



City of Phoenix

PLANNING & DEVELOPMENT DEPARTMENT

Self-Certification Training

Civil Refresher Course

Don Gerkin, PE

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:

Email:

postconstruction.storm@phoenix.gov

Phone:

602-534-7130

TTY711

Additional GSI Resources



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

Questions or Comments

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