

**CITY OF TACOMA – ENVIRONMENTAL SERVICES**

**EXECUTIVE DIRECTIVE NO. ESD23-001**

**FROM:** Michael P. Slevin III, P.E., Director  
Environmental Services Department



**RE:** City of Tacoma 2021 Stormwater Management Manual – Additional Protective Measure – Known Capacity Issue – Mitigation Requirements

**DATE:** June 14, 2023

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A. Authority. The Director is authorized pursuant to TMC 12.08A.040 to promulgate, implement, amend, supplement and enforce, such policies, procedures, requirements and manuals, and to issue such guidance, as are reasonable and necessary to implement and ensure compliance with TMC Chapters 12.08A, 12.08B, 12.08C and 12.08D. Such policies, procedures, guidance, requirements and manuals shall not be inconsistent with the provisions of TMC Chapters 12.08A, 12.08B, 12.08C and 12.08D, the City's pretreatment program, the City's wastewater NPDES permits, the City's municipal stormwater permit, the City's Stormwater Management Program policies and procedures, the SWMM, and applicable federal and state laws and regulations. This executive directive promulgates and implements the policy as set forth at Exhibit A attached hereto and incorporated herein by this reference.

B. Purpose. The purpose of this executive directive is to establish mitigation requirements pursuant to Volume 1, Section 1.5.3 (Mitigation – Infrastructure Protection) of the 2021 City of Tacoma Stormwater Management Manual for projects that meet the applicable criteria set forth in this executive directive.

C. Findings. The Director finds that promulgation and implementation of the attached executive directive is in the best interest of the City and is consistent with TMC Chapter 12.08D, the provisions of the 2021 City of Tacoma Stormwater Management Manual, Joint Administrative Policy and Procedure Directive No. 2021-02-001, and applicable federal and state laws and regulations.

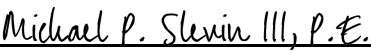
## EXHIBIT A

### City of Tacoma 2021 Stormwater Management Manual – Infrastructure Protection

Pursuant to TMC 12.08A.040, the Director has determined and implements, the following Environmental Services policy, effective as of the 14 day of June, 2023 (Effective Date).

The requirement is attached hereto as Exhibit A-1.

Approved:

DocuSigned by:  
  
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Michael P. Slevin III, P.E.  
Director, Environmental Services

## EXHIBIT A-1

### Mitigation Requirements – Volume 1, Section 1.5 SWMM

#### (“A” Street and Puyallup Avenue)

In response to the August 1, 2019 Phase I Municipal Stormwater General Permit, the City of Tacoma updated its Stormwater Management Manual (SWMM). The new manual went into effect on July 1, 2021.

Volume 1, Section 1.5 addresses Additional Protective Measure – Infrastructure Protection.

This executive directive is intended to define an area of the City with a known capacity problem and establish the mitigation requirements for projects with direct and indirect connections to the system with the known capacity problems.

Volume 1, Section 1.5.3 of the SWMM provides as follows.

#### 1.5.3 Mitigation – Infrastructure Protection

*“Projects that discharge stormwater directly or indirectly to any of the following may have to provide mitigation for Infrastructure Protection:*

*To a conveyance system without capacity to convey the fully developed design event as determined through a full backwater quantitative analysis and/or Inlet and Gutter Capacity Analysis, or*

*To a capacity problem downstream of the project as determined by Environmental Services/Site Development Group per Joint Administrative Policy and Procedure Directive No. 2021-02-001, or*

*To any other problem, such as downstream stabilization issues, as determined by Environmental Services/Site Development Group per Joint Administrative Policy and Procedure Directive No. 2021-02-001.*

*The type of mitigation is dependent upon Environmental Services/Site Development Group per Joint Administrative Policy and Procedure Directive No. 2021-02-001, review of the project impacts. Mitigation may include upsizing the existing stormwater conveyance system, installing additional catch basins, onsite stormwater detention or other mitigation measures as determined appropriate by Environmental Services/Site Development Group per Joint Administrative Policy and Procedure Directive No. 2021-02-001.”*

A known capacity issue has been identified by the Environmental Services Department in the general area of “A” Street and Puyallup Avenue. On the Effective Date, all projects that meet the applicability criteria below shall provide stormwater mitigation such that stormwater discharges shall match (or cause a decrease in) developed discharge durations to predeveloped discharge durations

for the range of predeveloped discharge rates from 50% of the 2-year return period flowrate up to the full 50-year return period flowrate. The pre-developed condition to be matched shall be the existing land cover condition.

Applicability Criteria:

- Discharge stormwater into a conveyance system that discharges directly or indirectly to City of Tacoma owned stormwater pipe ID 6265029. (generally all projects within the following City of Tacoma stormwater subbasins: FS-01, FS-02, FS-03, FS-04, FS-08, and FS-09); and
- Increase surface area and/or cause an increase in the amount of surface area converted from pervious to impervious area that is 5,000 square feet or more.

The project applicant shall use an approved continuous simulation model, assuming 15-minute timesteps. Stormwater mitigation must utilize Flow Control BMPs contained in the SWMM. Projects are still required to comply with all applicable Minimum Requirements within the SWMM.