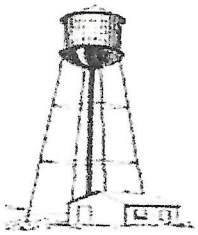


Ben-Tech LLC

2517 Elm Circle, Lake Wales FL 33898
(772) 201-3299
(863) 368-0771

August 26, 2024

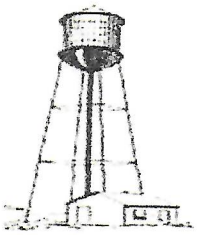
Bart Allen
Peterson & Myers, P.A.
225 E. Lemon St.
Lakeland, FL 33801
Tel 863-683-601 1

Reference: **Grenefefe UEA**
Utility Conversion Data Analysis

Mr. Allen,

Grenefefe water plant, permitted with SWFWMD (Water Use Permit No.: 20 021107.000), currently has an annual average quantity of 477,500 gallons per day (gpd) and the peak month quantity of 620,800 gpd (averages, based on 12-month use). Currently the existing residents and commercial are utilizing 144,000 gpd. The proposed new development consisting of 2,069 single family units and 60,000 s.f. of commercial will need to set aside capacity of 607,940 gpd, see breakdown in chart below.

The existing water plant has the capacity from both wells to withdraw 1 MGD of water in a given day. As new demand comes online the WUP permit will be expanded to account for the additional development.



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PROPOSED USE	NO.	UNIT	GPD MULTIPLIER	SUBTOTAL GPD
TOWNHOMES (SINGLE FAMILY ATTACHED)	298	PER UNIT	300	89400
34'X120' (SINGLE FAMILY ATTACHED)	38	PER UNIT	300	11400
50'X120' (SINGLE FAMILY DETACHED)	1010	PER UNIT	310	313100
60'X120' (SINGLE FAMILY DETACHED)	572	PER UNIT	310	177320
125'X160' (ESTATE LOTS)	28	PER UNIT	340	9520
OTHER NONE RESIDENTIAL (COMMERCIAL - RETAIL)	60000	PER 1 S.F.	0.12	7200
TOTALS				**607940**

In my professional opinion the existing plant can handle all the existing customers in addition to the proposed 2,069 residential units and 60,000 SF of commercial with existing withdraw capacity of 1 MGD.

KEITH BURGE
BEN-TECH LLC