



FREDERICK

MARYLAND

Flow Capacity Matrix

TYPE OF DEVELOPMENT	Flow Factor Unit of Measure		Flow Factor		Calculated Flow, gpd
Restaurant > 100 seats	# of Seats	X	18.0	=	
Restaurant < 100 seats	# of Seats	X	13.0	=	
Fast Food/Carryout	Gross Sq. Ft.	X	0.37	=	
General Office Building	Gross Sq. Ft.	X	0.03	=	
Medical Office Building	Gross Sq. Ft.	X	0.07	=	
Laboratory / Office Building	Gross Sq. Ft.	X	0.25	=	
Beauty Salon	Gross Sq. Ft.	X	0.3	=	
Barber Shop	Gross Sq. Ft.	X	0.2	=	
Laundromat	# of Machines	X	180	=	
Hotels/Motel	# of Units	X	100	=	
Garage/Gas Station	Gross Sq. Ft.	X	0.04	=	
Auto Sales/Storage	Gross Sq. Ft.	X	0.03	=	
Warehouse	Gross Sq. Ft.	X	0.005	=	
Bank	Gross Sq. Ft.	X	0.012	=	
Retail Store, stand-alone	Gross Sq. Ft.	X	0.04	=	
Shopping Center	Gross Sq. Ft.	X	0.075	=	
Strip Mall	Gross Sq. Ft.	X	0.085	=	
Supermarket	Gross Sq. Ft.	X	0.1	=	
Day Care Facility	# of Students	X	9.0	=	
Elementary School	# of Students	X	6.0	=	
Middle School	# of Students	X	5.0	=	
High School	# of Students	X	5.0	=	
Church	# of Sanctuary Seats	X	3.0	=	
Club, Social	Gross Sq. Ft.	X	0.02	=	
Domiciliary Care	# of Beds	X	200	=	
Hospital	# of Beds	X	300	=	
Single Family Dwelling (SF)	1 SF	X	250	=	
Town House Dwelling (TH)	1 TH	X	225	=	
Multi Family Dwelling (MF) Apt./Condo	1 MF	X	175	=	

The following conditions will require submittal of proposed water/sewer usage based on an engineering analysis (M.3 below):

- Any use not listed on the above flow matrix and supported with comparable documentation;
- The use of water-intensive equipment, such as cooling towers, irrigation systems, etc.
- Where required as supporting documentation per the City Engineer.