On-site List Flowchart (2) for Trail and Sidewalk Projects in the ROW v.1.2

2016 Code
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Sidewalk Project (27)

Requirements

Evaluate Dispersion Feasibility

Hard surface flowpath (14) over 100 feet of vegetation possible?

Yes → Evaluate Category 1 Full Dispersion. See BMP T5.30 in Volume V of SWMMWW

No

Can sheet flow (14) be directed over a minimum vegetated path of 10 feet?

No → Evaluate Infiltration Feasibility

Or

Can concentrated flow (14) be directed over a minimum vegetated path of 25 feet?

Yes → After consideration of Category 2 BMPs, evaluate Category 3 BMPs of Sheet Flow Dispersion and Concentrated Flow Dispersion

Continue → Evaluate Infiltration Feasibility

Evaluate Infiltration Feasibility

Is site within an area mapped No Infiltration Investigation is Required?

Or → Is site in a Landslide-Prone Area?

Or → Is site within a setback above a Steep Slope Area (15)?

Or → Is site within horizontal setbacks (16)?

Yes → No further infiltration investigation required to meet On-site, Flow Control, or Water Quality Treatment requirements (17)

No → Perform Subsurface Exploration & Infiltration Testing (Tables 3.1&3.2 in Volume 3 & Appendix D Stormwater Manual)

No to any → Perform Subsurface Exploration & Infiltration Testing (Tables 3.1&3.2 in Volume 3 & Appendix D Stormwater Manual)

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Evaluate Category 2 Permeable Pavement Surfaces

Discharge to designated receiving water? (11)

Yes → Permeable Pavement Surface not required. See Category 3 dispersion, if applicable.

No

Discharges to combined sewer?

Yes → ≥2,000sf permeable pavement within project site possible?

No → Permeable Pavement Surface not required. See Category 3 dispersion, if applicable.

Yes → Evaluate (19) and utilize Permeable Pavement Surface BMP. (MIN size 250sf) Or proceed to infiltration testing. (18)

No

Discharges to Creek, Wetland, Small Lake or groundwater?

Yes → Evaluate (19) and utilize Permeable Pavement Surface BMP. (MIN size 250sf) Or proceed to infiltration testing. (18)

(14) Delineate sub-basins for all project surfaces by drainage path or BMP that runoff is directed to.

(15) Setback 10 times the height of the ECA steep slope to 500 foot maximum

(16) Horizontal setbacks include:

- 5 ft from building without basement and 10 ft from basement when infiltrating < 5,000sf hard surface
- 5 ft from building and 10 ft from basement between 1H:1V slope from bottom of BMP when infiltrating ≥ 5,000sf
- 100 feet of drinking water supply wells
- Within groundwater protection area
- 10 ft of petroleum, chemical or hazardous waste storage tank of 1,100 gallons or less
- 100 ft of petroleum, chemical or hazardous waste storage tank > 1,100 gallons
- 10 ft of septic field
- 100 feet of contaminated site or abandoned landfill

(17) Infiltration BMPs may be required to meet project point of discharge or Peat Settlement Prone Area requirements.

(18)Permeable pavement surface not required when measured infiltration rate <0.3 inches/hour.

(19)Evaluation of a site for permeable pavement surfaces includes:

- Recommended maximum surface slope of 6%
- Run-on not to exceed 10% of surface area and dispersed

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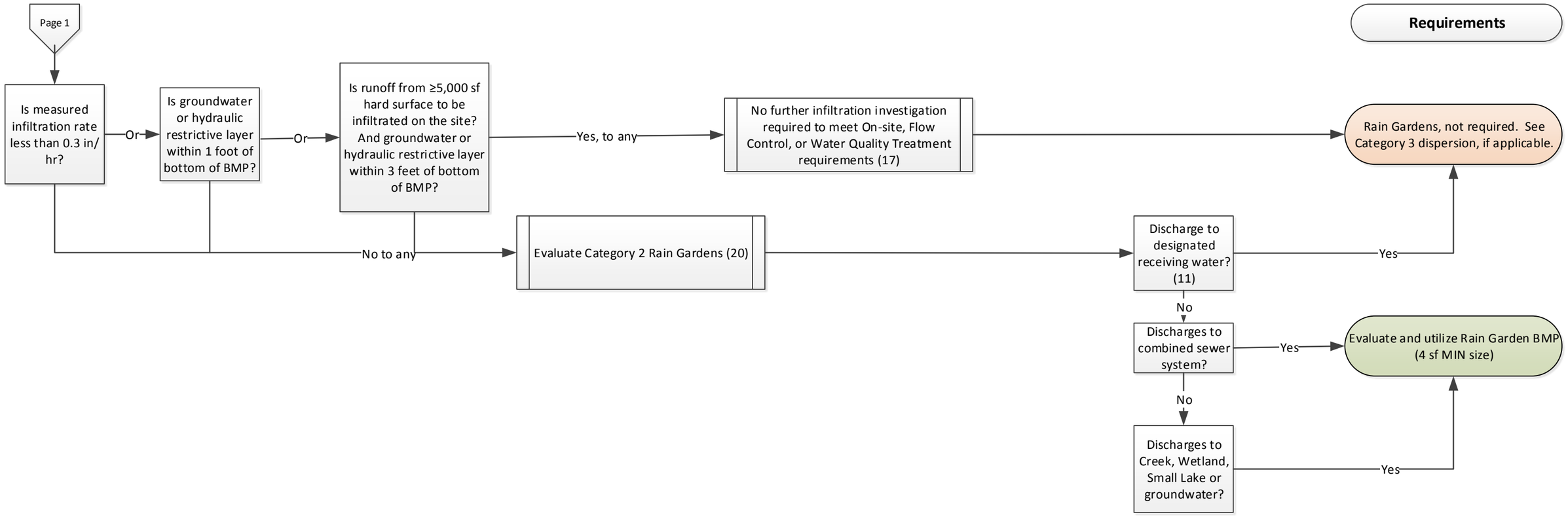

(20) Permeable pavement facilities may be allowed, but evaluation is not required.
22.805.070

(27)"Sidewalk project"means a project for the creation of a new sidewalk or replacement of an existing sidewalk, including any associated planting strip, apron, curb ramp, curb or gutter, and necessary roadway grading and repair. If the total new plus replaced hard surface in the roadway exceeds 10,000 square feet, the entire project is a roadway project.