

Source: Public Works

Agenda Item No: (A)

To: City Council
From: City Manager and Staff

Council Meeting Date: Mar 3, 2014

Re: Public Hearing - Sanitary Sewer Main and Manhole Rehabilitation Project

EXECUTIVE SUMMARY:

Staff has prepared for Council consideration legislation setting a public hearing for April 7, 2014 concerning the Sanitary Sewer Main and Manhole Rehabilitation project. This proposed sanitary sewer system improvement project will consist of rehabilitating approximately 15,500 linear feet of sewer line and approximately 60 manholes. The project will also include the rehabilitation of approximately 445 service connections, and 4,800 linear feet of service lines located within public right-of-way and/or easement. The estimated cost for this project is \$2,500,000, and will be paid from Sanitary Sewer Utility funds.

DISCUSSION:

The City's sewer system consists of approximately 680 miles of sewer, and continued replacement or rehabilitation of the aging portions of the system, is an essential need. In addition to addressing infrastructure improvement needs, this project is also part of the ongoing effort to reduce the amount of inflow and infiltration (I&I) that enters the City's sewer system which can result in sanitary sewer overflows and backups into buildings. The rehabilitation of the service connections and service laterals in the right-of-way or easement, are specifically intended to help reduce I&I.

This proposed sewer improvement project will consist of rehabilitating approximately 15,500 linear feet of public sewer line and approximately 60 manholes. It also includes the rehabilitation of 445 private service connections, and 4,800 linear feet of private service lines located within public right-of-way and/or easement. This project will rehabilitate almost three miles of aging sewer mains in the City's system, as shown on the attached diagram.

City staff and TREKK Design Group, our engineering consultant, have been working in the identified areas over the past years to identify I&I sources and sewer infrastructure rehabilitation needs. The scope of work for this project has been identified by smoke testing, CCTV and dye flooding. If the project is approved by Council, it will be completed using an existing term and supply contract for these type of services.

FISCAL IMPACT:

The estimated cost for this project is \$2,500,000, and will be funded from Sanitary Sewer Utility funds which include a combination of funds from the 2008 ballot issue, enterprise revenue funds, and operating funds.

VISION IMPACT:

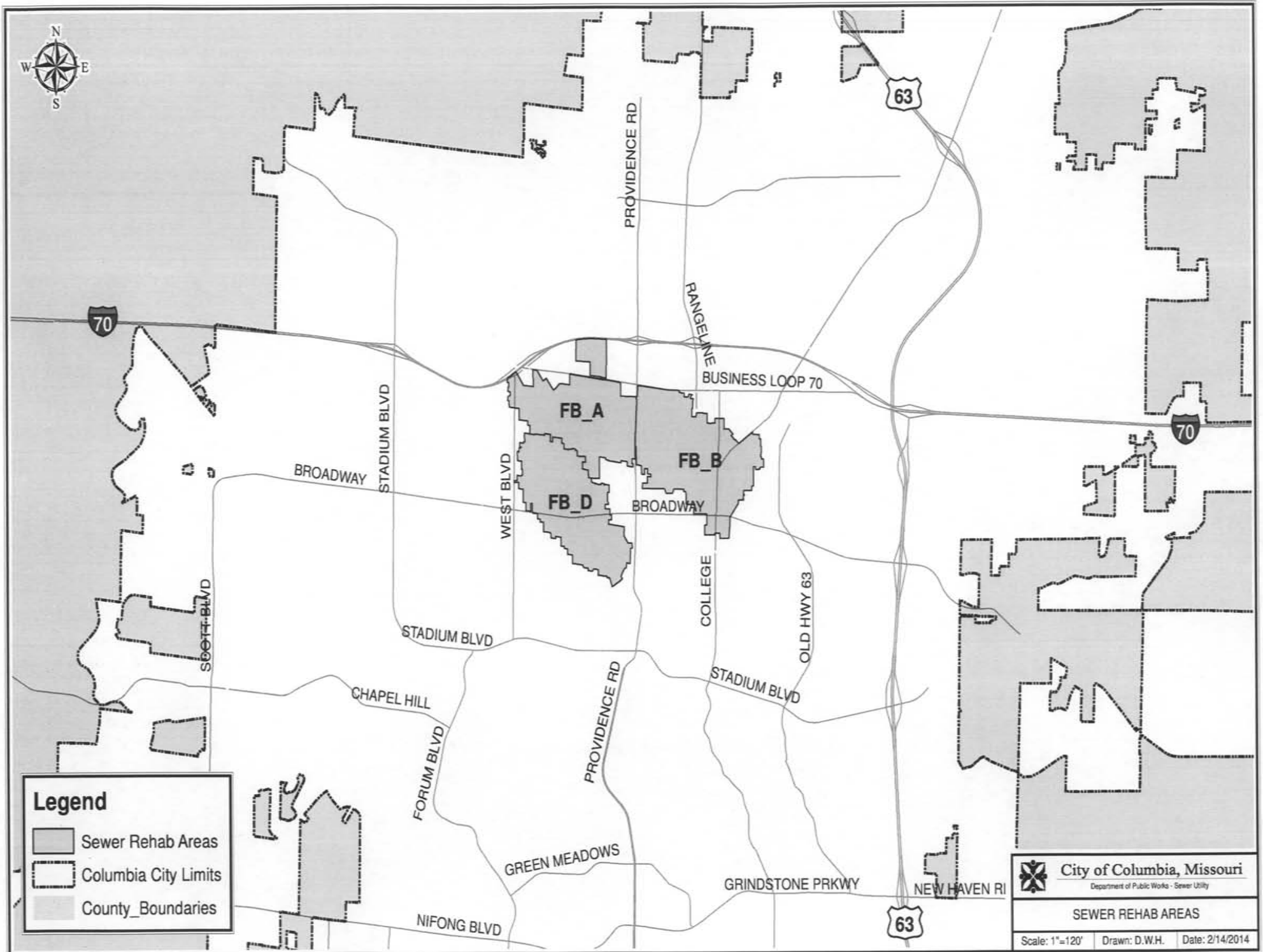
<http://www.gocolumbiamo.com/Council/Meetings/visionimpact.php>

The construction of these types of projects will help protect the water quality of the watersheds in Columbia.




SUGGESTED COUNCIL ACTIONS:

After the public hearing and Council discussion, direct staff to proceed with the Sanitary Sewer Main and Manhole Rehabilitation project.

FISCAL and VISION NOTES:					
City Fiscal Impact Enter all that apply		Program Impact		Mandates	
City's current net FY cost	\$0.00	New Program/ Agency?	No	Federal or State mandated?	No
Amount of funds already appropriated	\$0.00	Duplicates/Epands an existing program?	Yes	Vision Implementation impact	
Amount of budget amendment needed	\$0.00	Fiscal Impact on any local political subdivision?	No	Enter all that apply: Refer to Web site	
Estimated 2 year net costs:		Resources Required		Vision Impact?	Yes
One Time	\$0.00	Requires add'l FTE Personnel?	No	Primary Vision, Strategy and/or Goal Item #	9.1
Operating/ Ongoing	\$0.00	Requires add'l facilities?	No	Secondary Vision, Strategy and/or Goal Item #	
		Requires add'l capital equipment?	No	Fiscal year implementation Task #	



Legend

-  Sewer Rehab Areas
-  Columbia City Limits
-  County_Boundaries

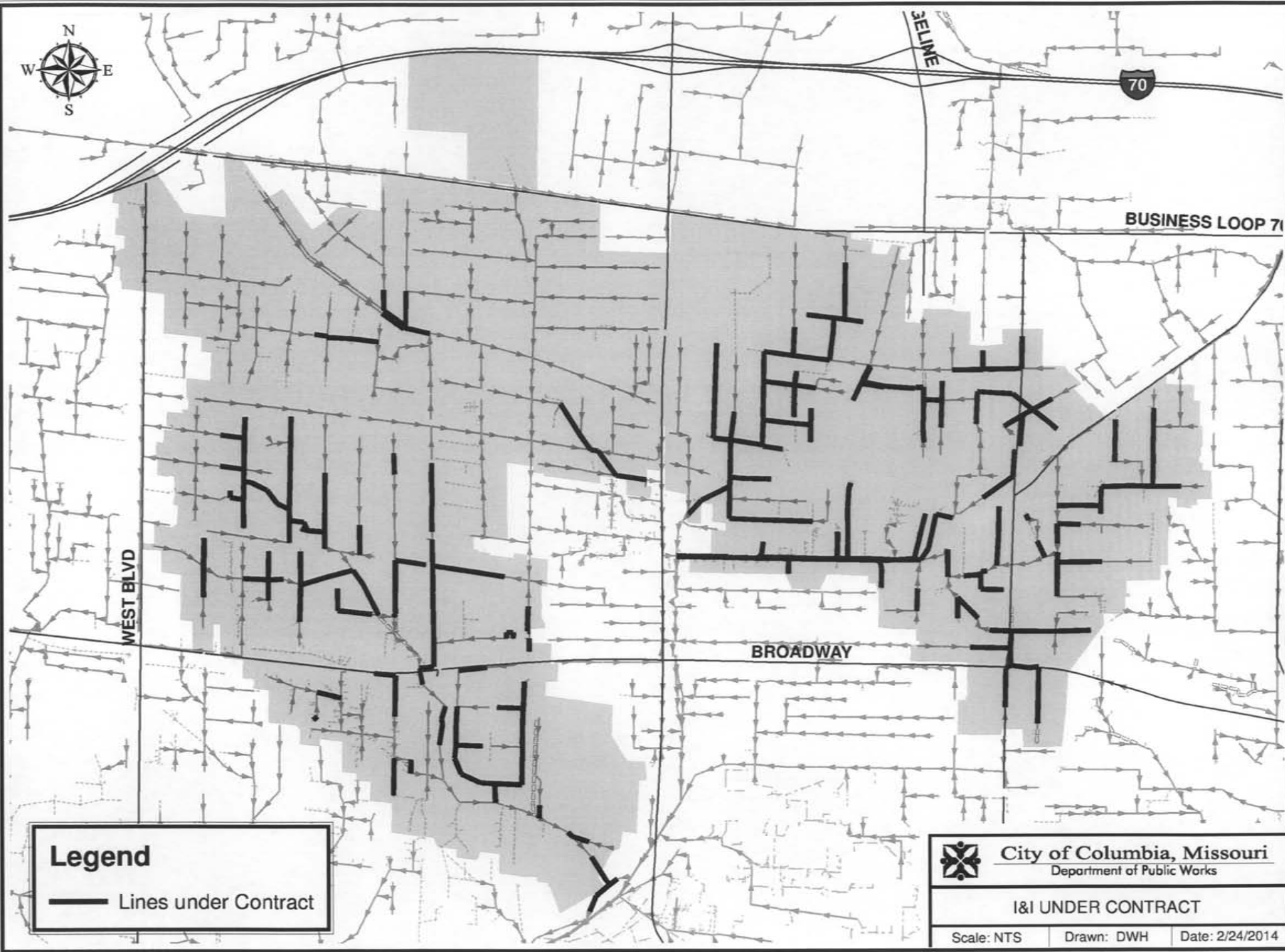


City of Columbia, Missouri

Department of Public Works - Sewer Utility

SEWER REHAB AREAS

Scale: 1"=120' Drawn: D.W.H. Date: 2/14/2014



Legend

— Lines under Contract



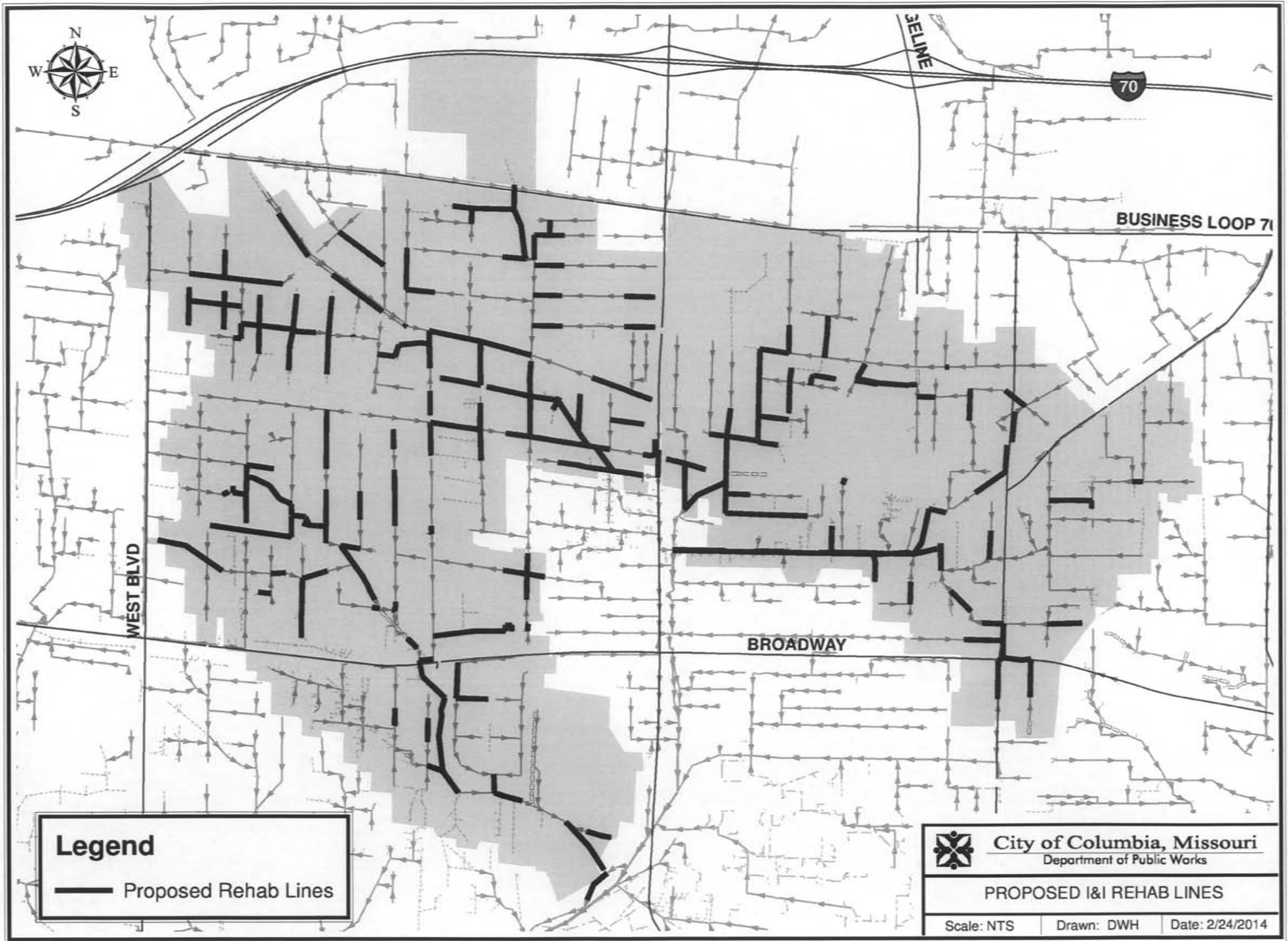
City of Columbia, Missouri
Department of Public Works

I&I UNDER CONTRACT

Scale: NTS

Drawn: DWH

Date: 2/24/2014



Introduced by _____ Council Bill No. R 31-14

A RESOLUTION

declaring the necessity for construction of the sanitary sewer main and manhole rehabilitation project; stating the nature of and the estimate of the cost of the improvement; providing for payment for the improvement; providing for compliance with the prevailing wage law; and setting a public hearing.

BE IT RESOLVED BY THE COUNCIL OF THE CITY OF COLUMBIA, MISSOURI, AS FOLLOWS:

SECTION 1. The City Council deems construction of the sanitary sewer main and manhole rehabilitation project, which involves rehabilitating approximately 15,500 linear feet of public sewer lines and approximately 60 manholes, and rehabilitating 445 private service connections and 4,800 linear feet of private service lines located within public right-of-way and/or easement, necessary to the welfare and improvement of the City.

SECTION 2. The nature and scope of the improvement shall consist of furnishing all labor, materials, transportation, insurance and all other items, accessories and incidentals thereto necessary for the complete construction of the improvements.

SECTION 3. The estimated cost of this improvement is \$2,500,000.00.

SECTION 4. Payment for this improvement shall be made from sanitary sewer utility funds and such other funds as may be lawfully appropriated.

SECTION 5. Any work done in connection with the construction of the improvement specified above shall be in compliance with the provisions of the prevailing wage laws of the State of Missouri.

SECTION 6. A public hearing in respect to this improvement will be held in the Council Chamber of the City Hall Building, 701 E. Broadway, Columbia, Missouri, at 7:00 p.m. on April 7, 2014. The City Clerk shall cause notice of this hearing to be published in a newspaper published in the City.

ADOPTED this _____ day of _____, 2014.

ATTEST:

City Clerk

Mayor and Presiding Officer

APPROVED AS TO FORM:

City Counselor