

CITY OF MINNETRISTA



CITY COUNCIL AGENDA ITEM

Subject: Accept and award quote for spray lining seven sanitary sewer manhole structures

Prepared By: Gary Peters, Public Works Director

Meeting Date: April 20, 2026

Issue:

Seven manholes on the city sanitary sewer system have a very high rate of infiltration and need interior spray lining. Please see attached map/photos.

Overview:

While this is a maintenance item and would not need City Council approval, staff is presenting to show how city CIP funds are being used.

Infiltration is one part of Inflow and Infiltration, more commonly referred to as I&I. Infiltration occurs when groundwater seeps into the sanitary sewer pipes through cracks, leaky joints or deteriorated manholes. Inflow, the other half of I&I, is by far the larger problem and is usually traced to sump pumps, roof downspouts and foundation drains that are connected to the City’s sanitary sewer system. Infiltration that enters the sanitary sewer system mixes with the raw sewage and is sent to the MET Council facility to be treated. So, the city is essentially paying to have “clean” water treated.

The chart below shows what the cost of this infiltration could be to the City.

Infiltration Rate into Manhole Structure					MET Council Treatment Cost per mg (2026)	Total Yearly Cost to Treat “Clean” Water
gal/min	gal/hr	gal/day	gal/yr	mg/yr		
1	60	1,440	525,600	0.5256	\$3,469.23	\$1,823.42
2	120	2,880	1,051,200	1.0512	\$3,469.23	\$3,646.85
3	180	4,320	1,576,800	1.5768	\$3,469.23	\$5,470.28
4	240	5,760	2,102,400	2.1024	\$3,469.23	\$7,293.71
5	300	7,200	2,628,000	2.6280	\$3,469.23	\$9,117.14
6	360	8,640	3,153,600	3.1536	\$3,469.23	\$10,940.56
7	420	10,080	3,679,200	3.6792	\$3,469.23	\$12,763.99

City Public Works staff was made aware of the Infiltration issues at seven manholes during routine 4-year sanitary sewer cleaning. These structures have water leaking through the barrel section joints and pipe insertions at the inverts. Not only does this “clean” water cost the city money, but it also forms encrustations on the interior structure walls and at the inverts. Encrustations on the inverts can cause system blockages if not removed and left to enlarge.

Mission Statement:

The City of Minnetrista will deliver quality services in a cost effective and innovative manner and provide opportunities for a high quality of life while protecting natural resources and maintaining a rural character.

Public Works Staff contacted two vendors (Hiperline High Performance Lining and Summit Infrastructure) to get quotes for the removal of built-up encrustation, interior cleaning, grouting of the leaks and installing a spray liner. This type of work has been done on several manholes and valve pits in the past and has proven to be 100% effective in eliminating I&I. Cost comparison for the manhole lining is as follows:

Contractor	Manhole Lining Cost	Mobilization	Total Cost
Hiperline High Performance Lining	\$59,944.00	\$2,170.00	\$62,114.00
Summit Infrastructure	\$42,215.02	\$1,730.54	\$43,945.56

Both contractors have done this work for the city before, and their past performance has surpassed our expectations. Their lining products are performing great. Wisconsin based Summit Infrastructure is expanding into Minnesota and their OBIC Lining product specifications are comparable to that of SpectraShield offered by Hiperline Performance Lining. Both products have a ten-year warranty on both the material and the labor. Knowing this information and looking at the submitted total costs and warranties associated with these products; Public Works staff is recommending contracting with Summit Infrastructure to complete the linings of the seven manhole structures.

Fiscal Impact:

The cost of lining these two sanitary sewer manholes will be covered under the 602 Sewer Operating Fund CIP. This fund has a line item titled “I&I Repair” with an assigned dollar amount of \$60,000.00 of 2026. The submitted quote of \$43,945.56 is well within this budgeted amount.

Recommended City Council Action:

Motion to approve Resolution No. 46-26 to accept and award the quote from Summit Infrastructure for the installation of OBIC Lining in seven sanitary sewer manhole structures at a total price of \$43,945.56.

Mission Statement:

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ESTIMATE

Summit Infrastructure LLC
555 Wick Ct Ste 102
Neenah, WI 54956-1273

creynolds@summitinfrastruct.com
+1 (920) 809-3737
www.SummitInfrastruct.com



Bill to

Gary Peters
City of Minnetrista
7701 County Road 110W
Minnetrista, MN 55364

Estimate details

Project Name: MH Rehab 2026

Estimate no.: 200143

Estimate date: 02/26/2026

#	Product or service	Description	Amount
1.	Manhole Rehab (Tri-layer)	MH# 67 (950 Evans Way)	\$4,960.00
2.	Manhole Rehab (Tri-layer)	MH# 57 (Alexandra Dr & Kramer Rd)	\$6,200.00
3.	Manhole Rehab (Tri-layer)	MH# 559 (5651 Sunnybrook Cir)	\$9,300.00
4.	Manhole Rehab (Tri-layer)	MH# 1204 (4830 Red Oak Ln)	\$6,460.00
5.	Manhole Rehab (Tri-layer)	MH# 1199 (4952 Grandview Ave)	\$4,860.00
6.	Manhole Rehab (Tri-layer)	MH# 84 (1130 Cove Cir)	\$4,210.00
7.	Stormwater Catch Basin	6635 Walnut Dr. (Storm CB #2309)	\$1,250.00
8.	Manhole Rehab (Tri-layer)	MH #725 (1100 Crest Ridge Ct)	\$6,225.00
9.	Stormwater Catch Basin	6645 Walnut Dr. (Storm CB #2310)	\$1,250.00
10.	Mobilization		\$2,225.00

Total

\$46,940.00

Note to customer

Includes:

- Clean and prep of manholes
- Injection grouting of manholes if needed
- Application of polyurea based three-layer system
- All materials and labor to complete project
- 10-year warranty on labor and materials

Water supply to be provided by town

\$2,994.44 to Surface Water
Improvement CIP Fund - Projects

\$43,945.56 to Sanitary Sewer
CIP Operating Fund

Excludes:

-Sales and use tax

-Vac truck or bypass pumping services

Accepted date

Accepted by



HIPERLINE
HIGH PERFORMANCE LINING

Manhole Quote

Customer Gary Peters
Minnetrista, Minnesota
garypeters@ci.minnetrista.mn.us
[612.799.8107](tel:612.799.8107)

Date 3/6/2026

PO No.

Mobilization: \$2,790.00

Manhole	Location	Depth (ft)	Description of Repair	Cost
1	6645 Walnut Drive Storm CB #2310	2.90	SpectraShield, Storm Structure, Grout Low leaks	1,858.90
2	6635 Walnut Drive Storm CB #2309	3.00	SpectraShield, Storm Structure, Grout Low leaks	1,923.00
3	MH#559 at 5651 Sunnybrook Circle	29.10	SpectraShield, Old Precast, Grout Low leaks	16,848.90
4	MH#57 at Alexandra Dr & Kramer Rd	11.20	SpectraShield, New Precast, None leaks	4,961.60
5	MH#67 at 950 Evans way	15.40	SpectraShield, Old Precast, Grout High leaks	10,287.20
6	MH#84 at 1130 Cove Circle	12.70	SpectraShield, New Precast, Grout Low leaks	6,210.30
7	MH#1204 at 4830 Red Oak Lane	19.60	SpectraShield, New Precast, Grout Low leaks	9,584.40
8	MH#1199 at 4952 Grandview Ave	14.40	SpectraShield, New Precast, Grout Low leaks	7,041.60
9	MH#725 at 1100 Crest Ridge Ct	7.50	SpectraShield, Old Precast, Grout High leaks	5,010.00

Total **\$66,515.90**

\$4,401.90 to Surface Water Improvement CIP Fund - Projects **\$62,114.00 to Sanitary Sewer CIP Operating Fund**

Notes:

- A site visit is agreed upon prior to mobilization if deemed necessary by HIPERLINE.
- If requested, the owner shall be responsible for providing a disposal site for all debris during the installation of the SpectraShield Liner System. This debris shall include, but not be limited to sand, chipped concrete, old linings, effluents, etc.
- Invoice(s) will be based upon field measurements and may increase or decrease the actual invoice/contract/purchase order amount accordingly.
- Our invoices are NET 30 DAYS, no retainage. A 1.5% interest charge per month for invoices over 30 days will apply.
- Sanitary sewer manholes include our industry leading 10 year warranty; storm sewer structures come with a standard 1 year warranty
- Removing manhole steps is part of the standard process unless noted otherwise
- If excessive grouting/leak-stopping is required (more than 5 gallons of grout or 20 tubes of grout), we will notify customer before proceeding. Additional grouting rates are \$395 per hour for the truck and crew, \$210 per gallon of grout, and \$38 per tube of grout

Customer Name & Date

Customer Signature

Send Invoice To

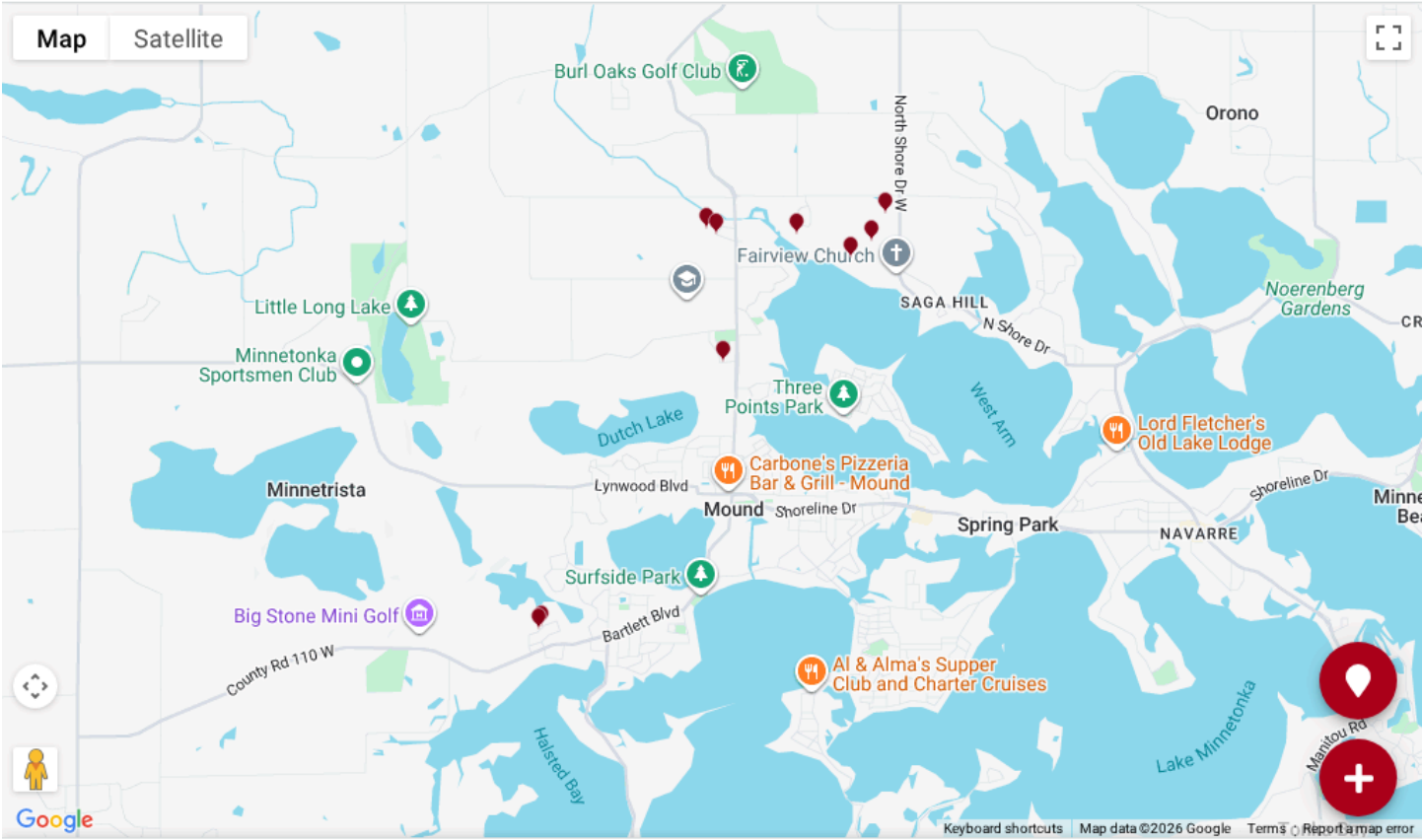
Thanks for the Opportunity to Serve You!

HIPERLINE 145 Field Crest Blvd NW Cokato, MN 55321 320.286.2471



Map

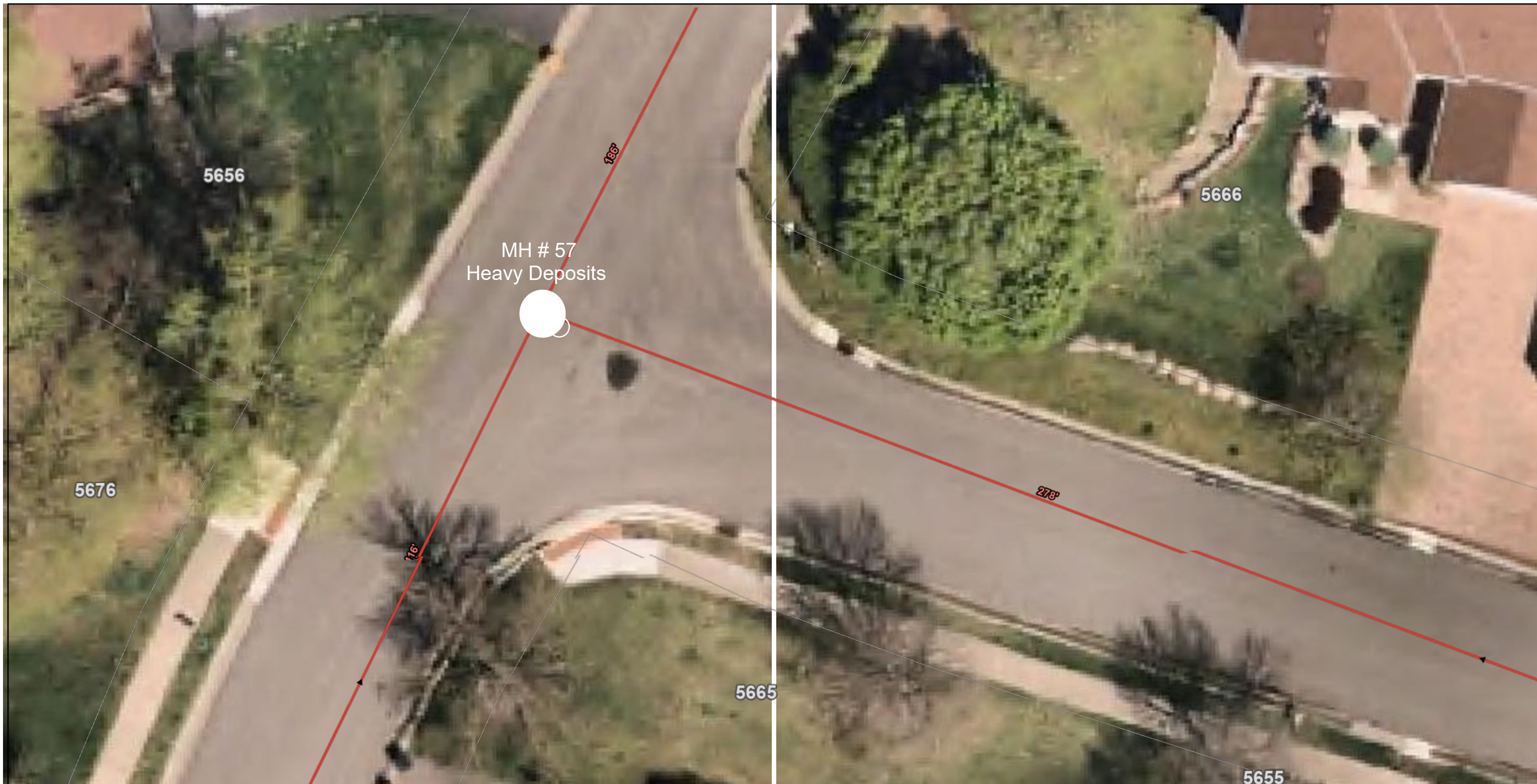
Satellite



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Menu

MH #57 - Heavy deposits (Alexandra & Kramer)



- City Boundary
- Sewer Manholes
- Sewer Gravity Mains
- Address Labels
- Parcels

Utility Staff reported:
I&I at inverts
Encrustation at inverts
Invert areas need to be chiseled

1 in = 19 Ft








September 16, 2024

Map Powered By Datafi



MH #67- Heavy deposits (930-950 Evans Way)



-  City Boundary
-  Sewer Manholes
-  Sewer Gravity Mains
-  Address Labels
-  Parcels

Utility Staff reported:
Bad I&I in several locations
Bad encrustation on walls
Walls will need to be chiseled

1 in = 21 Ft

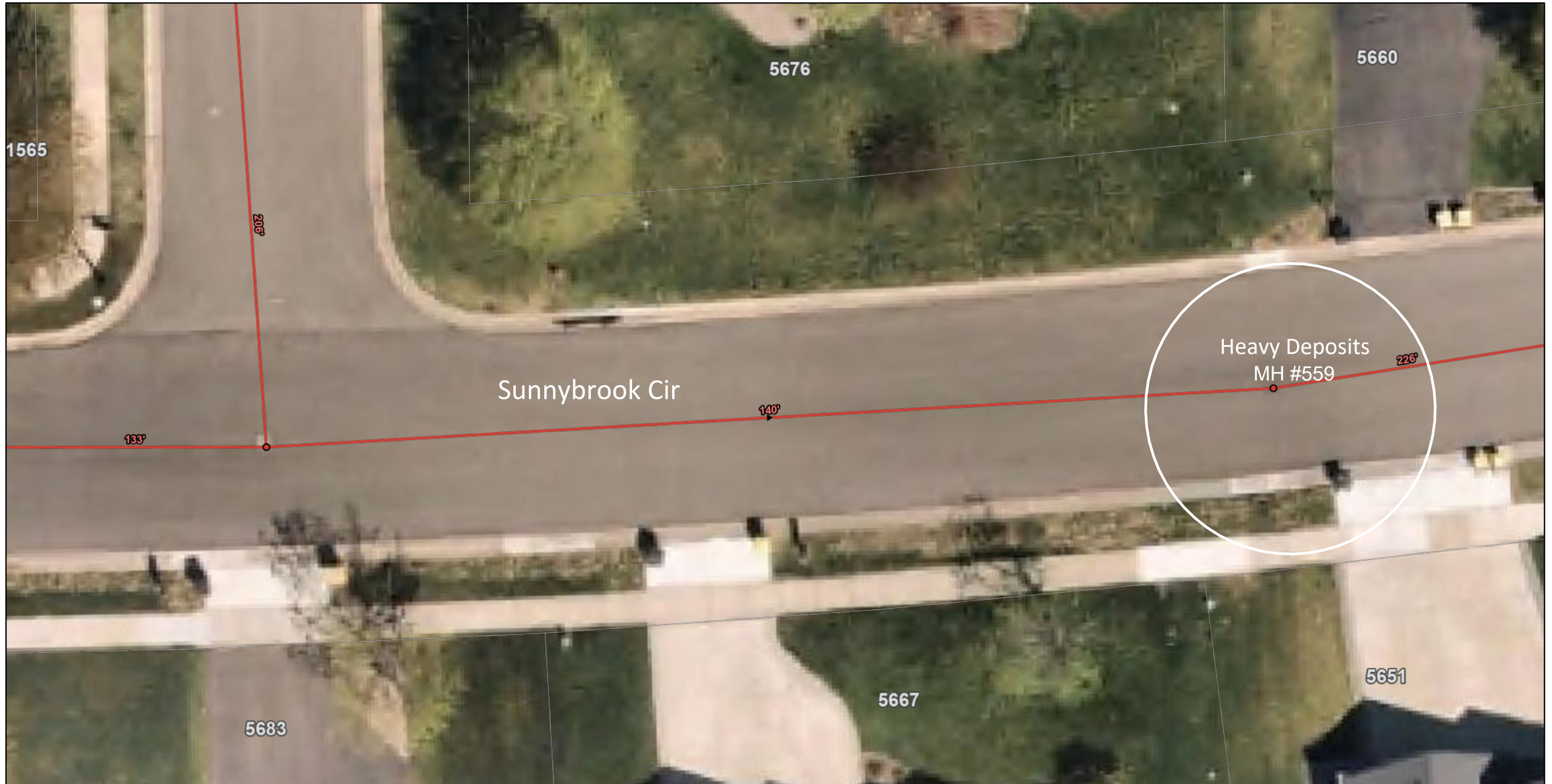


September 16, 2024

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MH #559 - Heavy deposits at base



- City Boundary
- Sewer Manholes
- Sewer Gravity Mains
- Address Labels
- Parcels

Utility Staff reported:
Bad I&I at barrel seams
Bad encrustation on walls - 2 areas
Walls will need to be chiseled

1 in = 19 Ft







September 16, 2024

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MH #725 - Heavy Deposits (Crest Ridge Ct)



-  City Boundary
-  Sewer Manholes
-  Sewer Gravity Mains
- Address Labels
-  Parcels

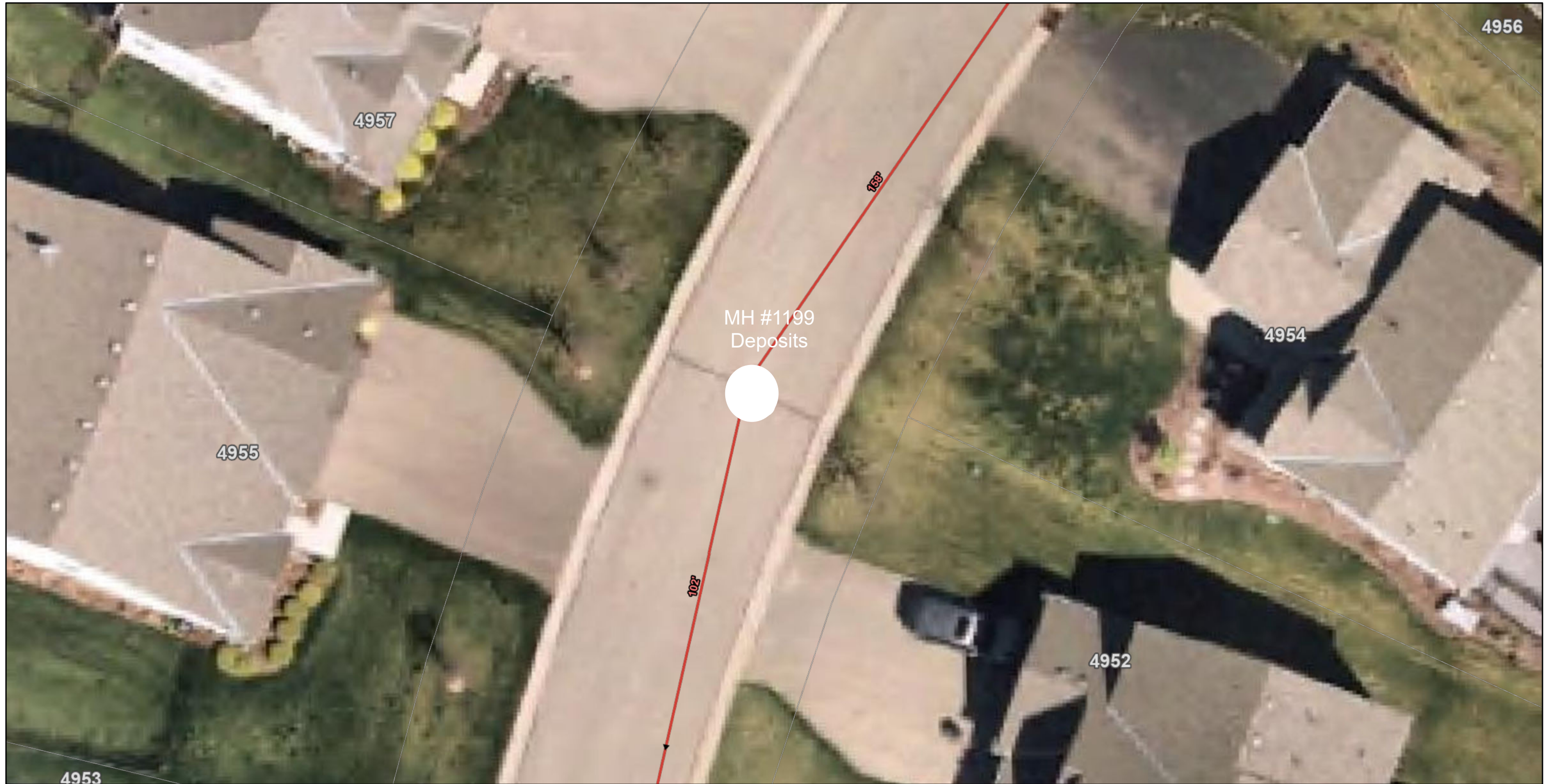
1 in = 18 Ft



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September 19, 2024
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MH #1199 Deposits (4952-4955 Grandview Ave)



- City Boundary
- Sewer Manholes
- Sewer Gravity Mains
- Address Labels
- Parcels

Utility Staff reported:
Large amount of I&I towards bottom
Encrustation on walls & invert
Walls & invert need to be chiseled

1 in = 19 Ft



September 19, 2024

Map Powered By Datafi



MH #1204 (end of Red Oak Ln)



- City Boundary
- Sewer Manholes
- Sewer Gravity Mains
- Address Labels
- Parcels

Utility Staff reported:
Fair amount of I&I
Some encrustation on walls
Walls will need to be chiseled

1 in = 15 Ft



September 19, 2024

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RESOLUTION NO. 46-26

**CITY OF MINNETRISTA
HENNEPIN COUNTY, MINNESOTA**

**RESOLUTION TO ACCEPT AND AWARD THE QUOTE FROM SUMMIT
INFRASTRUCTURE FOR THE INSTALLATION OF OBIC LINING IN SEVEN
SANITARY SEWER MANHOLE STRUCTURES**

WHEREAS, the City of Minnetrista has a need for the installation of a spray liner for seven sanitary sewer manhole structures;

WHEREAS, the City of Minnetrista received the lowest quotation from Summit Infrastructure in the amount of \$43,945.56 for the installation of OBIC Lining seven sanitary sewer manhole structures;

WHEREAS, the funding for the spray lining of the seven sanitary sewer manhole structures will be funded by the 2026 602 Sewer Operating Fund CIP, and the total price of \$43,945.56 is well within the budgeted amount of \$60,000.00;

NOW, THEREFORE, BE IT RESOLVED, BY THE CITY COUNCIL OF THE CITY OF MINNETRISTA, that they accept and award the quote from Summit Infrastructure for the installation of OBIC Lining in the seven sanitary sewer manhole structures at a total price of \$43,945.56.

This resolution was adopted by the City Council of the City of Minnetrista on the 20th day of April 2026 by a vote of _____ Ayes and _____ Nays.

Mayor Lisa Whalen

ATTEST:

Ann Meyerhoff
City Clerk