

STORMWATER POST-CONSTRUCTION PROGRAM



PLANNING & DEVELOPMENT
**PRESERVE
SHAPE
BUILD** 



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Program Manager

February 27, 2024

Agenda



City of Phoenix



Stormwater Basics

MS4 Permit

Post - Construction Controls

Post - Construction Program Updates

Open Discussion / Q&A

Background



City of Phoenix

- What is Stormwater?
- Why does it need to be managed?
- Benefits & Challenges



MS4 Permit



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The Municipal Separate Storm Sewer System (MS4) is the publicly owned system that collects and conveys stormwater, which is discharged untreated to surface waters.

Includes streets, curbs, gutters, catch basins, storm drains, etc.



New Requirements



City of Phoenix

Develop a post-construction program that includes an inventory, inspection, maintenance, and tracking program for post-construction stormwater controls.

Post – Construction Controls



City of Phoenix

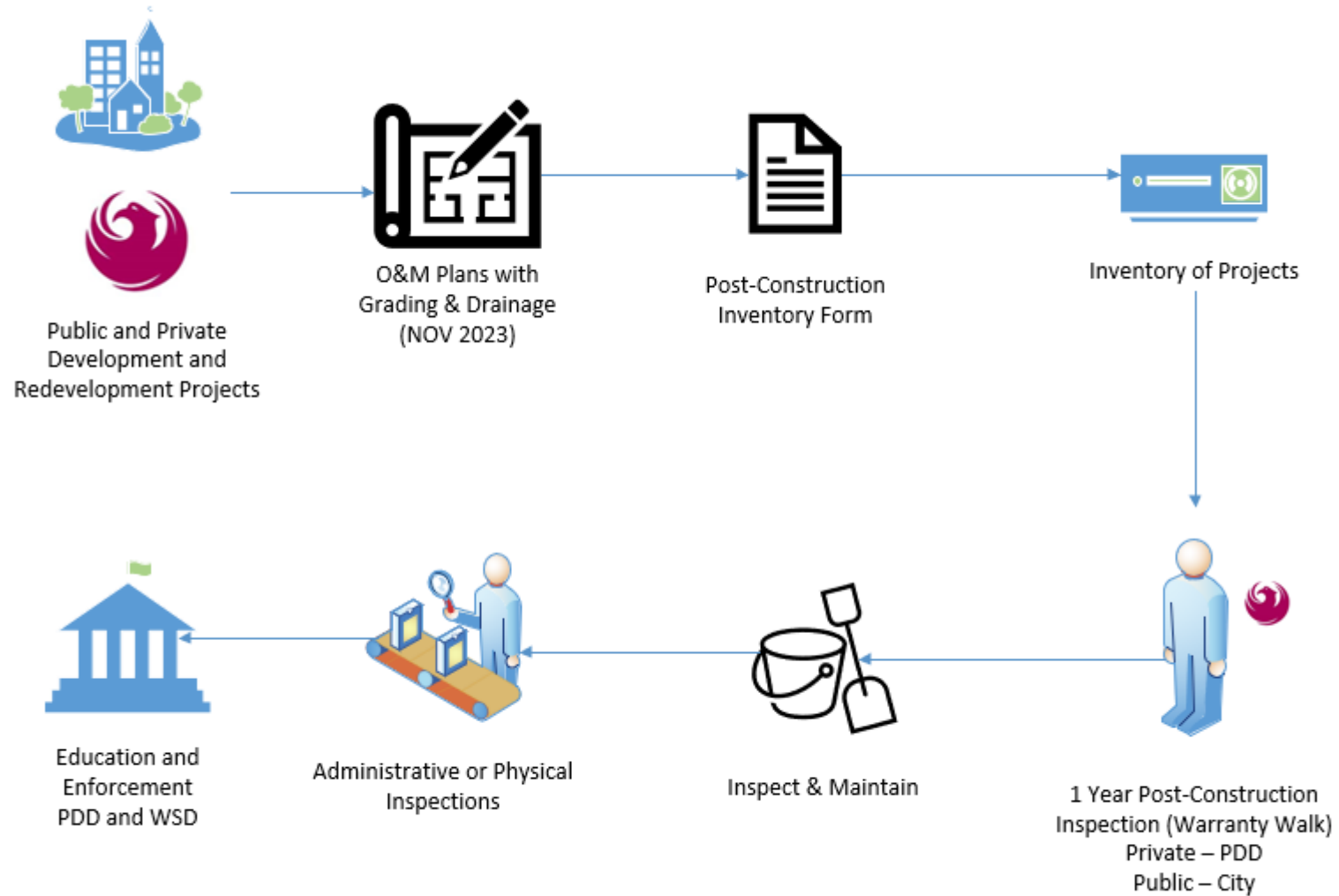


- 1) Project application was submitted on or after July 1, 2022.
- 2) Project disturbs one (1) acre or greater in size.
- 3) Project has a post-construction control.
- 4) Control discharges or has potential to discharge to the MS4.





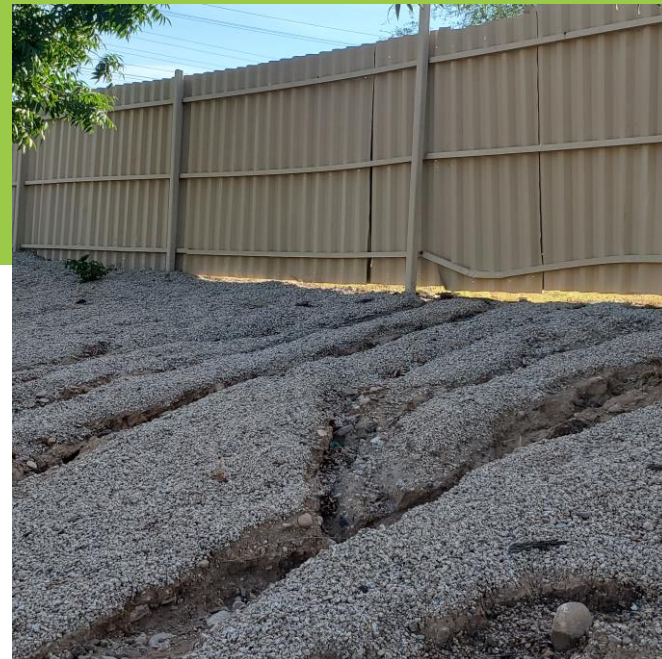
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Maintenance



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“All drainage facilities owned and/or operated by private entities, including Homeowner's Associations, shall be properly maintained to promote performance of the drainage facilities consistent with the original design intent.” (Section 3.9.5)



Maintenance Plan

- City-provided template (TRT 00132)
- Submitted with Grading & Drainage / Paving Plan
- Reviewed for completeness
- Assessed a plan review fee \$150/hour, max 2 hours

 **City of Phoenix**
PLANNING & DEVELOPMENT DEPARTMENT

**CITY OF PHOENIX
STORMWATER POST-CONSTRUCTION CONTROL
OPERATIONS AND MAINTENANCE PLAN TEMPLATE**

PROJECT NAME
Project Number

Prepared for:

Owner's Name
Owner's Address Owner's
Address 2
Owner's City State and Zip Code Owner's
Phone Number
Owner's Fax Number

Prepared by:

Company
Company's Address Company's
Address 2
Company's City State and Zip Code
Company's Phone Number
Company's Fax Number

Date

Resources

The screenshot shows the City of Phoenix website. At the top, there is a navigation bar with the City of Phoenix logo and a search bar. Below the navigation bar, there are several utility links: myPHX311, PHX Pay Online, Map It, Find Public Records, and PHX News. The main content area is titled "Stormwater Post-Construction Program" and includes a brief description of the program, a list of resources, and an upcoming event section. The resources list includes links to a HOA Postcard, a Frequently Asked Questions PDF, a Stormwater Post-Construction Program Fact Sheet PDF, and a Stormwater Post-Construction Program Inventory Form PDF. The upcoming event section is titled "Public Information Session" and is scheduled for Thursday, September 22, 2022, at 10:00 AM. The event is a virtual meeting and the RSVP email is Postconstruction.storm@phoenix. A "Register for event" link is provided.

Stormwater Post-Construction Program

Post-construction stormwater controls are used to limit surface runoff and reduce pollutant loadings and include features such as retention/detention basins, drywells, green stormwater infrastructure, and stormwater pretreatment devices.

While these devices are not new to development projects, new post-construction requirements in the City of Phoenix's Phase I Municipal Separate Storm Sewer System (MS4) permit were added by the Arizona Department of Environmental Quality. Effective July 1, 2022, the City of Phoenix has started implementation of a program to inventory, track, inspect, and confirm adequate maintenance of post-construction stormwater controls for public and private projects of one acre or more.

Contact us at postconstruction.storm@phoenix.gov, call 602-534-1672 (voice), or 7-1-1 TTY.

Resources

- [Link to HOA Postcard](#)
- [Frequently Asked Questions PDF](#)
- [Stormwater Post-Construction Program Fact Sheet PDF](#)
- [Stormwater Post-Construction Program Inventory Form PDF](#)

Program Overview

This will allow the City to maintain compliance with the Arizona Department of Environmental Quality's (ADEQ's)

Upcoming Events

Public Information Session
Thursday, September 22, 2022
Virtual Meeting
10:00 AM
RSVP: Postconstruction.storm@phoenix
[Register for event](#)



Stormwater Post-Construction Program Frequently Asked Questions

This information addresses the most common questions regarding the Stormwater Post-Construction Program. This is a developing program that will be implemented in phases between July 1, 2022 and July 1, 2023.

Why is the City of Phoenix implementing this program?

The City's stormwater system operates under a Phase I Municipal Separate Storm Sewer System (MS4) permit from the Arizona Department of Environmental Quality (ADEQ.) This requires the City to manage discharges to the MS4 to reduce the discharge of pollutants to protected surface waters. New permit requirements for stormwater post-construction features were included in the City's new MS4 permit in 2021.

What are stormwater post-construction features?

Post-construction stormwater controls are used to limit surface runoff and reduce pollutant loadings and include features such as retention/detention basins, drywells, green stormwater infrastructure, and stormwater pretreatment devices.

When does this program take effect?

ADEQ is requiring the City to have the program fully implemented no later than June 30, 2023.

Who does this program apply to?

This program applies to all new public and private development and redevelopment projects completed on or after July 1, 2022.

What projects will fall under the jurisdiction of this program?

The following criteria will be used to determine inclusion in this program:

- Project is one (1) acre or greater in size.
- Construction was complete on or after July 1, 2022.
- Project contains permanent post-construction controls (detention basin, dry well, green infrastructure, etc.).
- Stormwater from the post-construction control will discharge or has the potential to discharge to the MS4.

Who is responsible for complying with the program?

Property owners or their designee will be required to comply with the program requirements.

What are the key components of the program?

It is expected that the program will include the following:

- One year inspection following construction completion
- A site-specific operations and maintenance (O&M) Manual
- Annual self-monitoring by the property owner
- Five-year certification of feature functionality



City of Phoenix

Open Discussion



City of Phoenix



City of Phoenix

Thank you!

Heather Finden

Postconstruction.storm@phoenix.gov

602-534-7130 (office)

www.phoenix.gov/pdd/stormwater

