Simplified Method Form

The City has produced this form to provide a quick and simple approach to managing stormwater on-site. Facilities sized with this form are presumed to comply with basic treatment and flow control requirements.

INSTRUCTIONS	SITE INFORMATION	
1. Enter Square footage of new and/or replaced impervious site area.	(1) Total Impervious Area	6,800 sf
2. Enter amount of area reduction. This includes trees, pervious pavement, green roofs, and areas with rainwater harvesting.	(2) Total Impervious Area Reduction	0 sf
3. Subtract (2) from (1) to calculate total impervious area requiring stormwater facilities (3) = (1) – (2)	(3) Required Mitigation Area	6,800 sf
4. Select desired stormwater facilities from rows (b) through (f) in Column 1, below. Enter the square footage of impervious area that will flow into each facility type in Column 2.		
5. Multiply each impervious area from Column 2 by the corresponding sizing factor in Column 3, and enter the result in Column 4. This is the facility surface area required.		
6. Total Column 2 (Rows b - f) and enter the resulting "Impervious Area Managed" on line (6).	(6) Total Impervious Area Managed	6,800 sf
7. Subtract (6) from (3) and enter the result on line (7). This must be zero or less. Submit this form with the application for permit. (7) = (3) - (6)	(7) Remaining Area	0 sf

Column 1	Column 2	Column 3		Column 4
Stormwater Management Facility	Impervious Area Managed	Infiltration Rate	Sizing Factor	Facility Surface Area
b. Infiltration Planter (Standard Plan STD215)	sf	0.5-0.75	0.11	= sf
		0.75-1.25	0.09	= sf
		1.25-1.75	0.07	= sf
		>1.75	0.06	= sf
c. Filtration Planter (Standard Plan STD216)	sf		0.06	= sf
d. Infiltration Rain Garden (Standard Plan STD217)	sf	0.5-0.75	0.11	= sf
		0.75-1.25	0.09	= sf
		1.25-1.75	0.07	= sf
		>1.75	0.06	= sf
e. Filtration Rain Garden (Standard Plan STD217)	6,800 sf		0.06	= 408 sf
f. Vegetated Filter Strip (Standard Plan STD218)	sf		0.20	= sf