Owensboro, Kentucky Stormwater Plan

Kentucky Stormwater Association June 28, 2018

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Introduction

Issues Faced

Storm Water Master Plan

Funding

Projects

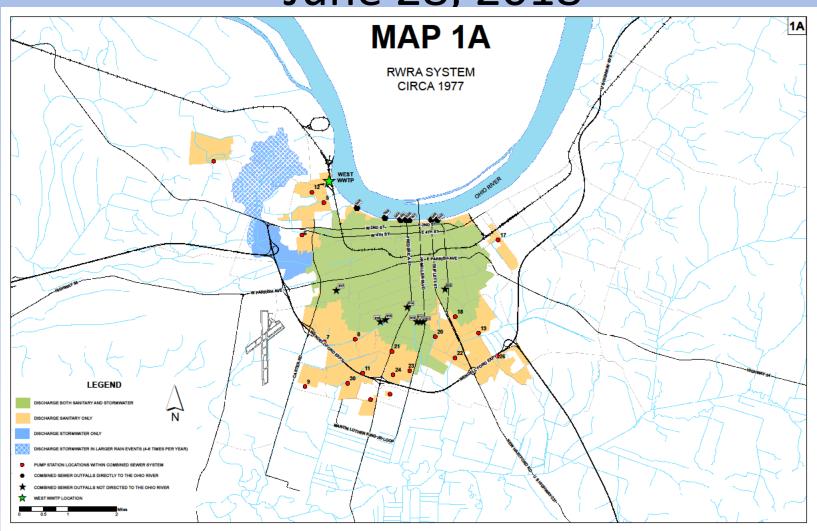
To Date

Introduction

Downtown Development vs Flooding

Issues:

> CSS Community



Introduction

Issues:

- > CSS Community
- ➤ 1990~1995: Severe Flooding in Owensboro





























Introduction

Issues:

- CSS Community
- > 1990~1995: Severe Flooding in Owensboro
- ➤ Lack of Funding
 - > 1997: Decision 2002 Passed
 - > Five Year Funding Plan with Sunset Clause in 2002
- > No Workable Plan of Action Developed to Date
- ➤ No Maintenance Plan to Date
- Quantity vs Quality

Stormwater Master Plan

- ➤ Started 1997
- > Workable Plan, Not Decoration for Shelf
- **►** Low Hanging Fruit
- ➤ Do Not Flood County Residents
- > Wanted Emergency Vehicle Access to City
- ➤ RFQ: Hired Team of Quest/CDP

Stormwater Master Plan

- ➤ Developed Committee
 - ➤ City Engineer Staff/ RWRA Engineers/Residents/ Farmers/Commissioner/County Eng/Local Eng
- ≥ 21 Watersheds (13 Major Watersheds)
- > Every Conveyance system 36" Equivalent Up
- ➤ Wanted < 3" water in street for Design Event
- > Decide Storm Event for Design Event
 - > (Looked at 2/10/25/100 for 2/13 Sheds)

Stormwater Master Plan

- Completed Plan in August, 1999
- ➤ Developed 71 Projects
- ➤ Decided on 25-Year Event
- >\$64,000,000 in 1999 Dollars
- > Established Priority System
 - ➤ Scoring System based on 12 Criteria
- > Design Basin at lower end each watershed

Funding

- ➤ How to Pay???
- > Pay As You Go or Let Those who pay receive benefit
- Stormwater Utility Fee
 - ➤ Proposed \$3 per ERU
 - ➤ Offered Credits for Any Basin in Place
 - Defeated
- > Your Community Vision
 - Occupational/Net Profit Tax
- Low Interest Loans and Bonds

Projects



Devins



Devins



Goetz



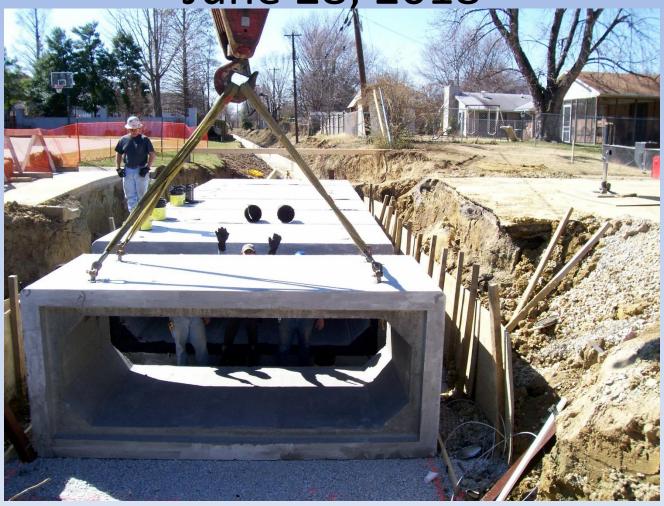
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Kentucky Stormwater Association

June 28, 2018



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Harsh JR



Harsh JR



Harsh JR



Harsh JR



Harsh



Harsh



Harsh EF



Harsh EF



Harsh Main



Harsh

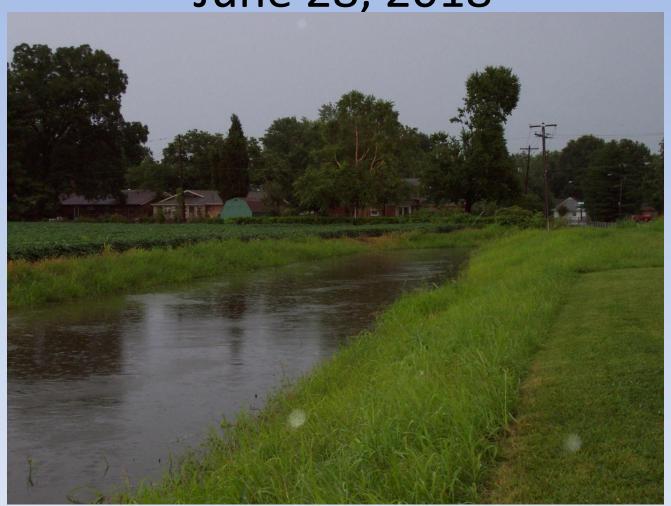
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Harsh



Parrish Avenue



Scherm



Scherm



Scherm



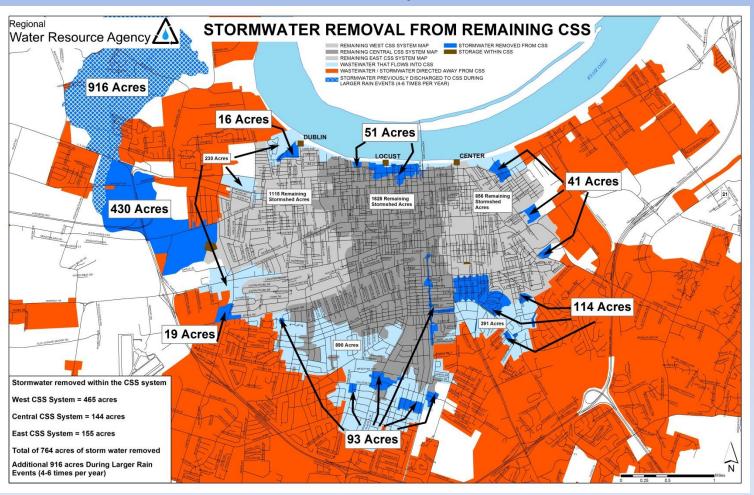
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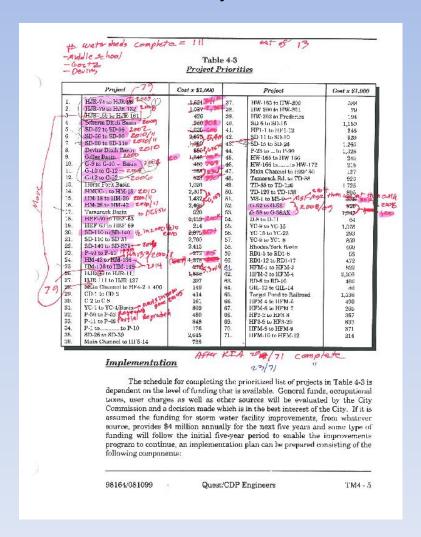


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To Date:

- ➤ Completed 23/71 Projects (80%)
- ➤ Completed 3/13 Watersheds
- > Spent \$45,460,509.00
- > Those that paid enjoy benefits
- > Property Values increased
- ➤ Life Safety Improved





Questions?