



City of Oskaloosa  
City Council Study Session  
Council Chambers  
City Hall, 220 S. Market Street  
Oskaloosa, IA 52577  
Agenda

**Monday, June 20, 2022**

**1. 5:00 P.M. Presentation of the draft of the Stormwater Master Plan prepared by HR Green and discussion on the plan**

This item is intended to give City Council the opportunity to receive a presentation on the draft of the Stormwater Master Plan prepared by HR Green, and to discuss the plan.

Documents:

[HR GREEN STORMWATER MASTERPLAN DRAFT PRESENTATION V1.PDF](#)

**2. Adjourn**

If you require special accommodations, please contact the city manager's office at least 24 hours prior to the meeting at 641.673.9431.



# City of Oskaloosa Stormwater Masterplan

*City Council Working Session  
June 20<sup>th</sup>, 2022*

DRAFT

# SWMP Objective

To develop a Stormwater Masterplan featuring four integrated parts:

1. A capital improvement plan (CIP) for stormwater infrastructure;
2. An operations and maintenance (O&M) plan for stormwater infrastructure;
3. Update procedures for development review
4. Recommendations for sustainable staffing and funding of the stormwater system.

A major goal of the CIP (#1 above) is to identify improvements to the stormwater system that will reduce flows to streams, gullies and gray infrastructure within the City.



Building Communities.  
Improving Lives.



D|A DAVIDSON

DRAFT

# Acknowledgements

- City Council
- Planning and Zoning Commission
- City Staff
- Municipal Water Department
- Non-City Stakeholders



Building Communities.  
Improving Lives.

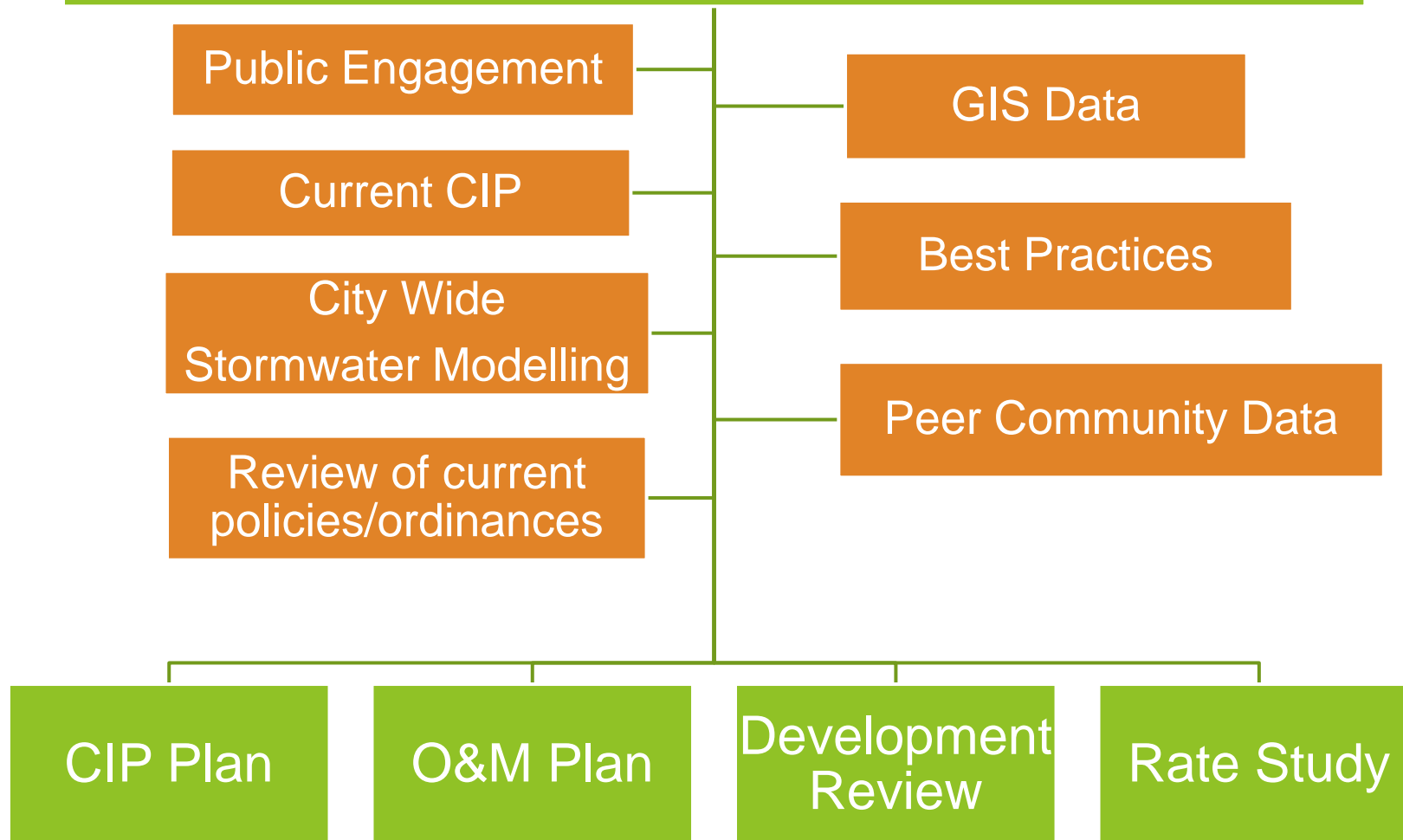


D|A DAVIDSON

DRAFT

# The Overall Process

## City of Oskaloosa Stormwater Master Plan



HRGreen®

Building Communities.  
Improving Lives.



D|A DAVIDSON

**DRAFT**

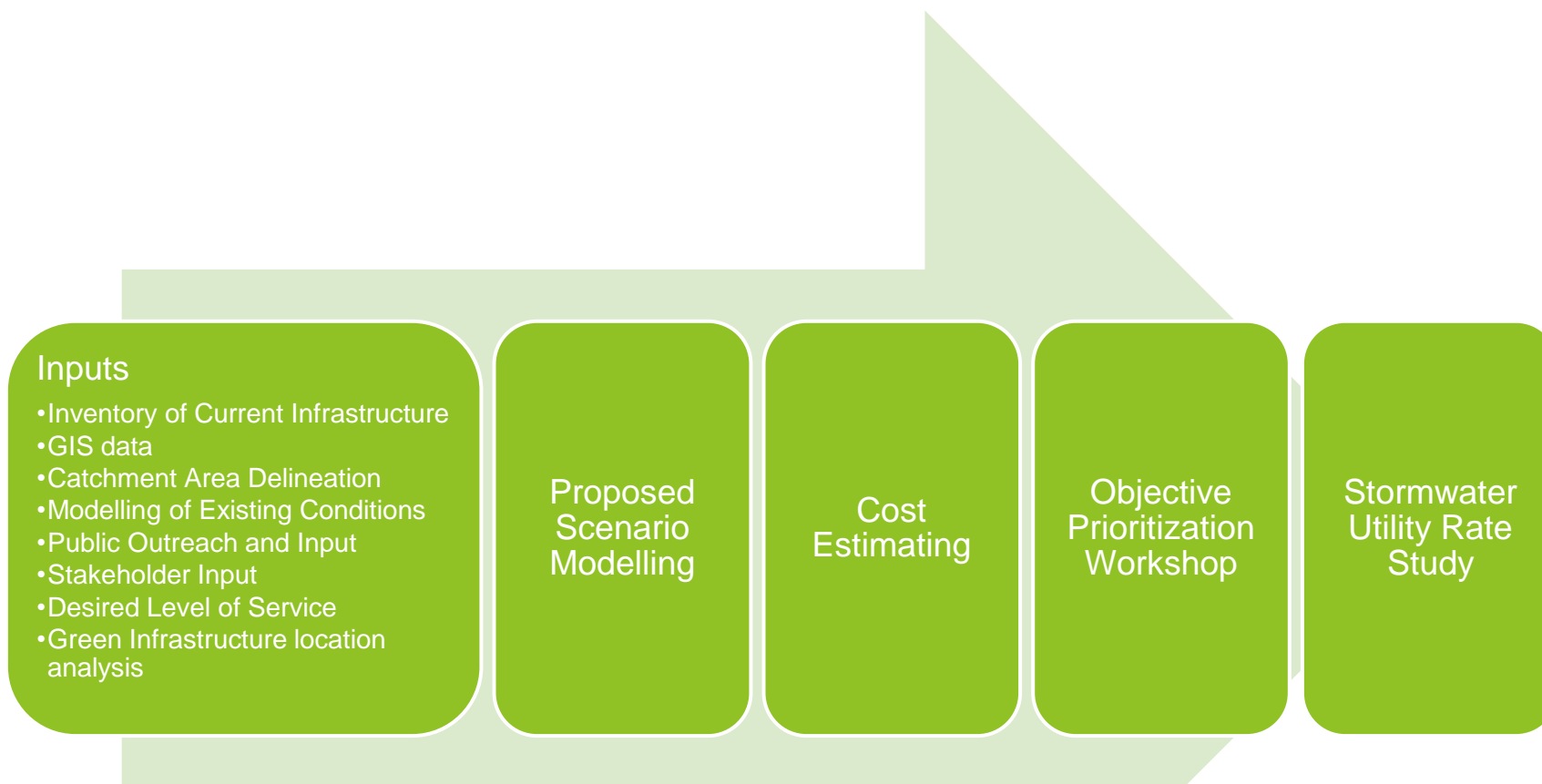
# Various Audiences



		Potential Users				
VOL.	DESCRIPTION	POLICY MAKERS	CITY ENGINEERING STAFF	OPERATIONS/ MAINTENANCE STAFF	PRIVATE DEVELOPERS	GENERAL PUBLIC
1	Fact Finding and Background Info.	X	X	X	X	X
2	CIP Plan		X			X
3	Operations and Maintenance Plan		X	X		X
4	Procedures for Development Review		X		X	X
5	Stormwater Utility Rate Study	X	X	X		X

DRAFT

# The CIP Plan - Development Process



HRGreen®

Building Communities.  
Improving Lives.



D|A DAVIDSON

DRAFT

# The CIP Plan – Prioritization Process

Identify Scoring Criteria

Weight Scoring Criteria

Score each project

Rank Projects

		Property Damage	Combine with Other Projects/Cost Effectiveness	Ease of Maintenance	Aesthetic Enhancements/Recreational Opportunities	Public Safety	Economic Development Potential		
<b>Master Score Sheet</b>		<b>21%</b>	<b>23%</b>	<b>17%</b>	<b>16%</b>	<b>12%</b>	<b>13%</b>	<b>WEIGHTED TOTAL SCORE/ 100</b>	<b>RANK</b>
1	Trunkline A500	2.75	1.75	2.50	2.50	1.25	2.50	44.75	19
2	Trunkline B100	3.00	3.25	2.75	3.50	1.50	2.50	57.13	5
3	Trunkline B200	3.25	2.25	3.25	3.25	1.50	2.50	54.54	11
4	Trunkline B600	2.00	2.50	2.75	2.75	1.50	2.25	46.58	18
5	Trunkline B700	2.25	1.75	2.25	1.50	1.75	1.25	36.71	20
6	Area C Regional Detention	4.00	3.25	3.50	2.75	2.25	2.50	63.17	2
7	Trunkline C100	3.25	2.75	3.00	2.50	3.00	1.50	54.58	10
8	Trunkline C210	3.00	2.75	3.25	3.00	2.00	2.75	56.75	6
9	Trunkline C230	3.00	3.00	3.50	3.25	2.00	3.00	60.13	3
10	Trunkline C280	2.75	2.50	3.00	2.75	1.75	1.50	49.25	13
11	Trunkline D100	2.75	2.75	3.00	1.75	1.75	2.00	48.46	16
12	Trunkline D200	2.75	3.25	3.00	2.75	2.00	3.50	58.21	4
13	Trunkline E200	2.50	2.75	3.00	2.25	1.75	2.00	49.00	15
14	Trunkline E400	4.00	2.50	3.25	2.75	1.75	2.00	56.54	7
15	Trunkline E500	3.00	2.50	2.75	2.50	2.00	1.50	49.25	13
16	Trunkline F100	2.25	2.75	2.75	2.25	1.75	2.00	47.13	17
17	Trunkline F200	3.00	3.25	2.50	3.00	2.50	2.00	55.79	8
18	Trunkline F300	3.25	3.75	3.50	4.00	3.00	3.50	70.50	1
19	Trunkline F400	3.00	2.50	3.25	2.75	2.50	2.00	54.13	12
20	Trunkline F600	3.00	3.75	2.75	2.25	2.00	1.75	54.71	9



HRGreen®

Building Communities. Improving Lives.



D|A| DAVIDSON



DRAFT

# The CIP Plan - Recommendations

Trunkline F300

Area C Regional Detention

Trunkline C230

Trunkline D200

Trunkline B100



HRGreen®

Building Communities.  
Improving Lives.

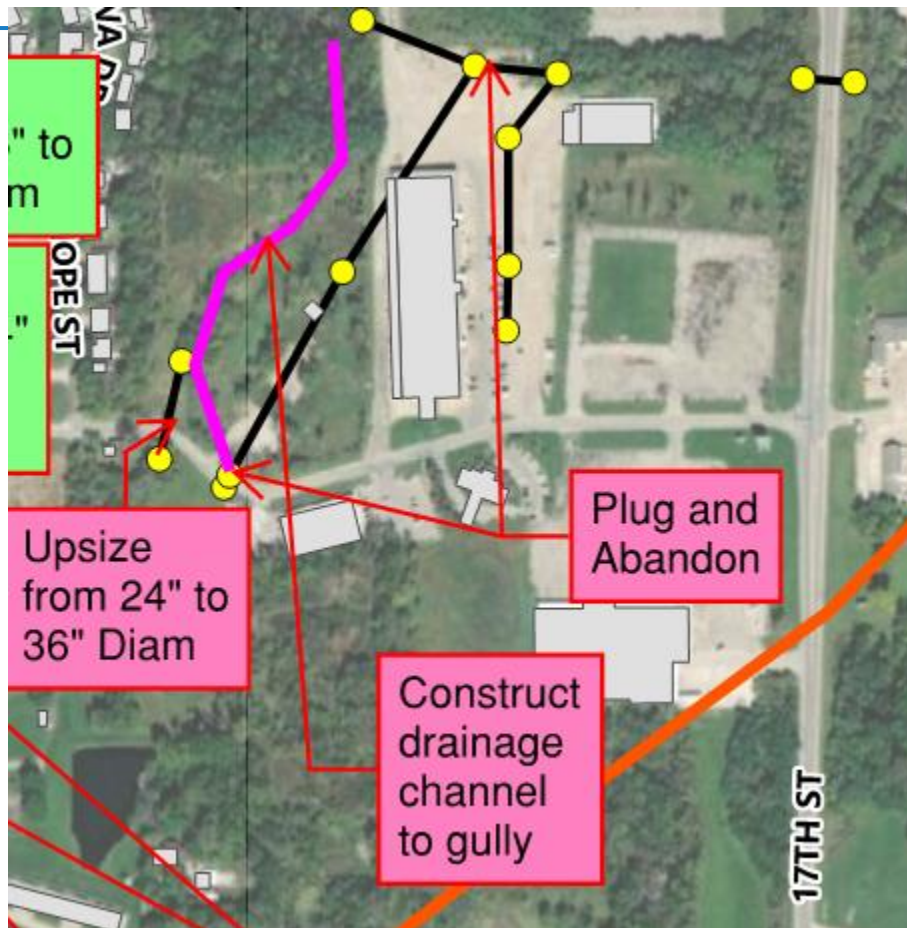


D|A|DAVIDSON

DRAFT

# The CIP Plan - Recommendations

Trunkline F300 - \$552,769



Building Communities.  
Improving Lives.

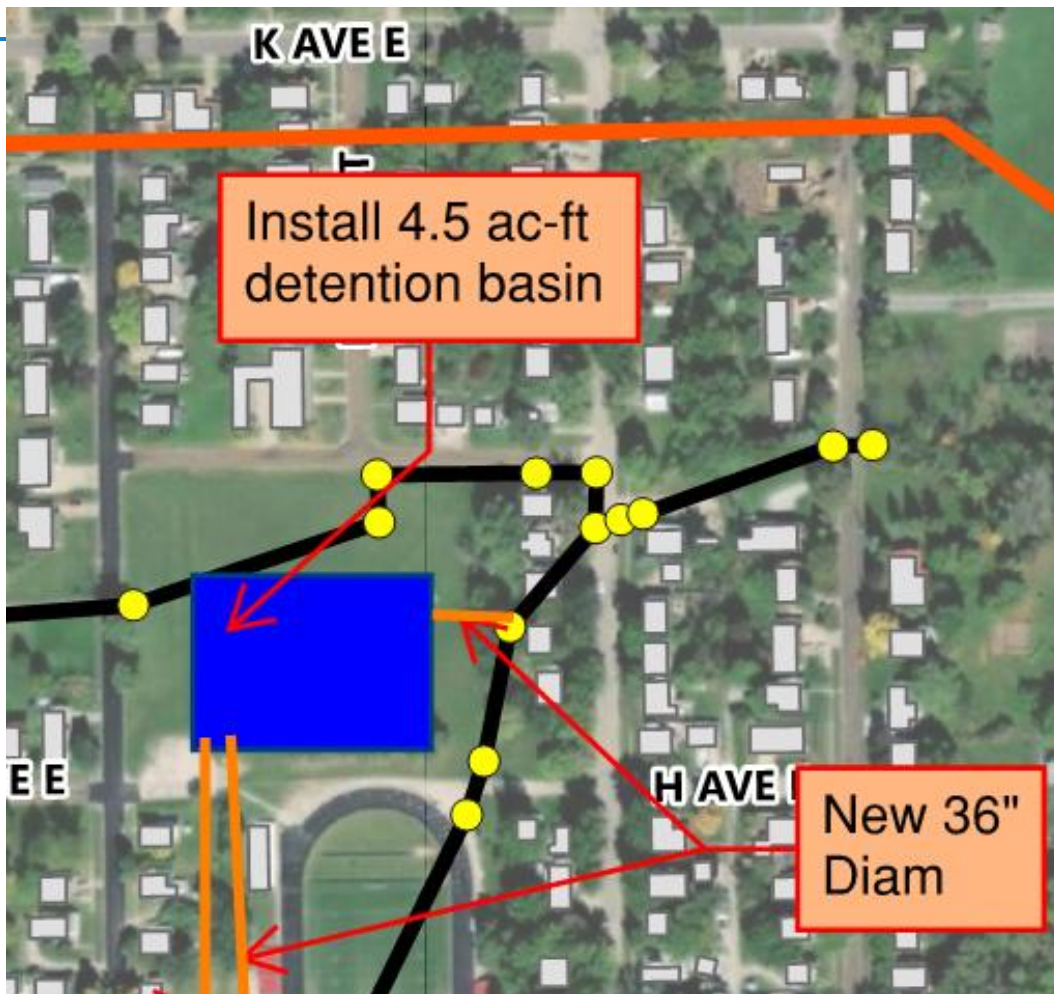


D|A|DAVIDSON

DRAFT

# The CIP Plan - Recommendations

Area C Regional Detention - \$1,122,019



Building Communities.  
Improving Lives.



D|A DAVIDSON

DRAFT

# The CIP Plan - Recommendations

Trunkline C230 - \$6,933,929



Building Communities.  
Improving Lives.

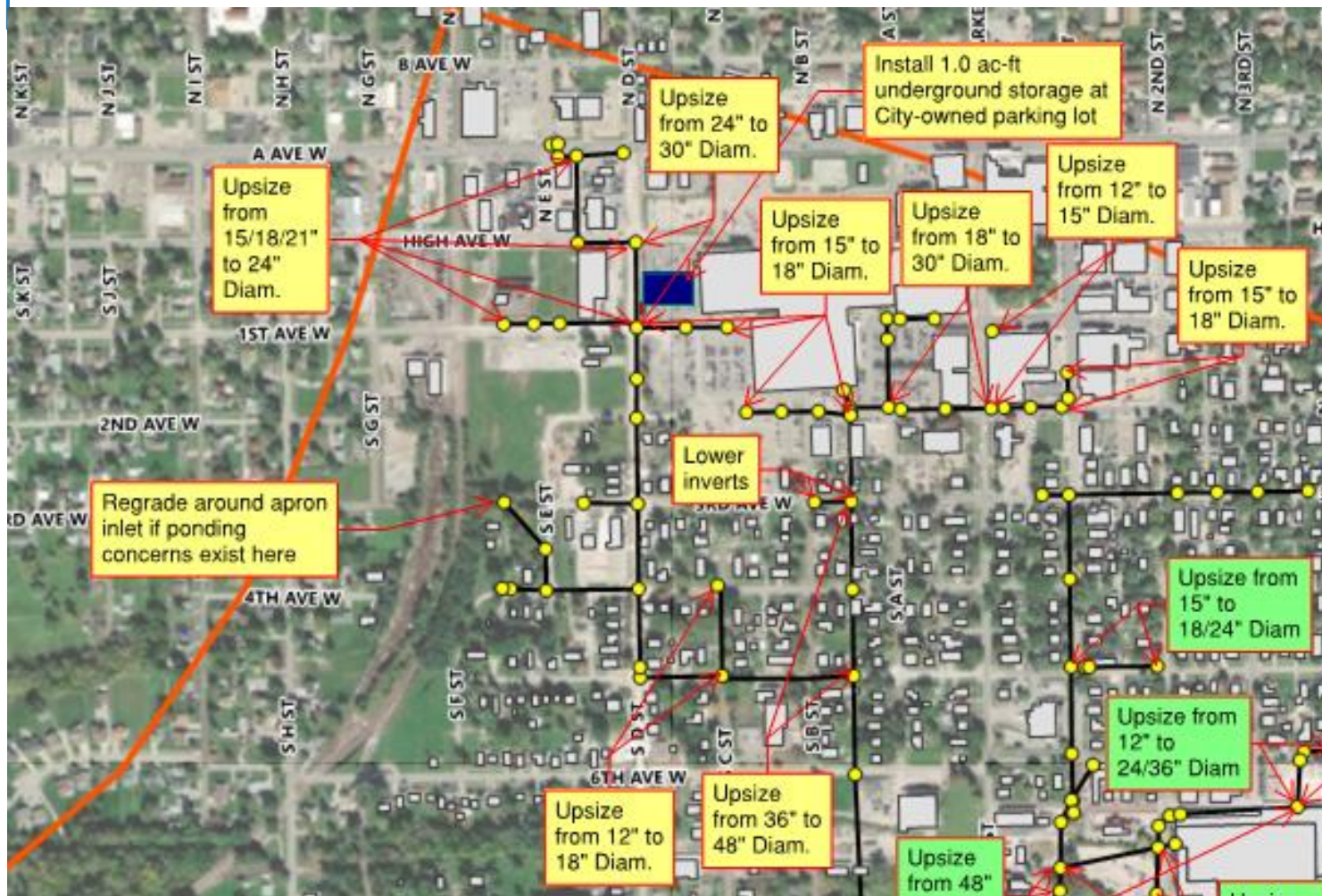


D|A|DAVIDSON

DRAFT

# The CIP Plan - Recommendations

Trunkline D200 - \$7,293,814



Building Communities.  
Improving Lives.

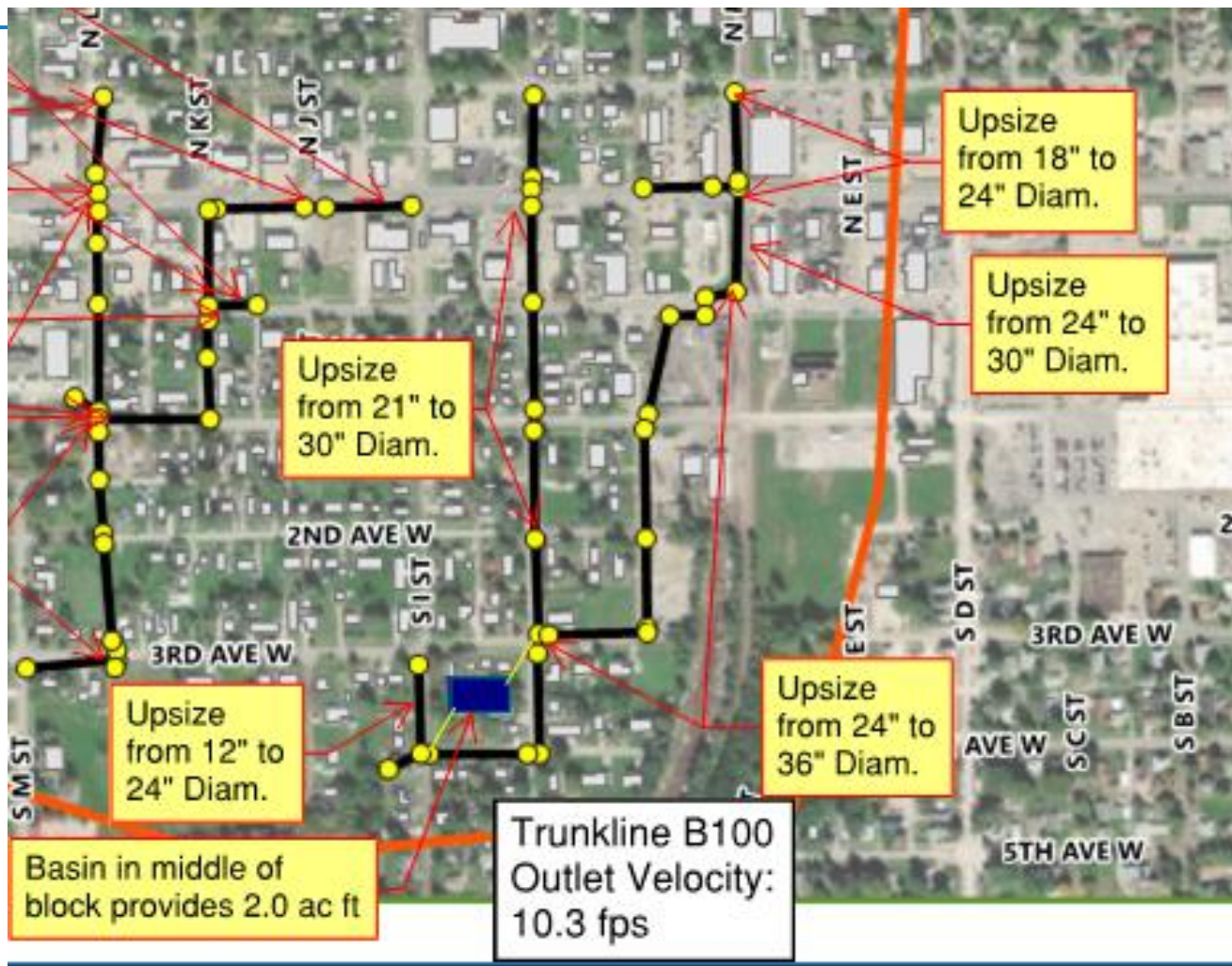


D|A DAVIDSON

DRAFT

# The CIP Plan - Recommendations

Trunkline B100 - \$5,682,684



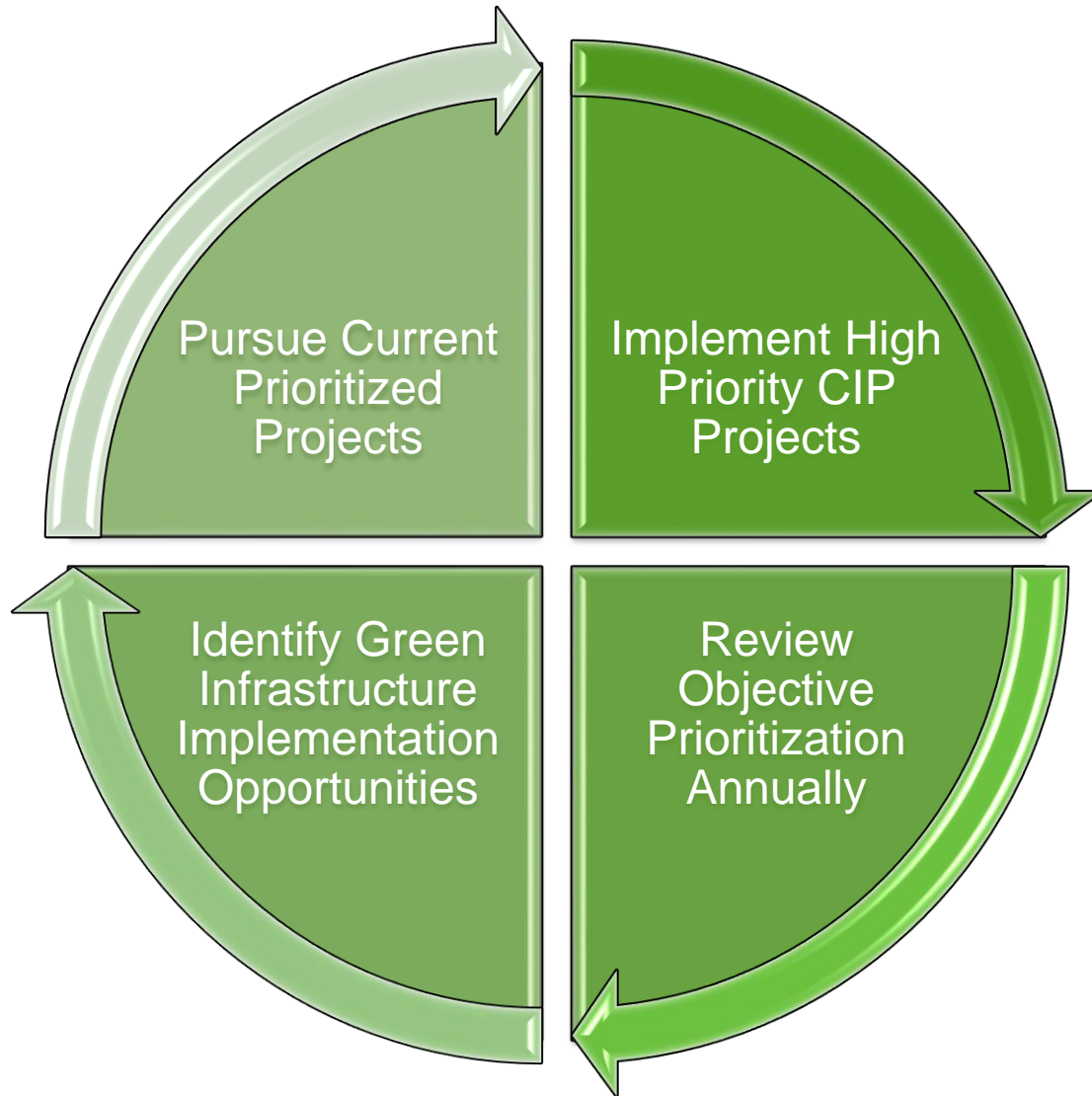
Building Communities.  
Improving Lives.



D|A DAVIDSON

DRAFT

# The CIP Plan - Recommendations



HRGreen®

Building Communities.  
Improving Lives.



D|A DAVIDSON

DRAFT

# The O&M Plan - Development Process

## Inputs

- Inventory of Current Infrastructure
- GIS data
- Desired Level of Service
- Estimated costs of all maintenance activities
- City Staff input on current capabilities vs. outsourced activities

Create O&M  
Algorithm with  
Managed Variables

Scenario  
Planning

Recommendations



HRGreen®

Building Communities.  
Improving Lives.



D|A DAVIDSON



DRAFT

# The Development Review Process

## Inputs

- Municipal Code Sections
- Site Plan Review Procedure
- Floodplain Management
- Stormwater Drainage Utility
- Website Resources for Developers

Review Best Practices

Recommendations



Building Communities.  
Improving Lives.



D|A DAVIDSON

# Rate Study

DRAFT



Building Communities.  
Improving Lives.



D|A|DAVIDSON