SEWER GENERATION IS BASED ON 95% OF INDOOR WATER DEMAND PROJECTION

ATTACHMENT Q MUST BE COMPLETE BEFORE PROCEEDING

SEWER GENERATION PROJECTION WORKSHEET

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ATTACHMENT Q MUST BE COMPLETE BEFORE PROCEEDING

SEWER GENERATION IS BASED ON 95% OF INDOOR WATER DEMAND PROJECTION

Key:

- GPD<sub>w</sub> = GPD Water Demand Projected from Attachment Q
- GPD<sub>s</sub> = GPD Sewer Demand Projected

A. RESIDENTIAL

GPD<sub>w</sub> X 0.95 = GPD<sub>s</sub>

B. OFFICE/COMMERCIAL

GPD<sub>w</sub> X 0.95 = GPD<sub>s</sub>

C. HOTEL

GPD<sub>w</sub> X 0.95 = GPD<sub>s</sub>

D. RESTAURANTS

GPD<sub>w</sub> X 0.95 = GPD<sub>s</sub>

E. ALL OTHERS TO BE REVIEWED ON A CASE BY CASE BASIS

= GPD<sub>s</sub>

F. INFILTRATION

1. PVC pipe: _______ miles X 100 GPD X ______ diameter (in.) = _______ GPD<sub>s</sub>
2. Clay pipe: _______ miles X 500 GPD X ______ diameter (in.) = _______ GPD<sub>s</sub>

G. AVERAGE DAILY FLOW

= GPD (SUM OF A - F)

H. PEAK DIURNAL HOURLY FLOW* FOR PUMPING STATIONS

Peak Business Hr. Flow = [(B+C+E)/12 hrs + (F/24 hrs)] x 2.5/60 min + [(A+D)/12 hrs]/60 min = GPM

2. Peak Off-Hrs. Flow = [(A+C+D)/12 hrs + (F/24 hrs)] x 2.5/60 min + [(B+E)/12 hrs]/60 min = GPM

* Peak hourly diurnal flows assume an effective 12-hour day and that office and residential peaks occur at separate times.

I. PEAK WET WEATHER FLOWS

PWWF for pipes shall be calculated using methodology specified per Design Criteria VI. For Pump Stations, Peaking Factor shall be the higher value calculated for pipe PWWF or 2.5 times the Peak Diurnal Flows calculated in Step (H.) above.