



CITY of NOVI CITY COUNCIL

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Agenda Item J
November 13, 2007

SUBJECT: Approval to award a service contract for the Sanitary Sewer Televising and Cleaning project (a CMOM-identified project) to Doetsch Industrial Services, Inc., the lowest qualified bidder, in the amount of \$86,895.

SUBMITTING DEPARTMENT: Engineering *km*

CITY MANAGER APPROVAL: *[Signature]*

EXPENDITURE REQUIRED	\$86,895
AMOUNT BUDGETED	\$175,000 (the difference represents internal/external engineering costs)
LINE ITEM NUMBER	592-592.00-936.500

BACKGROUND INFORMATION:

The City initiated the sanitary sewage *Capacity, Management, Operations and Maintenance (CMOM)* Program in 2004, and the first two phases of the program have included: an investigation of the existing capacity of the system, an inventory of pump stations, flow metering at key locations throughout the City to identify potential areas of inflow and infiltration problems, an investigation of key areas of the City prone to inflow and infiltration, and the development of a list of projects to add to the City's capital improvements program. The project list includes this project, which part of the third phase of the CMOM program.

City Council awarded engineering services to Orchard Hiltz & McCliment (OHM) for the third phase tasks of the CMOM program in September 2007. As a result of OHM's Phase III report, the tasks recommended to be completed in the third phase include:

- A. Design, bidding, construction engineering services and a reporting phase for a pilot program within a designated area (upstream of the Country Place pump station in Section 35) for inflow and infiltration removal based on the results of the Sanitary Sewer Evaluation Survey (SSES). (The SSES was completed in CMOM Phase II).
- B. **The cleaning and televising of areas identified as Tier II areas in the SSES.**
- C. Additional flow metering of priority areas of the City.

The award of this service contract is for Task B - the cleaning and televising of areas identified as Tier II areas in the SSES. This project includes televising some of the older sanitary sewers in the system (identified in the attached map as Tier II) and analyzing them for potential problems to be addressed as capital improvement projects in the future, either as sanitary sewer rehabilitation or replacement projects.

Twelve bids were received and opened on November 1, 2007 following a public bid solicitation period. The lowest responsive bid was received from Doetsch Industrial Services, Inc. Doetsch's bid is recommended as being in the best interest of the City as it is responsive (i.e., Doetsch has complied with all requirements of the bidding instructions) and it is the lowest price. (OHM's award recommendation letter dated November 5, 2007 is attached). It should be noted that the "as-read" low bidder was Visu-Sewer Clean & Seal, Inc. However, Visu-Sewer did not acknowledge the last two of the four addenda issued for the project and did not provide a 5% bid bond as required by the invitation to bid, rendering Visu-Sewer's bid non-responsive.

A summary of the bids is as follows:

Bidder	Total Bid
Visu-Sewer Clean & Seal	\$59,195.00 *
Doetsch Industrial Services Inc.	86,895.00
Robinson Pipe	99,310.00
Aqua Group	118,905.00
Downunder Municipal Services LLC	122,679.50
Inland Waters Pollution Control	123,266.50
American Hydro Services	136,347.00
Lake County Sewer Co.	142,798.00
Metro Environmental Services	153,570.00
Advanced Underground Inspection	161,240.00
AAA Pipe Cleaning Corp.	176,215.00
Utility Services Authority	194,710.00

* The bid from Visu-Sewer did not acknowledge two of the four addenda and did not include a bid bond.

The contract completion date for the sanitary sewer televising and cleaning work is February 29, 2008.

RECOMMENDED ACTION: Approval to award a service contract for the Sanitary Sewer Televising and Cleaning project (a CMOM-identified project) to Doetsch Industrial Services, Inc., the lowest qualified bidder, in the amount of \$86,895.

	1	2	Y	N
Mayor Landry				
Mayor Pro Tem Capello				
Council Member Crawford				
Council Member Gatt				

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

November 5, 2007



City of Novi
45175 West Ten Mile Road
Novi, Michigan 48375

Attention: Brian Coburn, P.E.

Regarding: Sanitary Sewer Closed Circuit Televising
Letter of Recommendation
OHM Job No. 0163-07-3001

Dear Mr. Coburn:

A total of twelve (12) bids for the above-referenced project were received on November 1, 2007. Listed below are the three lowest bids. Also, a copy of the bid tabulation has been attached for your information.

Contractor	Bid Amount
Visu-Sewer Clean & Seal, Inc.	\$59,195.00
Doetsch Industrial Services, Inc.	\$86,895.00
Robinson Pipe Cleaning Co.	\$99,310.00

We have reviewed the documentation submitted by Visu-Sewer and have found it to be unacceptable. Visu-Sewer did not acknowledge Addendum Numbers 3 and 4 and failed to provide the required five (5) percent Bid Bond. We reviewed the documentation submitted by Doetsch Industrial Services, Inc. and their bid was found to be acceptable. Additionally, a review of their qualifications discovered no negative concerns. We are recommending award of this contract to Doetsch Industrial Services, Inc. in the amount of \$86,895.00 based on the attached unit prices bid.

If you have any questions or require additional information, please feel free to contact me at (734) 466-4527.

Sincerely,
OHM

A handwritten signature in cursive script, appearing to read "Daniel A. Schmoekel", is written over a horizontal line.

Daniel A. Schmoekel, E.I.T.
Engineer

cc: Al McComb, PE, OHM
File

Tabulation for Bids Received on 11/01/2007
City of Novi - Sanitary Sewer Closed Circuit Televising
 City of Novi, Oakland County, State of Michigan

Visu-Sewer Clean & Seal, Inc.
 W230N4855 Betker Drive
 Pewaukee, WI 53072

Doetsch Industrial Services, Inc.
 21221 Mullin Ave.
 Warren, MI 48089

Robinson Pipe Cleaning Co.
 One Rainey Road
 P.O. Box 396
 Eighty Four, PA 15330

Phone: 262.695.2340

Phone: 586.755.2090

Phone: 724.228.5600

Item No.	Description	Estimated Quantity	Unit		Unit		Unit	
			Price	Amount	Price	Amount	Price	Amount
1)	Sanitary Sewer Video Inspection, 6-10 inches	53,400 LFT	\$0.45	\$24,030.00	\$0.50	\$26,700.00	\$1.00	\$53,400.00
2)	Sanitary Sewer Video Inspection, 12-21 inches	11,650 LFT	\$0.45	\$5,242.50	\$0.50	\$5,825.00	\$1.00	\$11,650.00
3)	Sanitary Sewer Cleaning, 6-10 inches	53,400 LFT	\$0.45	\$24,030.00	\$0.80	\$42,720.00	\$0.25	\$13,350.00
4)	Sanitary Sewer Cleaning, 12-21 inches	11,650 LFT	\$0.45	\$5,242.50	\$1.00	\$11,650.00	\$0.40	\$4,660.00
5)	Bypass Pumping	65,000 LFT	\$0.01	\$650.00	\$0.00	\$0.00	\$0.25	\$16,250.00
TOTAL BID AMOUNT				\$59,195.00		\$86,895.00		\$99,310.00

CORRECTIONS

- * AAA Pipe Cleaning: OHM corrected contractor multiplication error and adjusted total to reflect multiplication error.
- ** Downunder Municipal: OHM adjusted total for summation error.

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Tabulation for Bids Received on 11/01/2007
City of Novi - Sanitary Sewer Closed Circuit Televising
 City of Novi, Oakland County, State of Michigan

AQWA Group, LLC
 7700 Second Avenue
 Detroit, MI 48202

Downunder Municipal
 Services, LLC
 2612 Miller Road
 Kalamazoo, MI 49001

Inland Waters Pollution
 Control, Inc.
 24354 King Road
 Brownstown, MI 48217

Phone: 313-420-1176

Phone: 269.344.0127

Phone: 734.479.3205

Item No.	Description	Estimated Quantity	Unit		Unit		Unit	
			Price	Amount	Price	Amount	Price	Amount
1)	Sanitary Sewer Video Inspection, 6-10 inches	53,400 LFT	\$0.50	\$26,700.00	\$0.54	\$28,836.00	\$0.55	\$29,370.00
2)	Sanitary Sewer Video Inspection, 12-21 inches	11,650 LFT	\$0.50	\$5,825.00	\$0.54	\$6,291.00	\$0.55	\$6,407.50
3)	Sanitary Sewer Cleaning, 6-10 inches	53,400 LFT	\$1.30	\$69,420.00	\$1.10	\$58,740.00	\$1.05	\$56,070.00
4)	Sanitary Sewer Cleaning, 12-21 inches	11,650 LFT	\$1.40	\$16,310.00	\$2.25	\$26,212.50	\$1.86	\$21,669.00
5)	Bypass Pumping	65,000 LFT	\$0.01	\$650.00	\$0.04	\$2,600.00	\$0.15	\$9,750.00
TOTAL BID AMOUNT				\$118,905.00		\$122,679.50 **		\$123,266.50

CORRECTIONS

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** Downunder Municipal: OHM adjusted total for summation error.

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Tabulation for Bids Received on 11/01/2007
City of Novi - Sanitary Sewer Closed Circuit Televising
 City of Novi, Oakland County, State of Michigan

American Hydro Services, Inc.
 4235 Green Bay Rd., Ste 213
 Kenosha, WI 53144

Lake County Sewer Co., Inc.
 32900 Lakeland Blvd.
 Willowick, OH 44095

Metro Environmental
 Services, Inc.
 1025 Metro Drive
 P.O. Box 725
 Walled Lake, MI 48356
 Phone: 248.960.1111

Phone: 262.605.0970

Phone: 440.585.5757

Item No.	Description	Estimated Quantity	American Hydro Services, Inc.		Lake County Sewer Co., Inc.		Metro Environmental Services, Inc.	
			Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
1)	Sanitary Sewer Video Inspection, 6-10 inches	53,400 LFT	\$0.83	\$44,322.00	\$1.05	\$56,070.00	\$0.60	\$32,040.00
2)	Sanitary Sewer Video Inspection, 12-21 inches	11,650 LFT	\$1.17	\$13,630.50	\$1.26	\$14,679.00	\$0.60	\$6,990.00
3)	Sanitary Sewer Cleaning, 6-10 inches	53,400 LFT	\$1.03	\$55,002.00	\$1.05	\$56,070.00	\$1.10	\$58,740.00
4)	Sanitary Sewer Cleaning, 12-21 inches	11,650 LFT	\$1.45	\$16,892.50	\$1.26	\$14,679.00	\$2.00	\$23,300.00
5)	Bypass Pumping	65,000 LFT	\$0.10	\$6,500.00	\$0.02	\$1,300.00	\$0.50	\$32,500.00
TOTAL BID AMOUNT				<u>\$136,347.00</u>		<u>\$142,798.00</u>		<u>\$153,570.00</u>

CORRECTIONS

- * AAA Pipe Cleaning: OHM corrected contractor multiplication error and adjusted total to reflect multiplication error.
- ** Downunder Municipal: OHM adjusted total for summation error.

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Tabulation for Bids Received on 11/01/2007
City of Novi - Sanitary Sewer Closed Circuit Televising
 City of Novi, Oakland County, State of Michigan

Advanced Underground
 Inspection
 38657 Webb Drive
 Westland, MI 48185

AAA Pipe Cleaning Corp.
 7277 Bessemer Ave.
 Cleveland, OH 44127

Utility Services Authority, LLC
 6001 Schooner
 Belleville, MI 48112

Phone: 734.721.0081

Phone: 216.231.1000

Phone: 734.481.0872

Item No.	Description	Estimated Quantity	Unit Price		Unit Price		Unit Price	
			Price	Amount	Price	Amount	Price	Amount
1)	Sanitary Sewer Video Inspection, 6-10 inches	53,400 LFT	\$0.60	\$32,040.00	\$1.75	\$93,450.00	\$0.80	\$42,720.00
2)	Sanitary Sewer Video Inspection, 12-21 inches	11,650 LFT	\$0.60	\$6,990.00	\$1.75	\$20,387.50 *	\$0.90	\$10,485.00
3)	Sanitary Sewer Cleaning, 6-10 inches	53,400 LFT	\$1.20	\$64,080.00	\$0.90	\$48,060.00	\$2.00	\$106,800.00
4)	Sanitary Sewer Cleaning, 12-21 inches	11,650 LFT	\$2.20	\$25,630.00	\$0.95	\$11,067.50 *	\$2.70	\$31,455.00
5)	Bypass Pumping	65,000 LFT	\$0.50	\$32,500.00	\$0.05	\$3,250.00	\$0.05	\$3,250.00
TOTAL BID AMOUNT				<u>\$161,240.00</u>		<u>\$176,215.00</u> *		<u>\$194,710.00</u>

CORRECTIONS

- * AAA Pipe Cleaning: OHM corrected contractor multiplication error and adjusted total to reflect multiplication error.
- ** Downunder Municipal: OHM adjusted total for summation error.

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CITY OF NOVI

Sanitary Sewer Engineering, Stormwater Engineering, Water Engineering, Wastewater Engineering, Engineering Advisors

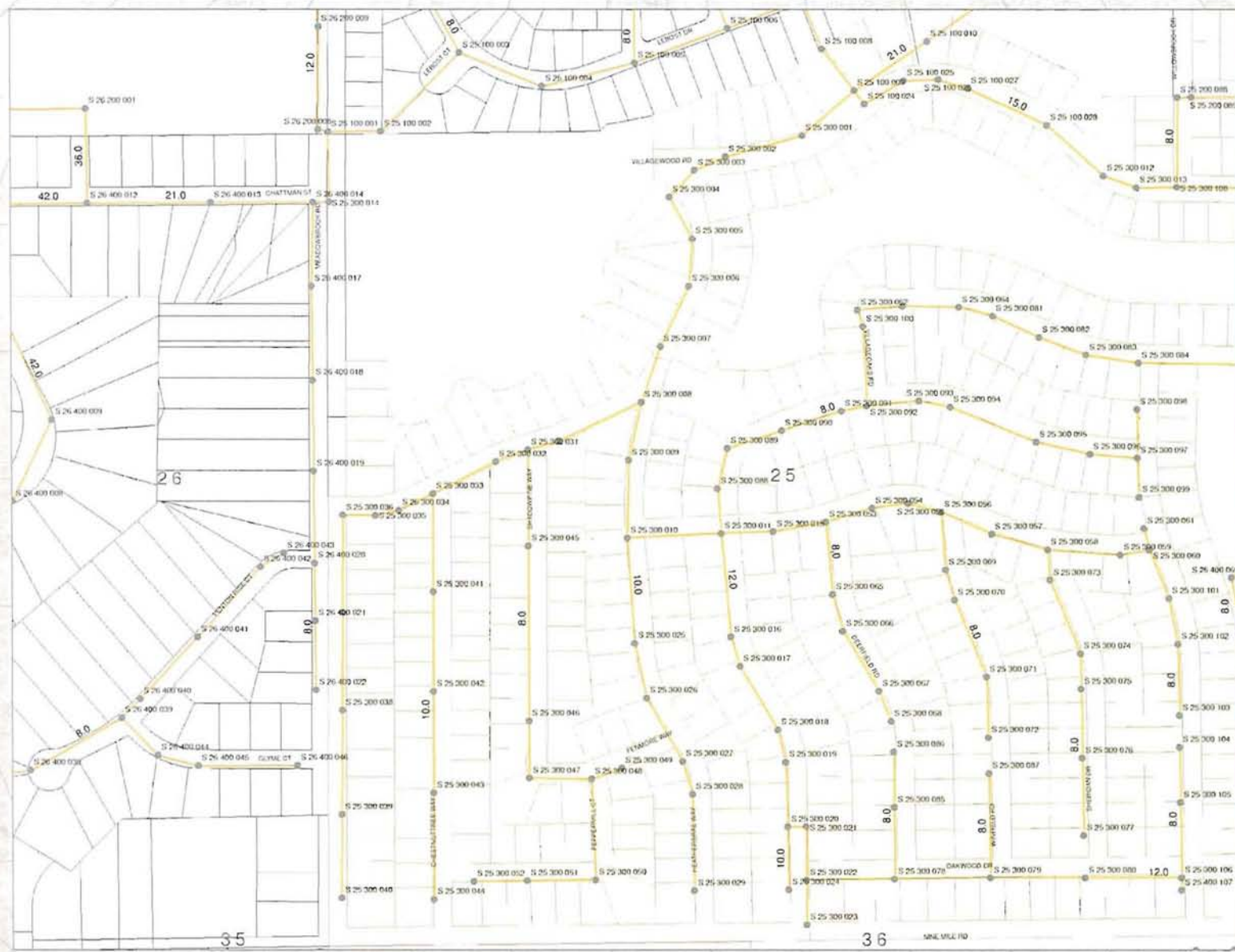


OHM

34800 PLYMOUTH ROAD
TROY, MI 48065
313.781.1111

- Sanitary Structure
- Sanitary Sewer
- Tier 1
- Tier 2
- Road

**FIGURE 1:
SEWER TELEVISIONING
AREAS**



**FIGURE 2:
SEWER TELEVIEWING
AREA 1**



- Sanitary Structure
- Sanitary Sewer
- Tier 1
- Tier 2
- Road

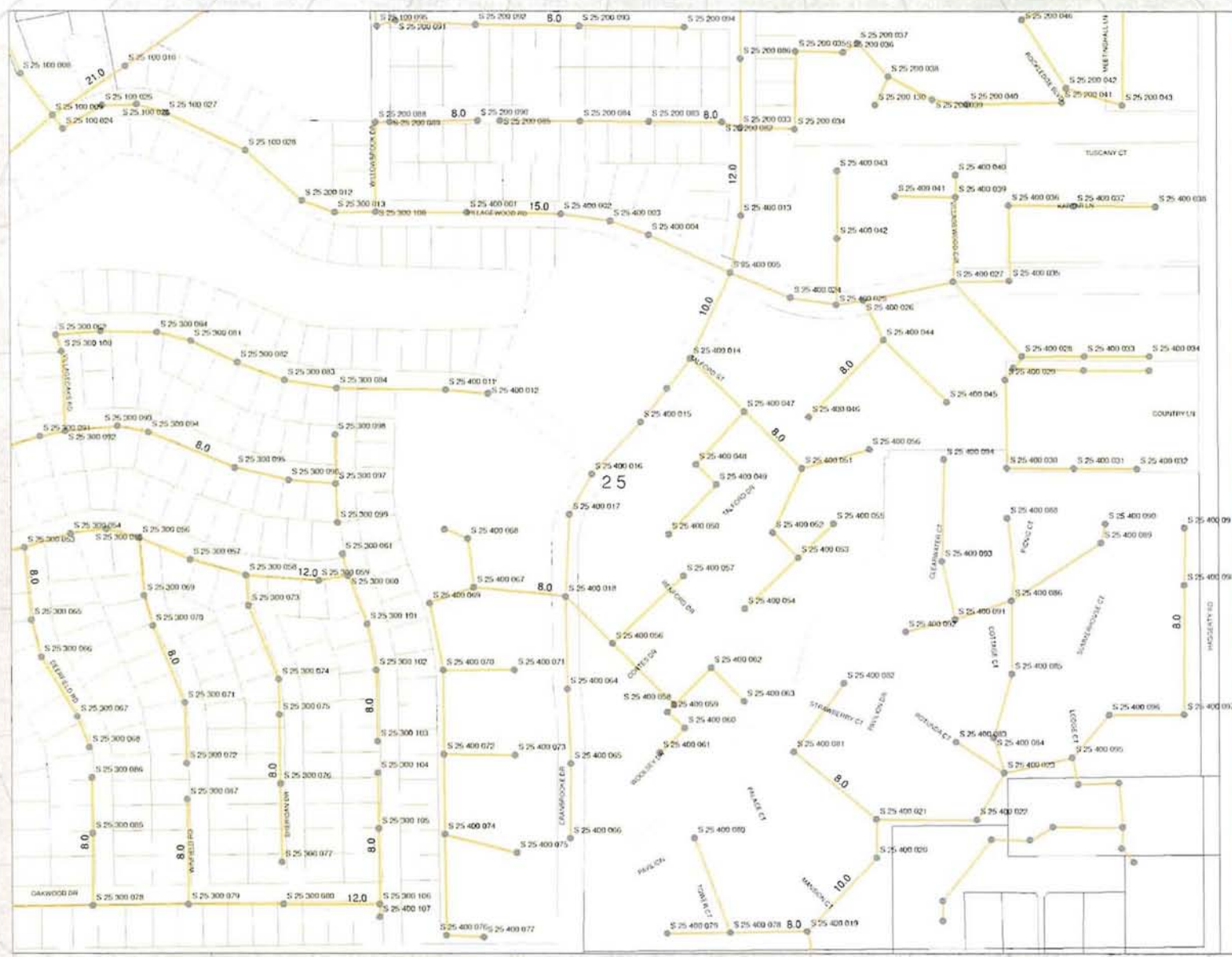


0 100 200 300 Feet



34988 PLYMOUTH ROAD
LIVONIA, MI 48150
248.522.8741
248.233.9437 FAX

Prepared by: [Name] / Date: [Date] / Scale: [Scale] / Project: [Project Name]



**FIGURE 3:
SEWER TELEVISION
AREA 2**



- Sanitary Structure
- Sanitary Sewer
- Tier 1
- Tier 2
- Road



0 130 260 390 Feet

OHM
Advanced Construction
 34600 PLYMOUTH ROAD
 CLEVELAND, OH 44132
 TEL: 216.835.6111
 FAX: 216.835.6111

As shown on this drawing, the City of Novi is not responsible for the accuracy of the information provided. The user of this information is advised to verify the accuracy of the information provided. The user of this information is advised to verify the accuracy of the information provided.



**FIGURE 4:
SEWER TELEVISION
AREA 3**



- Sanitary Structure
- Sanitary Sewer
- Tier 1
- Tier 2
- Road



OHM
OHM OHM CONSULTANTS
 34000 PLYMOUTH ROAD
 LYONIA, MI 48135
 734.522.8711
 734.522.8422 FAX



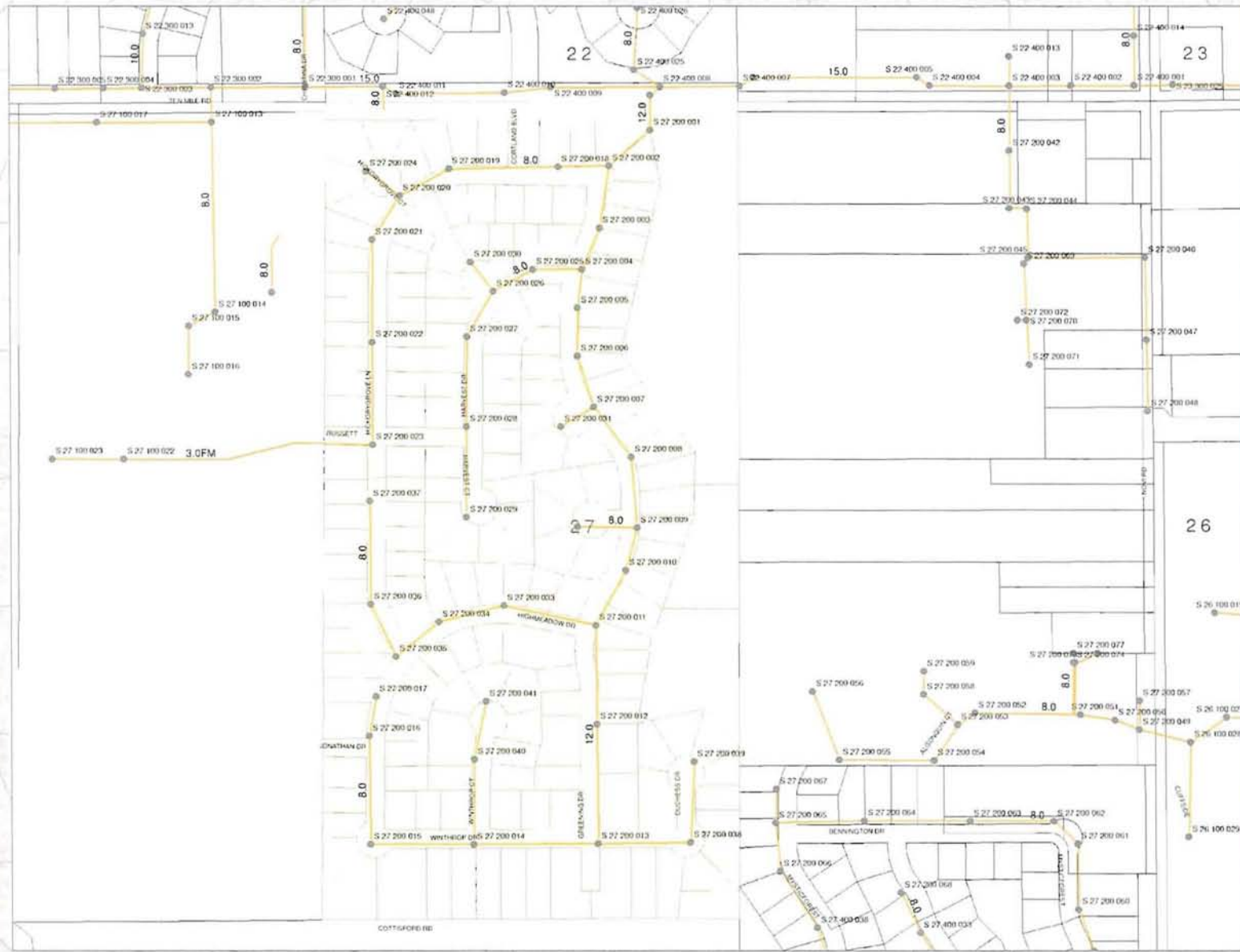
**FIGURE 6:
SEWER TELEVEISING
AREA 5**



- Sanitary Structure
- Sanitary Sewer
- Tier 1
- Tier 2
- Road



OHM
Advanced Construction
 34000 PLYMOUTH ROAD
 LIVONIA, MI 48150
 248.461.0700
 248.461.0701



**FIGURE 7:
SEWER TELEVIEWING
AREA 6**



- Sanitary Structure
- Sanitary Sewer
- Tier 1
- Tier 2
- Road



OHM
OHM **OHM**
 34400 PLYMOUTH ROAD
 LIVONIA, MI 48150
 734.424.2000
 104 200 EAST WALKER

NOVEMBER 2011
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