NORTH POINT DEVELOPMENT
ERC AND GREASE TRAP CALCULATIONS
10/15/2018

Water ERC Calculation:

	QTY	GPD	TOTAL
Office (Per 100 square feet of floor space)	273	15	4,095 GPD
Shopping Centers (Without food or laundry per square foot of floor space)	2200	0.1	220 GPD
Restaurant (Operating 16 hours or less per day per seat)	221	40	8,840 GPD
Total Units =	2694		
Total Average Daily Demand =			13,155 GPD

Water ERC's

13,155 GPD / 250 GPD / ERC = **53 ERC**

Wastewater ERC Calculation:

Office (Per 100 square feet of floor space)	273	15	4,095 GPD
Shopping Centers (Without food or laundry per square foot of floor space)	2200	0.1	220 GPD
Restaurant (Operating 16 hours or less per day per seat)	221	40	8,840 GPD
Total Units =	2694		
Total Average Daily Demand =			13,155 GPD

Wastewater ERC's = **53 ERC**

Grease Trap Calculations[1]

[2]Grease Trap Volume = (S) X (GS) X (HR/12) X (LF) = 221 seats x 25 gallons / seat x 16 hr/12 x 0.75 = **5,525 Gallons**

Use 5,750 Gallons

Where:

S = # of seats in the dining area (221 seats)

GS = gallons of wastewater per seat;

use 25 gallons for ordinary restaurant

use 10 gallons for single service article

HR = # of hours establishment is open

LF = Loading Factor

use 2.0 interstate highways

use 1.5 other freeways

use 1.25 recreational areas

use 1.0 main highways

use 0.75 other roads

[1]Note: Grease Trap Calculations only provided for the Restaurant.

[2]State of Florida Department of Health, Chapter 64E-6, Florida Administrative Code