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# Engineering Design & Construction Specification Updates - 2010

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City of Lake Saint Louis  
Public Works Department  
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# Objectives



- Unified Manual for Engineering, Plan Preparation, and Construction Rules and Regulations
- Modernize Standards and Methods
- Adopt Commonly used Standards and Methods
- Provide Standard Notes
- Provide Permit Checklist

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# Engineering Design and Plans Preparation Manual



- Clearly defines expectations
- Unified Source for all standards and specifications
  - Reiterates Code where necessary
  - Made a part of the Code so more detailed requirements are enforceable.
- Adopts Standards and Methods from other local agencies
  - Uses methods engineers are already familiar with
  - Widely available documentation (internet preferred)
  - Automatically updates – rights vest with P&Z introduction

# New Provisions



- Access management guidelines have been adopted
- Roadway Geometrics have been revised
- Right-of-way widths have changed
- Street Signs conform to new MUTCD requirements
- Under Drains are required on Public Streets
- Detention standards 2 year and 100 year
- Flows over 4 cfs must be conveyed in pipes or designed channels
- Channels and detention basins must be sodded or stabilized
- Water Quality provisions have been added
- Flowable fill is to be used for back fill when cutting existing streets
- Cutting existing streets is only allowed for access to existing facilities, or where a street is scheduled for replacement or resurfacing, utility crossings are to be bored or pushed