

Planning and Development Department



Self-Certification Program Storm Water Management, Grading and Drainage



Plan Review

- **Requires certification by a registered Civil Engineer.**
- **Eligible Plans.**
 - **Parking Lots up to 5 acres**
 - **Landscape, Salvage & Inventory up to 20 acres**
 - **Commercial up to 20 acres**
 - **Industrial up to 80 acres**
 - **Residential up to 160 acres**
- **Not eligible for Self-Certification Program**
 - **Hillside/Desert Preservation**
 - **Any construction in the ROW**
 - **City maintained landscape**
 - **Special Flood Hazard Areas**



Plan Review

- **Plan approval is valid for 360 days.**
- **Must purchase permits or resubmit for extension of plan approval.**
- **Program rules and regulations.**

Storm Water Management (SWMP) Plan Review



- 1. Project thresholds.**
- 2. Authority and guidelines.**
- 3. Plan elements.**
- 4. Resources.**

Storm Water Management (SWMP) Plan Review



SWMP MUST SHOW THE FOLLOWING:

- **Authorization number.**
 - AZCON number and NOI is submitted when permit is purchased.
- **City of Phoenix Environmental Responsibility form.**
- **Checklist.**

Grading and Drainage Plan Review



Purpose

- To have a comprehensive storm water management program that protects the health, safety and welfare of its citizens, their property and the environment.

Grading and Drainage Plan Review



Resources

- **City of Phoenix Ordinance Chapter 32, Subdivisions.**
- **City of Phoenix Ordinance Chapter 32A, G&D**
- **City of Phoenix Storm Water Policy Standards, December 2013.**
- **Drainage Design Manual for Maricopa County.**
- **Grading and drainage checklist.**

Grading and Drainage Plan Review



Design

- Hydrology.
- Retention.

Grading and Drainage Plan Review



- **Dry wells required in each retention basin over 1 foot in depth. Number of dry wells shall be determined using a percolation rate of 0.10 cfs.**
- **Surface infiltration.**
- **Geometric depth.**
- **Finish floor elevation.**

Grading and Drainage Plan Review



Supplemental Information

1. **Geotechnical report.**
2. **Drainage report.**
3. **Driveways.**
 - **Pavement cut policy.**
4. **Phased construction.**

Grading and Drainage Plan Review



Construction Plans, Permits, Bonds and Inspections:

- **Landscape salvage and inventory permit and related inspections must be completed and accepted prior to Grading and Drainage permit release.**



Questions?

**Keith Kesti, P.E. – Plan Review
Engineering Supervisor
(602) 534-1836
keith.kesti@phoenix.gov**