

OREM CITY

STORM SEWER ORDINANCE UPDATE

City Council
Work Session
June 23, 2015



STORM WATER 101

■ Storm water code

- Disasters can occur anywhere, and they often occur when we least expect them. ~~NFPA~~ [Storm water] codes and standards are there to:
 - provide us with ways to prevent their occurrence,
 - manage their impact, and
 - protect us.
- Not just to prevent disasters.
 - Water quality
 - Clean neighborhoods



STORM WATER 101

- **MS4: Municipal Separate Storm Sewer System**
 - Infrastructure used to convey storm water runoff
 - Roads/sidewalks/curbs/gutters
 - Pipes
 - Sumps
 - Detention basins
 - The owner of the infrastructure that is permitted to discharge runoff.



OREM STORM WATER UTILITY HISTORY

- 1987
 - Congress mandates EPA to control certain storm water discharges.
- 1990
 - Utah issues first permits to large municipalities
- 1996
 - Orem Storm Sewer Utility approved in March
 - Numerous findings
 - Improve water quality
 - Protect health and safety of public
 - Enhance water availability
 - Reduce flooding potential



OREM STORM WATER UTILITY HISTORY

- 2002
 - Utah issues a general permit for discharges from small MS4s
 - Minimum Control Measures
 - Public education and outreach on storm water impacts
 - Public involvement/participation
 - *Illicit Discharge Detection and Elimination (IDDE)*
 - Construction site storm water runoff control
 - *Long-term, post-construction storm water management*
 - Pollution prevention and good housekeeping for municipal operations
 - Storm Sewer Ordinance Update
- 2010
 - Orem's permit is renewed.
 - Defined requirements to make improvements.
 - Update ordinance.
- 2015
 - Orem's permit needs to be renewed.

WHY ARE WE CHANGING THE CODE?

- Come into compliance with UDWQ storm water permit
- Ensure long-term functionality of our system
- Protect environment
- Ensure public safety
- Philosophical approach has changed
 - Treat storm water as a resource rather than a waste product
 - Mirror pre-development hydrology



WHAT IS CHANGING?

- General housekeeping
- Article 23-4
 - Best management practices
 - Prohibits illegal discharges
 - Prohibits illicit connections
 - Protects watercourses
 - Prohibits pollutant storage and littering



WHAT IS CHANGING?

- Article 23-4 (cont.)
 - Best management practices
 - Protects drinking water sources
 - Clarifies land disturbance permitting process
 - Strengthens post-construction storm water management
 - Requires low impact design (LID) and green infrastructure



WHAT IS CHANGING?

■ Article 23-4-8

- Long-term storm water runoff control
 - Long-term management plans required for development
 - Maintenance agreements
 - Inspection requirements
 - Non-structural maintenance practices
 - Protection of receiving stream
- Inspection and monitoring
- Post-construction storm water management



WHAT IS CHANGING?

- Article 23-5
 - Clarifies violations
 - Strengthens enforcement and penalties



WHAT IS CHANGING?

- Add text to Article 17-7-10.H.
 - Driveways must rise at least six inches (6") between the back of the sidewalk and the floor of the garage or carport. **Residential driveway drainage must be directed toward landscaped areas. Sidewalks that are not directly behind curbs shall drain into landscaped areas.**



WHAT IS CHANGING?

- Change Article 22-14-7.B.

- B. Any lot in any zone shall be improved and maintained as follows:
 - 1. Wherever a front yard or side yard adjacent to a street exists, such yard shall be planted and maintained according to the definition of landscaping contained in this Chapter. The front yard of all lots on which buildings are located shall be landscaped within ~~one (1) year~~ **6 months** of the date of the issuance of a final certificate of occupancy.



WHAT IS CHANGING?

- Add text to Article 22-14-20.E.7.
 - 22-14-20.E. Documentation. Anyone requesting approval of a site plan shall first submit to the Department of Development Services all of the following:
 - 7. A Storm Water Pollution Prevention Plan **and a Long Term Storm Water Management Plan** required by Chapter 23 of the Orem City Code. The Storm Water Pollution Prevention Plan shall be drawn on a separate sheet and to the same scale as the site plan.



WHAT IS CHANGING?

- Add text to Article 22-14-20.F.1.f.
 - All roof drainage shall be routed through on-site storm water management facilities **or to landscaped areas.**



WHAT IS CHANGING?

- Add text to Article 22-17-8.E.
 - **Storage Areas and Solid Waste Receptacles.**
 - All storage and solid waste receptacles that are not located within a building shall be enclosed within a sight obscuring structure or fence compatible with the design of the development. **Impervious areas directly under or susceptible to spillage from solid waste receptacles that are exposed to storm water must direct the storm water flows into landscaped areas and away from onsite drainage facilities.**



NEXT STEPS

- Approval considered by Planning Commission
- City Council review over next month
- Formal presentation at the city council meeting on August 25.
 - Consider adopting the amended ordinance.



QUESTIONS?

