

LAND MANAGEMENT

233 Attachment 8

Township of Galloway

TABLE B

For the estimation of Municipal Stormwater Fund Contributions in accordance with § 233-55L(2)(c)[2]

STORMWATER MANAGEMENT FACILITIES MAINTENANCE ACTIVITIES

Name of Development: _____
 Basin Block/Lot Numbers: _____
 Latitude and Longitude: _____
 Year of Application: _____

Maintenance Duration: 20 years
 Total Area of Basin(s): _____ acres
 Total Area of Basin Bottoms(s): _____
 Sand or Grass Bottom Basin: _____
 Number of Outlet Control Structure(s): _____
 Number of Water Quality Control Structure(s): _____
 Type of Water Quality Device
 (Filtration/Ssuspension): F, S, N/A
 Length of Underground Infiltration System: _____ feet

I. MOWING		
1	Hourly Rate for Labor and Equipment Costs (Minimum \$50.00)	
2	Area of Basin to be Mowed (Acres) ¹	
3	Number of Hours per Mowing (2 Hour/Acre of Mowing)	
4	Number of Hours for Mobilization and Equipment Maintenance (2 Hour/Acre of Mowing) (Item 3)	
5	Sum of Mowing Hours and Mobilization Hours (Item 3 + Item 4)	
6	Total Cost per Mowing Maintenance (Item 1 x Item 5)	
7	Number of Mowings per year (Minimum of 10)	
8	Annual Mowing Cost (Item 6 x Item 7)	
9	Miscellaneous Materials (80% of Item 8)	
10	Total Cost (Item 8 + Item 9)	
II. LANDSCAPE MAINTENANCE		
1	Hourly Rate for Labor and Equipment Costs (Minimum \$50.00)	
2	Number of Hours per Year (Minimum 30 Hours)	
3	Annual Landscaping Maintenance Cost (Item 1 x Item 2)	
4	Total Cost of Original Landscaping Plan	
5	Replacement Factor (2%)	
6	Annual Replacement Cost (Item 4 x Item 5)	
7	Total Cost (Item 3 + Item 6)	

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III. SCARIFY AND DESILT BASIN BOTTOM (EVERY 5 YEARS)		
1	Hourly Rate for Labor and Equipment Costs (Minimum \$100.00)	
2	Number of Hours (40 Hour/Acre of Basin Bottom) (Minimum 8 Hours)	
3	Total Labor and Equipment Costs (Item 1 x Item 2)	
4	Cost of Disposal per Cubic Yard of Material (Minimum \$10/CY)	
5	Number of Cubic Yards (Assuming 6 Inches of Removal)	
6	Total Disposal Cost (Item 4 x Item 5)	
7	Cost per Scarification and Desilting (Item 3 + Item 6)	
8	Total Cost for 20 Years (Item 7 x 4 Scarifications/Desilting Activities)	
9	Total Cost per Year (Item 8/20 Years)	
IV. OUTLET CONTROL STRUCTURES		
1	Hourly Rate for Labor and Equipment Costs (Minimum \$50.00)	
2	Number of Hours (12 Hour/Outlet Structure)	
3	Total Labor and Equipment Costs (Item 1 x Item 2)	
4	Original Cost per Outlet Control Structure	
5	Total Cost for Outlet Control Structure(s)	
6	Replacement Factor (5%)	
7	Total Replacement Cost (Item 5 x Item 6)	
8	Total Cost per Year (Item 3 + Item 7)	
V. STORMWATER QUALITY DEVICES		
1	Total Rate of Treated Flow (cfs)	
2	Total Cost per Year Based on Treated Flow Rate (Item 1 x \$200 Suspension or \$500 Filtration)	
3	Total Disposal Cost (20% of Item 2)	
4	Total Cost per Year (Item 2 + Item 3)	
VI. UNDERGROUND INFILTRATION STRUCTURES		
1	Hourly Rate for Labor and Equipment Costs (Minimum \$50.00)	
2	Number of Hours (4 Hour/100 Feet of Underground Structure)	
3	Total Labor and Equipment Costs (Item 1 x Item 2)	
4	Miscellaneous Costs (50% x Item 3)	
5	Total Cost per Year (Item 3 + Item 4)	

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VII. INSPECTION BY TOWNSHIP ENGINEER		
1	Hourly Rate for Labor ²	
2	Number of Hours to review Inspection and Maintenance Documents (2 Hours per Basin Acreage) ³	
3	Number of Hours per Inspection (1 Hours per Basin Acreage) ³ (Minimum 1 Hours)	
4	Number of Hours per Inspection (0.50 Hours per Outlet Structure/Water Quality Structures) ³	
5	Number of Hours per Inspection (0.50 Hour per 100 Feet of Structure) ³	
6	Total Cost (Item 2 + Item 3 + Item 4 + Item 5) x Item 1	
VIII. TOTAL FIRST YEAR COST		
1	Total Cost for Mowing per Year (Item I.10)	
2	Total Cost for Landscaping Maintenance per Year (Item II.7)	
3	Total Cost for Scarifying and Desilting per Year (Item III.9)	
4	Total Cost for Outlet Control Structure(s) per Year (Item IV.8)	
5	Total Cost for Stormwater Quality Device(s) per Year (Item V.4)	
6	Total Cost for Underground Infiltration Structure(s) per Year (Item VI.5)	
7	Total Cost for Township Inspection (Item VII.6)	
8	Total Cost per Year (Item 1 + Item 2 + Item 3 + Item 4 + Item 5 + Item 6 + Item 7)	

Maintenance Guarantee for 20 years: _____
(Item VIII.8 x 20)

- 1 Sand Bottom Basin(s)/Item I.2 = Total Basin Area - Basin Bottom Area
Grass Bottom Basin(s)/Item I.2 = Total Basin Area.
- 2 Hourly Labor Rate to be in accordance with current Township Engineer Hourly Billing Rates (for "Principal").
- 3 Estimate of Hours per Inspection should be rounded up to nearest whole number.