



**City of Phoenix**

PLANNING & DEVELOPMENT DEPARTMENT

# Self-Certification Training

Civil Refresher Course

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Civil Engineer III



PLANNING & DEVELOPMENT

**PRESERVE  
SHAPE  
BUILD**

# Audit Statistics

- 2023
  - 7 civil audits
  - Average = 2 point
  - Maximum allowed = 10 points



## Refresher

- Grading and drainage plans
- Easements
- Off-site improvements
  - Concrete
  - Paving plans
- Drainage memo



## Resources - Standards

- Accessory Dwelling Unit (ADU)
- No grading and drainage plan is required
- Design Documents have been updated:
  - Grading & Drainage – Residential Single Lot Guidelines (TRT 281).
  - Grading & Drainage – Residential On-lot Retention Requirements (TRT 283).
  - Grading and Drainage – Previously Developed Residential Lots (TRT 748).



# Resources – Post-construction



## 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

- Operations and Maintenance Plan – TRT00132
- Submitted with Grading & Drainage Plans
- Review \$150/hour, maximum of 2 hours
- <https://www.phoenix.gov/pdd/stormwater>



# Resources – Green Stormwater Infrastructure



## What is Green Stormwater Infrastructure?

Green Stormwater Infrastructure, or GSI means infrastructure constructed with a range of measures that use plant or soil systems, permeable pavement or other permeable surfaces or substrates, stormwater harvest and reuse, or landscaping to store, infiltrate, or evapotranspire stormwater and reduce flows to the public storm drain system or to surface waters.

These features are also sometimes referred to as low impact development (LID). They are generally small in size to capture water where it falls for multiple co-benefits.

## What are the benefits?

GSI provides multiple co-benefits including:

- Mitigating localized flooding
- Reducing the heat-island effect
- Improving localized air quality
- Improving localized water quality
- Reducing reliance on potable water irrigation
- Promoting biodiversity with native vegetation

## Building & Designing GSI in Phoenix

## Contact Us:

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## Additional GSI Resources



- [Planning and Development Green Stormwater Infrastructure](#)

# Questions or Comments

## Contacts:

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