



## MEMORANDUM

**TO:** Bruce K. Walden, Chief Administrative Officer  
**FROM:** William R. Gray, Public Works Director  
Bradley M. Bennett, Civil Engineer  
**DATE:** April 6, 2006  
**RE:** East Urbana Interceptor Project  
Force Main Construction on Washington Street  
Budget Amendment Ordinance

### Introduction

The Engineering Division recommends installing a section of 30-inch force main for the future East Urbana Interceptor Project along Washington Street as part of the Scottswood Area Storm Water Improvement Project due to the significant cost savings that can be realized from installing the force main as part of that project.

### Background and Facts

The Engineering Division was tasked with developing a proposed plan and cost estimate for providing sewer service for the rapidly developing area on the east side of Urbana. The *Interceptor Sewer Service Area Plan Technical Memorandum 11* (TM-11) prepared by Sodemann & Associates for the Sanitary District in December 2000 was reviewed by Engineering Division Staff. The sewer infrastructure proposed by that report to serve the east side of Urbana is described below and shown on the attached Figure #1.

The East Side Interceptor Project will consist of:

- A new regional pump station.
- A new 36-inch interceptor sewer between the existing Myra Pump Station and New Regional Pump Station.
- New 30-inch force main to the Northeast Wastewater Treatment Plant.
- Abandon the existing Myra Pump Station.
- Construction 24-inch and 18-inch sanitary sewer interceptors 400-feet north, south, and east of the new Regional Pump Station.

These new interceptors and pump station would provide sanitary sewer service for a **3,100 acre** area east of High Cross Road and south of Perkins Road to Curtis Road.

The Technical Memorandum 11 estimates the project cost at \$7.8 million dollars. The TM-11 also estimated that the District share would be 3.1 million dollars (40%) which included the 36-inch interceptor, a portion of the pump station, and a portion of the force main. The City's share would be 4.7 million dollars (60%) and includes the 24 and 18-inch interceptors, a portion of the lift station, and a portion of the force main. The division of costs between the City and District are preliminary and are subject to further negotiation and better definition as the preliminary engineering study proceeds.

Public Works Staff met with the Sanitary District and Sodemann & Associates on March 22<sup>nd</sup>, 2006 to discuss constructing a portion of the 30-inch force main along Washington Street in conjunction with the Scottswood Area Storm Water Improvement Project. The proposed force main routing along Washington Street is shown on Figure #2. Potential cost savings in constructing the force main in conjunction with the Scottswood Project are:

- Lower mobilization costs since Contractor would already be installing a 48-inch diameter storm sewer at the location.
- Lower construction costs since the force main could be constructed in the same trench with storm sewer.
- Lower restoration costs for pavement replacement and landscaping since this area was already going to be disturbed by the installation of the storm sewer.
- Lower design engineering and construction inspection fees. Would be utilizing the survey and design from the storm sewer project. Construction inspection would be done by the same personnel doing the storm sewer inspection further reducing costs.
- Lower traffic control costs since the Contractor will have to install traffic control for the storm sewer construction.

Based on these potential savings, the District and the City agreed to contact Berns, Clancy and Associates (BCA) to see if it was feasible to add the force main to the Scottswood Project before its April 20<sup>th</sup> bid opening. BCA indicated that it would not be a problem adding the force main to the Scottswood Project by addendum before the April 20<sup>th</sup> bid opening. BCA will prepare a proposal for the design engineering and construction inspection services required to add the force main to the Scottswood Project the week of April 3<sup>rd</sup>.

### **Fiscal Impact**

The preliminary estimate of the cost of adding the force main to the Scottswood Project is \$225,000 to \$250,000. It was proposed to use the 60% City to 40% District cost sharing scenario discussed earlier for the force main along Washington Street installed as part of the Scottswood Project. The percentage may be adjusted at a latter time and the costs of this work would be deducted from each parties total project cost share.

The City's 60% share of a \$250,000 force main project would be \$150,000. There is \$200,000 available in the City's interceptor set aside budget line item. It is feasible and appropriate to fund the force main construction along Washington Street.

## **Recommendations**

It is recommended that a Budget Amendment Ordinance in the amount of \$200,000 be approved.

Attachments:           Figure #1 – East Urbana Interceptor Project  
                              Figure #2 – 30-inch Force Main on Washington Street  
                              Budget Ordinance

**ORDINANCE NO. 2006-04-049**

**AN ORDINANCE  
REVISING THE ANNUAL BUDGET ORDINANCE  
(Washington Street Sewer)**

WHEREAS, the Annual Budget Ordinance of and for the City of Urbana, Champaign County, Illinois, for the fiscal year beginning July 1, 2005, and ending June 30, 2006, (the "Annual Budget Ordinance") has been duly adopted according to sections 8-2-9.1 et seq. of the Illinois Municipal Code (the "Municipal Code") and Division 2, entitled "Budget", of Article VI, entitled "Finances and Purchases", of Chapter 2, entitled "Administration", of the Code of Ordinances, City of Urbana, Illinois (the "City Code"); and

WHEREAS, the City Council of the said City of Urbana finds it necessary to revise said Annual Budget Ordinance by deleting, adding to, changing or creating sub-classes within object classes and object classes themselves; and

WHEREAS, funds are available to effectuate the purpose of such revision; and

WHEREAS, such revision is not one that may be made by the Budget Director under the authority so delegated to the Budget Director pursuant to section 8-2-9.6 of the Municipal Code and section 2-133 of the City Code.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF URBANA, ILLINOIS, as follows:

Section 1. That the Annual Budget be and the same is hereby revised to provide as follows:

FUND:	Sanitary Sewer Construction (Sewer Benefit)	
ADD EXPENSE:	Washington Street Sewer	\$200,000
REDUCE EXPENSE:	Sewer Interceptor SetAside Project	\$200,000

Section 2. This Ordinance shall be effective immediately upon passage and approval and shall not be published.

Section 3. This Ordinance is hereby passed by the affirmative vote of two-thirds of the members of the corporate authorities then holding office, the "ayes" and "nays" being called at a regular meeting of said Council.

PASSED by the City Council this \_\_\_\_\_ day of \_\_\_\_\_,

\_\_\_\_\_.

AYES:

NAYS:

ABSTAINED:

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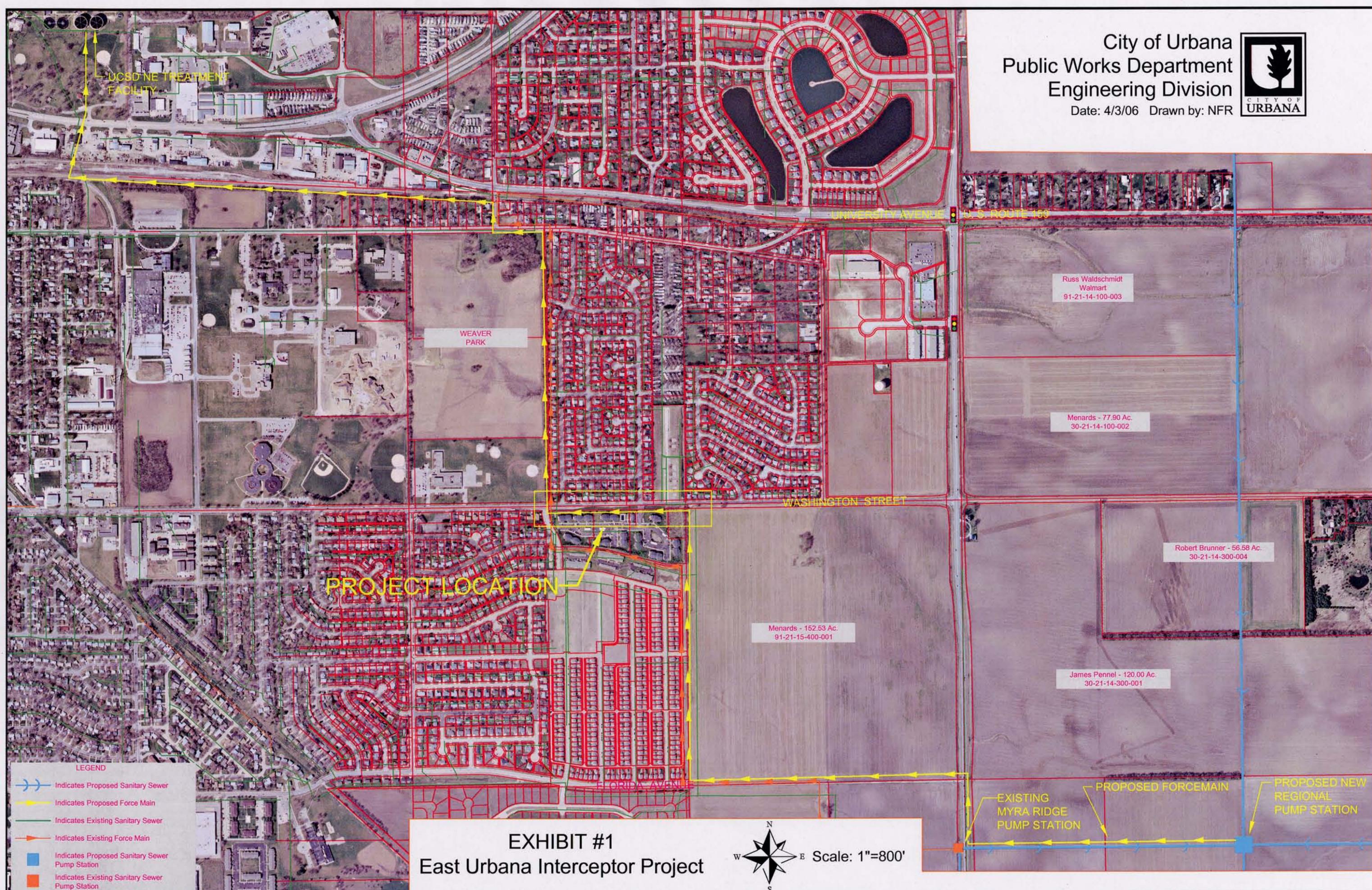
Phyllis D. Clark, City Clerk

APPROVED by the Mayor this \_\_\_\_\_ day of \_\_\_\_\_,

\_\_\_\_\_.

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Laurel L. Prussing, Mayor



**LEGEND**

- Indicates Proposed Sanitary Sewer
- Indicates Proposed Force Main
- Indicates Existing Sanitary Sewer
- Indicates Existing Force Main
- Indicates Proposed Sanitary Sewer Pump Station
- Indicates Existing Sanitary Sewer Pump Station

**EXHIBIT #1**  
 East Urbana Interceptor Project

Scale: 1"=800'

Russ Waldschmidt  
 Walmart  
 91-21-14-100-003

Menards - 77.90 Ac.  
 30-21-14-100-002

Robert Brunner - 56.58 Ac.  
 30-21-14-300-004

Menards - 152.53 Ac.  
 91-21-15-400-001

James Pennel - 120.00 Ac.  
 30-21-14-300-001

EXISTING  
 MYRA RIDGE  
 PUMP STATION

PROPOSED FORCEMAIN

PROPOSED NEW  
 REGIONAL  
 PUMP STATION

**PROJECT LOCATION**

WEAVER  
 PARK

UCSD NE TREATMENT  
 FACILITY

UNIVERSITY AVENUE U.S. ROUTE 150

WASHINGTON STREET

FLORIDA AVENUE

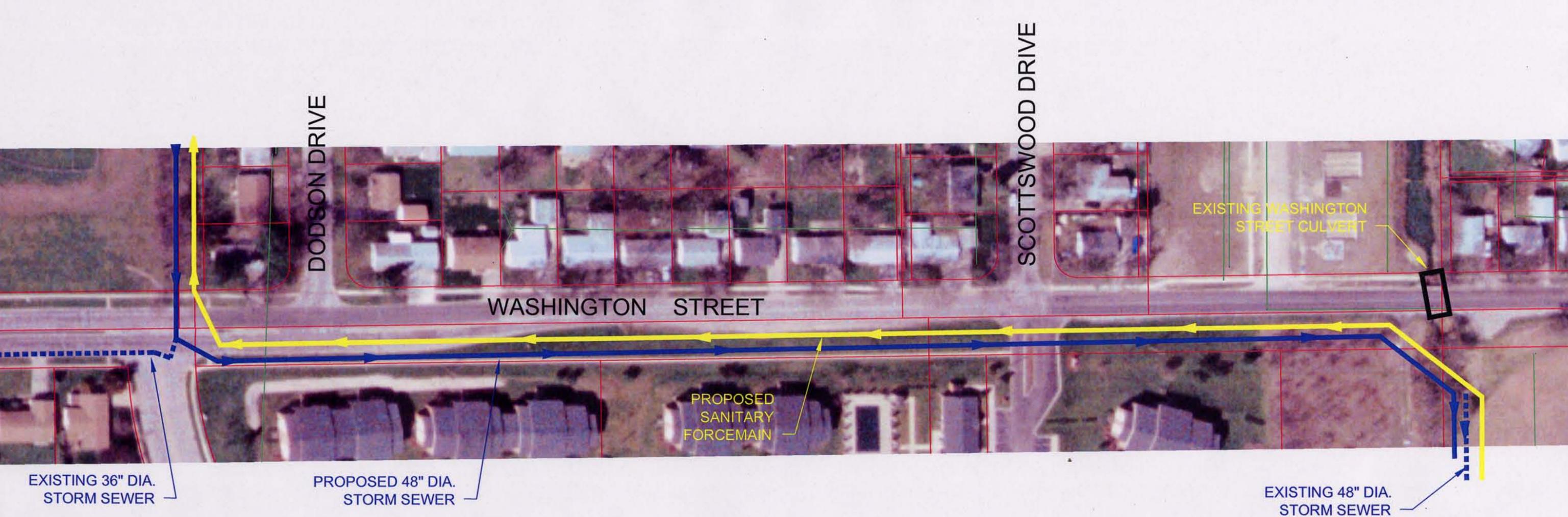


EXHIBIT #2  
 East Urbana Interceptor Project

