



CITY of NOVI CITY COUNCIL

Agenda Item 5
August 27, 2012

SUBJECT: Approval to award a construction contract for Sanitary Sewer Rehabilitation in CMOM program areas B, C1, and G to Inland Waters Pollution Control, Inc., the low bidder, in the amount of \$553,441.

SUBMITTING DEPARTMENT: Department of Public Services, Engineering Division ^{PM}
Department of Public Services, Water and Sewer Division ^{BTC} _{RJ}

CITY MANAGER APPROVAL: 

EXPENDITURE REQUIRED	\$553,441
LINE ITEM NUMBER	592-592.00-936.500 (Water & Sewer Fund)

BACKGROUND INFORMATION:

A sanitary sewer Capacity Management, Operations, and Maintenance (CMOM) program was initiated by the City in 2005 as a multi-phased program to perform long-range planning, improve operation and maintenance of the system, and ensure the integrity of the sanitary sewer system. One of the key components of the CMOM program is the evaluation of the sanitary sewer infrastructure to determine areas that require repair - primarily to prevent the infiltration and inflow of clean water (i.e., groundwater and storm water run-off) from entering the system and being unnecessarily treated at the Detroit wastewater treatment plant. Infiltration and inflow that enter the system will increase treatments costs and decrease available capacity.

Over the past several years, the Water and Sewer Division has cleaned and televised these areas to identify defective segments of pipe that are in need of repair. The scope of this project includes the rehabilitation of the areas identified by Water and Sewer staff in three areas within the City, identified as Areas B, C1 and G (see attached location map from the CMOM Phase II report). Of the lines televised, 192 locations in 117 sections of sewer pipe were identified for repair. To put the rehabilitation effort into perspective, this project represents the rehabilitation of roughly one-third of the City's sanitary sewage collection system network.

Spalding DeDecker Associates (SDA) was selected to provide assistance in completing the evaluation of these portions of the system, and for recommending repair techniques based on their pipe rehabilitation expertise. SDA developed a report recommending corrective maintenance to be completed (attached). The repair techniques include the cleaning and removal of obstructions and accumulated deposits, cured-in-place pipe lining for the severe defects, and spot grouting for some of the minor defects.

The CMOM Phase II report stated the need for an annual rehabilitation program that would be intended to evaluate the City's sanitary sewer system on a regular cycle. However, since this is the first year for the rehabilitation program, a larger project including the Areas B, C1 and G is being proposed to catch-up with the existing cleaning and televising schedule.

Six bids were received and opened on August 14, 2012 following a public bid solicitation period. The lowest bidder is Inland Waters Pollution Control, Inc. Inland Water's bid is recommended as being in the best interest of the City as it is responsive (i.e., Inland Waters has complied with all requirements of the bidding instructions) and it is the lowest price for the selected option. (SDA's award recommendation letter including the bid tabulation dated August 17, 2012 is attached.) A summary of the six bids is as follows:

Bidder	Total Bid Price*
Inland Waters Pollution Control, Inc.	\$553,440.75
Utility Services Authority, LLC	\$624,900.00
Lanzo Lining Services, Inc.	\$629,660.00
Insituform Technologies USA	\$641,739.00
Liquiforce Services, Inc.	\$676,355.00
Layne Inliner, LLC	\$710,360.50

*Crew Days are included to compare bids, but are not included in the award.

Construction is scheduled to begin in fall 2012 and completion is anticipated in early 2013.

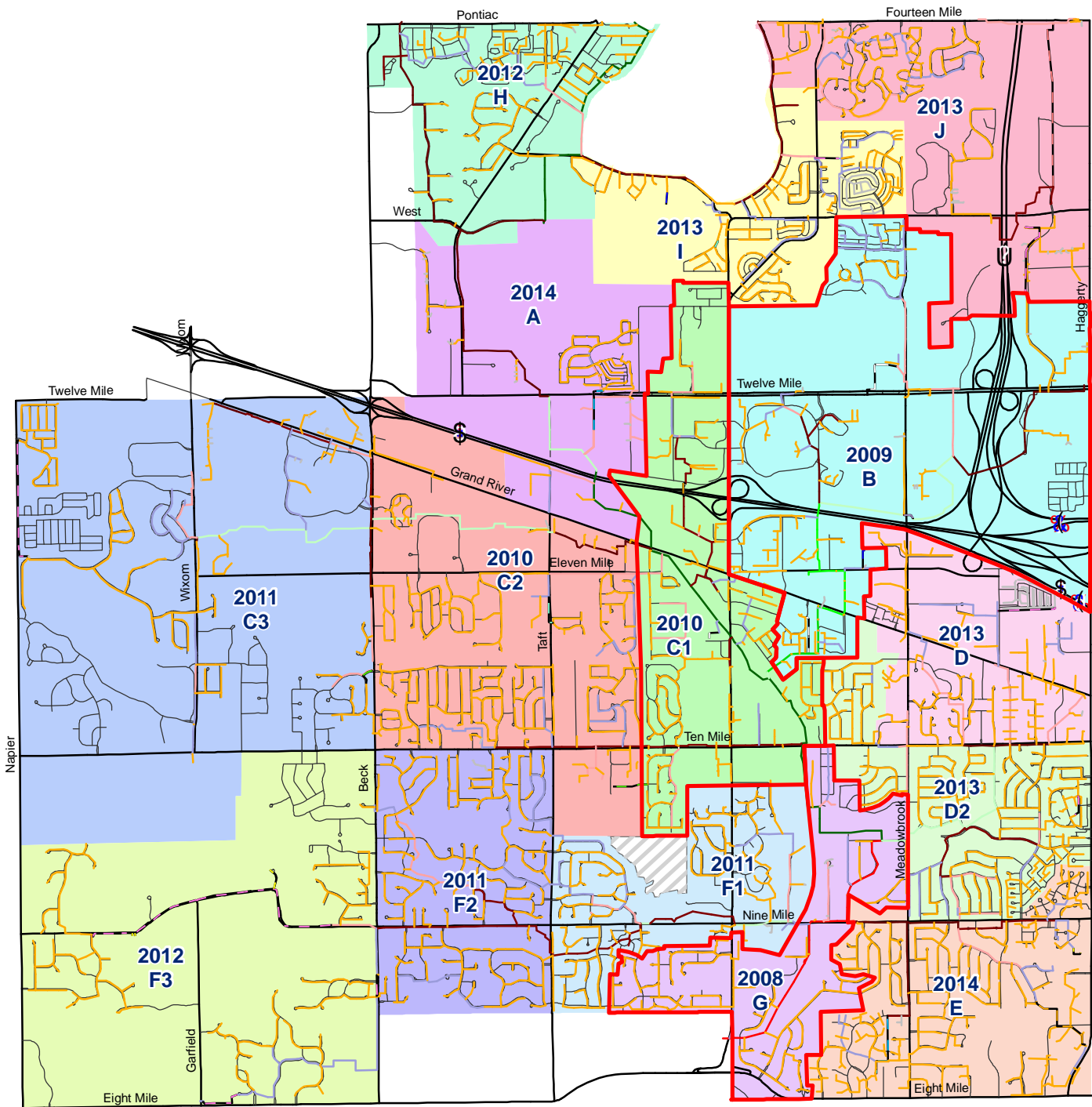
RECOMMENDED ACTION: Approval to award a construction contract for Sanitary Sewer Rehabilitation in CMOM program areas B, C1, and G to Inland Waters Pollution Control, Inc., the low bidder, in the amount of \$553,441.

	1	2	Y	N
Mayor Gatt				
Mayor Pro Tem Staudt				
Council Member Casey				
Council Member Fischer				

	1	2	Y	N
Council Member Margolis				
Council Member Mutch				
Council Member Wrobel				

Figure 1.

City of Novi - CMOM Phase II Televising and Cleaning Schedule



Map Author: Stephanie Sambrook,
City GIS Technician
Map Print Date:
February 17, 2011

MAP INTERPRETATION NOTICE

Map information depicted is not intended to replace or substitute for any official or primary source. This map was intended to meet National Map Accuracy Standards and use the most recent, accurate sources available to the people of the City of Novi. Boundary measurements and area calculations are approximate and should not be construed as survey measurements performed by a licensed Michigan Surveyor as defined in Michigan Public Act 132 of 1970 as amended. Please contact the City GIS Manager to confirm source and accuracy information related to this map.

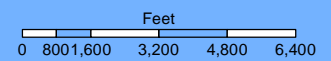
Map Legend

Sanitary Mains		Road
1.5" FM	8.0FM	Major
2.0FM	10.0"	Minor
3.0" FM	10.0" FM	Novi Township
4.0" FM	12.0"	
6.0"	12.0FM	
6.0FM	15.0"	
8.0"	18.0"	
	18.0FM	
	21.0"	
	27.0"	
	30.0"	
	36.0"	
	42.0"	
	ABND	



City of Novi

Geographic Information Services
Dept. of Information Technology
45175 W Ten Mile Rd
Novi, MI 48375
cityofnovi.org



1 inch = 4,500 feet



August 17, 2012

Mr. Rob Hayes, PE, City Engineer
City of Novi
45175 W. Ten Mile Road
Novi, Michigan 48375

Re: **Recommendation for Award**
Sanitary Sewer Rehabilitation Areas B, C1 & G
SDA Project No.: NV11003

Dear Mr. Hayes:

On August 14, 2012 at 2:00 pm, construction bids were opened and publicly read at the City of Novi for the Sanitary Sewer Rehabilitation Areas B, C1 & G project.

The City Clerk's office received six (6) bids for this project. The apparent low bidder, Inland Waters Pollution Control, Inc., submitted a bid price of \$596,490.75 (\$553,440.75 excluding Crew Days). Subsequent to the bid opening, Spalding DeDecker Associates (SDA) reviewed all of the bids received and prepared the attached bid tabulation for the project.

Submitted unit prices were reviewed against those being currently seen in the construction industry. SDA believes the unit prices are within an acceptable range for this type of work.

SDA has also reviewed contractor qualifications and a list of references from Inland Waters Pollution Control, Inc. Based upon our review of the submitted qualifications and a check of the references, SDA finds that Inland Waters Pollution Control, Inc. is qualified to perform the required construction.

Though it does not affect our recommendation, it should be noted that a lawsuit has been filed by the Macomb County Drain Drainage District against 40 defendants, including Inland Waters Pollution Control, Inc., over the work performed in 2004 and 2005 in connection with the emergency repair of the collapsed sanitary interceptor and associated sink hole on 15 Mile Road. At this time, the Court has stayed the lawsuit after Inland Waters Pollution Control, Inc. and numerous other defendants filed a motion for summary judgment against Macomb County Drain Drainage District's complaint.

It is our recommendation that the project be awarded to the low bidder, Inland Waters Pollution Control, Inc., for the Sanitary Sewer Rehabilitation Areas B, C1 & G project for the bid price of \$596,490.75 (\$553,440.75 excluding Crew Days).

Upon award by the City Council our office will coordinate the execution of the Contract Agreement, Bonds and Insurance Policy as well as any other necessary documents with the selected contractor, and issuance of a Notice to Proceed upon execution of the contract documents.

If you have any questions, please contact our office at your convenience.

Sincerely,
SPALDING DEDECKER ASSOCIATES, INC.



Maria Sedki, PE
Manager, Municipal Engineering Department

Enclosure: Signed Bid Tabulation

cc. Ms. Maryanne Cornelius, City Clerk



BID TAB FOR:
Sanitary Sewer Rehabilitation Areas B, C1 & G
City of Novi
SDA JOB NO. NV11-003



August 14, 2012 - 2:00 PM

ITEM NO.	ITEM	UNIT	QTY	Inland Waters Pollution Control, Inc.		Utility Services Authority, LLC		Lanzo Lining Services, Inc.	
				UNIT PRICE	CONTRACT AMOUNT	UNIT PRICE	CONTRACT AMOUNT	UNIT PRICE	CONTRACT AMOUNT
1	Bonds, Insurance and Initial Set-Up Expense (3% Max)	LS	1	\$8,000.00	\$8,000.00	\$8,500.00	\$8,500.00	\$12,000.00	\$12,000.00
2	Inspection Crew Days	Days	\$615.00	70	\$43,050.00	50	\$30,750.00	60	\$36,900.00
3	Audio/Visual DVD Coverage	LS	1	\$3,500.00	\$3,500.00	\$2,500.00	\$2,500.00	\$5,000.00	\$5,000.00
4	Soil Erosion Control	LS	1	\$250.00	\$250.00	\$1,200.00	\$1,200.00	\$500.00	\$500.00
5	Traffic Control	LS	1	\$1,500.00	\$1,500.00	\$2,500.00	\$2,500.00	\$5,000.00	\$5,000.00
6	Clean and Televiser Sanitary Sewer, 6 Inch	LF	215	\$2.65	\$569.75	\$5.00	\$1,075.00	\$2.00	\$430.00
7	Clean and Televiser Sanitary Sewer, 8 Inch	LF	14,500	\$2.65	\$38,425.00	\$2.00	\$29,000.00	\$2.00	\$29,000.00
8	Clean and Televiser Sanitary Sewer, 10 Inch	LF	4,500	\$2.65	\$11,925.00	\$2.00	\$9,000.00	\$2.00	\$9,000.00
9	Clean and Televiser Sanitary Sewer, 12 Inch	LF	1,690	\$2.65	\$4,478.50	\$2.00	\$3,380.00	\$2.00	\$3,380.00
10	Clean and Televiser Sanitary Sewer, 15 Inch	LF	1,120	\$2.65	\$2,968.00	\$3.00	\$3,360.00	\$2.00	\$2,240.00
11	Specialty Cleaning and Televiser, 8 Inch	LF	290	\$2.75	\$797.50	\$5.00	\$1,450.00	\$4.00	\$1,160.00
12	Specialty Cleaning and Televiser, 10 Inch	LF	3,590	\$2.75	\$9,872.50	\$3.00	\$10,770.00	\$4.00	\$14,360.00
13	Spot Grouting	EA	37	\$450.00	\$16,650.00	\$340.00	\$12,580.00	\$10.00	\$370.00
14	C.I.P.P., 6 Inch	LF	215	\$30.00	\$6,450.00	\$50.00	\$10,750.00	\$60.00	\$12,900.00
15	C.I.P.P., 8 Inch	LF	8,420	\$24.75	\$208,395.00	\$26.00	\$218,920.00	\$26.00	\$218,920.00
16	C.I.P.P., 10 Inch	LF	6,910	\$25.95	\$179,314.50	\$29.00	\$200,390.00	\$28.00	\$193,480.00
17	C.I.P.P., 12 Inch	LF	990	\$28.00	\$27,720.00	\$35.00	\$34,650.00	\$38.00	\$37,620.00
18	C.I.P.P., 15 Inch	LF	925	\$35.00	\$32,375.00	\$45.00	\$41,625.00	\$48.00	\$44,400.00
19	Restoration	LS	1	\$250.00	\$250.00	\$2,500.00	\$2,500.00	\$3,000.00	\$3,000.00
TOTAL BID AMOUNT					\$596,490.75		\$624,900.00		\$629,660.00
GRAND TOTAL WITHOUT CREW DAYS					\$553,440.75		\$594,150.00		\$592,760.00

* CORRECTED BY THE ENGINEER

Other Bidders	Total Bid Amount	Grand Total w/o Crew Days
Insituform Technologies USA	\$641,739.00	\$595,614.00
Liquiforce Services, Inc.	\$676,355.00	\$639,455.00
Layne Inliner, LLC	\$710,360.50	\$670,385.50

I HEREBY CERTIFY THAT THE ABOVE IS THE TRUE AND CORRECT SUMMARY OF THE PROPOSALS RECEIVED

SPALDING DEDECKER ASSOCIATES, INC.
 Maria Sedki, PE

8/15/2012
 DATE