-	2.218		3.518	
Pot Cap-1 Maneuver	271		1540		912	1003
Stage 1	-	10	100000000000000000000000000000000000000			72.77.2027
				-	961	
Stage 2	11 12/		- 1		996	1
Platoon blocked, %	-	2				
Mov Cap-1 Maneuver			1540		912	1003
Mov Cap-2 Maneuver			-	=	912	:(=:
Stage 1			•		961	- 17.14
Stage 2		*		-	996	50=6
Ye and the second	176		1500			
Approach	EB		WB	E. 18	NB	3 (30)
			7.9-		_	- 4
HCM Control Delay, s	0		0	00 III.	9	
HCM LOS					Α	
The State of the S						100
Minor Lane/Major Mvmt	N	BLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)		912	LDI	LDIN -	1540	
HCM Lane V/C Ratio					1540	J. 3.
		0.003			-	: * :
HCM Control Delay (s)		9	*	- **	0	
HCM Lane LOS		A	100	-	Α	
HCM 95th %tile Q(veh)		0			0	•

Intersection	S 538	m Van de	165	W/ X	198	
Int Delay, s/veh	0.1					
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	7.			स	Y	
Traffic Vol, veh/h	50	1	0	20	1	0
Future Vol, veh/h	50	1	0	20	1	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	
RT Channelized	-		- 100		-	
Storage Length	-	-	-	-	0	-
Veh in Median Storage,	# 0		79 3	0	0	
Grade, %	0	-	_	0	0	-
Peak Hour Factor	83	83	78	78	78	78
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	60	1	0	26	1	0
	- 00			20		U
Victoria de		NEW YORK			19270 000	
	lajor1		Major2		Minor1	he was
Conflicting Flow All	0	0	61	0	87	61
Stage 1		2015	•		61	7.34
Stage 2	•	-	17/0	i a	26	-
Critical Hdwy		1 .	4.12		6.42	6.22
Critical Hdwy Stg 1		:•1	-	-	5.42	-
Critical Hdwy Stg 2		-		-	5.42	
Follow-up Hdwy			2.218	-	3.518	3.318
Pot Cap-1 Maneuver		-	1542		914	1004
Stage 1	120	*	-	9	962	-
Stage 2				10.8	997	
Platoon blocked, %	•	-		77:		
Mov Cap-1 Maneuver			1542		914	1004
Mov Cap-2 Maneuver	*:	*	*	-	914	×
Stage 1		-		E	962	8 5 -
Stage 2	- 4		_	2	997	-
				P 183		
Approach	EB	78 X	WD	100	ND	
		200	WB	2-11-5	NB	5 4 1
HCM Control Delay, s	0		0		8.9	
HCM LOS					Α	
				AL LI		
Minor Lane/Major Mvmt	N	BLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)		914			1542	
HCM Lane V/C Ratio	(0.001		5.65	September 1	-
HCM Control Delay (s)	114	8.9		12	0	
HCM Lane LOS		A	-		A	-
HCM 95th %tile Q(veh)		0			0	

Intersection	1 Life 8	THE W	5 N			4,500	Brass.	18511		7. 90	1800	
Int Delay, s/veh	1.8											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	*5	^	7	ሻ	^	7		4			4	
Traffic Vol, veh/h	0	282	11	50	277	2	13		67	0		
Future Vol, veh/h	0	282	11	50	277	2	13		67	0		2
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0		0
Sign Control	Free	Free	Free	Free	Free	Free	Stop		Stop	Stop		Stop
RT Channelized		101 (4)	Yield			None	2 7 2		Yield			Stop
Storage Length	545	-	165	365	-	0	-	-	-	-		-
Veh in Median Storage	e.# -	0		1127	0	- "	1	0	W. Hue			
Grade, %		0	177	-	0		-				1241	
Peak Hour Factor	92	92	92	92	92	92	83		83	78		78
Heavy Vehicles, %	2	2	2	2	2	2	2	44.75	2	2		2
Mymt Flow	0	307	12	54	301	2	16		81	0	and the second	3
			- 0.00	1,577	(PEII)		1.5	(5)				
Major/Minor I	Major1	N. Sain	57 6	Major2	SV 3 7	13.30	Minor1	13.73	181	Minor2	To Pa	1000
Conflicting Flow All	303	0	0	307	0	0	717	718	307	716	716	301
Stage 1			1.8.	-			307	307	1007	409	409	-
Stage 2		-	-	-	-	A	410	411	The same	307	307	
Critical Hdwy	4.12			4.12	134		7.12	6.52	6.22	7.12	6.52	6.22
Critical Hdwy Stg 1	-			-		-	6.12	5.52	0.64	6.12	5.52	0.22
Critical Hdwy Stg 2				SHS. +	- 11		6.12	5.52		6.12	5.52	
Follow-up Hdwy	2.218	-	-	2.218	_	201=0	3.518		3.318	3.518	4.018	3.318
Pot Cap-1 Maneuver	1258	2		1254		-	345	355	733	345	356	739
Stage 1	-	-	- 2			-	703	661	100	619	596	100
Stage 2	T IX			-		A 18	619	595	8 V.	703	661	
Platoon blocked, %			-	23 - 10	-	6.5	010	000	100	. 00	001	
Mov Cap-1 Maneuver	1258		n n	1254		100	333	340	733	297	341	739
Mov Cap-2 Maneuver				-		7.81	333	340	- 100	297	341	100
Stage 1		4	9 NI .		- 1		703	661		619	570	
Stage 2	-		2	-	-	120	590	569		626	661	
		THE		1 1 1 1 2	X		300		SING	320	301	7.
Approach	EB	95% b	186	WB	Oy's	10.00	NB	STOR	5 B X 3	SB		112/2.0
HCM Control Delay, s	0		CT I	1.2	10 - 11	1 8 8	9.6	17000	S SUN	9.9		87, 55
HCM LOS							A			A		
Transport		H _ II					441		lity I	1,714		
Minor Lane/Major Mvm	t N	IBLn1	EBL	EBT	EBR	WBL	WBT	WBR S	SBLn1	1000	S, 12 II	5 1194 mg
Capacity (veh/h)	File	875	1258			1254			PO150001	11/75	0	
HCM Lane V/C Ratio		0.11	(#I	~		0.043		-	0.003			
HCM Control Delay (s)	THE ST	9.6	0	(#E)		8			9.9			J 177.
HCM Lane LOS		Α	A		(*)	A	•		A			
HCM 95th %tile Q(veh)		0.4	0			0.1		A 5	0			

Intersection	11 35	-97	S 35-76		V ₉ V-1	-12
Int Delay, s/veh	0.3					
Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations	**			स	1 >	
Traffic Vol, veh/h	4	0	0	73	55	3
Future Vol, veh/h	4	0	0	73	55	3
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	IN OV	None		7.1		None
Storage Length	0			-		-
Veh in Median Storage		-	U To	0	0	
Grade, %	0	-		0	0	
Peak Hour Factor	78	78	83	83	83	83
Heavy Vehicles, %	2	2	2	2	2	2
Mymt Flow	5	0	0	88	66	4
		-				
Mataun Harry			NAME OF TAXABLE PARTY.			
	Minor2		Major1		Major2	
Conflicting Flow All	156	68	70	0		0
Stage 1	68	*	V. 2	- (2)		
Stage 2	88		•	•	•	
Critical Hdwy	6.42	6.22	4.12	- 00 - 2 0		
Critical Hdwy Stg 1	5.42	:50	150	- 2	:-	-
Critical Hdwy Stg 2	5.42	-				
Follow-up Hdwy	3.518	3.318			-	~
Pot Cap-1 Maneuver	835	995	1531			
Stage 1	955	-	-	- 12	- 2	=
Stage 2	935	AL S			- III	-
Platoon blocked, %						
Mov Cap-1 Maneuver	835	995	1531			-
Mov Cap-2 Maneuver	835	-		-		-
Stage 1	955	1		1178	al fe	
Stage 2	935	-	-			=
					-	10-10-
Approach	EB	2005	NB	1500	SB	F136/6
HCM Control Delay, s	9.3		0		0	
HCM LOS	3.5 A		U		U	
TION LOG	А			. 20		
240 - 21 - 2010		LEGOCOTTON -				
Minor Lane/Major Mvm	t	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)		1531		835	illus.	
HCM Lane V/C Ratio		*	*	0.006	-	(≥
HCM Lane V/C Ratio HCM Control Delay (s)		0		9.3		
HCM Lane V/C Ratio		*				

Intersection		891	Health a	T . V 2/2	HER	Visite.	THE STREET	W 15 20 C	Revision of the same	
Int Delay, s/veh	0.4									
Movement	EBL	EBR	NBL	NBT	SBT	SBR	SILL STATES AND			200
Lane Configurations	N/W			4	1>					
Traffic Vol, veh/h	5	0	0	68	51	4	- 10 2 35	TICK MATERIA		
Future Vol, veh/h	5	0	0	68	51	4				
Conflicting Peds, #/hr	0	0	0	0	0	0	- 1117	. 10,23		
Sign Control	Stop	Stop	Free	Free	Free	Free				
RT Channelized		None	. F.	None	315	None		M SELECTION OF		
Storage Length	0		-	-	-	-				
Veh in Median Storage	e, # 0	- 100	11.5	0	0	I -7				34
Grade, %	0		-	0	0	-				
Peak Hour Factor	78	78	83	83	83	83				
Heavy Vehicles, %	2	2	2	2	2	2				
Mvmt Flow	6	0	0	82	61	5				
Major/Minor	Minor2	AL SH	Major1	18 E 1	Major2	Da Sala	A COPING PROPERTY.		2 15 1 V II	11 103
Conflicting Flow All	146	64	66	0	-	0				
Stage 1	64		811			10.4		V		1111
Stage 2	82	-			- 4	=				
Critical Hdwy	6.42	6.22	4.12				11 - 115	A - 107		
Critical Hdwy Stg 1	5.42		-	-	- 3	-				
Critical Hdwy Stg 2	5.42		100	1 31		L.		N 2011	Service .	7
Follow-up Hdwy	3.518	3.318	2.218			-				
Pot Cap-1 Maneuver	846	1000	1536	AIT S		The state of			To Think	6 0
Stage 1	959	-	-		12	-				
Stage 2	941		4	, i	2		on the same		17.00	E.
Platoon blocked, %					¥	ě				
Mov Cap-1 Maneuver	846	1000	1536				120 1 10	s in the Mind	.545.	- 100
Mov Cap-2 Maneuver	846	-	-	-						
Stage 1	959				C IV	11.55		per la train la		
Stage 2	941	-		-		*				
		11.8				. 4		1 1 A - 1		-Visit
Approach	EB	1000	NB	DOSE	SB	Jacob II	OLISS WES	STORY OF	53 To 1 To 1	IN THE
HCM Control Delay, s	9.3	Al Air	0		0					
HCM LOS	A		v	-						100
		4			200			7 18		
Minor Lane/Major Mvm	it de la	NBL	NRT	EBLn1	SBT	SBR		2/1/2 Windows	No. of Contract	5053
Capacity (veh/h)		1536	INDI I	846	-	ODIN -	To the state of th	THE RESERVE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TW	S 17	10
HCM Lane V/C Ratio		1000		0.008	- T-					
HCM Control Delay (s)		0		9.3	Thomas	NE III		10 10 10	1 -3 (4)	Q
HCM Lane LOS		A	-	9.5 A	-	-				100
HCM 95th %tile Q(veh)		0		0	-	1.8		46 20 20		1
TOTAL GODE TOTAL OCT ACITY	4-1-1	U		U	Part de			WENT !		

Intersection	19,63	F 133		100	No.		Y VIVOL	13/5	3574	Main-	OF IN	410,00		570	W. Line	1 38
Int Delay, s/veh	0.7															
Movement	EBL	EBR	NBL	NBT	SBT	SBR	12/7 18	THE PARTY OF	16	S. Mille	GB OIL		ALL STATES	0.574	178	1000
Lane Configurations	N/F			ર્લ	î											
Traffic Vol, veh/h	8	0	0	60	44	7	MILIE	7 17								
Future Vol, veh/h	8	0	0	60	44	7										
Conflicting Peds, #/hr	0	0	0	0	0	0								O. In		
Sign Control	Stop	Stop	Free	Free	Free	Free										
RT Channelized	-1117	THE RESERVE TO SERVE THE PARTY OF THE PARTY		W1415- mm-	-	2000 11 8						100			51-15	
Storage Length	0		-	150	121	1122112										
Veh in Median Storage			1 2	0	0	- 14		0.7		and the same						
Grade, %	0			0	0	-										
Peak Hour Factor	78	78	83	83	83	83		1113						1		
Heavy Vehicles, %	2	2	2	2	2	2							200			- 14
Mvmt Flow	10	0	0	72	53	8				11112 1	-					
					00	· ·										
Major/Minor	Minor2	1 1 3	Major1	1	//ajor2	W. BK	J S DXW	40,193	15 m.	0	15 to	Total Co.		die in		SU.
Conflicting Flow All	129	57	61	0	2	0										
Stage 1	57	16.		8 1 97				-0.15 (0.1		Land V	-	110	1, 14	"41,		yo
Stage 2	72		-	-												
Critical Hdwy	6.42	6.22	4.12		0.01			1000	- 12-1	4	J. Di	1 1/1	1.7	21.0	-11	
Critical Hdwy Stg 1	5.42	; -		-		-										
Critical Hdwy Stg 2	5.42			100 10					150	55mi						70.0
Follow-up Hdwy	3.518	3.318	2.218			2			27 12.5							
Pot Cap-1 Maneuver	865	1009	1542	7 9 5	A = 2				7 - 20		-	110		-55-74	NI I	
Stage 1	966	_		ĕ	-	- 2										
Stage 2	951	- 0			2	1, 57				7 1						
Platoon blocked, %	001		- S			. 170								21.5		-6-
Mov Cap-1 Maneuver	865	1009	1542		1000			TO STATE	9/20			W				_
Mov Cap-2 Maneuver	865	1003	1042		-								1000			
Stage 1	966		-1-			N 150 F										
	951	·						, and 1				DOM				
Stage 2	951		-	_		-										
		F EV			100											
Approach	EB		NB		SB	E.S.3	in Ales	10000	1	200	19600			201	1	31
HCM Control Delay, s	9.2		0	TE É	0				IME J	-8	. 1				TE I	
HCM LOS	Α															
disert sustitute 11		NO	AID T	TO! .	057	000			-1-3			n 16/1	V == =	بالالا	3 17	
Minor Lane/Major Mym	I	NBL	NBTE		SBT	SBR	7530 Ja	211/1/2	100	SESTE	(ED)		MANA.			t-U
Capacity (veh/h)		1542		865) *	(*)										
HCM Lane V/C Ratio				0.012	9≆8	-										
HCM Control Delay (s)		0	14	9.2				15/15/19								
HCM Lane LOS		Α	-	Α	-											
HCM 95th %tile Q(veh)		0	- 4	0	1.74	100										1 = 0

16						
Intersection		79-18	100	2001	10 70	1000
Int Delay, s/veh	0.3					
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	4			-4	74	
Traffic Vol, veh/h	41	3	0	57	3	0
Future Vol, veh/h	41	3	0	57	3	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized		14.4		None		None
Storage Length	_	-		-	0	-
Veh in Median Storage,	# 0		-	0	0	
Grade, %	0	:4:		0	0	2
Peak Hour Factor	78	78	83	83	78	78
Heavy Vehicles, %	2	2	2	2	2	2
Mymt Flow	53	4	0	69	4	0
MAINT IOM	JJ	4	U	09	4	U
	lajor1		Major2	373	Minor1	1813
Conflicting Flow All	0	0	57	0	124	55
Stage 1	- 1 × 1	-	00.00		55	30.
Stage 2	-		121	-	69	-
Critical Hdwy			4.12		6.42	6.22
Critical Hdwy Stg 1	-	2.5		-	5.42	- U.L.
Critical Hdwy Stg 2	T LOVE T	1			5.42	No.
Follow-up Hdwy			2.218	-	3.518	
Pot Cap-1 Maneuver		170	1547	-	871	1012
Stage 1		1	1047	¥	968	1012
Stage 2			-		954	
Platoon blocked, %		M 10 - 5		- CO 1 - V	904	
	:=1:		1517	÷.	074	1010
Mov Cap-1 Maneuver		-	1547		871	1012
Mov Cap-2 Maneuver	*	•			871	
Stage 1					968	
Stage 2	-		.#		954	
	11.3		" III .	-57		44
Approach	EB	- 18 m	WB	11 72 2	NB	1508
HCM Control Delay, s	0	-	0	-	9.2	
HCM LOS			U		Α.2	
				100		
Marelanaltha	4,176	IDI 4	FDT	TEN	14000	MAIDT
Minor Lane/Major Mvmt	1	IBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)		871			1547	
HCM Lane V/C Ratio		0.004	7:		-	(1 5)
HCM Control Delay (s)		9.2			0	
HCM Lane LOS		Α	-		Α	: ·
HCM 95th %tile Q(veh)		0			0	-

Intersection	101	al 163x	SO IL	770 Els		135
Int Delay, s/veh	0.2					
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	1→			न	W	
Traffic Vol, veh/h	40	1	0	55	2	0
Future Vol, veh/h	40	1	0	55	2	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized					0.00	
Storage Length				-	0	
Veh in Median Storage,				0	0	
Grade, %	0			0	0	
Peak Hour Factor	78	78	83	83	78	78
Heavy Vehicles, %	2	2	2	2	2	2
Mymt Flow	51	1	0	66	3	0
IAIAIIIT I IOAA	31		U	00	J	U
	lajor1		Major2		Minor1	
Conflicting Flow All	0	0	52	0	118	52
Stage 1		1	170	W 150	52	
Stage 2		.=0	-	⊕ ()	66	-
Critical Hdwy			4.12	-	6.42	6.22
Critical Hdwy Stg 1	(#)	5=00	(#3)	(#)	5.42	-
Critical Hdwy Stg 2		1 100		JAN 1	5.42	2 22
Follow-up Hdwy			2.218	127	3.518	3.318
Pot Cap-1 Maneuver			1554	T &	878	1016
Stage 1		-	-		970	-
Stage 2	1 2,7				957	TEN S
Platoon blocked, %					001	
Mov Cap-1 Maneuver	0.0		1554	10 1	878	1016
Mov Cap-2 Maneuver	(#0		1004	-	878	1010
Stage 1	-	115-026			970	
Stage 2	121	_			957	
		151				
Approach	EB	O IMO	WB		NB	200
HCM Control Delay, s	0	W ₂ II	0		9.1	11 1
HCM LOS					Α	
Minor Lane/Major Mymt		IBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	The season					
		878	10.18		1554	
HCM Cantrol Polov (a)		0.003	-	2	-	74
HCM Control Delay (s)	Y P	9.1			0	- (6)
HCM Lane LOS		A			A	1,5
HCM 95th %tile Q(veh)		0			0	

Intersection	1100	100	ENLS:	TAB	10-12	TO WIT	1 5 30	- 15-3	102-17-17	1000	255.15	Wy Hole		1 3	1118
Int Delay, s/veh	1.2														
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	Said Bar	F 118	01100
Lane Configurations	"	†	7	7	^	7		4			4				
Traffic Vol, veh/h	2	285	10	50	255	1	10	1	15	- 1	0	0			
Future Vol, veh/h	2	285	10	50	255	1	10	1	15	1	0	0			
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0	a party and		
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop			
RT Channelized	P .		Yield			None		1000	Yield	7.		Stop	WELL V		
Storage Length	545		165	365	-	0	_	-	-	-		-			
Veh in Median Storage	.# -	0	1,750,000	· **	0			0	9)		0	5.7 (2)			
Grade, %				-	0	-		0		-	0				
Peak Hour Factor	92		92	92	92	92	78	78	78	78	78	78	Water To		
Heavy Vehicles, %	2			2	2	2	2	2	2	2	2	2			
Mvmt Flow	2		11	54	277	1	13	1	19	1	0	0	78 L		
										- 100		0.754			
Major/Minor I	Major1	180	La light	Major2	LV S	TI SOUT	Minor1	100	TO PAGE	Minor2			SI NA	Tell in the	774
Conflicting Flow All	278	0	0	310	0	0	700	700	310	700	699	277			
Stage 1			-	-			314	314		385	385				
Stage 2	-		9	<u>.</u>	-	-	386	386	-	315	314	-			
Critical Hdwy	4.12	0.7	. J.	4.12		2 8 8	7.12	6.52	6.22	7.12	6.52	6.22			
Critical Hdwy Stg 1	-		-	-			6.12	5.52	-	6.12	5.52				
Critical Hdwy Stg 2	, III	1 III		- +	ES.	-	6.12	5.52	le 1 84	6.12	5.52		William of F		
Follow-up Hdwy	2.218			2.218	*	*	3.518		3.318	3.518	4.018	3.318			
Pot Cap-1 Maneuver	1285	-	- E	1250		1 4	354	363	730	354	364	762	West of	100	
Stage 1			- 4	i i i i i i i i i i i i i i i i i i i	-	2	697	656		638	611	TARTER OF			
Stage 2	-		2				637	610	8.74 16	696	656				
Platoon blocked, %		- 4	-	201	-					330					
Mov Cap-1 Maneuver	1285			1250	U.	7	342	347	730	332	348	762		200	
Mov Cap-2 Maneuver	-			-	-	-	342	347	-	332	348	-			
Stage 1				U	۵۷۱۰۵		696	655		637	585			- 12, 1	3,
Stage 2					~	-	609	584		675	655		turey		
	S01 2	N = 17	1950	0,6	151			Z I	2011		-	т" щ.		11113	
Approach	EB	17.16	E pl	WB	1300	STOR	NB	SIBSY		SB		1983	F181 F181 B	while, R	1
HCM Control Delay, s	0.1	AT IB.		1.3	wine:		9.6		5 5	15.9	u - I	1 1 4	ON THE	V William	
HCM LOS							Α	1110	193	С				V	
Minor Lane/Major Mvm		NBLn1	EBL	EBT	EBR	WBL	WBT	MPD	CDI nd	Office of	-	-		Section 1	
									SBLn1	The same	-		STATE OF THE PARTY		100
Capacity (veh/h) HCM Lane V/C Ratio		809	1285	ii jir		1250	D#								
		0.041	0.002			0.043	;(+ :	OT THE RE	0.004		A-1		181		
HCM Control Delay (s)		9.6	7.8	*	- ·	8		-	15.9			11 %			
HCM Lane LOS		A	A	=	-	A		021	C						
HCM 95th %tile Q(veh)		0.1	0			0.1	+ 4		0						

Intersection	40.0	3 51	F-240		30 50	100	1 - 3 4	- 105	ST 25	The Con-	23,00	High St.	
Int Delay, s/veh	1.3												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	utilities in the second
Lane Configurations	ሻ	1	7	ሻ	4	7		4)		4		
Traffic Vol, veh/h	0	310	10	35	295	2	15		50	0	0	2	
Future Vol, veh/h	0	310	10	35	295	2	15	0	50	0	0	2	
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0	
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop	
RT Channelized			Yield	- 504		None			Yield			Stop	
Storage Length	545		165	365		0		_ w			2	/ 🚅	
eh in Median Storage	,# -	0			0	. 11 -		0			0	0.00	
Grade, %		0	-	**	0	- 4		0	-	ê	0	-	
Peak Hour Factor	92	92	92	92	92	92	83	83	83	78	78	78	100
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2	
//vmt Flow	0	337	11	38	321	2	18	0	60	0	0	3	
Major/Minor 1	Vajor1			Major2	No.		Minor1			Minor2		9/2/001	THE STATE OF
Conflicting Flow All	323	0	0	337	0	0	735	736	337	734	734	321	
Stage 1	020	-		337	J		337	337	331	272720	397		
Stage 2		:=0			-		398	399		337	337		The St. Beginning
Critical Hdwy	4.12	WIL Was		4.12		V 102	7.12	6.52	6.22	7.12	6.52	6.22	Action to the
Critical Hdwy Stg 1	3.12	440		7.12	18		6.12	5.52	0.22	6.12	5.52	0.22	
Critical Hdwy Stg 2	1 20	a s					6.12	5.52		6.12	5.52		
ollow-up Hdwy	2.218	-	_	2.218	-	LITE.	3.518	4.018	3.318	3.518	4.018	3.318	
ot Cap-1 Maneuver	1237			1222	-	1	335	346	705	336	347	720	
Stage 1	-			-	-	*	677	641	700	629	603	120	
Stage 2		811	-	V		0.5	628	602	· ·	677	641		
latoon blocked, %		_			4		020	002		011	041		
lov Cap-1 Maneuver	1237			1222			326	335	705	300	336	720	LINIS HINTON
Nov Cap-2 Maneuver		- 2	0.5	1444		-	326	335	103	300	336		
Stage 1		THE STATE	IN PR	2000			677	641	Y.C.	629	584		
Stage 2		-	=	-	3#	.(* :	606	583	(=)	619	641	181	a termination
				11.00	- 1				110			18, 2, 1	
pproach	EB	Willey.	48.4	WB	1 797	MUE !	NB	Barre	ALUK	SB		1017	HO WELL COMPLETE SE
CM Control Delay, s	0		MILE	0.8	W.		9.3	13-	11 o X	10			
ICM LOS	10.53	Ti -	4 85		W LI	W 51 15-4	Α		ur, or	В			SULJE S I ASSES
linor Lane/Major Mvmt	N	IBLn1	EBL	EBT	EBR	WBL	WBT	WBR S	SBLn1		3014	34.13	Marie Co. Sugar III
apacity (veh/h)		917	1237		-	1222		1 1992	720	NE I	TYVI	4 15,	
CM Lane V/C Ratio		0.085		:::		0.031		_	0.004				
CM Control Delay (s)	NY T	9.3	0	-01-		8		0 2 4	10				
CM Lane LOS		Α	A		1-1	A			В				
CM 95th %tile Q(veh)	1 100 0	0.3	0		11 11 11	0.1			0				

Intersection	AT THE	770	goi		W. C.	100		
Int Delay, s/veh	5.7							
Movement	EBL		NBL	NBT	SBT	SBR	THE RESERVE OF THE PARTY OF THE	
Lane Configurations	Y			4	1>			
Traffic Vol, veh/h	12		187		76	9		
Future Vol, veh/h	12	0	187	0	76	9		
Conflicting Peds, #/hr	0	0	0	0	0	0		
Sign Control	Stop	Stop	Free	Free	Free	Free		
RT Channelized	whi is	None		None	, 111-2	None		
Storage Length	0	:≆:		-	120	-		
Veh in Median Storage	e,# 0			0	0	15 1250		
Grade, %	0		-	0	0			
Peak Hour Factor	78			87	83	83		
Heavy Vehicles, %	2			2	2	2		
Mvmt Flow	15	0	215	0	92	11		
Major/Minor	Minor2		Major1	TEN I	Иајог2	STEIN		S. L. Korn
Conflicting Flow All	528		103	0	2	0		
Stage 1	98		-		-			
Stage 2	430			-				
Critical Hdwy	6.42		4.12	-	a a	m /A	THE PART OF THE PA	
Critical Hdwy Stg 1	5.42		-					
Critical Hdwy Stg 2	5.42	•			*		an 1111 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5 700
Follow-up Hdwy	3.518	3.318	2.218	-	-			
Pot Cap-1 Maneuver	511	958	1489	¥		=1 12		
Stage 1	926		(4)	12.7	-	ě		
Stage 2	656				- 8	L.	10 K 1 / 15 / 15 / 15 / 15 / 15 / 15 / 15	
Platoon blocked, %								
Mov Cap-1 Maneuver	437	958	1489		Y	- 4	THE RESERVE OF THE PERSON OF T	1 1
Mov Cap-2 Maneuver	437	-				*		
Stage 1	793	01 1			500 B			
Stage 2	656	-	- 4	12	~	-		
	19.0	7 3 4	300		Turd			
Approach	EB	188	NB		SB		A Company of the Comp	//2 I/2 I/2
HCM Control Delay, s	13.5		7.8		0			leve I
HCM LOS	В		7,0,0					
			10	134		e di divi		
Minor Lane/Major Mvm	nt .	NBL	NBT	EBLn1	SBT	SBR	THE PERSON NAMED IN COLUMN TWO	TA TO
Capacity (veh/h)	18.00	1489		437				5
HCM Lane V/C Ratio		0.144		0.035	-			
HCM Control Delay (s)		7.8	0	13.5		18		
		Α	A	В	2	- 1 1100		
HCM Lane LOS			/ \			_		

Intersection	17723	200	3050		7	131-13
Int Delay, s/veh	0.7					
Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations	**		1100	4	1	ODIT
Traffic Vol, veh/h	16		0	171	65	11
Future Vol, veh/h	16				65	11
Conflicting Peds, #/hr	0			0	0	0
Sign Control	Stop			Free	Free	Free
RT Channelized	Olop		1100			
Storage Length	0	140116		None		
Veh in Median Storage				0	0	187.
Grade, %	0	_		0		
Peak Hour Factor	78	78	87		0	- 00
Heavy Vehicles, %	2			87	83	83
Mvmt Flow	21	2	2	2	2	2
MALITLIOM	21	0	0	197	78	13
Major/Minor I	Minor2	1	Major1	1	Major2	W 1/43
Conflicting Flow All	282	85	91	0		0
Stage 1	85	A INV		1 - 1 -	2	
Stage 2	197	_	_	-	-	2
Critical Hdwy	6.42	6.22	4.12	15 :		- NO.
Critical Hdwy Stg 1	5.42	-			-	
Critical Howy Stg 2	5.42		- Ni		Ta T	
Follow-up Hdwy		3.318	2 218		*	
Pot Cap-1 Maneuver	708	974	1504			- 7 9
Stage 1	938	-	100-			
Stage 2	836			- 2		7/25 1
Platoon blocked, %	000		_	2		15
Mov Cap-1 Maneuver	708	974	1504	- Tal	5	
Mov Cap-1 Maneuver	708	314	1504			ar i tes
Stage 1	938		-	-	-	(#:
		· -	•	-		0.00
Stage 2	836	*	*		-	9≆:
					-, ""	
Approach	EB	Total S	NB	HE B	SB	The Sale
HCM Control Delay, s	10.2		0	1701	0	
HCM LOS	В				,0,	
		5,11	F), 8	73.		
		2150	C. C	The state of the s		
finant and the state of		A11.31	NBTE	BLn1	SBT	SBR
Minor Lane/Major Mvml		NBL	1000			
Capacity (veh/h)		1504	11111	708		
Capacity (veh/h) HCM Lane V/C Ratio		1504	11111	708 0.029		
Capacity (veh/h) HCM Lane V/C Ratio HCM Control Delay (s)		1504	11111	708 0.029 10.2		
Capacity (veh/h) HCM Lane V/C Ratio		1504	11111	708 0.029	2.50	

Intersection			FIRE	3,7 3,	Inc	AL OF
Int Delay, s/veh	0.5			42.440		
	250.000		VIDI	MOT	ODT	000
Movement	EBL		NBL		SBT	SBR
Lane Configurations	W			4	1-	
Traffic Vol, veh/h	9			142	44	6
Future Vol, veh/h	9	0		142	44	6
Conflicting Peds, #/hr		0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized		None		None		None
Storage Length	0	•	-	-		-
Veh in Median Storag	e,# 0	•		0	0	
Grade, %	0	-	-	0	0	7
Peak Hour Factor	78	78	87	87	83	83
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	12	0	0	163	53	7
					1000	
Major/Minor	Minor2	DE VA	Major1		Anie-2	V/10 10
					Najor2	
Conflicting Flow All	220	57	60	0	=	0
Stage 1	57			1 .		100
Stage 2	163				- 7	
Critical Hdwy	6.42	6.22	4.12			
Critical Hdwy Stg 1	5.42		-		-	-
Critical Hdwy Stg 2	5.42	_ II (8)				
Follow-up Hdwy		3.318		~	₩.	-
Pot Cap-1 Maneuver	768	1009	1544		10.12	
Stage 1	966	=	~		9	€
Stage 2	866	4	- 6			
Platoon blocked, %				-		
Mov Cap-1 Maneuver	768	1009	1544	1 ×		
Mov Cap-2 Maneuver	768	-		-		07 4 2
Stage 1	966	1110				
Stage 2	866	-	-	_		
Olugo Z	000		-	- WI	-	_
				7 7	117.27	
Approach	EB		NB		SB	13:5
HCM Control Delay, s	9.8		0		0	- 14
HCM LOS	Α					
		446	nga wij	Ful		
THE PROPERTY OF		MDI	MOTE	"DI 1	COT	000
Minor Lane/Major Mvm	ıt .	NBL	NBT E		SBT	SBR
Minor Lane/Major Mvm Capacity (veh/h)	it	NBL 1544	-	768	SBT -	SBR -
Minor Lane/Major Mvm Capacity (veh/h) HCM Lane V/C Ratio	1123	1544	-	768 0.015		
Minor Lane/Major Mvm Capacity (veh/h) HCM Lane V/C Ratio HCM Control Delay (s)	1123	1544	-	768 0.015 9.8	-	
Minor Lane/Major Mvm Capacity (veh/h) HCM Lane V/C Ratio	100	1544	-	768 0.015	•	15 mg/l

Intersection	315	240 B	7 FV	19-16	ALC: 13	11 -5 19	
Int Delay, s/veh	0,5						
Movement	EBT	EBR	WBL	WBT	NBL	NBR	
Lane Configurations	ĵ»			र्स	*y*		
Traffic Vol, veh/h	38	6	0	134	8	0	
Future Vol, veh/h	38	6	0	134	8	0	
Conflicting Peds, #/hr	0	0	0	0	0	0	
Sign Control	Free	Free	Free	Free	Stop	Stop	
RT Channelized		None			L N H		
Storage Length	::#:			-	0	-	
Veh in Median Storage,	# 0			0	0		
Grade, %	0			0	0	-	
Peak Hour Factor	78	78	87	87	78	78	
Heavy Vehicles, %	2	2	2	2	2	2	
Mvmt Flow	49	8	0	154	10	0	
				101	10		
Major/Minor M	ajor1	1000	Major2	8. 691	Minor1	3 1,73	
Conflicting Flow All	0	0	57	0	207	53	
Stage 1	15 14			Di a	53		
Stage 2		- 2		-	154	2	
Critical Hdwy			4.12	By:	6.42	6.22	
Critical Hdwy Stg 1	-		-		5.42	-	
Critical Hdwy Stg 2	-	All Q	UN 11-	1 2	5.42		
Follow-up Hdwy	-		2.218		3.518		
Pot Cap-1 Maneuver	TES .		1547	Tolk	781	1014	
Stage 1	-		-	_	970	1644	
Stage 2	1115				874		TO SECURE A CONTRACT OF SECURITION OF SECURI
Platoon blocked, %	-	-		-	014		
Mov Cap-1 Maneuver	-	June 25	1547		781	1014	
Mov Cap-2 Maneuver		500	-	-	781	1017	
Stage 1	-		1 12	JEJ J	970	Q.V.	
Stage 2	-	- 151	-	- 10	874	-	
Otage 2	Mil	W.F	100	a mil	0/4	lov E	
Approach	EB		WB	181. F	NB	-	
HCM Control Delay, s	0		0		9.7		
HCM LOS			U	S 8 16-	Α	8.701	
Minor Lane/Major Mvmt	N	IBLn1	EBT	EBR	WBL	WBT	
Capacity (veh/h)		781	-	LDIN -	1547	-	
HCM Lane V/C Ratio		0.013	-		1047		
HCM Control Delay (s)		9.7		-	0		
HCM Lane LOS		9.7 A	_		A		
HCM 95th %tile Q(veh)	105,0	0		70	0		
HOW SOUL WING CHARIL)		U	100 (19)		U		

Conflicting Peds, #hr 0 0 0 0 0 0 0 0 Stop Stop Stop RT Channelized Free Free Free Free Free Free Free Stop Stop None Stop RT Channelized None	Intersection	405		0.51			5-171-4
Lane Configurations	Int Delay, s/veh	0.2					
Traffic Vol, veh/h 35 3 0 130 4 0 Future Vol, veh/h 35 3 0 130 4 0 Conflicting Peds, #/hr 0 0 0 0 0 0 0 Sign Control Free Free Free Free Stop Stop RT Channelized - None - None - None Storage Length 0 0 - Grade, % 0 0 0 0 - Grade, % 0 0 0 0 - Grade, % 0 0 0 0 - Grade, % 1 0 0 0 0 - Grade, % 2 2 2 2 2 2 2 Mvmt Flow 45 4 0 149 5 0 Major/Minor Major1 Major2 Minor1 Conflicting Flow All 0 0 49 0 196 47 Stage 1 47 - Stage 2 149 - Critical Hdwy Stg 1 5.42 - Critical Hdwy Stg 2 5.42 - Critical Hdwy Stg 2 5.42 - Gritical Hdwy Stg 2 5.42 - Gritical Hdwy Stg 2 5.42 - Follow-up Hdwy - 2.218 - 3.518 3.318 Pot Cap-1 Maneuver - 1558 - 793 1022 Stage 1 975 - Stage 2 879 - Platon blocked, % Mov Cap-2 Maneuver - 1558 - 793 1022 Mov Cap-2 Maneuver - 1558 - 793 1022 Mov Cap-2 Maneuver - 1558 - 793 1022 Approach EB WB NB HCM Control Delay, s 0 0 9.6 HCM LOS A - A -	Movement	EBT	EBR	WBL	WBT	NBL	NBR
Traffic Vol, veh/h 35 3 0 130 4 0 Future Vol, veh/h 35 3 0 130 4 0 Conflicting Peds, #/hr 0 0 0 0 0 0 0 0 Conflicting Peds, #/hr 0 0 0 0 0 0 0 0 Sign Control Free Free Free Free Stop Stop RT Channelized - None - None - None Storage Length 0 0 0 Weh in Median Storage, # 0 0 0 0 0 Grade, % 0 0 0 0 0 0 0 0 Grade, % 0 0 0 0 0 0 0 0 Heavy Vehicles, % 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2							
Conflicting Peds, #/hr 0 0 0 0 0 0 0 0 Stop Stop Stop RT Channelized - None - Non		35		0	130		0
Sign Control Free Free Free Free Free Free Stop Stop None RT Channelized - None - - 0 - - 0 - - 0 - - 0 - - - 0 -	Future Vol, veh/h						0
RT Channelized		0					0
Storage Length		Free		Free		Stop	Stop
Veh in Median Storage, # 0 - - 0 0 - Grade, % 0 - - 0 0 - Peak Hour Factor 78 78 87 87 78 Heavy Vehicles, % 2 <td></td> <td></td> <td>None</td> <td>-</td> <td>None</td> <td></td> <td>None</td>			None	-	None		None
Grade, % 0 - - 0 0 - Peak Hour Factor 78 78 87 78 78 Heavy Vehicles, % 2 3 <td></td> <td></td> <td>:=:</td> <td>-</td> <td></td> <td></td> <td>-</td>			:=:	-			-
Peak Hour Factor 78 78 87 78 78 Heavy Vehicles, % 2 3 3 4 7 3 4 7 3 4 7 3 4 7 3 4							-
Heavy Vehicles, % 2 2 2 2 2 2 2 2 2							
Mount Flow 45 4 0 149 5 0 Major/Minor Major1 Major2 Minor1 Conflicting Flow All 0 0 49 0 196 47 Stage 1 - - - 47 - <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>							
Major/Minor Major1 Major2 Minor1							
Conflicting Flow All 0 0 49 0 196 47 Stage 1 - - - 47 - Stage 2 - - - 447 - Critical Hdwy - - 4.12 - 6.42 6.22 Critical Hdwy Stg 1 - - - 5.42 - Critical Hdwy Stg 2 - - - 5.42 - Follow-up Hdwy - - 2.218 - 3.518 3.318 Pot Cap-1 Maneuver - - 1558 - 793 1022 Stage 2 - - - 879 - Place 2 - - 1558 - 793 1022 Mov Cap-1 Maneuver - - 1558 - 793 1022 Mov Cap-2 Maneuver - - - 793 - Stage 1 - - - 975 - Stage 2 - - - 879 - <	Mvmt Flow	45	4	0	149	5	0
Conflicting Flow All 0 0 49 0 196 47 Stage 1 - - - 47 - Stage 2 - - - 149 - Critical Hdwy - - 4.12 - 6.42 6.22 Critical Hdwy Stg 1 - - - 5.42 - Critical Hdwy Stg 2 - - - 5.42 - Follow-up Hdwy - - 2.218 - 3.518 3.318 Pot Cap-1 Maneuver - - 1558 - 793 1022 Stage 2 - - - 879 - Place 2 - - - - - Mov Cap-1 Maneuver - - 1558 - 793 1022 Mov Cap-2 Maneuver - - - 793 - - Stage 1 - - - 975 - - - - - - - - - -							
Conflicting Flow All 0 0 49 0 196 47 Stage 1 - - - 47 - Stage 2 - - - 47 - Critical Hdwy - - 4.12 - 6.42 6.22 Critical Hdwy Stg 1 - - - 5.42 - Critical Hdwy Stg 2 - - - 5.42 - Follow-up Hdwy - - 2.218 - 3.518 3.318 Pot Cap-1 Maneuver - 1558 - 793 1022 Stage 1 - - - 975 - Stage 2 - - - 879 - Mov Cap-1 Maneuver - - 1558 - 793 1022 Mov Cap-2 Maneuver - - - 975 - - 879 - Stage 1 - - - 979 - - 879 - Approach EB WB	Major/Minor Ma	ajor1	Br. wall	Major2	100	Minor1	Ju 8 16
Stage 1 - - - 47 - Stage 2 - - - 149 - Critical Hdwy - - 4.12 - 6.42 6.22 Critical Hdwy Stg 1 - - - 5.42 - Critical Hdwy Stg 2 - - - 5.42 - Follow-up Hdwy - - 2.218 - 3.518 3.318 Pot Cap-1 Maneuver - 1558 - 793 1022 Stage 1 - - - 975 - Stage 2 - - - 93 1022 Mov Cap-1 Maneuver - - 1558 - 793 1022 Mov Cap-2 Maneuver - - - 975 - - Stage 1 - - - 975 - - Stage 2 - - - 879 - Approach EB WB NB HCM LOS A - <							47
Stage 2 - - - 149 - Critical Hdwy - - 4.12 - 6.42 6.22 Critical Hdwy Stg 1 - - - 5.42 - Critical Hdwy Stg 2 - - 5.42 - Follow-up Hdwy - - 2.218 - 3.518 3.318 Pot Cap-1 Maneuver - - 1558 - 793 1022 Stage 1 - - - 975 - - Stage 2 - - - 879 - Mov Cap-1 Maneuver - - 1558 - 793 1022 Mov Cap-2 Maneuver - - - 793 - - - 879 - Stage 1 - - - 975 - - - 879 - - - - - - - - - - - - - - - - - - -							
Critical Hdwy - 4.12 - 6.42 6.22 Critical Hdwy Stg 1 - - - 5.42 - Critical Hdwy Stg 2 - - 5.42 - Follow-up Hdwy - - 2.218 - 3.518 3.318 Pot Cap-1 Maneuver - - 1558 - 793 1022 Stage 1 - - - - - - - Mov Cap-1 Maneuver - - 1558 - 793 1022 Mov Cap-2 Maneuver - - - - 793 - Stage 1 - - - 9.75 - Stage 2 - - - 879 - Approach EB WB NB HCM Control Delay, s 0 0 9.6 HCM LOS A - - - Approach NBL BB WBL WBT Capacity (veh/h) 793 - 1558 -							
Critical Hdwy Stg 1 5.42 - Critical Hdwy Stg 2 5.42 - Follow-up Hdwy - 2.218 - 3.518 3.318 Pot Cap-1 Maneuver - 1558 - 793 1022 Stage 1 975 - Stage 2 879 - Platoon blocked, % Mov Cap-1 Maneuver - 1558 - 793 1022 Mov Cap-2 Maneuver - 1558 - 793 1022 Mov Cap-2 Maneuver 793 - Stage 1 975 - Stage 2 879 - Approach EB WB NB HCM Control Delay, s 0 0 9.6 HCM LOS A Minor Lane/Major Mvmt NBLn1 EBT EBR WBL WBT Capacity (veh/h) 793 - 1558 - HCM Lane V/C Ratio 0.006 HCM Control Delay (s) 9.6 - 0 - HCM Control Delay (s) 9.6 - 0 - HCM Control Delay (s) 9.6 - 0 - HCM LOS A A -							
Critical Hdwy Stg 2 5.42 - Follow-up Hdwy - 2.218 - 3.518 3.318 Pot Cap-1 Maneuver - 1558 - 793 1022 Stage 1 975 - Stage 2 879 - Platoon blocked, % Mov Cap-1 Maneuver - 1558 - 793 1022 Mov Cap-2 Maneuver - 1558 - 793 1022 Mov Cap-2 Maneuver 793 - Stage 1 975 - Stage 2 879 - Approach EB WB NB HCM Control Delay, s 0 0 9.6 HCM LOS A Minor Lane/Major Mvmt NBLn1 EBT EBR WBL WBT Capacity (veh/h) 793 - 1558 - HCM Lane V/C Ratio 0.006 HCM Control Delay (s) 9.6 - 0 - HCM Control Delay (s) 9.6 - 0 - HCM Lane LOS A - A -			:•:				
Follow-up Hdwy - 2.218 - 3.518 3.318 Pot Cap-1 Maneuver - 1558 - 793 1022 Stage 1 975 - 975 - 979 -							
Stage 1		3+0		2.218	*		
Stage 1 - - - 975 - Stage 2 - - - 879 - Platoon blocked, % - - - - Mov Cap-1 Maneuver - - 1558 - 793 1022 Mov Cap-2 Maneuver - - - 793 - Stage 1 - - - 975 - Stage 2 - - - 879 - Approach By NB HCM Control Delay, s O O O O O O O A Minor Lane/Major Mvmt NBLn1 BBT BBR WBL WBT Capacity (veh/h) 793 - 1558 - HCM Lane V/C Ratio O O O HCM Control Delay (s) O O HCM Control Delay (s) O O HCM Lane LOS A A O HCM Lane LOS A O HCM Lane LOS A O O O O O O O O O O O O O		-		minute block by the land	- 89		
Stage 2		125	-		-		
Platoon blocked, %		-	20				
Mov Cap-1 Maneuver 1558 - 793 1022 Mov Cap-2 Maneuver 793 - 7						J. J	
Mov Cap-2 Maneuver		-		1558		793	1022
Stage 1 - - - 975 - Stage 2 - - - 879 - Approach By MB NB HCM Control Delay, s O O O O O O O O O O O O O							2011
Stage 2							
Approach EB WB NB HCM Control Delay, s 0 0 9.6 HCM LOS A Minor Lane/Major Mvmt NBLn1 EBT EBR WBL WBT Capacity (veh/h) 793 - 1558 - HCM Lane V/C Ratio 0.006 HCM Control Delay (s) 9.6 - 0 - HCM Lane LOS A - A -		-			-		
HCM Control Delay, s 0 0 9.6 HCM LOS A Minor Lane/Major Mvmt NBLn1 EBT EBR WBL WBT Capacity (veh/h) 793 - 1558 - HCM Lane V/C Ratio 0.006 HCM Control Delay (s) 9.6 - 0 - HCM Lane LOS A - A -				115	1		
HCM Control Delay, s 0 0 9.6 HCM LOS A Minor Lane/Major Mvmt NBLn1 EBT EBR WBL WBT Capacity (veh/h) 793 - 1558 - HCM Lane V/C Ratio 0.006 HCM Control Delay (s) 9.6 - 0 - HCM Lane LOS A - A -	Annragah	ED	I COMM	MID	0.71.00	NID	
Minor Lane/Major Mvmt NBLn1 EBT EBR WBL WBT Capacity (veh/h) 793 1558 - HCM Lane V/C Ratio 0.006 HCM Control Delay (s) 9.6 - 0 - HCM Lane LOS A - A -					(A - N		- N. W.
Minor Lane/Major Mvmt NBLn1 EBT EBR WBL WBT Capacity (veh/h) 793 1558 - HCM Lane V/C Ratio 0.006 HCM Control Delay (s) 9.6 - 0 - HCM Lane LOS A - A -	HOM COntrol Delay, s	0	Film	0			
Capacity (veh/h) 793 - - 1558 - HCM Lane V/C Ratio 0.006 - - - - HCM Control Delay (s) 9.6 - - 0 - HCM Lane LOS A - - A -	HUM LOS					Α	
Capacity (veh/h) 793 - - 1558 - HCM Lane V/C Ratio 0.006 - - - - HCM Control Delay (s) 9.6 - - 0 - HCM Lane LOS A - - A -			_W W.	THE W		57 1	
HCM Lane V/C Ratio 0.006	Minor Lane/Major Mvmt	١	IBLn1	EBT	EBR	WBL	WBT
HCM Lane V/C Ratio 0.006	Capacity (veh/h)	V0	793		100	1558	
HCM Control Delay (s) 9.6 0 - HCM Lane LOS A A -	HCM Lane V/C Ratio			-	1940		
HCM Lane LOS A A -	HCM Control Delay (s)			2.0		0	
	HCM Lane LOS			2	0.2		
	HCM 95th %tile Q(veh)	7.11					

Intersection		AND MAY	3-17-77	To see the see		7	9 P N	1	2 - 32 3		7 0 -	
Int Delay, s/veh	1.5	5						11.15			12	
Movement	EBI	L EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	1	ነ ተ	. 7	ሻ	^	7		4		a mall	43	
Traffic Vol, veh/h		2 285			255		11		28	1	0	
Future Vol, veh/h	- 2	2 285	12	65	255	1	11		28		0	
Conflicting Peds, #/hr	(0 0	0	0	0	0	0		0			
Sign Control	Free	e Free			Free	Free	Stop		Stop			
RT Channelized						250	-		Yield	O.Op	0.00	
Storage Length	545	5 -	165	365		0			-		-	Olop
Veh in Median Storage		-			0		BULL S		15,70		0	XII
Grade, %		- 0			Õ		*	17.00	-			9 4 5
Peak Hour Factor	92			92	92		78	-	78			78
Heavy Vehicles, %		2 2			2	2	2		2			2
Mvmt Flow	2			71	277	1	14		36	1	0	0
				74107	-27950		10%					
Major/Minor	Major1			Major2		All fixed	Minor1	12 10		Minor2	THOUSE .	STORY
Conflicting Flow All	278	3 0	0	310	0	0	734	734	310	734	733	277
Stage 1		V 112					314	314		419	419	
Stage 2	-				-	-	420	420	-	315	314) - :
Critical Hdwy	4.12	2		4.12			7.12	6.52	6.22	7.12	6.52	6.22
Critical Hdwy Stg 1	100		-	-		_	6.12	5.52		6.12	5.52	J.22
Critical Hdwy Stg 2	1	2: 1			N To	1000	6.12	5.52	1/4	6.12	5.52	
Follow-up Hdwy	2.218	-	-	2.218	_		3.518	4.018	3.318			
Pot Cap-1 Maneuver	1285	-		1250	-	70 72	336	347	730	336	348	762
Stage 1	-			-	-	-	697	656	-	612	590	-
Stage 2		W F J	100	TATE			611	589		696	656	
Platoon blocked, %		-			-		3.1	300		300	300	
Mov Cap-1 Maneuver	1285	. V.	I Total	1250	1		321	327	730	304	327	762
Mov Cap-2 Maneuver						9 .	321	327		304	327	-
Stage 1			11 4				696	655		611	556	
Stage 2		-	-	=	12	-	576	555		659	655	.=
	MILL!		50 5						10.00	AF - III		Su , a
Approach	EB			WB	Sec.	740	NB	COLUMN TO SERVICE	SIT WE	SB	rifs.	NO SEE
HCM Control Delay, s	0.1			1.6			8.6		100	16.9		
HCM LOS							Α			С		
Minor Languages Maior Ma		NIDI -d	COL	FOT	COD	MO	14107	MED	201	Description of the last of the	- 1 -	
Minor Lane/Major Mym		NBLn1	EBL	EBT	EBR	WBL	WBT	WBR S		100		17 15
Capacity (veh/h)		1043	1285			1250	100	X , #	0.00000	s XE		
HCM Lane V/C Ratio			0.002	-		0.057	120	•	0.004			
HCM Control Delay (s)	- 1-9	8.6	7.8		-	8.1	•					4 - 1 -
HCM Lane LOS		Α	Λ		-	Α			C			
HCM 95th %tile Q(veh)		0.2	A 0	_ 35		0.2		-50	0			

Intersection	, (5m)	1377	G UF.		155.00	772.757
Int Delay, s/veh	0.2					
Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations	**			4	1	
Traffic Vol, veh/h	2	0	0	36	69	3
Future Vol, veh/h	2	0	0	36	69	3
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop		Free	Free	Free	Free
RT Channelized	200					
Storage Length	0		74			
Veh in Median Storage	e,# 0			0	0	Dell
Grade, %	0	-		0	0	-
Peak Hour Factor	78	78	78	78	83	83
Heavy Vehicles, %	2	2	2	2	2	2
Mymt Flow	3	0	0	46	83	4
				10		
	Minor2		Major1		Major2	85 F N
Conflicting Flow All	131	85	87	0	14	0
Stage 1	85			20	N 2	
Stage 2	46	-	-	-	<u>#</u>	-
Critical Hdwy	6.42	6.22	4.12		- 15	*
Critical Hdwy Stg 1	5.42		150	-		
Critical Hdwy Stg 2	5.42	-		1 1		
Follow-up Hdwy	3.518	3.318	2.218			
Pot Cap-1 Maneuver	863	974	1509	3	100	
Stage 1	938	100		-		2
Stage 2	976	3 (J./E)				No , 2
Platoon blocked, %				4	-	
Mov Cap-1 Maneuver	863	974	1509			All.
Mov Cap-2 Maneuver	863					
Stage 1	938		14	0	[2]	
Stage 2	976				_	-
Olago L	0,0		W- 8			
Name of the last o						
Approach	EB	The last	NB		SB	div.
HCM Control Delay, s	9.2	10 70	0		0	
HCM LOS	Α					
Minor Lane/Major Mvm	nt	NBL	NBT	BLn1	SBT	SBR
Capacity (veh/h)		1509	-	863	-	-
HCM Lane V/C Ratio		-		0.003	-	
HCM Control Delay (s)		0	8 . F . P	9.2		(4)
HCM Lane LOS		A		Α.	-	
HCM 95th %tile Q(veh)		0		0	- 2	//4
TIOM JOHN MILE CHEN		U		U	III VS	AL 12

Intersection	E JUNE	10712	15.5	300	83 - 16		
Int Delay, s/veh	0.3						
Movement	EBL	EBR	NBL	NBT	SBT	SBR	
Lane Configurations	N/			4	ĵ.		
Traffic Vol, veh/h	3	0	0	33	65	4	
Future Vol, veh/h	3	0	0	33	65	4	
Conflicting Peds, #/hr	0	0	0	0	0	0	2.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Sign Control	Stop	Stop	Free	Free	Free	Free	
RT Channelized		None				None	
Storage Length	0		340	-	-	- 2	
Veh in Median Storage	e, # 0	-		0	0		
Grade, %	0	12		0	0	-	
Peak Hour Factor	78	78	78	78	83	83	
Heavy Vehicles, %	2	2	2	2	2	2	
Mvmt Flow	4	0	0	42	78	5	
Major/Minor	Minor2	Pile	Major1	1	Major2	-	
Conflicting Flow All	123	81	83	0	-	0	
Stage 1	81						
Stage 2	42		-		2	2	Walland II
Critical Hdwy	6.42	6.22	4.12		M à		
Critical Hdwy Stg 1	5.42					-	
Critical Hdwy Stg 2	5.42		2 01			5 .	
Follow-up Hdwy	3.518	3.318	2 218	-		*	
Pot Cap-1 Maneuver	872	979	1514	1 -0	- 2	1514	
Stage 1	942	-	-	_	2	_	
Stage 2	980		41		2		
Platoon blocked, %	000			110	-	-	
Mov Cap-1 Maneuver	872	979	1514			C 3	
Mov Cap-2 Maneuver	872	-	1017	-		-	
Stage 1	942		9 -5	V4175	70 10	9 .	
Stage 2	980	-	-			-	And the state of t
Olage 2	500	100	3 60	. 1, 5		-	
A			UD		00		
Approach	EB	100	NB	4-8-	SB		
HCM Control Delay, s	9.1		0	200	0		
HCM LOS	Α						
Minor Lane/Major Mvm	t	NBL	NBTE	RI n1	SBT	SBR	
Capacity (veh/h)		1514	HOLL	872	-	- ODIN	
HCM Lane V/C Ratio		10.14		0.004			
HCM Control Delay (s)		0		9.1			THE STATE OF THE S
HCM Lane LOS							
		A 0		A	-	-	
HCM 95th %tile Q(veh)		U	B 111-5	0			

Intersection	SINE II		Sight	1,1795	NEW TWO		
Int Delay, s/veh	0.5						
Movement	EBL	EBR	NBL	NBT	SBT	SBR	
Lane Configurations	W			न	1≯		
Traffic Vol, veh/h	5	0	0	28	59	6	THE PROPERTY OF THE PARTY OF TH
Future Vol, veh/h	5	0	0	28	59	6	
Conflicting Peds, #/hr	0	0	0	0	0	0	
Sign Control	Stop	Stop	Free	Free	Free	Free	
RT Channelized	lu nie	None		None		None	
Storage Length	0	-	-	-	-	-	
Veh in Median Storage	e,# 0		. 5	0	0	- 15 -1	
Grade, %	0		-	0	0	-	
Peak Hour Factor	78	78	78	78	83	83	
Heavy Vehicles, %	2	2	2	2	2	2	
Mvmt Flow	6	0	0	36	71	7	Secretary of the second
Major/Minor	Minor2	All too g	Major1	1	Major2	380 E 1	The state of the s
Conflicting Flow All	111	75	78	0	2	0	
Stage 1	75		-	i lia			
Stage 2	36		-		-		
Critical Hdwy	6.42	6.22	4.12		3		
Critical Hdwy Stg 1	5.42			-		-	
Critical Hdwy Stg 2	5.42		· 10 +			1 1	
Follow-up Hdwy	3.518	3.318	2.218	*	÷		
Pot Cap-1 Maneuver	886	986	1520		-	- 12	
Stage 1	948	- 4	-	*	말	-	
Stage 2	986	A Lat		-	1	16	No. of Section 2011
Platoon blocked, %				÷	-		
Mov Cap-1 Maneuver	886	986	1520				
Mov Cap-2 Maneuver	886		-	=	*	\ # :	
Stage 1	948	Die .	1.5.		1		BEET STORES OF STREET STREET
Stage 2	986		-	-		320	
Approach	EB	2 8	NB	1 20-2	SB	270 I S	
HCM Control Delay, s	9.1		0	1 80	0		
HCM LOS	A				3,000		
	mily 18			LIS NI		JE X	
Minor Lane/Major Mvm	t	NBL	NBTE	BLn1	SBT	SBR	
Capacity (veh/h)		1520	-	886	-	-	
HCM Lane V/C Ratio				0.007		796	
HCM Control Delay (s)		0	V. 1/2	9.1	1 20		
HCM Lane LOS		A		Α	-	-	
HCM 95th %tile Q(veh)	1	0		0			

Intersection		200	100	3 13 3	500	
Int Delay, s/veh	0.2					
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	4			र्स	W	
Traffic Vol, veh/h	56	2	0	26	2	
Future Vol, veh/h	56	2	0	26	2	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control RT Channelized	Free	Free	Free	Free		Stop
Storage Length		None	•	None	0	None
Veh in Median Storage				0	0	
Grade, %	0			0	0	-
Peak Hour Factor	83	83	78	78	78	78
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	67	2	0	33	3	0
Major/Minor N	Major1		Major2	Test A	Minor1	and the
Conflicting Flow All	0	0	69	0	101	68
Stage 1		-11	85.	114	68	
Stage 2	:=:		-	*	33	-
Critical Hdwy	/E _#	14 ye	4.12		6.42	6.22
Critical Hdwy Stg 1	(2)	- 12		2	5.42	2
Critical Hdwy Stg 2	-20	HIN.	- 0.040		5.42	-
Follow-up Hdwy			2.218		3.518	
Pot Cap-1 Maneuver Stage 1		H 15.5	1532	X = 2	898 955	995
Stage 2	J (50)			2 7 9	989	-
Platoon blocked, %		-			309	
Mov Cap-1 Maneuver			1532		898	995
Mov Cap-2 Maneuver	-	2	-		898	-
Stage 1	2		-		955	- 18
Stage 2	9	H		÷	989	, <u>*</u>
					Text 1	
Approach	EB	300	WB	8 8 87	NB	34 -45
HCM Control Delay, s	0		0	3 III	9	V
HCM LOS					Ā	
		a Piller		3 -1	- 301	
Minor Lane/Major Mvmt		IBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)		898	LUI	LDI	1532	VVD1
HCM Lane V/C Ratio		0.003		15	1002	- 3
HCM Control Delay (s)		9		N	0	
HCM Lane LOS		Ā	85	8.5	Ā	
HCM 95th %tile Q(veh)		0	100		0	

Intersection	100	11 60	VEDER	717	7123	10 132
Int Delay, s/veh	0.1					
Movement		EDD	M/DI	MOT	MDI	MDD
	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	1>			ર્ન	Y	
Traffic Vol, veh/h	55	1	0	25	1	0
Future Vol, veh/h	55	1	0	25	1	0
Conflicting Peds, #/hr	_ 0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized		None		None		None
Storage Length	-	-	-	-	0	
Veh in Median Storage,	# 0			0	0	
Grade, %	0		-	0	0	-
Peak Hour Factor	83	83	78	78	78	78
Heavy Vehicles, %	2	2	2	2	2	2
Mymt Flow	66	1	0	32	1	0
MATERIAL TOWN	00		U	02		U
	ajor1	1	Major2		Minor1	
Conflicting Flow All	0	0	67	0	99	67
Stage 1					67	
Stage 2					32	-
Critical Hdwy			4.12		6.42	6.22
Critical Hdwy Stg 1		-	Ti 1/2	-	5.42	0.22
Critical Howy Stg 2		;#.)			5.42	
	300	•				
Follow-up Hdwy			2.218	-	3.518	
Pot Cap-1 Maneuver	•	- P	1535	- 2	900	997
Stage 1	150	¥7.	•		956	2
Stage 2	17 38				991	- 67
Platoon blocked, %	•					
Mov Cap-1 Maneuver		/ III ¥	1535		900	997
Mov Cap-2 Maneuver	187		-		900	-
Stage 1	-			114	956	=
Stage 2			_		991	
Jugo 2		-			331	فرال
			n '=	227 13		
Approach	EB	** A	WB	100	NB	1 110
HCM Control Delay, s	0	1000	0		9	
HCM LOS					A	
	LP	Y EU	110			
	12	V-1				
Minor Lane/Major Mvmt	١	IBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)		900	111		1535	
HCM Lane V/C Ratio		0.001	-	-	-	: =:
HCM Control Delay (s)	4.80	9		1	0	
HCM Lane LOS		Α	-	- 2	A	°¥.
HCM 95th %tile Q(veh)		0	700	.700 3	0	
TOTA COULT TOUC OCCUPANT)		U		115	U	, And

Intersection	1881		15 15	WE GUY	7 S.V		5/57/5	- 5.50	W = 11		EVA I	Nave W	W. Carles
Int Delay, s/veh	1.8												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	
Lane Configurations	ሻ	٨	7	ħ	^	7		4			4		
Traffic Vol, veh/h	0	310	12	52	295	2	17		70	0	0	2	2101
Future Vol, veh/h	0	310	12	52	295	2	17	0	70	0	0	2	
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0	1 123
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop	
RT Channelized	-	11 (*)	Yield	-		None	v. Ve	1 7 7 2	Yield		7	Stop	
Storage Length	545	-	165	365	-	0	3		-	7	÷	U S	
Veh in Median Storage,	# -	0	٠	- 81129	0			0	- IN	JAN	0	S. F.	1 kiniskin
Grade, %	-	0		-	0			0	7		0	-	
Peak Hour Factor	92	92	92	92	92	92	83	-	83	78	78	78	
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2	
Mvmt Flow	0	337	13	57	321	2	20	0	84	0	0	3	The same of
Major/Minor N	fajor1	11 13	y = 2 18	Major2	2 15/1	N. vid	Minor1		-5 (19)	Minor2	100-0	Town 1	4-23/28/19
Conflicting Flow All	323	0	0	337	0	0	773	774	337	772	772	321	
Stage 1	NEW						337	337	-	435	435	321	
Stage 2	-		-				436	437	-	337	337	-	
Critical Hdwy	4.12			4.12	7 .	1	7.12	6.52	6.22	7.12	6.52	6.22	I DO HEN
Critical Hdwy Stg 1	3 * 8						6.12	5.52	-	6.12	5.52	-	
Critical Hdwy Stg 2	-	- 7		Y Y .			6.12	5.52	N I II I	6.12	5.52	100	100
	2.218	-		2.218	-	-	3.518	4.018	3.318	3.518	4.018	3.318	
ot Cap-1 Maneuver	1237			1222		- 2	316	329	705	317	330	720	10 75 1
Stage 1	-	-	-	-	<u> </u>	-	677	641	-	600	580	-	
Stage 2	-	-					599	579	10 11-	677	641	11	
Platoon blocked, %		-			₹.	-							
Mov Cap-1 Maneuver	1237	17.36		1222	-	1 - 8	304	314	705	269	314	720	o nitro
Nov Cap-2 Maneuver	-	-	-	*	-	-	304	314		269	314	:-	
Stage 1	301-3	1 -1	A ILLI				677	641		600	553	E 1 2011	- X-1
Stage 2	-	*	-	=	-	-	569	552	-	596	641	- 3	
Backer of you		S							11-18	N. W.		Y	2.381.0
Approach	EB		81 140	WB	1000	Self by	NB	255.87	y Bul	SB		2000	
HCM Control Delay, s	0			1.2		W F	9.7	H		10		10-	11 53-7
ICM LOS	10,0						Α	JY 8Y 1	57	В			
Minor Lane/Major Mvmt	N	IBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	18/40	873 1	76 A.V.	
Capacity (veh/h)	11111	876	1237		771E#1	1222)	720	Just 1	38 2	100	11 11.
ICM Lane V/C Ratio		0.12			(Y # 3	0.046	:=	:=:	0.004				
ICM Control Delay (s)		9.7	0	25 1	_ 126	8.1	11. 12		10	SAP.		100	
HCM Lane LOS		Α	Α	7.0	-	Α			В				
HCM 95th %tile Q(veh)		0.4	0	INT (SE	1 3	0.1			0		-		

Intersection	33.67	31	-		William .	W. 200		
Int Delay, s/veh	0.3							
Movement	EBL	EBR	NBL	NBT	SBT	SBR		
Lane Configurations	M			4	1→			
Traffic Vol, veh/h	4		0	78	60	3		
Future Vol, veh/h	4	0	0	78	60	3		
Conflicting Peds, #/hr	0	0	0	0	0	Ō	The state of the s	
Sign Control	Stop			Free	Free	Free		
RT Channelized	0.00		1100		-			The state of the s
Storage Length	0	-		-	4	110/10		ALMERICAN STREET
Veh in Median Storage		123		0	0		100 100 100 100 100 100 100 100 100 100	
Grade, %	0		-	0	0	-		
Peak Hour Factor	78	78	83	83	78	78		
Heavy Vehicles, %		2						
Mvmt Flow	5		2	2	2	2		
MANTEROM	5	0	0	94	77	4		
Major/Minor I	Minor2		Majort		Anian's			
			Major1		Major2	0		
Conflicting Flow All	173	79	81	0		0		
Stage 1	79	11 3						
Stage 2	94	-	-	7				
Critical Hdwy	6.42	6.22	4.12	7 7 #	-			
Critical Hdwy Stg 1	5.42	- 7		-		+		
Critical Hdwy Stg 2	5.42			Sale				
Follow-up Hdwy	3.518	3.318		-	-	-		
Pot Cap-1 Maneuver	817	981	1517	-		10.00		
Stage 1	944		2	<u></u>	-			
Stage 2	930	+		4 <u>. i</u>			4 F 3 F 4 A	
Platoon blocked, %					=	9.77		
Mov Cap-1 Maneuver	817	981	1517			V=:	U.S. TYLL I'V	
Mov Cap-2 Maneuver	817	-	-	-	-	0940		
Stage 1	944	STILL ST			0 12	-		THE RESERVE OF THE PARTY OF THE
Stage 2	930	_	-	_	-			W 1 1 1 1 1 1 1 1 1
					400	117		
Approach	EB	1 16	NB	J 25 K	SB		NO USE ELEMPTOR SESTION	
HCM Control Delay, s	9.4		0		0	201 - 7250		
HCM LOS	A				•		11 18 18	
	100				11.5	31111	11/20/14/20	State Sales and the state of th
Minor Lane/Major Mvm		NBL	NBTE	BLn1	SBT	SBR	DEREST STREET	
Capacity (veh/h)		1517	-	817				
HCM Lane V/C Ratio		(#)	300	0.006	:=:	343		
HCM Control Delay (s)	iti. '-	0	-	9.4		7.30		
HCM Lane LOS		Ā	:	A				
HCM 95th %tile Q(veh)		0		0		781	-01	
TOTAL GOOD SOURCE (4011)		U		U	- 1	1,00		

Intersection	i U,USI	FIS V	Stype	7.50	della .	1 9/5
Int Delay, s/veh	0.4					
Movement	EBL		NBL	NBT	SBT	SBR
Lane Configurations	7			स	^	
Traffic Vol, veh/h	5		0	73	56	4
Future Vol, veh/h	5		0	73	56	4
Conflicting Peds, #/hr	0			0	0	0
Sign Control	Stop		Free	Free	Free	Free
RT Channelized		None		None	120	None
Storage Length	0	-		•		<u>=</u> 7
Veh in Median Storage		10.7	•	0	0	
Grade, %	0			0	0	-
Peak Hour Factor	78	78	83	83	. 78	78
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	6	0	0	88	72	5
	Minor2		Major1	1	Major2	11.39
Conflicting Flow All	163	75	77	0	- 4	0
Stage 1	75			1 = 4		1 1
Stage 2	88	-			-	-
Critical Hdwy	6.42	6.22	4.12		L.	
Critical Hdwy Stg 1	5.42		-		-	
Critical Hdwy Stg 2	5.42				100	1 34
Follow-up Hdwy		3.318	2.218	-		-
Pot Cap-1 Maneuver	828	986	1522	de e		
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FREMONT COUNTY SKETCH PLAN APPLICATION

1.	Project Name: Royal Gorge Hanch & Hesort
2.	Name: TY SEUFER
	Mailing Address: 4505 W U.S. 50
	Telephone Number: 303-419-6782 Facsimile Number: N/A
	Email Address: tyseufer@gmail.com
3.	Name:
	Mailing Address:
	Telephone Number:Facsimile Number:
	Email Address:
4.	Name:
	Mailing Address:
	Telephone Number: Facsimile Number:
	Email Address:
5.	What is the proposed Subdivision name? Royal Gorge Ranch & Resort
	What is the total acreage of the property? 772 acres
	What is the total number of proposed lots? 152
	What is the proposed average lot size, excluding outlots and roads? Minimum 3 acres
	How many phases of development are proposed with this subdivision? One phase dumpsters, mailboxes, etc.)
	What are the proposed general time frames for development of each phase? One month
	What is the acreage of each proposed phase? Full property
12.	How many different land uses are proposed with this subdivision?1
13.	What type of land uses are proposed with this subdivision?
14.	What is the acreage proposed to be devoted to each land use?
	Residential = 152 acres; Open space = 620 acres;
15.	What is the current land use of the property? Primarily vacant. (2 unoccupied residential buildings w/ valid permits are on-site; 1 active residential home.)
	Will this request be a vacation and replat of an existing subdivision? Yes \(\subseteq \) No \(\subsetex \) Existing
	subdivision name
17.	Does the property currently have improvements (i.e. structures, roads, sewer & water lines, wells,
	septic systems, driveways, irrigation ditches, public utilities, etc)? Yes x No Provide a brief
	description of the improvements, also stating which will be removed and which will stay and which
	will be relocated: Please see Exhibit 17.1

18	Does the property contain natural features, including geologic hazards (i.e. bluffs, cliffs, debris fans,
•	flood plains, dry gulches, drainages, ponds, lakes, streams, oil & gas deposits, mineral deposits, fault
	lines, etc)? Yes x No Provide a brief description of the features and how they effect the proposed subdivision: Please see Exhibit 18.1 for detailed information
	proposed subdivision. Flease see Exhibit 16.1 for detailed information
19.	Does the property contain easements of record or not of record? Yes x No Provide a brief
	description of the easements and how they effect the proposed subdivision:
	Easements of record include power lines, roads, and recreational trails. All details can be seen on the
	included plat. (See Exhibit 35 for plat details and easement locations)
20.	What is the potable water source for the proposed subdivision? Wells - see Exhibit 20.1
	What is the sewage disposal source for the proposed subdivision? Septic
22.	What is the physical access for the proposed subdivision? Fremont County Road 3A (main access) See Exhibit 2 County Road 61 (secondary/emergency access)
23.	Does the property currently have irrigation rights? Yes No x Is the property traversed by an
	irrigation ditch, easement or right-of-way? Yes No x
	The name of the irrigation company is: N/A
	Will irrigation rights be retained with the property? Yes No x
4.	Is the property located within a Fire Protection District? Yes X No Please see Exhibit 24.1
	Provide a statement evaluating the potential wildfire hazard as related to the proposed land use,
	explaining what the hazard is or why it does not exist: Please see Exhibit 25.1 for wildfire analysis.
	Note that propane use will be banned in the subdivision (all units will be run on electricity), open fires will be
	banned, and wildfire mitigation will be required on each lot.
6.	Provide a statement evaluating the potential radiation hazard as related to the proposed land use,
	explaining what the hazard is or why it does not exist: There is not believed to be an unusual hazard
	from naturally occurring sources of radioactivity at the site. Please see Exhibit 26.1 for detailed information.
7.	Provide a statement evaluating the potential wildlife impacts as related to the proposed future land
	use: The Royal Gorge Ranch & Resort will be a gated community with minimal ecological impact,
	with no hunting allowed and no trespassing. There will be very minimal impact to any native wildlife
	- please see Exhibit 27.1.1 and the full draft of HOA Covenants at Appendix I.
8.	What is the existing zoning of the property? R3 + RHB. Please see Exhibit 28.1
	What is the proposed zoning of the property? R1 - We are happy to submit a Zone Change application when requested/appl
0.	Will all proposed lots conform to the minimum zoning standards required in the proposed zone district
	(i.e. size, width, etc)? Yes No X
	Will all design standards of the Fremont County Subdivision Regulations, Appendix I and II be met by
1	this proposal? Yes No x If no, a list of requested waivers shall be attached, noting design
:	standards from Appendix I and II, and the proposals made by this application, and be marked as
	Exhibit 31.1.

32. Based on the real estate records of the county, which include the records of the County Assessor, and "requests for notification" filed by a mineral estate owner in the records of the County Clerk and Recorder, have the mineral interests of the subject property been severed? Yes 🗵 No 🗌 If yes, name of mineral interest owner VanBuskirk (deceased) and Tabuteau
As per the FCSR Section IV., C., 14., a notice of the proposed subdivision shall be sent (certified mail return receipt requested) to the severed mineral interest owner(s) not less than thirty (30) days before the date of the Commission meeting at which the application is anticipated to be heard. See Subdivision – Mineral Interest Owner Notification Form. Evidence of said notice and mail receipt shall be attached to this application marked as Exhibit 32.1. X An exhibit has been attached.
33. Information describing topographic and soils conditions of the total property, sufficient to show the usability of the lots proposed, shall be provided with this application, and be marked as Exhibit 33.1. X An exhibit has been attached.
34. A copy of the most current deed of record is attached to this application, marked as Exhibit 34.1, and can be found recorded in the Fremont County Clerk and Recorder's Office as follows: In Book at Page and under Reception Number 966504 X An exhibit has been attached.
34. A copy of the Sketch Plan drawing shall be attached indicating, by dimension, the size and location of all improvements (i.e. roadways, rights-of-way, driveways, sewer lines, water lines, wells, septic systems, irrigation ditches, buildings, structures, public utilities, etc.) natural physical features (i.e. bluffs, cliffs, debris fans, flood plains, watercourses, lakes, live streams, dry gulches, drainages, oil - gas & mineral deposits, soil type boundaries, etc.) and easements labeled to use (all easements and rights-of-way). More than one (1) copy can be used.
35. A minimum of three (3) full size copies and three (3) reduced copies of a Sketch Plan drawing, drawn in accordance with Section IV., B. and C. of the Fremont County Subdivision Regulations shall accompany this submittal.
All questions must be answered and all attachments must be included in this submittal packet or the submittal will not be accepted for review or placement on the Fremont County Planning Commission agenda.
By signing this Application, the Applicant, or the agent/representative acting with due authorization on behalf of the Applicant, hereby certifies that all information contained in the

application and any attachments to the Application, is true and correct to the best of Applicant's knowledge and belief.

Applicant understands that any required private or public improvements imposed as a contingency for approval of the application may be required as a part of the approval process.

Fremont County hereby advises Applicant that if any material information contained herein is determined to be misleading, inaccurate or false, the Board of Commissioners may take any and all reasonable and appropriate steps to declare actions of the Board regarding the Application to be null and void.

Signing this Application is a declaration by the Applicant to conform to all plans, drawings, and commitments submitted with or contained within this Application, provided that the same is in conformance with the Fremont County Zoning Resolution.

Applicant Printed Name	Signature	Date
Ty Seufer		October 01, 2025
Owner Printed Name	Signature	Date

DEVELOPMENT REPORT

FOR

ROYAL GORGE RANCH & RESORT

OCTOBER 2025

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Executive Summary

The Royal Gorge Ranch & Resort Planned Unit Development (PUD) proposes a 152-lot residential community emphasizing low-density living, natural open space preservation, and sustainable infrastructure. The project is located at 1337 County Road 3a, Canon City, Colorado, and includes approximately 772 acres.

The goal of this Development Report is to demonstrate full and willing compliance with Fremont County's Zoning Resolution, Subdivision Regulations, and 2015 Master Plan.

Specifically, this Development Report will address project goals, site features, soil and geological conditions, water supply and sanitation, environmental resource preservation, storm drainage, fire control, and infrastructure requirements.

Key features of the development include:

- 152 individual lots with a minimum acreage of at least 3 acres;
- Over 620 acres of preserved open space and recreational amenities achieved through enforceable HOA covenants that limit the construction envelope to a maximum of one acre per lot;
- Individual wells and septic systems with cisterns for potable water reliability;
- Installation of fire cisterns and wildfire mitigation strategies;
- Private road system designed to County standards and maintained by the HOA;
- Protection of wildlife corridors and critical habitat areas.

Through thoughtful planning and careful compliance with County regulations, Royal Gorge Ranch & Resort is designed to enhance Fremont County's rural character, and provide an economic boost through sustainable outdoor recreation and long-term residential investments, while providing a high-quality living environment for future residents.

1. Introduction

Royal Gorge Ranch & Resort proposes a 152-lot Residential Planned Unit Development (RPUD) located at 1337 County Road 3a, Cañon City, CO 81212.

- Existing Zoning: Residential Three (R3) and Rural Highway Business (RHB)
- Proposed Zoning: Residential One (R1)
- **Purpose:** Establish a low-density, legitimately eco-friendly residential community with ample open space, recreation amenities, and conservation areas, consistent with Fremont County's Master Plan goals.

2. Property Features

Key Takeaways:

- Mountains, Rolling hills, cliffs, bluffs, dry gulches, and native vegetation identified
- Significant natural features mapped on Sketch Plan, meeting requirements of Subdivision Regulations Section IV(E)02.
- 620 acres of dedicated open space, legally enforced by the HOA, preserves critical natural habitat.

Further Description:

- 1. Rugged Terrain. The property features significant elevation changes and natural contours that are consistent with mountain landscapes
- 2. Natural Beauty. The site offers stunning views of the surrounding mountains and the Royal Gorge, making it an ideal space for lot owners to appreciate the natural features and terrain from the comfort of their own homes
- 3. Environmental Sensitivity. The development plan prioritizes the preservation of natural features, including 620 acres of open space, which aligns with the intent of minimizing environmental impact. By having a low density of homes, and no commercial activity, our community will produce a negligible amount of light pollution. Thus, our PUD will contribute to such environmental causes as Dark Sky communities.

3. PUD Project Goals

Our proposed PUD project includes the following measures to ensure the retention of natural resources and environmental integrity:

- Open Space Preservation Approximately 620 acres of open space will be permanently preserved, protecting wildlife habitats, native vegetation, and scenic views
- 2. Sustainable Land Management The project incorporates sustainable practices, such as water conservation, energy-efficient homes, and low-impact infrastructure, to minimize disruption to the natural landscape

Economic and Community Benefits

Our PUD offers significant benefits to Fremont County, including:

- 1. Economic Growth. The Royal Gorge Ranch & Resort will attract recreational enthusiasts and support local businesses, while also encouraging new community members to call Fremont County "home."
- 2. Recreational Opportunities. Our PUD includes world-class amenities such as hiking trails, climbing routes, and outdoor recreation areas, enhancing the quality of life for residents and visitors.
- 3. Sustainable Living. We envision our project serving as a model for sustainable development, aligning with the county's long-term goals for environmental conservation and responsible growth.

Fremont County is Our Home

The Royal Gorge Ranch & Resort team has a proven track record of successful business operations in Fremont County, including outdoor recreation businesses that have balanced environmental preservation with community needs.

Ty Seufer, property owner and Royal Gorge Ranch & Resort visionary, is a true Canon City native – from his first days in kindergarten, through completing high school in the city, all the way to the modern- day where he has made his home and raised his children right here in Canon City, Colorado.

Ty's passion for his community and for access to outdoor recreation is genuine and true. He is committed to following the specifications of the PUD process and delivering a project that meets the highest standards of quality and compliance.

4. Soil and Geologic Characteristics

- A revised Geologic Hazard, Mineral, and Resource Report has been prepared (see Exhibit 18.1)
- Soil types are predominantly sandy loam and fractured sandstone.
- Site-specific mitigation measures (e.g., foundation designs) will comply with Fremont County Subdivision Regulations, Appendix I, Sections D and E.

5. Water Supply and Sanitation Systems

- Water source: Individual on-site wells, supplemented by 500-gallon cisterns. Individual wells will be the responsibility of each lot owner.
- Water Resource Report (BBA Water Consultants) evaluated under Fremont County's 1041 Regulations (see Exhibit 20.1)

 Sanitation: Individual septic systems per lot; designed per Fremont County Subdivision Regulations, Appendix I, Section C.

6. Radiation Hazards

- No known uranium or radioactive mineral occurrences see the Geologic Hazard,
 Mineral, and Resource Report (Exhibit 18.1)
- Baseline radon screening will be conducted prior to issuance of building permits.
- Complies with Subdivision Regulations, Appendix I, Section G.

7. Environmental Resources and Mitigation

- Open space designed per Master Plan Chapter 4, Category K (Open Space & Recreation)
- Wildlife corridors preserved and integrated with trail systems.
- Vegetative buffer zones to be maintained along drainageways and ridgelines
- Wildfire mitigation plan required and being prepared

8. Storm Drainage and Flood Control

- Drainage plan under development following standards of Appendix I, Section F of the Subdivision Regulations .
- Natural swales and dry gulches maintained wherever possible.

9. Fire Control

- · Fire cisterns installed on four entryway access points of property.
- Defensible space standards enforced for all residential lots per Wildfire Hazard Mitigation Guidelines
- Emergency access roads designed with minimum 20-foot width.
- Please see Exhibits 24.1.1-24.1.3 for further documentation.

10. Road Improvements

Roads to be privately maintained by HOA

- Design standards met or requested waived per Subdivision Regulations Section IV(D) and Appendix II.
- Street names assigned per County specifications

11. Available Service Facilities

- Electric: Black Hills Energy. All lots already have access to electricity via the Black Hills Energy infrastructure running throughout the greater property.
- Emergency Services: Fremont County Sheriff's Office, local fire protection districts

12. Remedial Measures for Hazards

- Slope stabilization measures for construction on steep lots.
- Erosion control best practices (e.g., silt fencing, reseeding disturbed areas) during and after development .
- Passive radon mitigation techniques incorporated in residential construction if necessary.

13. Estimated Costs, Financing, and Construction Schedule

- Road and utility infrastructure: 100% completed, \$0 remaining.
- Financing: Future maintenance funded through HOA dues.
- Construction Phasing: Anticipated one (1) month remaining, from date of approval.

Funding and Maintenance Summary

I. Funding Structure

The HOA will be funded through mandatory annual assessments levied against all lot owners.

- Each residential lot within the Royal Gorge Ranch & Resort subdivision will be subject to mandatory annual assessments.
- Annual assessments will fund:
 - Private road maintenance and snow removal
 - o Fire suppression infrastructure maintenance (e.g., community cisterns)
 - Stormwater facilities maintenance
 - o Open space and recreational amenity maintenance
 - o Insurance, legal, and administrative costs
- A reserve fund will be established for future major repairs and replacements.

- The Developer will make an **initial contribution** to the reserve fund to provide financial stability prior to turnover of HOA operations to lot owners.
- Special assessments may be levied, subject to owner vote, in the event of unexpected major repairs or emergencies.

II. Construction Responsibilities

- The Developer has already constructed all private roads, drainage infrastructure, and fire suppression improvements (cisterns), and electrical infrastructure.
- Any additional improvements will be built exactly to County-approved engineering standards.
- The Developer will fund initial construction without reliance on HOA assessments.

III. Maintenance Responsibilities Following turnover of HOA control to the lot owners:

- The HOA will be solely responsible for:
 - Private road maintenance (including snow removal and resurfacing)
 - o Fire cistern and fire mitigation infrastructure upkeep
 - o Stormwater drainage systems and detention structures
 - Maintenance and preservation of open spaces and recreational amenities
 - o Administration and general community upkeep

IV. Lot Owner Obligations

- Lot owners will be responsible for:
 - Timely payment of HOA assessments
 - o Compliance with defensible space and wildfire mitigation standards
 - o Adherence to all recorded guidelines
 - Participation in governance through voting rights in the HOA

For further details, please see the HOA Declaration of Covenants (Appendix I).

14. Maintenance and Performance Guarantees

- HOA responsible for road, out lot, open space, trails, and cistern maintenance
- Trash collection, gate maintenance, security, and general property cleanup will be responsibility of the HOA.
- The HOA's enforceable 1-acre usable restriction per lot ensures 81.3% of the property remains permanently undeveloped – exceeding the County's 75% requirement and providing superior conservation outcomes compared to other PUD precedents

To further strengthen and provide additional documentation in support of our project proposal, a **Funding and Maintenance Summary** has been prepared below to outline the HOA's financial structure, infrastructure maintenance obligations, and lot owner responsibilities associated with the Royal Gorge Ranch & Resort project. For full details, please see the **HOA covenants draft at Appendix I.**

15. PUD Standards Compliance Per Subdivision Regulations of Fremont County

15.1 Section (C) Standards For Approval

Per Section XXII(C) ("Standards for Approval" under "Planned Unit Developments" of the Subdivision Regulations of Fremont County), please find below detailed explanations of how the Royal Gorge Ranch & Resort project complies with numbers 1-5.

For reference, text copied from Section XXII of the Fremont County Subdivision Regulations:

- C. STANDARDS FOR APPROVAL: A P.U.D. may include variations in lot area, lot width, yard and building height requirements and off-street parking provisions if the following features exist:
- 1. The tract or parcel of land involved is either in one ownership or the subject of an application filed jointly by the owners of all property included.
- 2. The development includes common open space preserved in its natural character for public and/or private use and enjoyment. A homeowner's or other association must be established to perpetually maintain the open space for the mutual benefit of the owners or residents of the P.U.D. The ownership of the Common Open Space will be determined by the Board on a case by case basis, depending upon the perceived community benefit. The provision of recreation opportunities, landscaping, preservation and/or enhancement of natural features, view corridors and environmentally sensitive areas are some of the goals for the common open space.
- 3. The project is designed to provide variety and diversity, so that maximum long-range benefit may be gained and the unique features of the development or site preserved and enhanced.
- 4. The project is in harmony with the surrounding neighborhood.
- 5. The overall density of the P.U.D. does not exceed the normal requirements of the zoning district in which the P.U.D. is located.

15.1.1 Unified Ownership

 The entire project area is under the ownership and control of Ty Seufer. The Sketch Plan PUD application has been filed by the sole owner, satisfying the requirement for unified ownership.

15.1.2 Common Open Space with Perpetual Maintenance

- Over 620 acres of natural open space are preserved within the PUD layout.
- A Homeowners' Association (HOA) will be established and documented through covenants and declarations to perpetually maintain these open spaces for the mutual benefit of all property owners.

 The open space includes preserved wildlife corridors, recreational amenities such as trails and climbing areas, scenic view protection, and protection of natural drainage features.

15.1.3 Variety, Diversity, and Preservation of Unique Features

- The project layout offers a variety of lot sizes and building sites while protecting and enhancing natural features such as bluffs, dry gulches, native vegetation, and significant viewsheds.
- Recreational amenities including mountain bike trails, a climbing area, and fitness nodes are incorporated to diversify community offerings while respecting and preserving the natural terrain.

15.1.4 Harmony with Surrounding Neighborhood

- The project is surrounded primarily by large-lot rural residential and open land uses.
- Proposed lot sizes (minimum of 3 acres) and preservation of open space are compatible with the existing rural, mountainous character of the land.
- No significant visual, traffic, or utility service impacts are expected to adjoining properties.
- Should a list of neighboring property owners and mailing addresses be required at a further date, here we are providing a current list as of September 2025:
 - Starting clockwise from Top Left of property map (see below image; screenshot taken September 2025 from fremontgis.com)

Northernmost section:

- Tollis Gene P & Loretta M (424 W Player Dr, Pueblo, Co, 810071839) (Zone designation R1)
- Vander Putten Paul J (185 County Road 365a, Canon City, Co, 812129734) (Zone Designation R1)
- Fun Country LLC (P O Box 528, Canon City, Co, 812150528) (Zone Designation TTP_CG)
- Cooper F Allen (1502 Park Ave, Canon City, Co, 812124337) (Zone Designation R1)

North-eastern section:

- Boysen Dale A & Donna (P O Box 1262, Canon City, Co, 812151262) (Zone Designation RHB)
- Pedretti Robert (15398 Eagle Ridge Rd, Ferryville, Wi, 546288170) (Zone Designation R2)
- Harmon Stanley G & Stacia L (12928 Champlain Dr, Manassas, Va, 201125552)
 (Zone Designation R2)
- Royal Gorge Buckaroos Llc (P O Box 549, Canon City, Co, 812150549 (Zone Designation R2)
- Royal Gorge Company Of Colorado (P O Box 549, Canon City, Co, 812120549) (Zone Designation R2)

Easternmost section:

- Tezak Melodi L (P O Box 110, Coaldale, Co, 812220110) (Zone Designation R2)
- Royal Gorge Buckaroos LLC (P O Box 549, Canon City, Co, 812150549) (Zone Designation R3)

Southern section

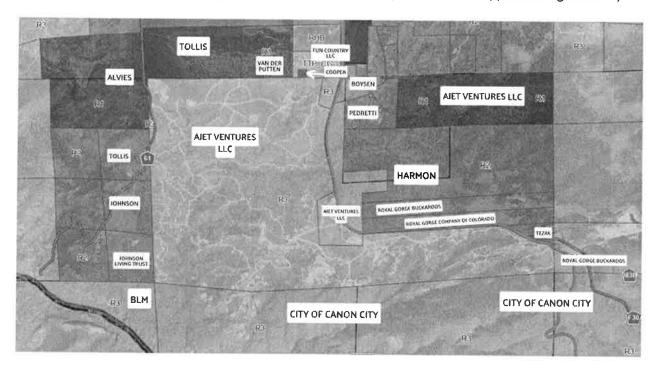
City Of Canon City (P O Box 1460, Canon City, Co, 812151460) (Zone Designation R3)

Southwestern corner:

BLM (3028 E Main St, Canon City, Co, 812122731) (Zone Designation R3)

Western section:

- Johnson Living Trust (P O Box 1038, Canon City, Co, 812151038) (Zone Designation R2)
- Johnson Alan L & Lee A (1434 Fre Co Rd 61, Canon City, Co, 812129783) (Zone Designation R2)
- Tollis Ernie P & Donna L (1111 County Road 61, Canon City, Co, 812129703) (Zone Designation R2)
- Alvies Diane R (465 Co Rd 61, Canon City, Co, 812129764) (Zone Designation R1)



15.1.5 Density Compliance

- The overall density proposed (152 lots) does not exceed the allowable density of the underlying Residential One (R1) zoning district under Planned Unit Developments (1 lot per minimum lot size of 3 acres).
- The Sketch Plan reflects compliance by maintaining appropriate lot sizes and distributing development in a manner consistent with zoning limitations.
- Screenshot for reference from the Fremont County Zoning Resolution (Dated Nov. 2024, page 104):

Section 4.17 PLANNED UNIT DEVELOPMENTS (PUD)

To promote more efficient use of land to preserve and enhance the natural characteristics and unique features of a development; to improve the design, character, and quality of new development; to encourage integrated planning to achieve the objectives of the Fremont County Master Plan; to preserve open areas; to facilitate the adequate and economical provision of streets and utilities, and to reduce the burden on existing streets and utilities by more efficient development; and to conserve the value of land.

Minimum Lot Size/Area	Minimum Lot Width	Set Back Re Principal/A	equirements accessory	Max Building	Maximum Lot	
		Front	Side	Rear	Height	Coverage
3 Acres	Per Underlying Zone District	Per Underlying Zone District	Per Underlying Zone District	Per Underlying Zone District	Per Underlying Zone District	Varies

		All Uses		
Use	Definition	Requirements	Parking	Special Requirements

Uses by right, commercial development plans, conditional uses, and special review uses of the zone districts associated with the Zone Districts of the PUD.

15.2 Section (E) Sketch Plan Submittal

Per Section XXII(E) ("Sketch Plan Submittal" under "Planned Unit Developments" of the Subdivision Regulations of Fremont County), please find below detailed explanations of how the Royal Gorge Ranch & Resort project complies with numbers 1-6.

15.2.1 – Description of the Type of Development and Surrounding Land Uses

Royal Gorge Ranch & Resort is a mountainous residential Planned Unit Development with spaced-out homesites (lots) and small amenities designed to fit the natural terrain.

Surrounding land uses include established commercial recreation businesses such as the KOA and other visitor-serving enterprises, the Royal Gorge Bridge & Park nearby, and extensive BLM open space and Canon-City-owned rural large-lot lands that provide a low-intensity backdrop.

15.2.2 Accessibility of the Site

All residential lots within the Royal Gorge Ranch & Resort PUD will be accessed exclusively via the five designated entry points along Fremont County Road 3A. These five access points are the only approved means of ingress and egress for RGRR residents, guests, and service providers.

The existing gravel county road located along the far western edge of the property will not be used for any regular access and is reserved solely for emergency access.

This access plan is consistent with Fremont County Subdivision Regulations regarding controlled lot access and safety standards.

15.2.3 Density of the Development

Our Royal Gorge Ranch & Resort PUD consists of 772 total acres, with only 152 lots (each lot with a minimum of 3 acres each). Therefore, 152 lots into 772 acres comes out to a **development density of just 0.196 units per acre.**

15.2.4 General Statement of Expected Financing

Please see <u>Section 12</u> above, for a detailed look at expected costs, financing, and construction schedule (including a funding & maintenance summary).

15.2.5 General Locations

The proposed Royal Gorge Ranch & Resort PUD is located 1mile off Highway 50, immediately adjacent to the Royal Gorge Bridge & recreation area. For a complete legal description of our land parcel: please see pages 2-3 of the General Warranty Deed in this application (Exhibit 34.1).

15.2.6 Area of Ground Coverage

On each minimum 3-acre lot (130,680 sq ft minimum), total building coverage is capped at under 3,000 sq ft (e.g., up to two 608-sq-ft structures plus a bike garage up to 500 sq. ft), which is just under **2.3**% per lot – leaving roughly **97.7**% of each lot undeveloped/open.

16. PUD Approval Criteria

Per the Fremont County Zoning Resolution, adopted November 2024, Section 6.23 "Approval Criteria," sub-section (c) "Planned Unit Developments," please see below a Compliance Summary table we have prepared.

Our goal with this table is to clearly demonstrate our willing compliance with the Zoning Regulations. Should any of our explanations be unclear, we'd be happy to clarify further upon request.

PUD Approval Criteria (FCZR \u00a76.23(c))	Compliance Summary	Reference Section
zoning and subdivision	Ulmensional Standards Under PUID	Sketch Plan PUD Drawings

	for lot size, frontage, open space, and access have been satisfied.	
(2) Protects common open space with HOA covenants	Spaces totaling approximately 620 acres are reserved as permanent open space, protected by covenants through the Royal Gorge Ranch & Resort HOA.	Appendix I
(3) Compatible with surrounding area	The proposed 3-acre minimum lot sizes and subsequent 0.196 unit density, maintain rural character and preserve scenic views, matching existing development patterns in the surrounding vicinity.	This <u>Development</u> Report; Harmony Within Surrounding Area
(4) In accordance with Fremont County Master Plan	The project supports the Master Plan's goals for preserving rural character, protecting open space, and promoting managed growth near existing transportation corridors.	This Development Report
(5) Will not result in over-intensive land use	Low density (3-acre minimum lots, 0.196 unit density) ensures land use intensity remains appropriate per the PUD requirements.	This <u>Development</u> Report; <u>Density of the</u> <u>Development</u>
(6) No material adverse effect on community capital improvement programs	Roads, drainage, and open space will be privately owned and maintained by the HOA, minimizing burden on County infrastructure.	*
(7) Will not require a greater level of community facilities and services	Development will provide its own internal water storage (cisterns), on-lot septic, and private road maintenance through HOA. No new County facilities are required.	
(8) Will not result in undue traffic congestion or traffic hazards	The project provides adequate access to U.S. Highway 50 via multiple private roadway connections. Traffic generation is minimal due to low density.	Appendix II – Roadway Impact Form
(9) Will not cause significant air, water, or noise pollution	Low residential densities, eco-friendly structures, natural buffers, and wildfire mitigation measures ensure no significant pollution impacts.	_

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(10) Adequately landscaped, buffered, and screened	Existing natural topography, vegetation, and large lot sizes provide substantial natural screening between lots and from public viewpoints.	
(11) Not detrimental to health, safety, or welfare	Fire mitigation, adequate water storage for fire suppression, and strict building standards ensure protection of future residents and neighbors.	Fire Protection District Documentation, Wildfire Hazard Review, Radiation
(12) Unified development control	Entire development will be governed by a single HOA responsible for maintaining roads, infrastructure, and common spaces.	Appendix I – HOA Covenants
(13) Maximum preservation of natural or cultural features	Significant geological, visual, and environmental features are preserved through over 80% open space designation and thoughtful lot layout avoiding sensitive areas.	
(14) Maximum preservation and utilization of agricultural lands	The site has limited historic agricultural use. Suitable open areas will be maintained for low-impact recreational or passive uses.	
(15) No significant negative impacts on surrounding agricultural land	Large buffer lots and open spaces separate the project from any adjacent agricultural uses, minimizing interface conflicts.	
(16) Board may impose conditions to ensure compliance	Applicant agrees to reasonable conditions to ensure full compliance with PUD approval standards.	
(17) Written consent of all landowners	Application already bears signatures and consent of sole property owner involved in the project.	
(18) Concurrent Development Agreement if needed	Applicant is willing to execute a Development Agreement concurrent with final PUD approval if required by the County.	

17. Land Use Summary Table

We'd like the opportunity to provide a Land Use Summary Table that includes the acreage and square footages devoted to each proposed land use, including ownership/maintenance responsibilities.

Qty. Acres	Total Percentage	Land Use	Ownership/Maintenance
620	82.4%	Open space	НОА
152	19.6%	Residential Use/Development	Individual Future Lot Owners
TBD	TBD	Roadways	НОА
TBD	TBD	Trails & Recreation (included within "Open Space" designation above)	НОА

18. Project Team

• Applicant: Ty Seufer

Surveyor: Matt Koch, Cornerstone Land Surveying, LLC

• Water Consultant: BBA Water Consultants, Inc.

19. Conclusion

The Royal Gorge Ranch & Resort PUD is committed to complying with and upholding the Fremont County Subdivision Regulations, the Fremont County Zoning Resolution adopted November 2024, and the Fremont County 2015 Master Plan goals.

Our project protects natural resources, provides sustainable infrastructure, and supports rural residential living consistent with the County's long-term vision. Approval of this Sketch Plan PUD will ensure responsible, phased growth aligned with Fremont County priorities, and we look forward to collaborating on this epic project together.

Thank you for your consideration!

Exhibit 17.1 – Improvements

#17: Does the property currently have improvements? Yes.

Provide a brief description of the improvements, also stating which will be removed and which will stay and which will be relocated:

This Exhibit 17.1 lists all existing improvements within the Royal Gorge Ranch & Resort PUD boundary, identified using Fremont County permitting titles and shown with a simple status. No removals or relocations are proposed at the Sketch Plan stage; all items are **Existing – To Remain** unless otherwise noted.

Category	Facility Type / Improvement	Permitting Title Used	Permit/ Approval No.	Status	Notes / Location
Access & Infrastructure	Gated Entry (CR 3A) – 5 total	Access / Gate (existing)		Existing – To Remain	Primary entrances on County Road 3A
Access & Infrastructure	Emergency Access Gate (CR 61) – 2 total	Access / Gate (existing)		– To	Emergency access only on County Road 61
Access & Infrastructure	Parking Lot – 3 total	Parking Area (existing)		Existing – To Remain	Near main entrance
Access & Infrastructure	Septic System	On-site Wastewater Treatment System	S22-085	Existing – To Remain	Recently built, inspected, approved by County
Access & Infrastructure	Septic System	On-site Wastewater Treatment System	S21-235	Existing – To Remain	Recently built, inspected, approved by County
Access & Infrastructure	Septic System	On-site Wastewater Treatment System	S22-086	Existing – To Remain	Recently built, inspected, approved by County
	Septic System (legacy) – 1	On-site Wastewater Treatment System	(Legacy, 1960s – unknown)	- То	Pre-acquisition; install date estimated 1960s

Category	Facility Type / Improvement	Permitting Title Used	Permit/ Approval No.	Status	Notes / Location
Access & Infrastructure	Septic System (legacy) – 1	On-site Wastewater Treatment System	(Legacy, 1960s – unknown)	– To	Pre-acquisition; install date estimated 1960s
Access & Infrastructure	Well – 1	Well		Existing – To Remain	
Access & Infrastructure	Well – 1	Well		Existing – To Remain	
Access & Infrastructure	Fire Cistern – 31,000 gal	Fire Protection Cistern	Cañon City FD approvals on file	Existing – To Remain	4 total; tested/approved
Access & Infrastructure	Private Roadways (~14 mi)	Private HOA- Maintained Gravel Roads		Existing – To Remain	Internal network maintained by HOA
Utilities	Electric Distribution (in easements)	Public Utility – Electric		– To	Black Hills Energy within recorded easements
Structures & Buildings	Manufactured Home – 1	Manufactured Home	24-647 (Issued 12/04/2024)	Existing – To Remain	
Structures & Buildings	Accessory Dwelling Unit – 1	Accessory Dwelling Unit	24-006 (Issued 01/09/2025)	Existing – To Remain	
Structures & Buildings	Community Clubhouse – 1	Community Clubhouse		Existing – To Remain	"Gunslingers" (common name)
Structures & Buildings	Storage (Garage) – 1	Storage		Existing – To Remain	"Royal Garage," E. Meadow Loop
Structures & Buildings	Storage (Garage) – 1	Storage		Existing – To Remain	"Bad Ass Garage," Buckskin Joe Pkwy

Category	Facility Type / Improvement	Permitting Title Used	Permit/ Approval No.	Status	Notes / Location
Structures & Buildings	Storage (Bike Garage) – 1	Storage		Existing – To Remain	Near clubhouse
Structures & Buildings	Playhouse – 1	Accessory Structure		Existing – To Remain	"Kids Playhouse" + adjacent basketball & volleyball court
Structures & Buildings	Trapper Unit – 1	Accessory Structure / Cabin		Existing – To Remain	Bridgeview Circle
Structures & Buildings	Trapper Unit – 1	Accessory Structure / Cabin		Existing – To Remain	Panoramic Ridge
Recreational & Trail Amenities	Bike Park – 1	Recreational Amenity		Existing – To Remain	Near main entrance
Recreational & Trail Amenities	Bike Park – 1	Recreational Amenity		Existing – To Remain	Near main entrance
Recreational & Trail Amenities	Multi-Use Trail Network	Trail		– To	"Point Alta Vista Trail," integrated with HOA- maintained roadway system

Notes:

- 1. Informal/common names shown in quotation marks (e.g., "Gunslingers," "Royal Garage") are for identification only; the **permitting title** in the "Permitting Title Used" column controls
- 2. Where a permit number is not listed, the item is either a legacy improvement with unknown historical permit data or an improvement not requiring a building permit (e.g., internal gravel roads); supporting documentation and approvals (e.g., Cañon City Fire Department cistern testing) are on file and available upon request
- 3. Public utilities (Black Hills Energy) are located within recorded easements
- 4. Quantities and locations are based on current survey and may be refined at later entitlement stages without changing the improvement types or status



GEOLOGIC HAZARD, MINERAL, AND RESOURCE REPORT

FOR THE PROPERTY AT:

Royal Gorge Ranch and Resort Fremont County, Colorado

PREPARED FOR:

Royal Gorge Ranch and Resort Fremont County, Colorado

PREPARED BY:

Jesik Consulting Project Number: 19-8156 Revised April 29, 2025

Caleb Lewis Geologist 39781 04-29-25 ONAL Joseph A. Jesik, P.E.

Joseph A. Jesik, P.E Chief Engineer

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1. PROJECT DESCRIPTION

The scope of this study includes a geologic analysis of the site utilizing published geologic data and site-specific mapping of major visual geologic features, identification of minerals and geologic hazards with respect to the proposed development and recommended mitigation techniques.

A residential subdivision is being proposed in lots encompassing about 1.28 square miles. The parcel is currently zoned Agricultural Forestry and Rural Highway Business, but a proposal has been filed to change it to Business. The proposed residential building complex is thus consistent with the proposed zoning. The proposed site plan is enclosed in Appendix A.

A large, expansive residential building complex is proposed within an open space area. No structures are located near the site. Generally, the proposed project is appropriate in size and use for the area.

Land-surface elevation on the site ranges from approximately 6,000 to 6,452 feet, as determined by GIS measurements. The climate of the region is semi-arid and averages a mean annual precipitation of 13.5 inches.

Vegetation observed from satellite, ground imagery, and field reconnaissance included native trees, grasses and weeds at the site, with the neighboring areas containing similar vegetation.

2. LOCATION

The site is located just south of the intersection of Hwy 50 and Hwy 9 in Sections 15, 16, 21, and 22, Township 16 South, Range 71 West of the 6th Principal Meridian. A site location map is shown in Appendix A.

The site has an address of 45045 Hwy 50, Canon City, Colorado. The site encompasses multiple parcels.

3. STUDY AREA GEOLOGY, GEOLOGIC RESOURCES, AND MINERAL RESOURCES

The property is located about 28 miles southwest of the Pikes Peak Batholith and 0.6 miles northwest of the Royal Gorge Canyon. According to the Colorado Geological Survey (CGS) area map, the site is underlain by Precambrian age granodiorite, quartz diorite, and migmatitic gneiss rocks, as well as Morrison Formation sedimentary rocks in the northern most portion (though none of the latter were observed in the field). The Precambrian rocks extend west, south, and east of the site, and the Morrison Formation extends further north. Overlying these rocks are sandstone-clast sandy loam to clay loam colluvium in the northernmost portion, and the rest is overlain by

Jesik Consulting, Revision A Project No.: 19-8156 crystalline-clast grus. Therefore, soil development is likely minimal in this area. The slope is broadly 3.8% to the southwest.

A Jesik geologist completed a site visit to the property on December 7th and 9th, 2019. The dominant rock type observed during field reconnaissance was phaneritic to pegmatitic granite composed of potassium feldspar, muscovite mica, and milky quartz. This rock type comprised an estimate of more than 95% of the rocks observed on site. Localized outcroppings of metamorphic sphalerite were observed in minor amounts in three places in the southeastern portion of the site.

On-site mapping indicates that the site is dominated by csk (see below), with abundant granitic rock outcrops and rocky soil. Locally steep slopes occur in places. Two mini mansion building sites (located near 38° 28.571'N, 105° 18.606'W) were observed to be in or very near drainage areas, structures founded in these areas should be located well above flood elevations and protected from erosion. Three other building sites (located near 38° 29.123'N, 105° 20.393'W) were located immediately next to a steep slope on fill. This undocumented fill should be tested and may require over-excavation, moisture conditioning, and proper compaction if structures are supported by the fill material. Generally, fill for lightly loaded structures such as a mini mansion should be compacted to within 95-percent of the maximum dry density and within 2-percent of the optimum moisture content (OMC) when determined by the standard proctor test (ASTM D698) for sandier soils. For clayey soils the moisture content may range from plus or minus 3-percent of the OMC.

Small outcroppings of sphalerite (the primary ore rock for Zinc) bearing rocks occur in places but are not likely to be in economically important amounts. No outcroppings of any Copper bearing ore minerals were observed, nor were any other economically important minerals. THE USGS Mineral Resources Online Spatial Data does not show any critical minerals in the project area. Mines in the project limits report ore of beryl, microcline, muscovite, magnetite, and quartz.

Site and area geology were evaluated from site observations and the Reconnaissance Geologic Map of the Royal Gorge Quadrangle, Fremont and Custer Counties, Colorado by Taylor et al (1975). Also, the surficial geology is derived from the Generalized Surficial Geologic Map of the Pueblo 1-degree X 2-degree quadrangle, Colorado, by Moore et al (2002). The geologic maps for this site are in Appendix B.

<u>Jmr - Morrison And Ralston Creek Formations (Upper Jurassic) - Total thickness about</u> 470 feet (142.5 m) Morrison Formation — varicolored gray, maroon, and green siltstone and claystone and thin beds of sandstone, limestone, and conglomerate. About 320 feet (97 m) thick Ralston Creek Formation - Arkosic conglomerate, siltstone, gypsum, sandstone, and beds of limestone containing red jasper grains. Locally overlies Precambrian rocks. As mapped, locally includes parts of the Triassic(?) and

Permian Lykins Formation, such as the crinkled Forelle Limestone Member, which are too thin to be mapped separately. About 150 feet (45.5 an) thick.

Xgd - Granodiorite (Precambrian X1) - Gray, light-gray to pinkish-gray massive to foliated medium- to coarse-grained granodiorite and lesser amounts of quartz monzonite and quartz diorite. Correlates with Boulder Creek Granodiorite. Forms pinions whose margins are well foliated and are generally concordant or subconcordant to structure of enclosing gneisses. Interiors of plutons are less well foliated or are massive. Chiefly made up of oligoclase-andesine, microcline, hornblende and (or) biotite, and quartz

Xqd - Quartz Diorite (Precambrian X) - Dark- to medium-gray massive to well-foliated quartz diorite. Correlates with Boulder Creek Granodiorite. Grades into granodiorite (Xgd) or may be intruded by it; generally found as mafic shell at outer margin of major granodiorite plutons, but may form small independent plutons. Composed of oligoclase and hornblende and lesser amounts of biotite, microcline, quartz, and iron oxides. The Xqd and Xgd intrusive units have been dated by Rb/Sr isochron and have an age of about 1,720 My (million years)

Xgn - MIGMATITIC GNEISS (PRECAMBRIAN X) - Layered gneisses, chiefly feldspathic biotite quartz-plagioclase gneiss with minor amounts of hornblende gneiss, calc-silicate gneiss, and garnetiferous and sillimanitic varieties. Characteristically gray, brownish-gray, or pinkish medium- to fine-grained well-foliated and well-layered rock. Compositional banding generally is parallel to foliation and ranges in thickness from a fraction of an inch to several tens of feet. Variably migmatitic; salmon-pink to white stringers, veinlets, or small tabular masses of quartz-plagioclase-microcline-biotite pegmatite characteristically cut the gneiss or occur as subconformable layers. The association of the sillimanite-microcline pair in rocks of appropriate composition indicates that the high-grade metamorphism reached the uppermost part of the amphibolite metamorphic facies. Late poikiloblastic muscovite indicates local retrograde metamorphism. Unit interpreted as formed from a sedimentary and volcanic sequence principally containing rhyodacitic to intermediate flows and tuffs, together with sedimentary inlerlayers containing volcanic detritus mixed with other clastic debris.

SURFICIAL MAP:

csk – Grus, crystalline-clast colluvium, alluvium, and rock outcrop.

cgg – Sandstone-clast sandy loam to clay loam colluvium.

Soils observed were generally thin and consisted of a silty loam with abundant gravel.

4. SUBSURFACE SITE EVALUATION

Subsurface conditions were not evaluated for this report. Subsurface conditions should be evaluated for each structure to determine site specific conditions prior to construction.

5. RECORDS REVIEW

Colorado Geological Society records, records on file with Fremont County, and the Fremont County online GIS system were reviewed to determine if the site is located within the following hazard zones:

- Expansive soil Does not fall within zone
- Landslide area Does not fall within zone.
- Rockfall area Some areas do fall within zone.
- Subsidence and abandoned mine Does not fall within zone.
- Collapsible soil Does not fall within zone.
- Minor drainage areas Limited number of proposed sites do fall within area (per Google Earth satellite imagery and field reconnaissance).
- Floodplain Does not fall within zone.

6. GEOLOGIC HAZARDS, CONSTRAINTS AND MITIGATION

Geologic hazards and constraints recognized on this site include: 1) potentially expansive soil, 2) landslides, 4) radiation, 5) erosion, and 6) earthquakes. Each of these hazards are discussed in the following sections:

6.1 Expansive / Collapsible Soil

Laboratory swell tests were not conducted at this time. Isolated areas of shallow non to moderately expansive or collapsible soils may be located at the project. A typical geotechnical site investigation for areas where structures will be constructed likely will identify these soils.

Mitigation:

There are several options to build on expansive or collapsible soils such as over-excavation, moisture condition and proper compaction of on-site soils, minimum dead load footings and slabs, or drilled piers with a structural floor. These foundation systems are common and cost more than a conventional spread footing and slab foundation but are economically feasible alternatives. An open excavation observation should be completed when the foundation excavation is dug and prior to concrete placement. This observation provides a second opportunity to identify expansive or collapsible soils, if encountered. If expansive or collapsible soils are observed during the excavation observation, mitigation measures that may be recommended include over-excavation and replacement or over-excavation, moisture condition, and compaction of on-site soils, changing the

Jesik Consulting, Revision A Project No.: 19-8156 foundation type from footings to minimum dead load footings, helical piers, drilled piers, or micropiles.

6.2 Landslides and Rockfall

The Colorado Landslide Susceptibility Map shows no recent landslide features. There were no signs of instability observed at the site, but a map on file with Fremont County Planning and Zoning showed the entire area in a rockfall zone. Several areas of potential rockfall were observed in the field, though most (not all) building sites were not within these areas.

Mitigation:

For structures that are built in rockfall zones, loose rocks uphill of the structure should be removed, if they can't be removed, they may be stabilized with shotcrete, blasting, or iron mesh protection methods.

6.3 Dipping Bedrock

Expansive soils and landslides are known to occur within, though are not exclusive to, dipping bedrock zones. No dipping bedrock was observed on site.

6.4 Radiation

There is not believed to be an unusual hazard from naturally occurring sources of radioactivity at the site. Most counties in Colorado have home radon levels measured above the U.S. EPA recommended "action level" of 4 picoCuries per liter of air (pCi/l). Fremont County averages 6.2 pCi/l. Results of a 1987-1988 EPA-supported radon study for Colorado indicate that granitic rock, in particular, can have an elevated level of uranium. These rocks have the potential of producing higher than average radon gas levels in homes.

Mitigation:

Providing increased ventilation in basements and crawlspaces and sealing of joints may reduce the build-up of radon gas. If such measures prove unsatisfactory, the installation of a radon reduction system may be necessary.

6.5 Erosion

There are no signs of significant erosion at the site, except in ephemeral stream areas. The slopes are covered with recent colluvium. Development of the site may increase erosion problems when vegetation is stripped, natural water drainage altered, and flow concentrated from impervious surfaces. Two mini mansion building sites (located near 38° 28.571′N, 105° 18.606′W) were observed to be in or very near drainage areas. Two sites where the road is in danger of washout were also observed at 38° 28.553′N, 105° 18.921′W and 38° 28.932′N, 105° 19.841′W.

Mines are located just north of the area, with water drainage to the south and into the building area.

Mitigation:

Concentrations of surface water should be diverted away from the steep slopes on the property as well as the backfill behind any retaining walls. Surface water control and revegetation is necessary to prevent excessive erosion. We understand that a drainage plan is being prepared by a licensed Colorado Professional Engineer.

Groundwater and surficial runoff should be chemically tested for possible contaminants from runoff from the mines just north of the building area.

It is recommended that no mini mansions be built within 50 feet of either side of the dominant ephemeral stream that cuts through the middle of the site.

6.6 Earthquakes

The area is subject to a degree of seismic activity. The area is crisscrossed by a myriad of Precambrian age faults. Geologic evidence indicates that movement along faults northeast of Cotopaxi, Colorado produced earthquakes in 2008. The Colorado Geological Society has assigned a probability of 0.6-0.7 for an earthquake for this area.

Mitigation:

Design and construction of the foundation and framing systems should take into consideration the seismic zone.

7. CONCLUSION AND RECOMMENDATIONS

Generally, the site is suitable for the intended land use provided mitigation measures are taken to reduce or minimize the identified conditions. Conditions that exist on the site are relatively common. Mitigation should be in the form of proper planning, design and construction practices. Recommendations contained in this and other project reports should be incorporated into the project plans, designs, specifications and construction.

Retaining walls should be design with a minimum 1 foot of free draining gravel fill extending from the top to bottom of the wall to prevent hydrostatic pressure buildup.

It is recommended that no mini mansions be built within 50 feet of either side of the dominant ephemeral stream that cuts through the middle of the site.

Mini mansion building sites located near 38° 28.571′N, 105° 18.606′W, 38° 28.553′N, 105° 18.921′W, and 38° 28.932′N, 105° 19.841′W should either be moved or mitigation

steps taken (see above) to alleviate hazards associated with those build sites (see also above).

Groundwater and surficial runoff should be tested for possible contaminants from the mines just north of the building area if existing data does not exist or shows possible contamination.

A site-specific geotechnical engineering report should be prepared by a qualified professional engineer for each structure. This report did not evaluate subsurface conditions.

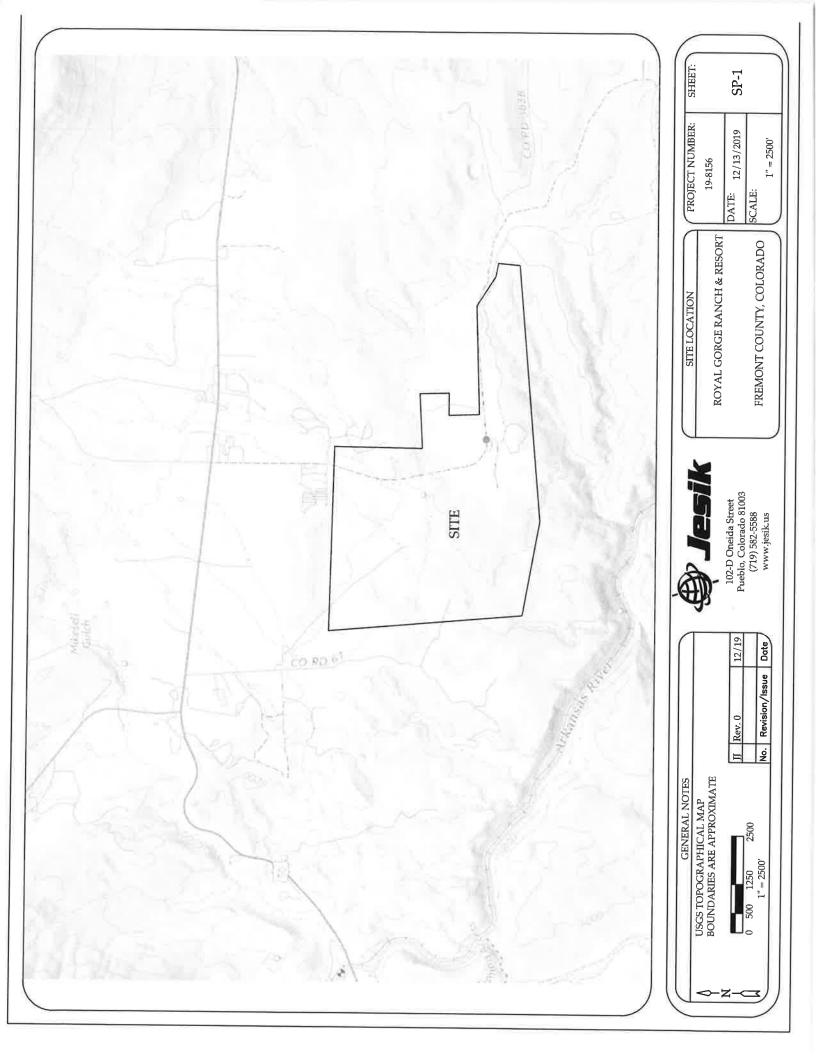
8. LIMITATIONS

In any surficial investigation, limited data is available from which to formulate soil descriptions, mineral and geologic resource descriptions, hazard reports, and generate recommendations for building and foundations and related construction components. The observations made are indicative of the surface conditions at the time and at the location the observations were made. Precipitation, seasonal changes, and excavating are just a few, but not all, of the factors that may create changes in the composition and condition of the site. If conditions are encountered which are significantly different from those described in this report, contact this office before proceeding.

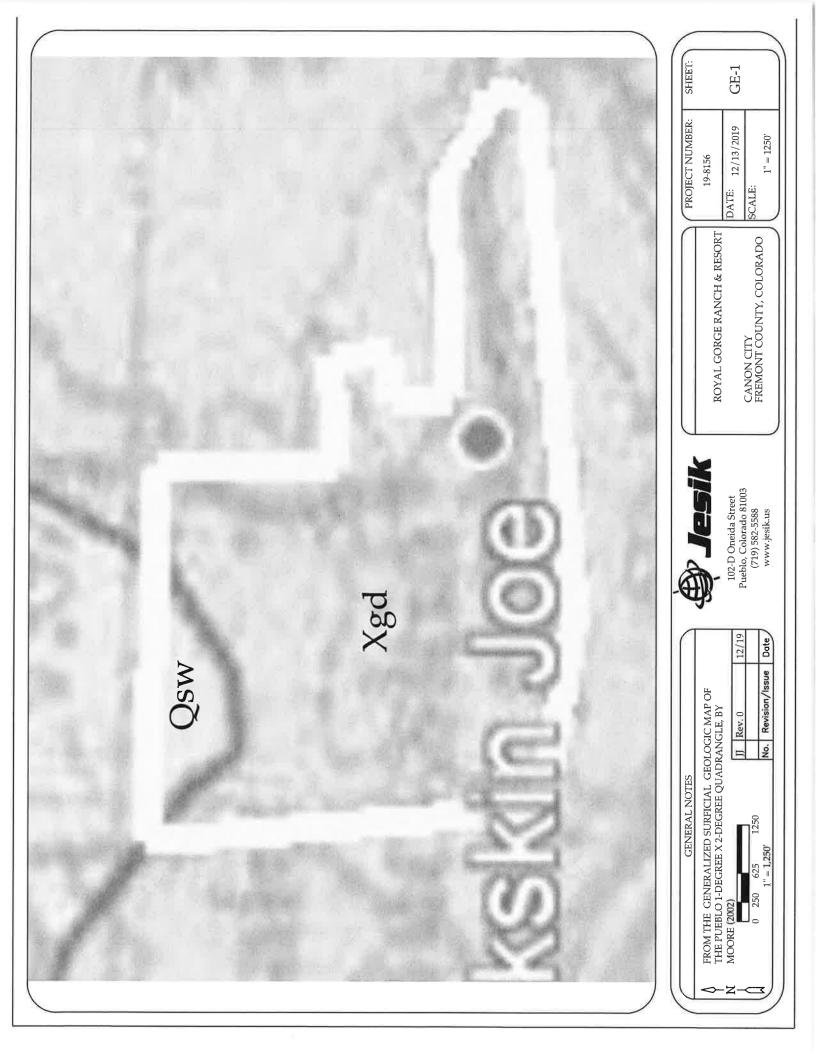
By acceptance of this report all parties agree that the purpose of this report is to provide planning level geological and geotechnical data only and does not address nor was intended to address any environmental issues, hazardous materials, mold issues, toxic waste issues or other subsurface situations or conditions other than those described within this report. This report is intended for the sole use of the abovenamed client and their approved agents. This office cannot be responsible for any conclusions or recommendations made by other parties based upon the data contained herein.

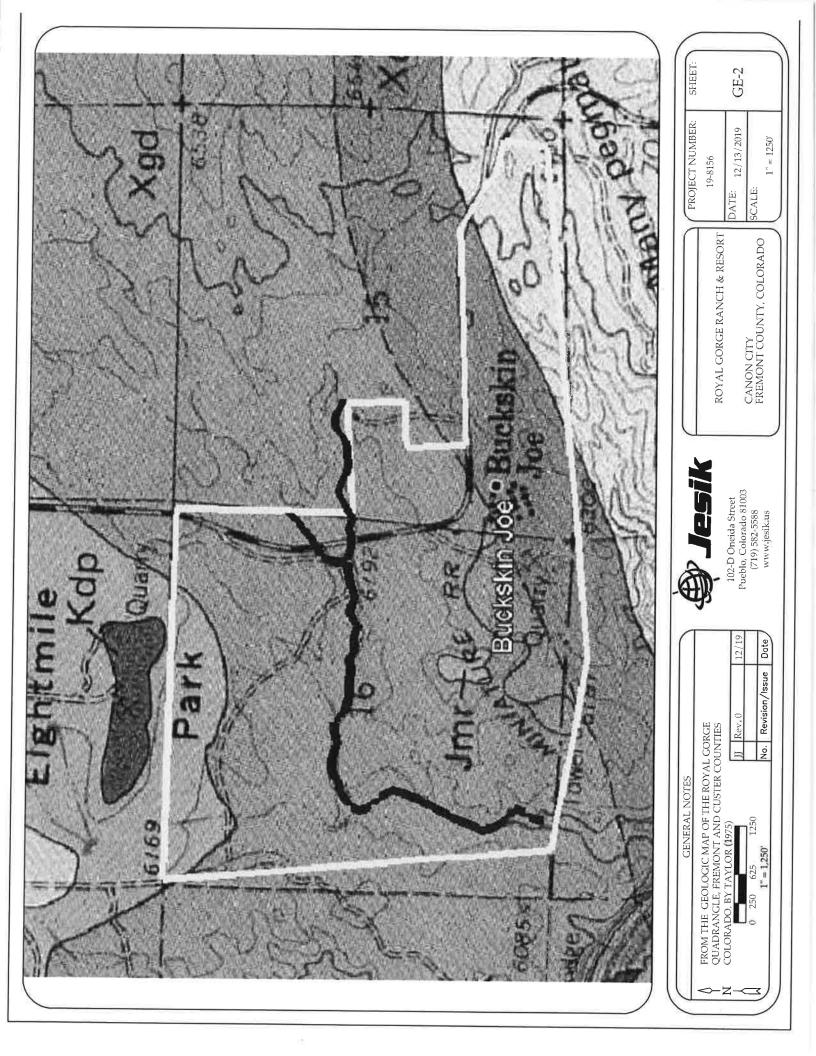
No warranty, expressed or implied, is made.

APPENDIX A: SITE LOCATION MAP



APPENDIX B: GEOLOGY MAPS







October 1, 2025

AJET Ventures, LLC c/o Ty Seufer 41746 US Hwy 50 Cañon City, CO 81212

RE: Royal Gorge Ranch and Resort Subdivision Water Resources Report

Dear Ty:

This letter report provides the Water Resources Report for Individual Water Systems for the Royal Gorge Ranch and Resort Subdivision ("Royal Gorge R&R") in accordance with the Subdivision Regulations of Fremont County, Colorado § VI.F, §§ 29-20-303 and 304 C.R.S., and § 30-28-133(3)(d) C.R.S.

To prepare this letter report we have reviewed the development plans for Royal Gorge R&R, evaluated water demands, reviewed local hydrogeologic conditions, evaluated well test data, and reviewed Upper Arkansas Water Conservancy District's ("UAWCD") water rights supplies available for the project.

Documents referred to in this report are available at the following ftp site:

ftp.bbawater.com

username: RoyalGorgeRR

password: Fremont

1. Project Overview

Royal Gorge R&R is located west of Cañon City. Royal Gorge R&R consists of approximately 772 acres, 552 acres of which will be used to develop up to 152 3.00 to 5.28-acre eco-villa lots shown in **Figure 1** and **Attachment A**. The remaining 220 acres will be reserved as open space.

¹ Figure 1 does not include open space areas east of County Road 3A.

Each eco-villa will be up to 1,300 square-feet. Each eco-villa lot can be served by an individual water well. Well water use at each eco-villa will be limited to in-house and minor incidental outdoor water uses.

There will be no water uses on the open space. The "Ponds" identified on the site plan are stormwater detention ponds.

Water demands for the Royal Gorge R&R are estimated based on full-time occupancy; however, the eco-villas are marketed and expected to be occupied as vacation homes.

Individual water supply wells will be augmented pursuant to the UAWCD's "umbrella augmentation plan" approved by the decree entered in Case No. 18CW3076, Water Division 2, (the "18CW3076 Decree") following the procedures to add structures outlined in that decree.

2. **Residential Water Demand Analysis**

Water demands for the Royal Gorge R&R were estimated considering Royal Gorge R&R's requirements for water efficient development. Pursuant to the proposed Declaration and anticipated Rules and Regulations for Royal Gorge R&R, each eco-villa must be equipped with low flow fixtures and appliances and outdoor well water use will be metered and strictly limited as described herein.

Per-lot eco-villa water demand is estimated at 0.205 acre-foot per year (AF/yr) based upon 175 gallons per day (gpd) (0.196 AF/yr) indoor use and an additional 244 gallons per month (0.009 AF/yr) of minor incidental outdoor use. While 175 gpd indoor use water demand is lower than typical historical per-residence water demand estimates, it is supported by a fixture analysis, actual water use data from a similar community, and water demand analyses by Colorado municipal water providers, summarized below.

2.1. Fixture Analysis

A fixture analysis was developed to estimate future indoor water demands for individual residences at Royal Gorge R&R after taking into account water conservation measures that will be implemented. Each eco-villa will be equipped with U.S. Environmental Protection Agency WaterSense certified fixtures and EnergyStar certified appliances.

For the purposes of determining the maximum potential water demand at Royal Gorge R&R, the fixture analysis utilized conservatively high values. For example, a WaterSense certified toilet utilizes 1.28 gallons per flush; however, the fixture analysis utilized 1.6 gallons per flush.

In addition to conservative fixture water use, it was also assumed that each unit would have 2.5 residents year-round. Year-round occupancy is conservative given that Royal Gorge R&R units are marketed and expected to be primarily occupied as vacation homes. Additionally, 2.5 people per unit is conservatively high given that the 2016-2022 Census data reports an average of 2.3 persons per household in Fremont County and the smaller

square footage of the proposed eco-villas will result in a lesser number of persons per household.

Based on the conservative assumptions described above, the estimated indoor water usage is 0.15 AF/yr/unit as shown in **Table 1**.

2.2. Forest Glen water demands

The decree entered in Case No. 16CW3127, Water Division 1, on January 2, 2019 (the "16CW3127 Decree") approved a plan for augmentation for the Forest Glen Sports Association ("Forest Glen"). The Forest Glen service area is comprised of 93 acres with 69 lots. Similar to Royal Gorge R&R, Forest Glen water use is primarily indoor. (16CW3127 Decree, ¶6 at 2).

The engineering analysis supporting the water court application included a letter dated August 19, 2016 from BBA Water Consultants, Inc. with a detailed analysis of water use across Forest Glen from 2000 to 2015, which showed an average water use of 59 gpd per residence and a maximum monthly water use of 74 gpd per residence. A conservatively high water demand of 106 gpd per residence was adopted for the 16CW3127 Decree. (16CW3127 Decree, ¶10 at 3).

Both Denver Water and the Headwater Authority of the South Platte stipulated to the 106 gpd per residence water use rate that was used to determine replacement obligation for the plan for augmentation, equal to 0.82 AF/yr (106 gpd per residence x 365 days x 69 lots x 10% consumption). (16CW3127 Decree, ¶11 at 3).

The 106 gpd per residence water use rate included in the 16CW3127 Decree would result in a demand of 0.12 AF/yr per residence as shown in **Table 2**.

2.3. 2016 Boulder Water Efficiency Plan

The 2016 Boulder Water Efficiency Plan reports a residential indoor use rate of 48 gallons per capita per day (gpcd) from 2012 through 2015. Indoor use specific to single family homes is 61 gpcd and multi-family indoor use is 38 gpcd. (2016 Boulder Water Efficiency Plan, Table 5-2 at 34).

Boulder's Efficiency Plan projects full conversion to water efficient fixtures by 2050 at which time, Boulder projects an indoor water use rate of 39 gpcd. (2016 Boulder Water Efficiency Plan at 35).

Taking the highest reported indoor water use rate (61 gpcd) applied to 2.5 persons per residence year-round at the Royal Gorge R&R results in 153 gpd per residence demand and an annual water demand of 0.17 AF/yr, as shown in Table 2.

2.4. 2017 Denver Water Efficiency Plan

The 2017 Denver Water Efficiency Plan reports a single family residential indoor use rate of 50 gpcd. (2017 Denver Water Efficiency Plan at 12). Assuming 2.5 persons per

residence year-round at the Royal Gorge R&R, this rate results in 125 gpd per residence demand and an annual water demand of 0.14 AF/yr as shown in Table 2.

2.5. 2021 Pueblo Water Efficiency Plan

The 2021 Pueblo Water Efficiency Plan reports a residential indoor use rate of 54.7 gpcd for 2015-2019. (2019 Pueblo Water Efficiency Plan, § 2.5.4 at 21). Assuming 2.5 persons per residence year-round at the Royal Gorge R&R, this rate results in 137 gpd per residence demand and an annual water demand of 0.15 AF/yr as shown in Table 2.

3. **Total Water Demands and Net Aquifer Depletions**

Based on the above analysis and research of decreed and documented water use in Colorado, 0.196 AF/yr/residence is a conservatively high indoor use water demand for Royal Gorge R&R. While outdoor water use will be discouraged at the Royal Gorge R&R, accommodation is made for minor incidental outdoor water use such as bicycle and window washing at 244 gallons per month (0.009 AF/yr) per eco-villa. Collectively, total eco-villa water use is estimated at 183 gpd per lot as shown in Table 3, Column [9].

Across the up to 152 planned eco-villas, 0.196 AF/yr indoor use and 0.009 AF/yr outdoor use results in 31.16 AF/yr total water demand as shown in Table 3, Column [6].

Net aquifer and stream depletion (a.k.a. "consumptive use" or "augmentation requirement") is the difference between well pumping to meet water demand and return flows back to the aquifer from domestic water use that partially offsets well pumping.

Net aquifer depletion is based upon UAWCD 18CW3076 Decree findings that: (i) 90% of in-house domestic water use will return to the aquifer and stream from wastewater treatment via non-evaporative individual sewage disposal systems, which are proposed for the Royal Gorge R&R and (ii) other "fully consumptive uses" such as the minor incidental outdoor water uses that do not have a return flow component. (18CW3076 Decree, ¶12.c.ii at 18 and ¶12.j at 21).

Proposed water demands on each eco-villa lot will result in a total of 0.0286 AF/yr of net aquifer depletion and 4.35 AF/yr in total for up to 152 lots, summarized in Table 3, Columns [15] and [16].

4. Ground Water Supply for Individual Wells

Water supply for Royal Gorge R&R lots will be obtained from individual onsite wells not to exceed 15 gpm included in UAWCD's umbrella augmentation plan. As addressed in the subsections below: (i) Royal Gorge R&R is underlain primarily by crystalline bedrock; (ii) well yields are expected to be relatively low, but adequate for 183 gpd eco-villa water demand; (iii) the aquifer supply is sustainable because groundwater precipitation recharge greatly exceeds water demand and net depletion to the aquifer; (iv) "dry holes" encountered due to variable underlying geology can likely be remedied by drilling at a new location on the 3.00 to 5.28-acre lots; (v) pump testing of two Royal Gorge R&R wells confirms water supply adequacy; and (vi) water quality.

4.1. Geology

The Royal Gorge R&R is underlain by Jurassic and Precambrian-age bedrock as shown in Figure 2. Light green (Jmr) represents Jurassic age Morrison formation sedimentary siltstone and claystone and thin beds of sandstone, limestone, and conglomerate and Jurassic age Ralston Creek formation sedimentary conglomerate, siltstone, gypsum, sandstone, and limestone. Pink (Xgd) represents Precambrian crystalline medium to coarse grained granodiorite, with lesser amounts of quartz monzonite and quartz diorite. Purple (Xqd) represents Precambrian crystalline quartz diorite. Light pink (Xgn) represents Precambrian crystalline migmatitic gneiss.

4.2. Hydrogeology and aquifer sustainability

There is limited primary permeability in the geologic bedrock formations underlying the Royal Gorge R&R. Instead, groundwater flow occurs through naturally occurring fractures and faults that are recharged through precipitation infiltration and overlying drainages.

Annual recharge greatly exceeds projected Royal Gorge R&R water demand and net aquifer depletion. Median precipitation at Cañon City is approximately 12-inches per year. (USC00051294, Cañon City Weather Station). At least 1-inch per year of precipitation infiltrates the bedrock aquifer. (Snow, 1972 at 23). Assuming approximately 8% precipitation infiltration to groundwater of 1-inch per year over the approximately 772-ac Royal Gorge R&R, annual recharge is approximately 64.3 AF/yr, or more than two times the 31.16 AF/yr projected annual water demand and more than 14 times the projected 4.35 AF/yr annual net aquifer depletion.

Since aquifer recharge greatly exceeds both projected water demand and net aquifer depletion, groundwater withdrawal from the Royal Gorge R&R will not deplete aquifer storage nor affect neighboring wells.

4.3. Well depth, depth to water, and yield

Per-lot water demand is conservatively estimated at 183 gpd for eco-villa lots (0.13 gpm), summarized in Table 3, Columns [7] and [9]. Accordingly, even very low yielding water wells can support Royal Gorge R&R water demands.

Groundwater wells in the vicinity of the Royal Gorge R&R are shown on Figure 2 and summarized in Table 4. Median well depth is 160 feet and maximum well depth is 580 feet. Median depth to water is approximately 40 feet and maximum depth to water is 235 feet. Median well yield is 1.0 gallons per minute (gpm) based on well construction reports and 3.0 gpm based on pump installation and test reports. Wells constructed at the Royal Gorge R&R are expected to have depths and yields within the ranges presented in Table

Well yields at the Royal Gorge R&R are expected to be relatively low but adequate for the eco-villa water demands. At least 500 gallons of cistern storage is recommended for each lot to maximize aquifer production and meet peak day water demands.

Some well boreholes may not encounter productive fractures during drilling resulting in "dry holes," which is a risk in a crystalline bedrock geologic environment. Well permit no. 114084-A included in **Table 4** is an example of a "dry hole" that produces only 0.067 gpm (96 gallons per day). However, the 3.00 to 5.28-acre lot size accommodates room for lot owners to drill at a new location if a dry hole is encountered.

4.4. Royal Gorge R&R well test

A well test was completed to evaluate adequacy of wells constructed at Royal Gorge R&R for eco-villa water demands. To perform the well test, well permit nos. 69725-A and 82123 were both pumped for three days to determine the repeatable daily yield in gallons per day.

Well Permit nos. 69725-A and 82123 were selected because the wells are located near the center of the Royal Gorge R&R, identified in **Figure 2**, and are representative of the relatively low expected well yields. Well permit nos. 69725-A and 82123 are constructed to depths of 540 feet and 225 feet, respectively, and are located approximately 460 feet apart.

As shown in **Table 5**, the repeatable daily groundwater withdrawal was at least 400 gpd for well permit no. 69725-A and at least 500 gpd for well permit no. 82123, which is more than 2-times the estimated 183 gpd eco-villa water demand.

4.5. Well water quality

Numerous domestic wells are constructed in the bedrock aquifer that underlies the Royal Gorge R&R. Due to the fractured rock aquifer environment that provides limited natural filtration of groundwater, we recommend that lot owners have water quality tested upon well construction, which can be completed by the Colorado Department of Public Health and Environment or by a private laboratory for a minor fee. If needed, affordable wholehouse or under-sink filtration technologies can be installed to address any water quality concerns.

5. Upper Arkansas Water Conservancy District Water Umbrella Plan for Augmentation

The Royal Gorge R&R is within the UAWCD boundary. The 18CW3076 Decree approves an UAWCD plan for augmentation of individual water supply wells within the Royal Gorge R&R. New augmented structures, including the individual Royal Gorge R&R wells, can be added to the UAWCD plan for augmentation by the process prescribed in ¶18 of the 18CW3076 Decree.

Generally, that process includes: (i) application to UAWCD for augmentation service; (ii) UAWCD notice to add augmented structures to the Colorado Division of Water Resources Division 2 Engineer, certain parties, and newspaper publication; and (iii) determination by

² The Royal Gorge R&R is located within "Area I" where UAWCD can provide augmentation water year-round. (18CW3076 Decree, ¶9.b.i at 7).

the Colorado Division of Water Resources Division 2 Engineer pursuant to a new well permit application. (18CW3076 Decree, ¶18 at 28-30).

5.1. Augmented depletions

The 18CW3076 Decree includes a presumptive augmentation requirement for in-house only uses with wastewater treatment via non-evaporative individual sewage disposal systems at 0.031 AF/yr per residence. (18CW3076 Decree, ¶12.c.ii at 18). That augmentation requirement is based on 280 gpd per residence, which is 1.6 times the 175 gpd estimated per-residence in-house water demand for the Royal Gorge R&R eco-villas.

To provide additional conservatism and accommodate minor incidental outdoor use, UAWCD will provide an additional 0.009 AF/yr of augmentation water per eco-villa (244 gallons per month), with any such uses assumed to be fully consumptive. UAWCD will require separate metering to verify outdoor use. (18CW3076 Decree, ¶12.j at 21). Such requirements will be enforced by the Association for the Royal Gorge R&R by the requirements set forth in the Declaration and in the Rules and Regulations for the community.

Collectively, UAWCD will provide 0.04 AF/yr augmentation water for each Royal Gorge R&R eco-villa lot, which is the sum of 0.031 AF/yr for in-house use and 0.009 AF/yr for minor incidental outdoor use. Actual per-lot stream depletion is estimated at 0.0286 AF/yr for eco-villa lots, summarized in Table 3, Column [15]. Accordingly, Royal Gorge R&R is providing 1.4-times the necessary augmentation water to ensure that senior water rights are protected.

5.2. Location and timing of stream depletions to be augmented

Each of the Royal Gorge R&R wells will be used for residential use, withdraw far less than 3 AF/yr, and almost all of the Royal Gorge R&R lots are located more than 2,000 feet from the Arkansas River. By these criteria, the stream depletions are defined as "steady-state" and occur at a constant rate year-round in compliance with the 18CW3076 Decree.³

Portions of eight lots (lots 40, 41, 52, 53, 54, 55, 56, and 57) in the southwest corner of the Royal Gorge R&R are located within 2,000 feet of the Arkansas River where the 18CW3076 Decree requires an AWAS Glover Method analysis to determine the amount and timing of stream depletions, shown in Figure 3. Those eight lots are located in Transmissivity zone T7 (identified in Table 3 at 22 of the 18CW3076 Decree) and will be constructed in Crystalline Bedrock (identified in Table 5 at 23 of the 18CW3076 Decree). Aquifer characteristics prescribed by the 18CW3076 Decree include a transmissivity of 1,090 gpd/ft and a storativity of 1.03×10^{-3} .

³ Most of Royal Gorge R&R is located in the "Steady State Zone" identified in Exhibit E to the 18CW3076 Decree. (18CW3076 Decree, ¶13.b at 21).

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As a practical matter, all of the wells constructed on the Royal Gorge R&R will deplete the Arkansas River at a constant rate because water demands from in-house and minor incidental outdoor use will occur at a relatively constant rate year-round. To the extent that any Royal Gorge R&R wells are constructed within 2,000 feet of the Arkansas River, the 18CW3076 Decree prescribes a routine analysis method to determine the amount and timing of stream depletions when those wells are included in UAWCD's plan for augmentation.

5.3. UAWCD augmentation water rights

UAWCD's water rights supplies approved for augmentation use pursuant to the 18CW3076 Decree include Twin Lakes Reservoir transmountain water rights, water rights stored in the North Fork Reservoir, water rights stored in O'Haver Reservoir, water rights leased from the Board of Water Works of Pueblo, Colorado, the HBL water rights, Friend Ranch water rights, and other water rights decreed for augmentation use. (18CW3076 Decree, ¶10 at 8-17).

5.4. Augmentation supply adequacy and non-injury

The Division 2 Water Court has already found that the UAWCD augmentation water rights supplies are sufficient for the plan for augmentation approved by the 18CW3016 Decree:

...the [UAWCD] plan for augmentation...will not injuriously affect the owners of or persons entitled to use water under a vested water right or a decreed conditional water right. (18CW3076 Decree, ¶43.b at 45-46).

The description of the Augmentation Water and the methodology for determining out of priority depletions provided above has allowed the Court to consider the depletions from UAWCD's proposed uses of water, in quantity and in time, the amount and timing of augmentation water that would be provided by UAWCD, and the terms necessary to prevent injury to any owner of or persons entitled to use water under a vested water right or a decreed conditional water right, in accordance with C.R.S. § 37-92-305(8)(a). (18CW3076 Decree, ¶43.c at 46).

5.5. **UAWCD** commitment

Upon application and payment of applicable fees, UAWCD can provide augmentation services pursuant to the 18CW3076 Decree.

The initial one-time costs for the required augmentation certificate from the UAWCD will be paid by the Declarant for the community, which includes an application fee, 1st year storage and maintenance fee, and an augmentation fee. Annual costs from that point forward payable to the UAWCD shall be assessed against the individual lots under § 38-33.3-315, C.R.S.

6. Colorado Division of Water Resources Form No. GWS-76

Based upon the information included in Table 3, Attachment B includes Division of Water Resources Form No. GWS-76 "Water Supply Information Summary" for up to 152 residential lots.

7. Summary of Information Required by the Subdivision Regulations of Fremont County, Colorado § VI.F

1. The expected water requirements of the subdivision now and at full development, including various water uses to be permitted. See also §§ 29-20-304(1)(a) and (d), C.R.S.

See § 3, above, and **Table 3**.

2. The estimated consumptive use of water by the subdivision. See also § 29-20-304(1)(a), C.R.S.

See § 3, above, and **Table 3**.

3. The source of water for the subdivision and the dependability of this source. See also §§ 29-20-304(1)(b), (c) and (d), C.R.S.,

See § 4, above.

Evidence of ownership or right of acquisition of, or use of existing and 4. proposed water rights. See also § 30-28-133 (3)(d)(I), C.R.S.

See § 5, above.

5. Historic use and estimated yield of claimed water rights. See also § 30-28-133 (3)(d)(II), C.R.S.

The UAWCD water rights used for augmentation are approved by the Division 2 Water Court for augmentation use. See § 5.3, above.

6. Amenability of existing rights to a change in use. See also § 30-28-133 (3)(d)(III), C.R.S.

The UAWCD water rights used for augmentation are approved by the Division 2 Water Court for augmentation use. See § 5.3, above.

7. The dependability of claimed water rights for use as a subdivision water supply. See also § 30-28-133(3(d), C.R.S.

The Division 2 Water Court has confirmed that adequate augmentation water rights supplies are available for the plan for augmentation approved by the 18CW3076 Decree. See § 5.4, above.

- An evaluation of the potential for material injury to existing water rights as 8. a result of the subdivision including the cumulative effect of on-lot exempt domestic wells. See also § 29-20-304(1)(f), C.R.S.
 - The Division 2 Water Court has confirmed that plan for augmentation approved by the 18CW3076 Decree will not cause injury. See § 5.4, above.
- 9. A plan augmentation or plan of exchange whereby any material injury to existing water rights is prevented. See also § 29-20-304(1)(f), C.R.S.
 - The Division 2 Water Court has confirmed that plan for augmentation approved by the 18CW3076 Decree will not cause injury. See § 5.4, above.
- Evidence that public or private water owners can and will supply water to *10*. the proposed subdivision stating the amount of water available for use within the subdivision and the feasibility of extending service to that area. See also § 30-28-133 (3)(d)(IV), C.R.S.

See § 5.5, above.

11. Evidence concerning the potability of the proposed water supply for the subdivision. See also § 30-28-133 (3)(d)(V), C.R.S.

See § 4.5, above.

12. A completed "WATER SUPPLY INFORMATION SUMMARY" form, as provided by the Office of the State Engineer of the State of Colorado. See also § 29-20-305(1)(b), C.R.S.

See Attachment B.

- Additional Fremont County Requirements under § 29-20-304(1)(f), C.R.S.: 13.
 - The probability of success of wells or on-site supply systems through a. the proposed subdivision.

Well yields are expected to be low but adequate for the low Royal Gorge R&R water demand of 183 gpd per eco-villa lot. If dry holes are encountered, lot sizes are large enough to accommodate additional drilling. See §4.3, above.

b. The expected long-term yield of such wells or systems.

> The aquifer groundwater supply to wells is sustainable because natural precipitation recharge is more than two times annual water demand and 14 times annual aquifer depletion from projected Royal Gorge R&R water use. See § 4.2, above.

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> C. The expected depth to usable water.

> > Median depth to water is expected to be approximately 40 feet and maximum depth to water is expected to be approximately 235 feet. See § 4.3, above.

d. The expected quality of the anticipated water.

> Individual lot owners should submit water quality samples for a domestic drinking water suite following well construction. Affordable individual treatment systems are available if any issues are encountered. See § 4.5, above.

Any expected significant problems of long-term supply, pollution or е. long-term maintenance of such wells or systems.

No significant long-term water supply problems, pollution, or maintenance issues are expected for the Royal Gorge R&R wells beyond those identified in this report.

If you, Freemont County or the Colorado Division of Water Resources have any questions, they are welcome to contact us.

Very truly yours,

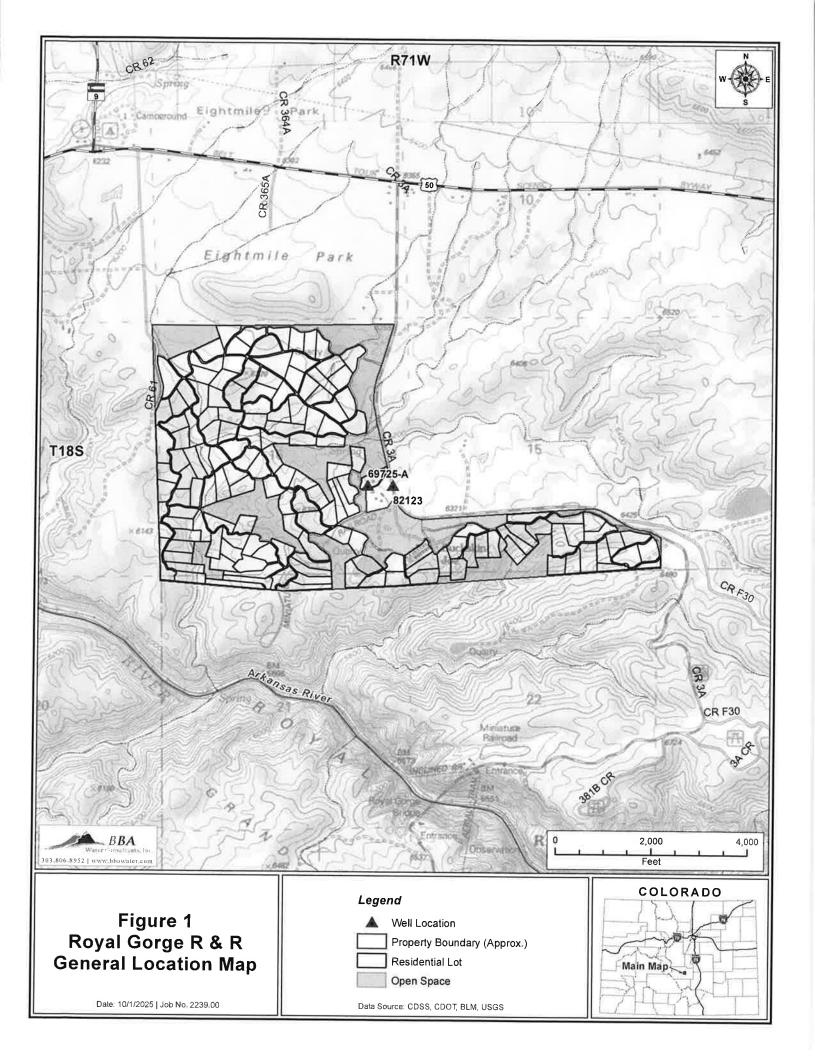
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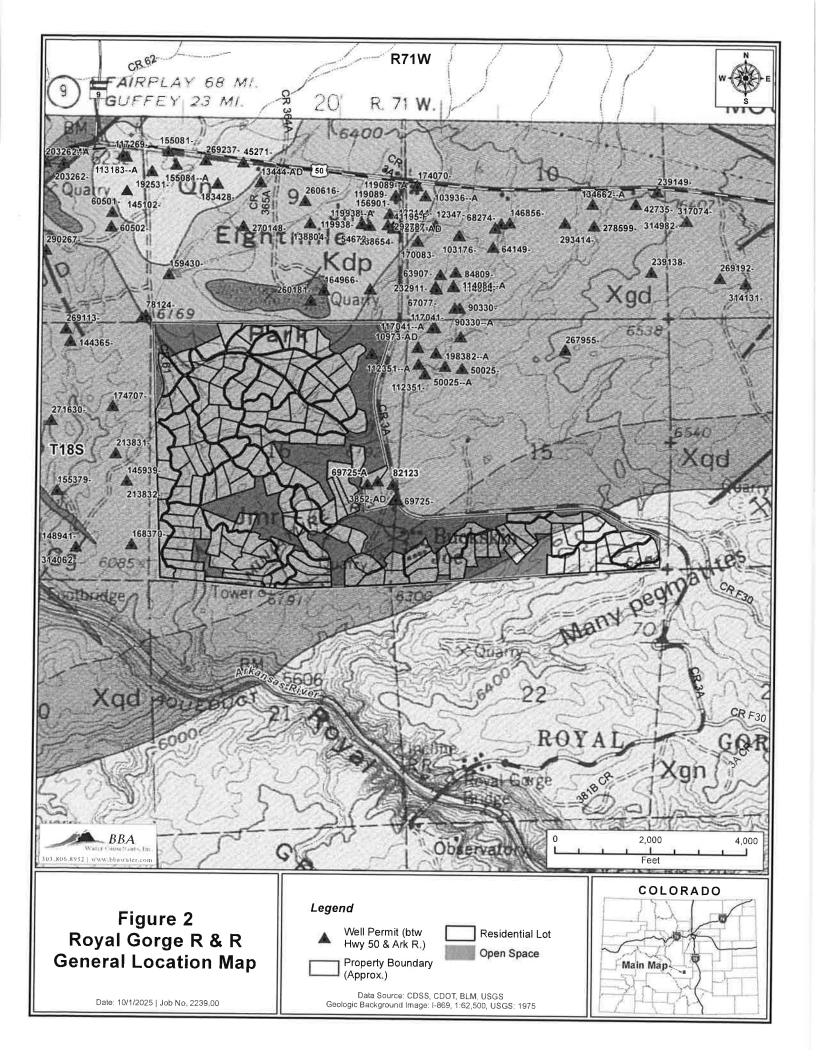
Daniel O. Niemela, C.P.G. Principal - Hydrogeologist

DON/LTL/jeb Enclosures 2239.00

Lauren Tiedemann Loob, P.E. Water Resources Engineer

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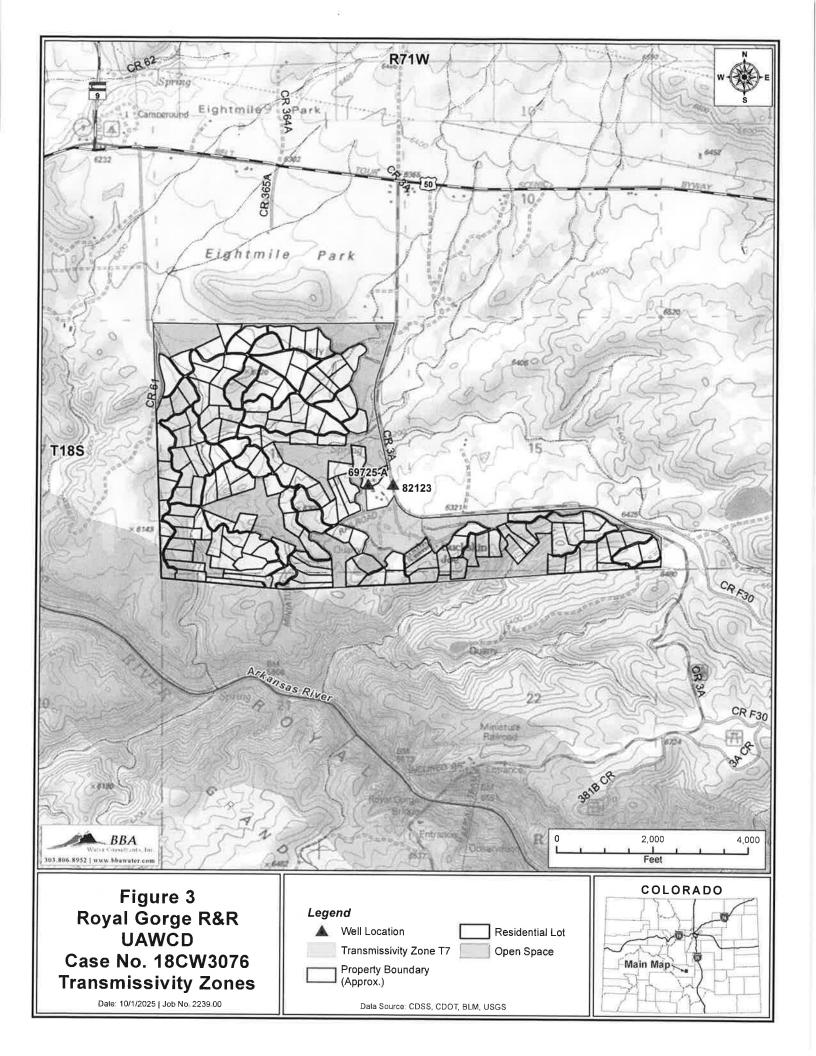


Table 1
Royal Gorge Ranch and Resort
Fixture Water Demand Analysis

		Indoor Water Demand	1	
Fixture / Appliance	Gallons per Minute	Minutes per Day	Gallons per Day	
Kitchen Faucet	2.2	10	22	
Bathroom Faucet	2.2	10	22	
Shower Faucet	2.5	20	50	
	Gallon Per Flush or	Flush or Load Per		
Fixture / Appliance	Load	Day	Gallons per Day	
Toilet	1.6	13	20.8	
Clothes Washer (5 loads/wk)	19	0.71	13.49	
Dish Washer	4.5	11	4.5	
	Gallons per Person			
Fluid Intake	per Day	Persons	Gallons per Day	
Potable Water Fluid Intake	2.5			
Estimate	135.29			
Es	sidence (gal/yr/unit):	49,381		
Es	timated Water per Res	sidence (AF/yr/unit):	0.15	

Notes:

- Assumes low flow rate, WaterSense certified fixtures and Energy Star certified appliances. Values increased from certification standards to be conservative.
- Assumes 2.5 persons per household, increased from 2016-2022 reported United States Census Bureau Fremont County persons per household of 2.3.

Table 2
Royal Gorge Ranch and Resort
Comparison of Water Use Rates

	Fixture	Case No.	2016 City of	2017 Denver		
	Analysis	16CW3127,	Boulder Water	Water Efficiency	2021 Pueblo Water	
Parameter	(Table 1)	Division 1	Efficiency Plan	Plan	Water Efficiency Plan	
Reported Indoor Water			61			
Use (gal/person/day)	: - :	:="	61	50	54.7	
	Equivale	nt Royal Gorge	Ranch and Resort V	Vater Demand at 2.	5 Persons per Unit	
Estimated Indoor Water	135.3				•	
Use (gal/day/unit)	133.3	106.0	152.5	125.0	136.8	
Estimated Indoor Water	40.201	20.600				
Use (gal/yr/unit)	49,381	38,690	55,663	45,625	49,914	
Estimated Indoor Water	0.15	0.10				
Use (AF/yr/unit)	0.15	0.12	0.17	0.14	0.15	

Notes:

- 16CW3127 water use based on decreed single family home indoor water use.
- City of Boulder water use equal to reported single family home indoor water use rate for 2012-2015.
- Denver Water water use equal to reported single family residential indoor use.
- Pueblo Water water use equal to reported average residential indoor use.

Table 3 Royal Gorge Ranch and Resort Demand, Net Aquifer Depletion, and Consumptive Use

				Wa	ter Demands (1	52 units)				
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]
			Incidental Ou	tdoor Water						. ,
ļ	Indoor Water	Demand (AF)	Deman	d (AF)	Total Water I	Demand (AF)	Total Water D	emand (gpm)	Total Den	and (gpd)
Month	Per Lot	Total	Per Lot	Total	Per Lot	Total	Per Lot	Total	Per Lot	Total
Jan	0.0166	2.53	0.0007	0.11	0.0174	2.64	0.127	19.30	183	27,796
Feb	0.0150	2.29	0.0007	0.11	0.0158	2.40	0.128	19.39	184	27,92
Mar	0.0166	2,53	0.0007	0,11	0.0174	2.64	0.127	19.30	183	27,79
Apr	0.0161	2.45	0.0007	0.11	0.0169	2.56	0.127	19.33	183	27,83
May	0.0166	2.53	0.0007	0.11	0.0174	2.64	0.127	19.30	183	27,796
Jun	0.0161	2.45	0.0007	0.11	0.0169	2.56	0.127	19.33	183	27,836
Jul	0.0166	2.53	0.0007	0.11	0.0174	2.64	0.127	19.30	183	27,796
Aug	0.0166	2.53	0.0007	0.11	0.0174	2.64	0.127	19.30	183	27,796
Sep	0.0161	2.45	0.0007	0.11	0.0169	2.56	0.127	19.33	183	27,836
Oct	0.0166	2,53	0.0007	0.11	0.0174	2.64	0.127	19.30	183	27,796
Nov	0.0161	2.45	0.0007	0.11	0.0169	2.56	0.127	19.33	183	27,836
Dec	0.0166	2.53	0.0007	0.11	0.0174	2.64	0.127	19.30	183	27,796
Annual	0.1960	29.79	0.0090	1.37	0.2050	31.16	0.127	19.30	183	27,799

	Net Aquifer Depletion and Consumptive Use (152 units)									
	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]
			Incidenta	Outdoor			950			21
		nptive Use (AF)	Consumptiv	e Use (AF)	Total Consum	ptive Use (AF)	Total Consump	tive Use (gpm)	Total Consumptive Use (gpd	
Month	Per Lot	Total	Per Lot	Total	Per Lot	Total	Per Lot	Total	Per Lot	Total
Jan	0.0017	0.25	0.0007	0.11	0.0024	0.37	0.018	2.68	25	3,856
Feb	0.0015	0.23	0.0007	0.11	0.0023	0.34	0.018	2.77	26	3,985
Mar	0.0017	0.25	0.0007	0,11	0.0024	0.37	0.018	2,68	25	3,856
Apr	0.0016	0.24	0.0007	0.11	0.0024	0.36	0.018	2,71	26	3,896
May	0.0017	0.25	0.0007	0.11	0.0024	0.37	0.018	2,68	25	3,856
Jun	0.0016	0.24	0.0007	0.11	0.0024	0.36	0.018	2.71	26	3,896
Jul	0.0017	0.25	0.0007	0.11	0.0024	0.37	0.018	2.68	25	3,856
Aug	0.0017	0.25	0.0007	0.11	0.0024	0.37	0.018	2,68	25	3,856
Sep	0.0016	0.24	0.0007	0.11	0.0024	0.36	0.018	2.71	26	3,896
Oct	0.0017	0.25	0.0007	0.11	0.0024	0.37	0.018	2.68	25	3,856
Nov	0.0016	0.24	0.0007	0.11	0.0024	0.36	0.018	2.71	26	3,896
Dec	0.0017	0.25	0.0007	0.11	0.0024	0.37	0.018	2.68	25	3,856
Annual	0.0196	2.98	0.0090	1.37	0.0286	4.35	0.018	2,69	26	3,878

Notes

Annual amounts are calculated and are not sums of monthly values to avoid rounding errors.

- [1] Equal to 175 gallons per day per lot:
- [2] Equal to [1] * 152 dwellings.
- [3] Equal to 244 gallons per month per lot.
- [4] Equal to [3] * 152 dwellings.
- [5] Equal to sum of [1] and [3].
- [6] Equal to sum of [2] and [4].
- [7] Equal to [5] converted to gallons per minute.
- [8] Equal to [6] converted to gallons per minute.
- [9] Equal to [7] times 1440 minutes/day.
- [10] Equal to [8] times 1440 minutes/day.
- [11] Equal to [1] * 10% for non-evaporative onsite wastewater treatment system.
- [12] Equal to [2] * 10% for non-evaporative onsite wastewater treatment system.
- [13] Equal to [3] * 100% for incidental outdoor use (e.g. window and bike washing).
- [14] Equal to [4] * 100% for incidental outdoor use (e.g. window and bike washing).
- [15] Equal to sum of [11] and [13].
- [16] Equal to sum of [12] and [14].
- [17] Equal to [15] converted to gallons per minute.
- [18] Equal to [16] converted to gallons per minute.
- [19] Equal to [17] times 1440 minutes/day.
- [20] Equal to [18] times 1440 minutes/day.



Table 4 Royal Gorge Ranch and Resort **Summary of Nearby Wells**

Permit	Well depth	WCTR	PITR	WCTR	PITR Yield	Top and bottom	Total screen	
Number	(ft)	SWL (ft)	SWL (ft)	Yield (gpm)	(gpm)	screen depth (ft)	(ft)	Status
12347	56	40		10		30-56	26	Well constructed
42735	160	35	35	0.17	0.17	100-160	60	Well constructed
50025	41	30	30	3	3	21-41	20	Well constructed
63907	75	40		0.5		35-75	40	Well constructed
64149	100	30		1		20-40, 60-100	60	Well constructed
67077	100	50	60	0.75	10	60-100	40	Well constructed
68274	120	35		0.5		40-60, 80-120	60	Well constructed
69725	148	50		1		48-68, 88-148	80	Well constructed
69725-A	540			0.05		460-540	80	Well constructed
78124	200	42		0.75		38-48, 175-200	35	Well constructed
82123	225	50		2		65-85, 100-225	45	Well constructed
84809	170	80	28	0.5	4.36	•		Well constructed
90330	140	35	35	1.5	1.5	80-140	60	Well abandoned
103176	80	30	30	4	4	50-80	30	Well constructed
144365	120	70	7 1	30	15	60-120	60	Well constructed
155379	158	25		3-4		20-40, 60-80, 120-158	78	Well constructed
168370	300	120	120	2	2	255-295	40	Well constructed
170083	100	30		1				Well constructed
174707	200	41	41	1	1			Well constructed
213831	550	200	180	4	5	470-490, 510-530	40	Well constructed
239138	300	200	20	1	15	220-300	80	Well constructed
260181	580	230	235	20	10	500-580	80	Well constructed
269113	360	110	110	3	3	280-360	80	Well constructed
269192	500	50	40	0.5	8	420-500	80	Well constructed
290267	400	45		1		320-400	80	Well constructed
293414	300							Well constructed
317074	80	13	**					Well constructed
112351-A	42	12		3		22-42	20	Well constructed
114084-A	250	101	105	Dry	0.067			Well constructed
117041-A	160	30		1.5		60-160	100	Well constructed
198382-A	200	80		1.5		80-100, 160-200	60	Well constructed
278599 ²	300							Permit canceled
314982 ³	80	13						Permit canceled
50025-A	193	22	22	1.25	1.25			Well constructed
90330-A	140	20	20	0.5	0.5	60-140	80	Well constructed
Average	203.1	61.2	69.4	3.3	4.9			on constructed
Median	160.0	40.5	37.5	1.0	3.0			
Max	580	230	235	30	15			
Min	20	12	20	0.05	0.067			

^{1.} Potential typo on the pump installation report.

SWL = static water level gpm = gallons per minute

WCTR = well construction and testing report PITR = pump installation and testing report

ft = feet

^{2.} Permit canceled and new permit is 293414.

^{3.} Changes/expands place of use of permit no. 317074.

Table 5 Royal Gorge Ranch and Resort Individual Well Test

Well	Permit No. 69725-A		Wel	Il Permit No. 82123	
Date and Time	Meter Reading (gal)	Rate (gpd)	Date and Time	Meter Reading (gal)	Rate (gpd)
3/30/2023 12:00	67890		3/30/2023 12:00		
4/3/2023 10:41	70255	599	4/3/2023 10:41	90605	601
4/4/2023 10:41	707 17	462	4/4/2023 10:41	91172	567
4/5/2023 10:41	71161	444	4/5/2023 10:41	91728	556

Notes:

Well test performed by Ricks Pump Service, Inc. Wells were pumped to waste using a pumpsaver. Each well would cycle on and off, each time drawing the pumping water level down to the pump intake.





ATTACHMENT A

GATTED-

Lot: 147 157386 sq. ft 3.61 Acres

152 RESIDENTAIL LOTS 3

200.23 ACRES DESIGNATI

NOTES:

GATED

Lot: 148 153470 sq. ft 3.52 Acres

146 sq. ft cres

MIN. FRONT SETBACKS:

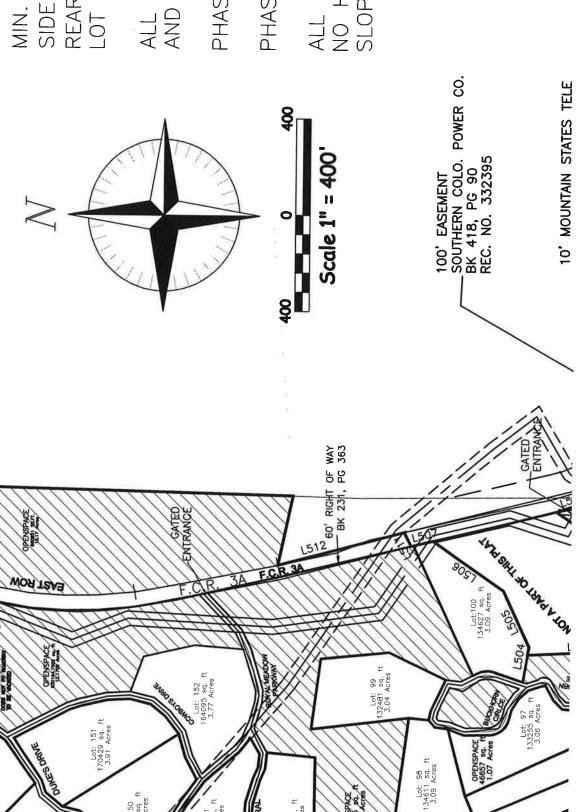
SIDE: 10' MIN. REAR: 10' MIN. LOT SIZE 3 ACRE MIN.

ALL ROADS ARE PRIVATAND UTILITY EASEMENTS

PHASING: 1 PHASE

PHASE 1, 152 HOME L

ALL HOUSES WILL HAVI NO HOMES WILL BE PE SLOPES GREATER THEN



83 sq. ft Acres



ATTACHMENT B

Attachment B

FORM NO. GWS-76 05/2011

WATER SUPPLY INFORMATION SUMMARY

STATE OF COLORADO, OFFICE OF THE STATE ENGINEER 1313 Sherman St., Room 821, Denver, CO 80203

	Main (303) 866-3581 <u>dwr.colorado.gov</u>							
	sufficient in terms	of quantity, qual	uires that the applic	ant submit to the County, "Adequat ity will be available to ensure an ad	te evidence that a water supply that is leguate supply of water."			
1. NAME OF D	1. NAME OF DEVELOPMENT AS PROPOSED: AJET Ventures LLC							
2. LAND USE A	ACTION: Ma	ajor Subdivisi	on					
l .	XISTING PARCEL A							
SUBDIVISIO 4. TOTAL ACR	···	ge Ranch and	R OF LOTS PROP	, FILING (UNIT)				
				evidence or documentation.	ENCLOSED? X YES or NO			
			e 1, 1972? YES					
				une 1, 1972? ☐ YES or ☐ NO				
	scribe the previous							
				ea and tie to a section corner.				
] N or □ S, Range □ E or	r □ W See Attachment A			
]New Mexico ☐Ut					
Optional GP must be met	S Location : GPS Lers, Datum must be	Jnit must use the NAD83, Unit m	ofollowing settings: Just be set to true N	Format must be UTM , Units I, ☐ Zone 12 or ☐ Zone 13	Easting: Northing:			
8. PLAT - Loca	tion of all wells on p	property must be	plotted and permit	numbers provided.				
	8. PLAT – Location of all wells on property must be plotted and permit numbers provided. Surveyor's Plat: YES or NO If not, scaled hand drawn sketch: YES or NO							
	WATER REQUIRE			10. WATER SUPPLY SOURCE				
1	JSE	WATER RE	QUIREMENTS	☐ EXISTING ☐ DEVELOPED	MNEW WELLS -			
	. = =	Gallons per Day	Acre-Feet per Year	WELL SPRING	PROPOSED AQUIFERS - (CHECK ONE)			
HOUSEHOLD USI	# 152 of units	$\frac{175 \text{ gal/d}}{}$	0.196 AF/year	WELL PERMIT NUMBERS	☐ ALLUVIAL ☐ UPPER ARAPAHOE			
COMMERCIAL US	E# of- S F-	1		ro 	☐ UPPER DAWSON ☐ LOWER ARAPAHOE			
			-		☐ LOWER DAWSON ☐ LARAMIE FOX HILLS			
IRRIGATION # $\frac{0}{}$	of oo-on				□ DENVER □ DAKOTA			
IKKIGATION# <u>~</u>	or acres		-	,	other Crystalline Bedrock			
STOCK WATERIN	c#0 of head			MUNICPAL				
Minor	Outdoor	244 gal/m	0.000 454	☐ ASSOCIATION	WATER COURT DECREE CASE			
OTHER:	-	27,796 gal/d	0.009 AF/yr 31.16 AF/yr	COMPANY	NUMBERS: 18CW3076, Division 2			
				DISTRICT	propose 0.04 AF/yr			
152 household un	its + minor outdoor			NAME LETTER OF COMMITMENT FOR	augmentation per lot			
See Water Resource	ces Report.			SERVICE THE OF THE	1			
11. WAS AN EN	GINEER'S WATER	SUPPLY REPO	RT DEVELOPED?	YES or NO IF YES, PLEAS	E FORWARD WITH THIS FORM.			
Carrier and Carrie	required before ou EWAGE DISPOSAL		Meted.)					
	TYPIOL DIGI COAL	OTOTEM						
,—	TANK/LEACH FIEL	.D		CENTRAL SYSTEM				
	TANK/LEACH F I EL	.D		☐ CENTRAL SYSTEM DISTRICT NAME:				
☐ LAGOON		.D		☐ CENTRAL SYSTEM DISTRICT NAME: VAULT				
			ering design.)	DISTRICT NAME:	ED TO:			

Exhibit 20.1 - Water Source Documentation

Potable Water Source Clarification

The proposed potable water source for the Royal Gorge Ranch & Resort PUD remains individual on-site wells for each lot.

Following project modifications, the **total number of lots has been reduced** to 152 across 772 acres, resulting in a corresponding **decrease in overall water demand** compared to earlier designs. Wells will be supplemented by cistern systems to maximize aquifer sustainability and meet peak day water needs.

This approach, supported by the updated **Water Resources Report and Hydrology Study** by BBA Water Consultants, Inc. (see Exhibit 20.1.1), ensures a sustainable potable water supply while reducing the overall burden on the aquifer. The drainage design, as separately documented, remains more than adequate for the revised lot configuration and **supports the project's long-term viability**.

We appreciate the County's concerns regarding long-term water reliability and fire protection – please know we are committed to ongoing coordination to ensure that an adequate, safe, and sustainable water supply is achieved.

Exhibit 22.1 - Physical Access for Proposed Subdivision

All residential lots within the Royal Gorge Ranch & Resort PUD will be accessed exclusively via the five designated entry points along Fremont County Road 3A. These five access points are the only approved means of ingress and egress for RGRR residents, guests, and service providers.

The existing gravel county road located along the far western edge of the property will **not** be used for any regular access and is reserved solely for emergency response purposes.

This access plan is consistent with Fremont County Subdivision Regulations regarding controlled lot access and safety standards.

A detailed Roadway Impact Form (Appendix II), prepared by a licensed Colorado transportation engineer, is included with this submittal and provides further analysis of the proposed access design and its alignment with county regulations and public safety considerations.

Royal Gorge Ranch & Resort - Interior Roadway Names

- Duke's Drive
- Royal Meadow Drive
- Royal Meadow Parkway
- Royal View Drive
- Razor Ridge Drive
- Redtail Drive
- Royal Quarry Drive
- Royal Meadow Lane
- Sangre de Cristo Lane
- Old Corral Lane
- Claret Cup Trail
- Gorge Creek Lane
- Point Alta Vista Drive
- Buckhorn Circle
- Trestle Lane
- Bridge View Circle
- Panoramic Ridge
- John Wayne Parkway
- Royal Amphitheater Drive
- Epic View Circle
- Buckskin Joe Parkway
- Club House Drive
- Red Cedar Circle
- Red Quartz Circle
- Inspiration Point Circle
- East Meadow Loop



CAÑON CITY AREA FIRE PROTECTION DISTRICT

1475 North 15th Street Cañon City, Colorado 81212 (719) 275-8666

11 March 2025

Ty Seufer Royal Gorge Ranch and Resort 45045 Hwy 50 Cañon City, CO 81212

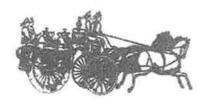
Royal Gorge Ranch and Resort development review

On 6 March 2025, we met with the development owner to understand the changes in the proposal. After understanding and reviewing these changes, we are prepared to reissue previous comments for the development. These requirements are either already in place (i.e. water supply cisterns, accessible roads, etc.) or are planned to be in place (i.e. Knox gate access, labeled roads and addresses, etc.)

This document now reads as a 6 page document, capturing the previously issued comments for the project over the years. These comments remain in place and are expectations to meet for project completion.

We appreciate your commitment and trust.

Austin Breuninger Life Safety Officer



CAÑON CITY AREA FIRE PROTECTION DISTRICT

1475 North 15th Street Cañon City, Colorado 81212 (719) 275-8666

November 23, 2021

Ty Seufer Royal Gorge Ranch and Resort 1 Buckskin Joe Parkway Canon City, CO 81212

Ty,

Per your request, this letter shall serve as guidance for use of the Fire Protection Cisterns within the Royal Gorge Ranch and Resort. This letter does not replace or alter any requirements previously stated in earlier correspondence regarding this matter. The owner and fire district agree to the following maintenance and use responsibilities.

Royal Gorge Ranch and Resort agrees:

- 1. The water in the cisterns is for fire protection use only. Any other use shall be reviewed prior to use, and approved solely by the Canon City Area Fire Protection District.
- 2. To keep each cistern full of water, to the maximum capacity of that cistern, at all times.
- 3. To inspect and maintain the cistern tanks, valving, adjacent areas, vehicle accessibility, and water level of each cistern monthly; and keep this record on file for inspection.
- 4. That any maintenance and expense required to keep the cisterns in a full ready state, as originally accepted, is the full responsibility of the Royal Gorge Ranch and Resort.
- 5. To grant the Canon City Area Fire Protection District to use the water contained in the cisterns for any fire protection or suppression use and manner they see fit. This includes use of the water on properties other than the Royal Gorge Ranch and Resort.

Canon City Area Fire Protection District agrees:

- 1. That any water taken from the cistern(s), used for any off-property fire protection, or suppression of any fire, that does not pose a threat to the Royal Gorge Ranch and Resort property, shall be replenished by the fire district at their cost.
- 2. Periodically inspect the cisterns and their maintenance records for compliance with acceptance terms.

If I can be of further assistance, or if I can answer any questions please feel free to contact me.

Very truly yours,

Assistant Chief

Canon City Area Fire Protection District

719-275-8666

3-2-2019

Ty Seufer Royal Gorge Resort 45045 Hwy. 50 Canon City, Co. 81212

Ty;

I have reviewed the plan for the proposed Royal Gorge Resort, Fremont County Road 3A Canon City, Colorado. Requirements as noted:

- Fire apparatus access roads to have an unobstructed width of 16'. Existing and proposed gravel roadways must be maintained for fire apparatus access. Roadways, bridges, culverts must be capable of supporting 50,000 lb. fire apparatus in all weather conditions and comply with Fremont County compaction requirements. (See Fremont County Road Specifications). Roadways must be less than 10% grade. A vertical clearance of 13' 6" must be maintained above the required width of all roadways.
- Road names, Road signs, addressing and posting of addresses must be submitted for approval
- Documentation of home sizes, construction materials must be submitted for cistern sizing. Additional cisterns may be required in the commercial/business zoned area as construction takes place. The north three cisterns on CR 3A are recommended to be a minimum of 30,000 gallons, which will aid in the ISO rating for the commercial zone and surrounding areas. Permits, fees and submittal of cistern plans will be required before construction of cisterns. Cisterns must be in place and usable before homes are moved on site.
- Fire mitigation work will be required around each home site and along roadways. Mitigation along roadways will ensure escape routes.
- An additional direct roadway entrance will be required at the current Royal Gorge Railway
- Locked or electric gates will require Fire Department key boxes or switches. Gates must be a minimum of 20' in width and no less than 30' from the intersection. Gates must swing inward toward the subdivision.
- Permit fee of \$210.00 for plan review and inspections.
- Impact fee of \$304.00 will be assessed on each site when a home is moved in If I can be of further assistance, or if I can answer any questions, please feel free to contact me.

Sincerely,

Joel Foster Battalion Chief



CAÑON CITY AREA FIRE PROTECTION DISTRICT

1475 North 15th Street Cañon City, Colorado 81212 (719) 275-8666

06-14-2021

Ty Seufer Royal Gorge Ranch and Resort 1 Buckskin Joe Parkway Canon City, CO 81212

Ty,

Per your request, this letter shall serve as our official acceptance of the Fire Protection Cisterns for the Residential development within the Royal Gorge Ranch and Resort.

- You have provided and installed 4 separate fire cisterns with the required fittings. These cisterns have all been flow tested and all 4 meet the minimum flow requirements of 1000 GPM.
- The approximate locations of these cisterns are:
 - The north western end of your property on County Road 61.
 - At the north eastern most entrance where Royal Quarry Drive meets County Road 3A.
 - Near the main entry, Buckskin Joe Parkway and County Road 3A.
 - At the east end of Buckskin Joe Parkway near where it meets County Road 3A.
- To remain compliant these cisterns must remain full at all times, and are required to be checked at least once per month.

Keep in mind that these cisterns are calculated for Fire Protection water for the residences. Any future commercial development will require recalculation and additional cisterns at that time.

If I can be of further assistance, or if I can answer any questions please feel free to contact me.

Sincerely,

Ron A Cook

Ron Cook Life Safety Officer



CAÑON CITY AREA FIRE PROTECTION DISTRICT

1475 North 15th Street Cañon City, Colorado 81212 (719) 275-8666

08-24-2020

Ty Seufer Royal Gorge Ranch and Resort 1 Buckskin Joe Parkway Canon City, CO 81212

Ty,

Per our conversations, and at your request, this letter will hopefully answer questions in regards to the roads within the residential development within the Royal Gorge Ranch and Resort.

- In a January 27, 2020 letter I identified some street names that were possibly in conflict.
 After further review the only perceived conflict was Grand View Circle. This has been renamed Epic View Circle and that is acceptable to us.
- In a March 2nd, 2019 letter from Battalion Chief Foster, it addressed road construction guidelines. Myself and Chief DelVecchio have made several trips to the ranch, the most recent time was 07-16-2020. I'm glad to say that the roads are developing nicely and with the future culvert improvements and finishing of them with class 6 road base they should meet our access requirements. Our understanding is that some of these will be designated as one way roads, and all roadways shall be designated as no parking on the roadways. We will still need to come look at the roads after all utility work is completed to make a final assessment.

If I can be of further assistance, or if I can answer any questions please feel free to contact me.

Sincerely,

Ron A Cook

Ron Cook Life Safety Officer