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March 19, 2024

re: Falling Creek RV Concurrency Impact Analysis

The proposed development will be on private septic systems and a private well.

Criteria for analyses:

- Trip generation was calculated per the ITE Trip Generation Manual, 9th edition, ITE code 416
- Potable Water Analysis per Chapter 64E-6.008 Florida Administrative Code, Table 1
- Sanitary Sewer Analysis Chapter 64E-6.008 Florida Administrative Code, Table 1
- Environmental Engineering: A Design Approach, Sincero and Sincero, 1996

Summary of analyses:

- Trip generation: 371 ADT & 51 Peak PM trips
- Potable Water: 3000 gallons per day
- Potable Water: 3000 gallons per day
- Solid Waste: 73 tons per year

See attached Concurrency Worksheet.

Please contact me at 307.680.1772 if you have any questions.

Respectfully,

Carol Chadwick, P.E.

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**REVISED CONCURRENCY
WORKSHEET**

**1075 RV
MAY 12, 2022**

Trip Generation Analysis

ITE Code	ITE Use	ADT Multiplier	PM Peak Multiplier	Acres*	Total ADT	Total PM Peak
416	Campground/RV Park	74.38	10.26	4.99	371.16	51.20

*Per acre

Potable Water Analysis

Ch. 64E-6.008, F.A.C. Use	Ch. 64E-6.008, F.A.C. Gallons Per Day (GPD)	Ch. 64E-6.008, F.A.C. Multiplier*	Total (Gallons Per Day)
Campground/RV Park	75.00	40.00	3000.00

* Multiplier is based upon Ch. 64E.6008, Florida Administrative Code and can vary from square footage, number of employees, number of seats, or etc. See Ch. 64E-6.008, F.A.C. to determine multiplier.

Sanitary Sewer Analysis

Ch. 64E-6.008, F.A.C. Use	Ch. 64E-6.008, F.A.C. Gallons Per Day (GPD)	Ch. 64E-6.008, F.A.C. Multiplier*	Total (Gallons Per Day)
Campground/RV Park	75.00	40.00	3000.00

* Multiplier is based upon Ch. 64E.6008, F.A.C. and can vary from square footage, number of employees, number of seats, or etc. See Ch. 64E-6.008, F.A.C. to determine multiplier.

Solid Waste Analysis

Use	Tons Per Dwelling Unit**	Total Floor Area*	Total (Tons Per Year)
Campground/RV Park	1.83	40.00	73.00

**0.73 tons per person per year x 2.5 person per household = 1.825 tons per dwelling unit