Worksheet No. 1: TOB Projected Sewer Loadings and Capacity Worksheet

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Downstream Sewer Capacity Worksheet

Disclaimer: *The information presented herein is for information purposes only until a site plan has been approved. Additional development or field conditions may change the capacity within the sanitary sewer system prior to site plan submittal and approval. Once a site plan is approved, the Town will use its best efforts to reserve the capacity for the site unless the site plan expires prior to development.*

Name of Development Project: **Clay Street Apartments PRD**

A.) Calculate the Projected Average Daily Flows from the Development:

TOB Design Loadings			Total Project Loadings		
Use	**gallons per day**	**Sewer Loadings**	**Total Number**	**units**	**Average GPD Flow**
Family Dwelling	170	per dwelling		dwellings	0
Town Home	170	per home		homes	0
Multifamily/Apartments	75	per bedroom	72	bedrooms	5400
Car Wash	450	450 ea		each	0
Retail Store	40	per 1000 sf		square feet	0
Office Spaces	40	per 1000 sf		square feet	0
Industrial Facilities	350	per acre		acres	0
Hotel/Motel	150	per 1000 sf		square feet	0
Restaurants	150	per 1000 sf		square feet	0
Medical Office	150	per 100 sf		square feet	0
Other Flows (See VSCAT Table 3.)					
			(A.) Total Average Daily Flow =		5,400

B.) Calculate the average infiltration rate from new sewer pipe:

Total Length of new sewer pipe for project (B1)=	190	ft
Infiltration factor (B2)=	1.5	gpd/ft
(B.) Total Average Infiltration (B1 x B2) =	285	gpd

C.) Input average daily flows into sewer model

(C1) Total projected average daily develoment sewer flow (A+B) =	5,685	gpd
Model node for development:		