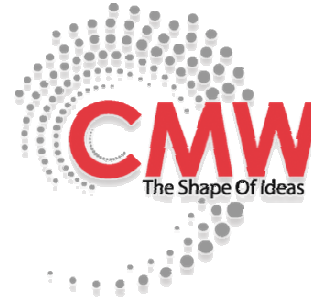


June 14, 2021



Dear Authorities having Jurisdiction,

Project: The Farms @ Barnes Mill
Goggins Lane & Barnes Mill Road
Daily Water Demand Assessment

Commercial Water Demand

Type	Quantity	Rate	Gallons per day
Commercial	66 acres	2,000 gpd/acre	132,000 gpd
Institutional	900 seats	5 gpd/seat	4,500 gpd
Institutional	700 people	35 gpd/person	24,500 gpd
<u>Commercial Daily Water Demand</u>			<u>161,000 gpd*</u>

* Does not include fire flow

Residential Water Demand

Type	Quantity	Rate	Gallons per day
4-Family Cluster	40 units	180 gpd/unit	7,200 gpd
Patio Residential	80 units	180 gpd/unit	14,400 gpd
Garden Residential	83 units	270 gpd/unit	22,410 gpd
2-Family Residential	96 units	270 gpd/unit	25,920 gpd
Townhouse Residential	130 units	270 gpd/unit	35,100 gpd
Village Residential	127 units	270 gpd/unit	34,290 gpd
Executive Residential	54 units	360 gpd/unit	19,440 gpd
Estate Residential	30 units	450 gpd/unit	13,500 gpd
Multi-Family	34 acres	2,800 gpd/acre	95,200 gpd
<u>Residential Daily Water Demand</u>			<u>267,460 gpd*</u>

* Does not include fire flow

Sincerely,

Patrick Deming, PE
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