The Municipality of Bethel Park

Permit Procedure for Small Stormwater Management Projects

Bethel Park – Small Project Stormwater Management:

Small Project Definition

Regulated activities that create additional impervious areas of greater than 400 ft^2 and less than 1,000 ft^2. The impervious area on a specific property will be measured on a cumulative basis beginning on May 1, 2017.

Number	*ft^2 of Proposed Impervious Surface*	*Stormwater Management Requirement*
1.	<400	No Requirements
2.	400-1,000 (small project)	Capture and detain the first 2" of any storm event.
3.	>1,000	Comply with Municipal Ordinance 61

Stormwater management for small projects will consist of capturing and detaining the first 2" of any storm event. For the minimum amount of impervious surface (400 ft^2) will require a storage capacity of 499 gallons (call it 500 gallons). For the maximum amount of impervious surface (before entering option number 3 is 1,000 ft^2) and will require a storage capacity of 1,247 gallons (call it 1,250 gallons).

Therefore, small project detention requirements range from **500 gallons to 1,250 gallons**. Capture and detention can be accomplished by a variety of methods, including, but not limited to:

- Rain Barrels
- Rain Gardens
- Stone Sumps (Dry Wells)
    - Fill with clean, AASHTO #3 Stone (40% void space).
- Infiltration Pit/Trench
    - Fill with clean, AASHTO #3 Stone (40% void space).
- A combination of the above methods
- Other methods require the approval of municipal staff

In all cases, the detention method must be designed to drain all accumulated runoff not less than 24-hrs and not more than 72-hrs after the end of the storm event. For example, a rain barrel can be drained through a soaker hose. Appropriate soil percolation conditions must be available for stone sumps and rain gardens and demonstrated by percolation tests.

A maintenance agreement must be signed by the property owner to ensure proper capture and operations of the stormwater management.

See page 2 for submittal and approval process

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Submittals for approval must include:

1) A signed maintenance agreement by the property owner to ensure proper, continual inspection & maintenance of the capture and detention method.
2) A written description of the proposed project, including the dimensions of all proposed new impervious surfaces.
3) A written description of the proposed stormwater management methods.
4) Dimensioned drawing of the proposed stormwater management methods and their locations.
    a. If an infiltration pit/trench is selected, please use our online calculator to assist with your calculations.
        i. https://www.bethelparkpa.gov/area-calculator
5) A list of the proposed impervious surfaces and their square footage.
6) Supporting documentation, such as assumptions, calculations, rain barrel size, stone size, percolation tests, etc.

Construction of the proposed improvements will not begin prior to receiving approval from the Municipality.