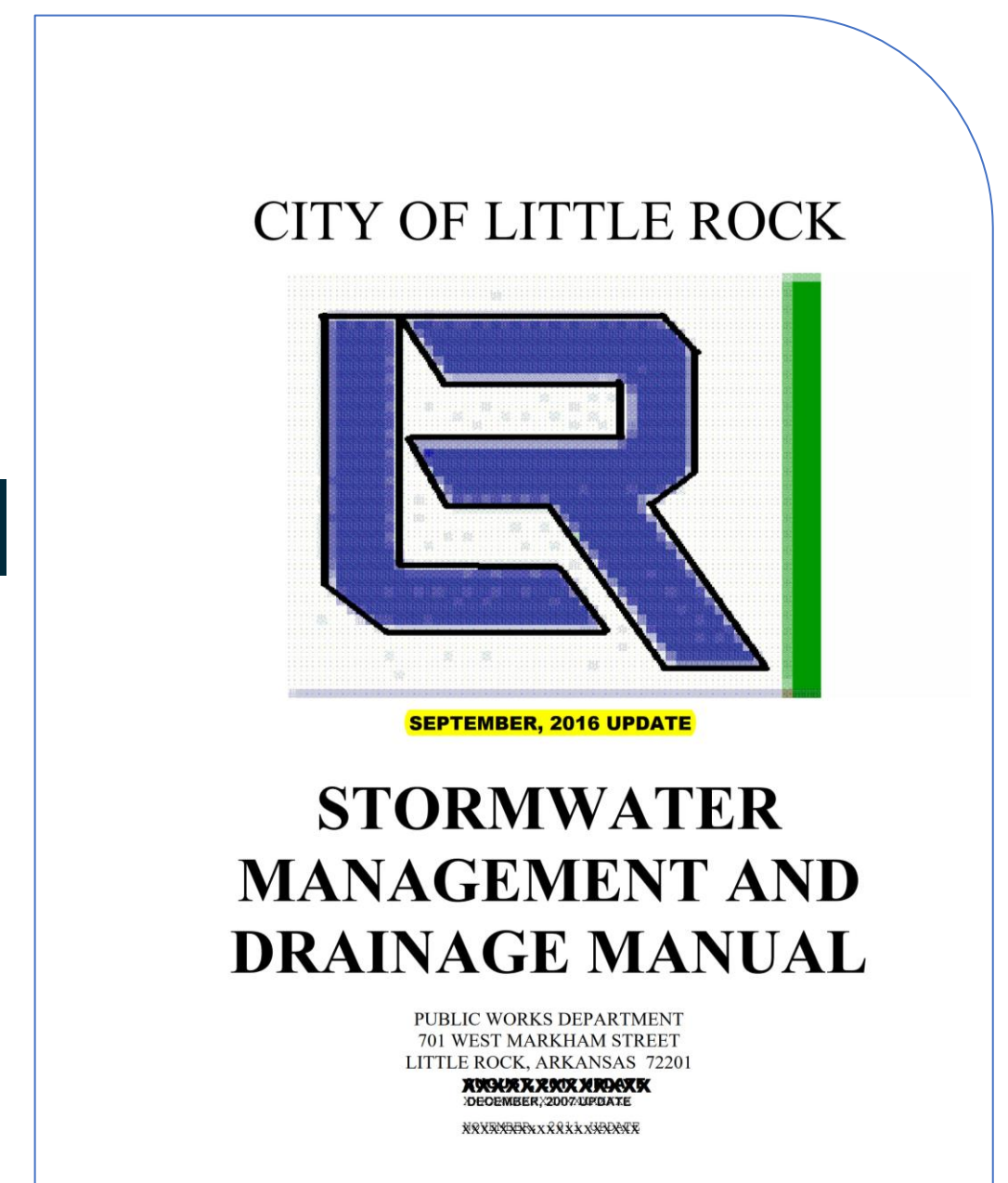


# City of Little Rock Stormwater Management and Drainage Design Manual Update

The City of Little Rock is updating their Stormwater Management and Drainage Design Manual to improve the effectiveness of their stormwater management program.



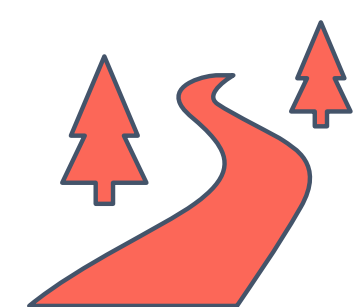
## What is a stormwater management and drainage design manual?

- A stormwater management and drainage design manual provides guidelines and standards for the design and construction of drainage systems within the city.
- The manual considers existing State and Federal regulations and permits.
- An update makes sure that the manual remains effective and adequately addresses new stormwater practices and reduces future flood risks.
- This update is being completed to comply with the Municipal Separate Storm Sewer System (MS4) permit issued by Arkansas Division of Environmental Quality.



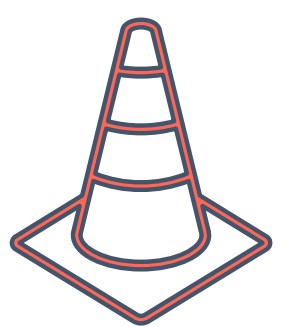
- Public Projects and Private Development

- Floodplain Management



- Water Quality and Stream Protection

- Construction Site Runoff and Erosion



## What are the goals of this update?

### Improved Water Quality

- Encourages use of Low Impact Development and green infrastructure
- Reduce runoff and pollutants

### Flood Risk Reduction

- Requires use of latest technology and methodologies for design
- Considers larger design storms such as the 1-Percent-Annual-Chance event (100-year).

### Stream Protection

- Provides additional resources on the use of Best Management Practices to protect from runoff and erosion.



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# City of Little Rock Stormwater Management and Drainage Design Manual Update

## MANUAL UPDATE PROCESS



## PLANNED CHANGES

The City plans to overhaul the manual to improve the resilience of its infrastructure and better protect residents and property from the impacts of extreme weather events.

### MODERNIZE

- Streamline manual
- Improve readability
- Improve usability

### ADDRESS WQ

- Add Water Quality components
- Include measures to reduce runoff and remove pollutants
- Incentivize green infrastructure

### UPDATE METHODS

- Utilize latest technical methodologies
- Expand analysis of storm events
- Consider offsite impacts



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