

***Public Works Committee  
Meeting Agenda  
November 14, 2022 5:30 p.m.  
Fillmore Conference Room – Thurber  
Building***

1. November 14, 2022 / 5:30 p.m. Fillmore Conference Room -  
Thurber Community Building
2. Noise Issue near Enterprise Drive
3. City Engineer Report:
  - A. Infrastructure Expansion Areas – Strategic Initiative Update
  - B. City Development Standards Review – Strategic Initiative Update
  - C. 2023 Street Project Feasibility Report Update
  - D. TH 30 Water Main Realignment Update
  - E. Bench Street Drainage Improvements Update
  - F. Osseo Construction Pay Application #3

**Members Present:** Councilor Paul Novotny and Mike Urban.

**Members Absent:** None.

**Others Present:** Joel Young, Shane Fox.

**City Engineer Report:**

- Pay application #2 was described to the Committee, pertaining to work on the south tank. The coatings have been applied and need to cure for about a week or two. October 28<sup>th</sup> is the anticipated completion date. There were no lingering questions from the committee.

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**INTEROFFICE MEMORANDUM**

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**TO:** Public Works Committee  
**FROM:** Brian Burkholder, SCS  
**SUBJECT:** Noise nuisance/Enterprise Dr lots  
**DATE:** 11/9/2022

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**Action Requested:** To discuss a noise complaint at Touhy's Plant 3 location and a noise barrier at Enterprise Dr lots.

**Background:** Chris Giesen brought this to my attention, and I thought it would be a good idea to bring forward to the committee for further discussion.

What I can remember is that a tree curtain barrier was discussed to be planted on the back property lines of the city lots separating the residential lots from the commercial lots. We talked about species of trees to be planted and Paul mentioned tree planted up at Samples property on Hwy 30/74. The name was Austree Hybrids. I do not believe this species would be a sound barring tree but a divided curtain so to speak. This did not go any further as the Enterprise Dr. Street project took place shortly after.

Since it was brought to my attention, I did look up noise barrier tree species and they were mostly species of Arborvitae Trees, Thuja trees and Cypress Trees which are faster growing, and some are resistant to deer.

Thank you for your time,  
Brian Burkholder



# City of Chatfield

Thurber Community Center • Chatfield Municipal Building  
21 Second Street Southeast • Chatfield, Minnesota 55923 • 507-867-3810  
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## MEMORANDUM

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**TO:** PUBLIC WORKS COMMITTEE  
**FROM:** LOGAN TJOSSEM, PRINCIPAL PLANNER  
**SUBJECT:** REVIEW OF CITY DEVELOPMENT STANDARDS AND FEES  
**DATE:** 11/10/2022  
**CC:** CITY CLERK, JOEL YOUNG AND SUPERINTENDENT OF CITY SERVICES, BRIAN BURKHOLDER

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**Action Requested:** Provide input on how to approach reviewing current City development standards and fees.

**Background:** City staff and the Council have requested input from the Public Works Committee on how to approach reviewing the current City development standards and fees in an attempt to stay current with existing and anticipated growth and development trends. Review and recommendations of development standards that were requested were street widths, sidewalk locations and widths, bike lanes and other pedestrian facilities, lot widths, impervious coverage, density, parking requirements. Further analysis of the standards needs to be done.

Additionally, City fees include sanitary and water area charges, parkland dedication fees, and the potential of stormwater related fees. We have compiled recent Development Agreements with projects in the City for comparisons to the current fees but also to compare to similar sized Cities. Further analysis of the standards needs to be done.

**Update:** Compilation of information has begun in a chart format. Once the data has been compiled analysis can begin, and recommendations can be made.

Sincerely,

Widseth Smith Nolting & Associates, Inc.

Logan Tjossem, AICP

Principal Planner





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## MEMORANDUM

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**TO:** PUBLIC WORKS COMMITTEE  
**FROM:** CRAIG BRITTON  
**SUBJECT:** DIVISION STREET AND BURR OAK AVENUE INFRASTRUCTURE EXPANSION AREAS  
**DATE:** NOVEMBER 9, 2022  
**CC:** CITY CLERK, JOEL YOUNG  
SUPERINTENDENT OF CITY SERVICES, BRIAN BURKHOLDER

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**Action Requested:** Provide input on some of the initial infrastructure expansion concepts in the Division Street and Burr Oak Avenue areas. Widseth will prepare a report with our findings and approximate cost for the infrastructure expansions.

**Background:** The above areas were identified as potential City expansion areas. Below are some of our initial findings and expansion concepts.

1. Division Street NW

- a. Sanitary sewer – The sanitary sewer to serve the area west of Mill Creek Road NW, bordered by Division Street NW on the south and Highway 30 East on the north, would be extended west from the existing 8” sanitary sewer at the intersection of Division Street NW and Mill Creek Road NW. The sanitary sewer could be extended approximately 1,800 ft to the west to serve the south half of the current Sogla and Schild properties north of Division Street. The area north of the high point of those properties could be served by extending the sanitary sewer west on Highway 30. The two areas are shown on the exhibit map. The area farther west on Division Street NW (west of the Schild property) along with the property south of Division Street (Vandewalker property) could be served by a future lift station and sanitary force main.
- b. Watermain – The watermain to serve the area would be extended west from the existing 8” watermain at the intersection of Division Street NW and Mill Creek Road NW. The area that can be served is approximately 31 acres and is shown on the exhibit map. This area is higher than the current service area and will need booster pumps (likely 3 pumps in total – a duplex pump for redundancy along with a separate pump for fire flows). The estimated cost for the booster pumps and

controls (including VFD's) is estimated to be between \$150,000 and \$200,000. The booster pump station would require a backup generator at a cost of approximately \$120,000. Another option is to construct an elevated tank with a booster pump to fill the tank. Although this would provide some redundancy into the system, with the limited service area it may not be feasible to construct a water storage tank along with installing a booster station.

2. Burr Oak Avenue NE

- a. Alignment of Burr Oak Avenue NE – The Burr Oak Avenue NE right-of-way, at the north side of the intersection with Margaret Street NE, should be aligned so the east property line is the east right-of-way line for the extension of Burr Oak Avenue NE to the north. This would move the right-of-way away from the steep slope on the east and would provide room for the Isensee driveway connection.
- b. There are a couple different alignments that Burr Oak Avenue could take through the Chatfield Mobile Village property. It'd be best to keep Burr Oak as far west as possible in order to limit the amount of retaining walls, however, that would require the removal one or two of the existing homes.

3. County Road 10 property

- a. The property may be able to be served with watermain to the site from the water tower by the Chatfield elementary school. The high-water level is at elevation 1366 feet with the low-water of 1335, and the southeast corner of the property on County Road 10 is at elevation 1262. This would provide approximately 35 psi at the low-water level. The estimated length of pipe that would need to be installed is 5,800 linear feet at an estimated \$175/ linear foot (approximately \$1M). This may be a good option to open up some area for development north of the elementary school if the property owners were interested. However, there are some challenges with extending watermain that far. One is having a long dead end line if it's not connected to the watermain at Whalen Valley Road. And if a connection is made to the existing watermain in that location pressure reducing valves would need to be installed to reduce the pressure in that area. A benefit would be being able to provide reliable water service to the City owned property along County Road 10 while increasing the water pressure for the folks in the Whalen Valley Road area if the connection is made.

Attached to the report are some exhibits that we'll run through at the meeting. If you have any questions prior to the city council meeting, please let me know.

Sincerely,



Craig Britton



# SANITARY SEWER SERVICE AREA

## DIVISION STREET

### DIVISION STREET EXPANSION SANITARY

Chatfield, MN



0 350 700

Feet

1 inch = 350 feet

- Storm Lines
- Watermain
- Sanitary Lines
- Floodway
- Zone A/AE

2022-11836

11/9/2022

MNTH 30

117th St SE

Orchard Ridge Rd SW

Mill Creek Rd

Ripley Rd

Area To Be Served  
By TH 30 Sanitary

Area To Be Served By  
Division Street Sanitary

OLMSTED  
FILLMORE

8" SAN  
8" WM

8" SAN Division St  
8" WM

WIDSETH  
ARCHITECTS • ENGINEERS • SCIENTISTS • SURVEYORS



# WATERMAIN SERVICE AREA

## DIVISION STREET

### DIVISION STREET EXPANSION WATERMAIN

Chatfield, MN



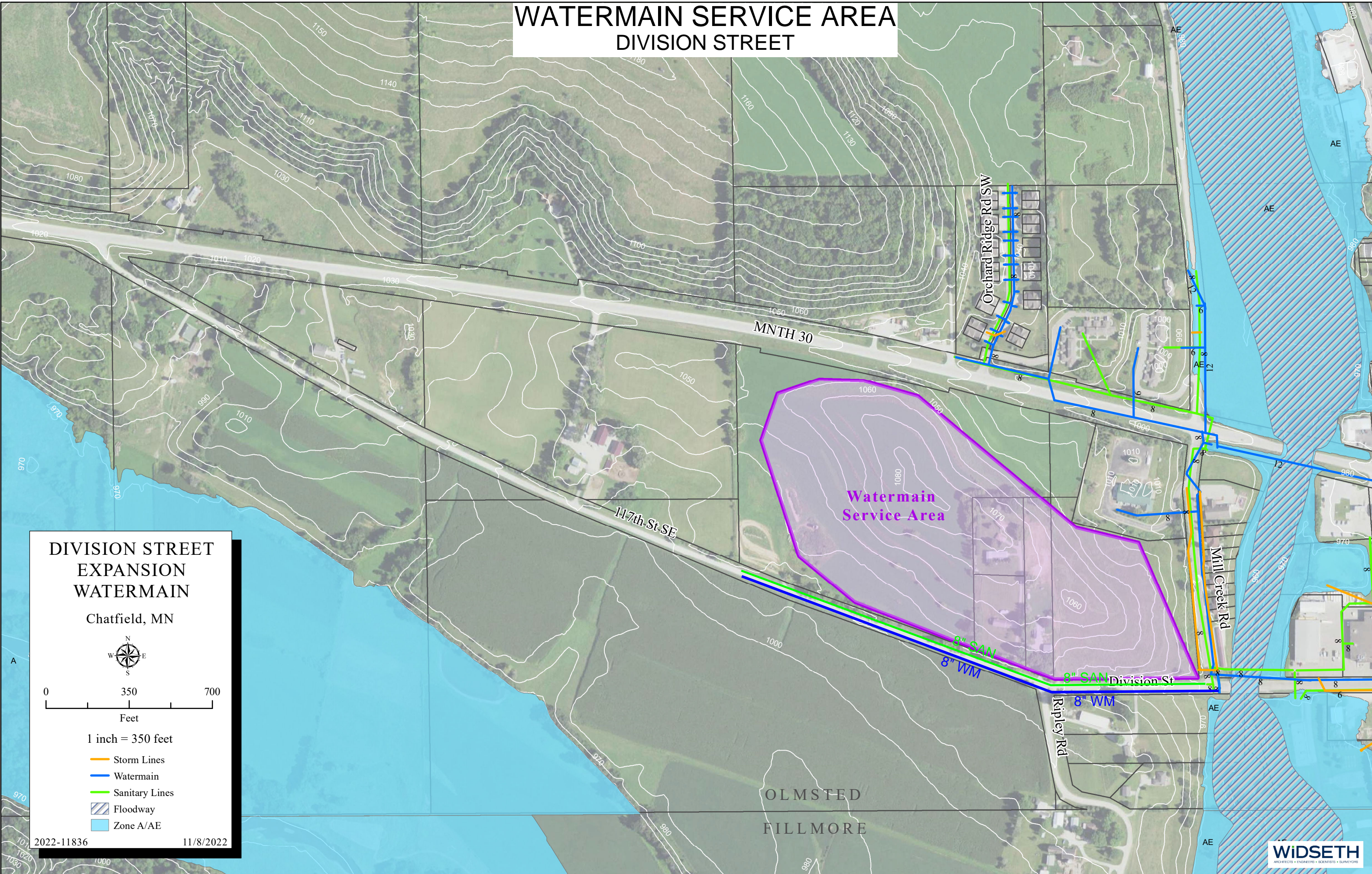
0 350 700

Feet

1 inch = 350 feet

- Storm Lines
- Watermain
- Sanitary Lines
- Floodway
- Zone A/AE

2022-11836 11/8/2022





OPTION 1  
BURR OAK AVENUE

BURR OAK AVENUE  
EXPANSION

Chatfield, MN



0 150 300

Feet

1 inch = 150 feet

- Sanitary Manhole
- Hydrants
- Water Valves
- Curb Stops
- Catch Basin
- Storm Lines
- Watermain
- Sanitary Lines

2022-11836

11/9/2022

County Rd 136 SE

USH 52

BURR OAK AVENUE EXTENSION

66'

66'-0"

66'-0"

Margaret St

James St



# OPTION 1 BURR OAK AVENUE (Zoomed In)

## BURR OAK AVENUE EXPANSION

Chatfield, MN



0 80 160  
Feet

1 inch = 80 feet

- Sanitary Manhole
- Hydrants
- Water Valves
- Curb Stops
- Catch Basin
- Storm Lines
- Watermain
- Sanitary Lines

2022-11836


11/9/2022



# OPTION 2 BURR OAK AVENUE

## BURR OAK AVENUE EXPANSION

Chatfield, MN

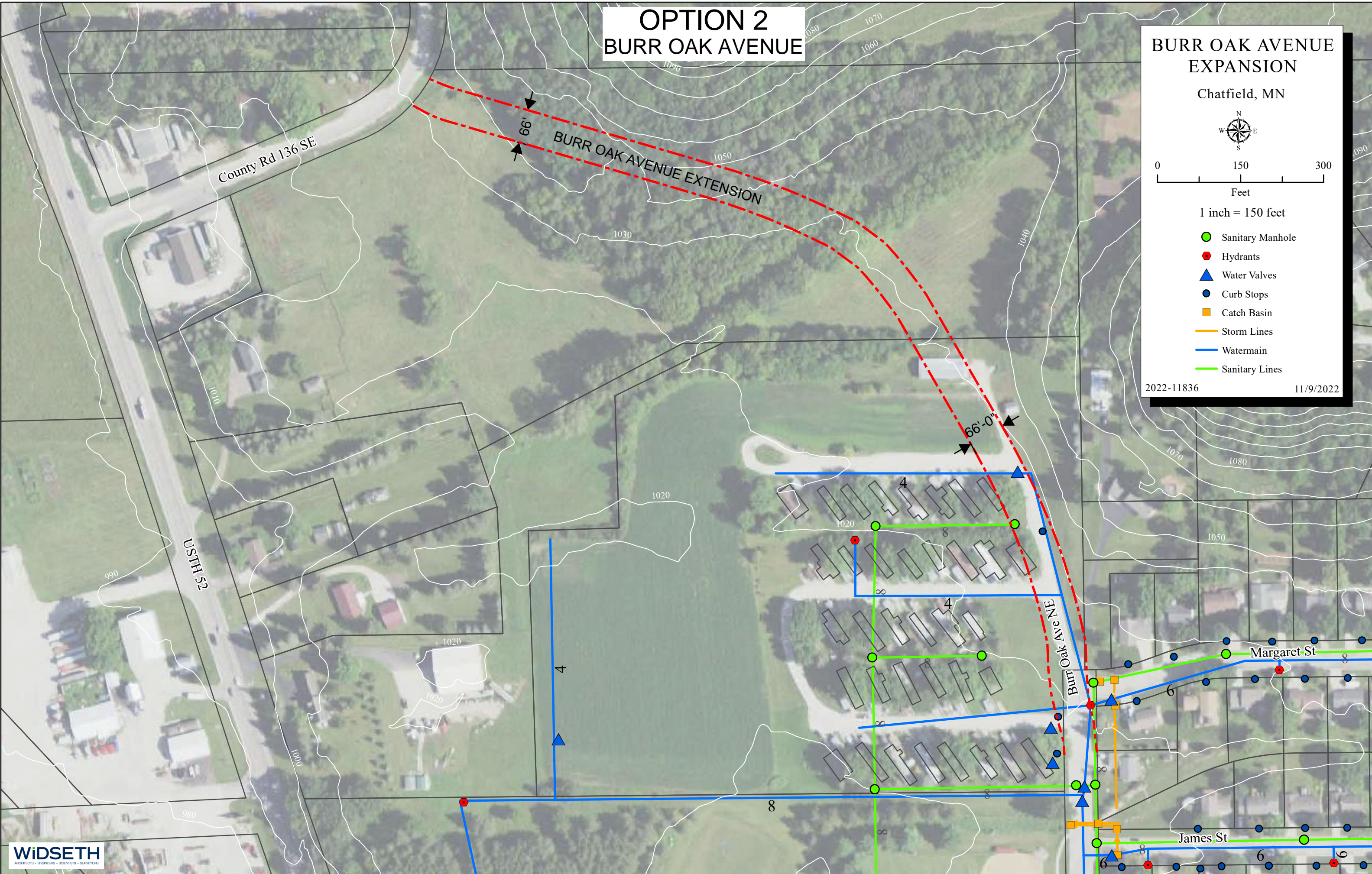


0 150 300  
Feet

1 inch = 150 feet

- Sanitary Manhole
- Hydrants
- Water Valves
- Curb Stops
- Catch Basin
- Storm Lines
- Watermain
- Sanitary Lines

2022-11836 11/9/2022







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## MEMORANDUM

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**TO:** PUBLIC WORKS COMMITTEE  
**FROM:** CRAIG BRITTON  
**SUBJECT:** GRAND STREET SE, HAWLEY STREET SE AND PROSPECT STREET SE IMPROVEMENTS  
**DATE:** NOVEMBER 8, 2022  
**CC:** CITY CLERK, JOEL YOUNG  
SUPERINTENDENT OF CITY SERVICES, BRIAN BURKHOLDER

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**Action Requested:** Provide input on design related items for the preparation of the feasibility report. With your direction the plan would be to bring the final feasibility report to the Council for approval on November 28. A resolution authorizing plans and specifications will be presented to the Council for consideration at that meeting and the plan is to bid the project in February.

**Background:** The feasibility report includes estimated construction costs for reconstructing and resurfacing the Streets as noted below.

1. Full Reconstruction – Surfacing and Utilities
  - a. Grand Street SE from 7<sup>th</sup> Street to Prospect Street SE (2 Blocks)
  - b. Hawley Street SE from Grand Street SE to End of Cul De Sac (1 Block)
  - c. Prospect Street SE from Winona Street to End of Street (2 Blocks)
2. Reclaim & Pave and Storm Sewer Installation
  - a. Grand Street SE from Prospect Street SE to Valley Street SE (1 Block - 490 ft)

The following questions were raised at a previous Public Works committee meeting and we'd like to run through them again quickly to make sure we have them addressed.

1. Should Shady Oak Park remain as is? Should the campsites remain? If so, should the sites be regraded to provide for level campsites? Should sites be added / removed?
2. Is there interest in platting residential lots in park? Should services be extended into the park to accommodate future residential lots? **We included the cost of services in the feasibility (3 on Hawley and 2 on Prospect).**
3. Prospect Street is 37 ft wide north of Grand St and 32 ft wide south of Grand St. It'd be best to maintain a constant street width if possible. **The feasibility report includes a 37 ft wide street.**



4. Currently there is no cul de sac on the east end of Prospect Street. An offset cul de sac could be designed to provide a turnaround if desired. **The cost of a small, offset cul de sac is included in the cost estimate.**
5. Some of the curb within the project area may be able to be saved. However, much of it would need to be replaced due to the replacement of the storm sewer and installation of services. Would it be best to replace all the curb with the exception of Grand Street east of Prospect? **The current plan includes replacing all the curb with the exception of Grand Street east of Prospect.**
6. Does the committee want to see sidewalk within the project area? **Two blocks of sidewalk is included in the feasibility report (along Prospect street from Winona St to Park).**
7. Any additional items to consider?



Picture relating to Question 1

The overall project cost is estimated to be \$1,991,963.03. The CIP has a number of \$1,732,500 plugged in (net financed less cash) for the 2023 Street Project along with \$393,750 for mill and overlay projects in 2023. These are difficult times to predict what the bidding environment will be like in the next 6 months. It appears that there will be more interest by contractors to bid on projects over the winter which should lower costs, but material prices are still volatile (for example concrete prices recently jumped another 15%). However, it feels like our estimate is conservative and we're including a 30% Engineering, Administration and Contingency factor.

If you have any questions prior to the public works committee meeting please let me know.

Sincerely,

Craig Britton



**WIDSETH**

**Rochester**

3777 40th Avenue NW  
Suite 200  
Rochester MN 55901

507.292.8743  
Rochester@Widseth.com  
Widseth.com

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## **FEASIBILITY REPORT 2023 SW STREET IMPROVEMENT PROJECT**

Grand Street SE from 7<sup>th</sup> Street SE to Prospect Street SE  
Hawley Street SE from Grand Street SE to the Cul-De-Sac  
Prospect Street SE from Winona Street SE to End of Pavement

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CHATFIELD, MN  
WIDSETH PROJECT NO. 2022-11251

Mayor

Russ Smith

City Council

Pam Bluhm  
Josh Broadwater  
Dave Frank  
Paul Novotny  
Mike Urban

City Clerk

Joel Young

Superintendent of City Services

Brian Burkholder

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## **INTRODUCTION**

The City Council of the City of Chatfield authorized the preparation of a feasibility report of the following streets.

Areas of complete reconstruction;

**GRAND STREET SE** From 7<sup>th</sup> Street SE to Prospect Street SE (2 Blocks)  
**HAWLEY STREET SE** From Grand Street SE to the cul-de-sac (1 Block)  
**PROSPECT STREET SE** From Winona Street SE to End of Street (2 Blocks)

Areas of rehabilitation (reclaim & pave and storm sewer installation);

**GRAND STREET SE** From Prospect Street SE to Valley Street SE (1 Block – 490 ft)

Appendix A contains a map showing the proposed improvement areas.

## **INTENT**

The intent of this feasibility report is to give the City of Chatfield an opportunity to look at the estimated cost of construction of the planned street improvement project.

## **PROJECT DESCRIPTION AND SUMMARY OF PAY ITEMS**

### **Reconstruction Areas:**

*GRAND STREET SE – From 7<sup>th</sup> Street SE to Prospect Street SE*  
*HAWLEY STREET – From Grand Street SE to the Cul-De-Sac*  
*PROSPECT STREET SE – From Winona Street SE to End of Street*

The following items of work would be completed to reconstruct water main, sanitary sewer, storm sewer, street base and surfacing, curb and gutter and sidewalk:

#### **1. Mobilization**

This will be compensation in full for all costs of moving equipment, supplies, personnel, and other items necessary to accomplish the work.

#### **2. Clearing and Grubbing**

This work shall include furnishing the necessary labor, materials and equipment required to clear and to grub trees required to be removed. The number of trees to be removed will depend on a variety of factors including water and sewer main and service line locations, condition of the trees, grading limits, etc.

#### **3. Removals**

This work shall include the cost of removing all existing structures and piping from the existing water, sanitary and storm sewer systems.

4. Remove Bituminous Pavement  
This work shall include the costs of milling and disposing of in place bituminous pavement.
5. Remove Driveway Pavement  
This work shall include the costs of removing and disposing of in place concrete and bituminous driveway pavement.
6. Common Excavation  
This work shall consist of road excavation and embankment within the right-of-way.
7. Topsoil Borrow  
This work shall include the cost of furnishing and placing topsoil borrow prior to sod placement.
8. Geotextile Fabric  
This work shall consist of supplying and placing geotextile fabric on the subgrade prior to aggregate base placement.
9. Aggregate Base  
This work shall include all labor and equipment needed to furnish, deliver and place Class 5 aggregate base (12" planned on all streets).
10. Bituminous Pavement  
This work shall include the placing of Bituminous Wearing and Non-Wearing Pavement (4" planned on all streets).
11. Storm Sewer  
This work shall include the installation of reinforced concrete storm sewer, connecting to the existing storm sewer and constructing storm structures.
12. Sanitary Sewer  
This work shall include the installation and televising of PVC gravity sanitary sewer, sanitary manholes and connections to the existing sanitary sewer.
13. Water Main  
This work shall include the installation of PVC water main, gate valves, hydrants, fittings and connections to the existing piping.
14. Water Services and Sanitary Services and Wyes  
This work shall include furnishing the necessary labor, materials and equipment required for the installation of sewer and water services.
15. 4" Concrete Sidewalk  
This work shall include the installation of 4" concrete sidewalk and pedestrian ramps with truncated domes.
16. Curb and Gutter  
This work shall include the placement of B624 concrete curb and gutter.

17. Concrete Driveway Pavement

This work shall include the placement of the concrete, subgrade preparation, fine grading, form setting and any other costs incidental to placing 6" (residential) and 8" (commercial) concrete driveway pavement.

18. Turf Establishment

This work shall include the cost of sodding and fertilizing all areas disturbed by construction.

19. Retaining Wall

This work shall include the installation of a modular block retaining wall.

Rehabilitation Areas:

*GRAND STREET SE* – From Prospect Street SE to Valley Street SE (1 Block – 490 ft)

1. Reclaim Bituminous Pavement

This work shall include the costs of reclaiming the in place bituminous pavement.

2. Storm Sewer

This work shall include the installation of reinforced concrete storm sewer, connecting to the existing storm sewer and constructing storm structures.

3. Bituminous Pavement

This work shall include the placing of Bituminous Wearing and Non-Wearing Pavement (4" planned on all streets).

**ESTIMATED QUANTITIES AND COST SUMMARY**

The quantities used in this report are estimated based on preliminary design. Final design and construction activities will determine the actual quantities.

The street dimensions used in calculating project costs are as follows;

Areas of Reconstruction

Grand Street SE – 660'x 37.34' (back of curb to back of curb - 12" Agg, 4.0" Bit)

Hawley Street SE – 525' x 37.34' (back of curb to back of curb - 12" Agg, 4.0" Bit)

Prospect Street SE – 728' x 37.34' (back of curb to back of curb - 12" Agg, 4.0" Bit)

Areas of Rehabilitation

Grand Street SE – 490'x 37.34' (back of curb to back of curb – Shape Reclaim, 4.0" Bit)

The estimated costs are based on actual project costs from similar construction projects performed recently in this geographical area. Actual bid costs will determine the final per unit costs.

The overall project cost is estimated to be **\$1,991,963.03**. The City's current Capital Improvement Plan has an estimated cost of \$1,732,500 (net financed less cash) identified for the 2023 Street Project along with \$393,750 for mill and overlay projects in 2023. These are difficult times to predict what the bidding environment will be like in the next 6 months. It appears that there will be more interest by contractors to bid on projects over the winter which should lower costs, but material prices are still volatile (for example concrete prices recently jumped another 15%). However, with the 30% Engineering, Administration and Contingency factor included in the overall estimated cost, the \$1,991,963.03 projected cost appears to be conservative.

The estimated cost of construction is detailed in Appendix B.

### **RECOMMENDATIONS**

With the above-estimated construction costs, it would appear the cost of the planned street improvement project is acceptable in today's market.

### **LEVEL OF CARE**

The quantities and costs summarized in this report have been generated in accordance with Widseth policies for level of care and meet or exceed the level of care provided by others performing these professional services in this area. No other warranty is made.

### **CERTIFICATION**

The estimated costs shown are within the normal acceptable range of costs for improvement projects of this type. This project is deemed necessary, cost-effective and feasible.

I hereby certify that this report was prepared by me or under my direct supervision and that I am a duly licensed engineer under the laws of the State of Minnesota.

This report submitted November 23, 2022 for Council review.

  
Craig Britton, P.E.


44228

## APPENDIX A – PROJECT AREA MAP



2023 STREET PROJECTS

Chatfield, MN





0125250

Feet

1 inch = 125 feet

2022-1125111/10/2022

Proposed Full Reconstruction

Proposed Reclaim and Pave and Storm Sewer Installation





## APPENDIX B – ESTIMATE OF COSTS

2023 STREET RECONSTRUCTION PROJECT  
WIDSETH PROJECT NO. 2022-11251  
CHATFIELD, MN

ENGINEER'S ESTIMATE

BID NO.	ITEM	TOTAL QTY.	UNIT	UNIT PRICE	TOTAL
1	Mobilization	1	LS	\$ 70,000.00	\$ 70,000.00
2	Clearing	14	Tree	\$ 500.00	\$ 7,000.00
3	Grubbing	14	Tree	\$ 175.00	\$ 2,450.00
4	Remove Sewer Pipe (Storm)	507	Lin Ft	\$ 10.00	\$ 5,070.00
5	Remove Retaining Wall	90	Sq Ft	\$ 15.00	\$ 1,350.00
6	Remove Curb & Gutter	3698	Lin Ft	\$ 4.50	\$ 16,641.00
7	Remove Bituminous Pavement	6970	Sq Yd	\$ 4.00	\$ 27,880.00
8	Reclaim Bituminous Pavement	1745	Sq Yd	\$ 4.25	\$ 7,416.25
9	Remove Concrete Sidewalk	20	Sq Ft	\$ 6.00	\$ 120.00
10	Remove Concrete Driveway Pavement	745	Sq Yd	\$ 10.00	\$ 7,450.00
11	Remove Bituminous Driveway Pavement	86	Sq Yd	\$ 8.00	\$ 688.00
12	Remove Manhole (Sanitary)	8	Each	\$ 600.00	\$ 4,800.00
13	Remove Catch Basin	5	Each	\$ 450.00	\$ 2,250.00
14	Remove Valve Box	10	Each	\$ 250.00	\$ 2,500.00
15	Remove Hydrant	6	Each	\$ 500.00	\$ 3,000.00
16	Sawing Pavement (Full Depth)	64	Lin Ft	\$ 4.00	\$ 256.00
17	Common Excavation	4953	Cu Yd	\$ 12.00	\$ 59,436.00
18	Exploratory Digging	10	Hrs	\$ 350.00	\$ 3,500.00
19	Topsoil Borrow (LV)	1093	Cu Yd	\$ 25.00	\$ 27,325.00
20	Geotextile Fabric Type V	7423	Sq Yd	\$ 2.50	\$ 18,557.50
21	Aggregate Base Class 5 Modified	5010	Ton	\$ 20.50	\$ 102,705.00
22	Aggregate Base Class 2 Breaker Run	500	Ton	\$ 22.00	\$ 11,000.00
23	Type SP 9.5 Wearing Course Mix (3,C)	1005	Ton	\$ 108.00	\$ 108,540.00
24	Type SP 12.5 Wearing Course Mix (3,C)	1005	Ton	\$ 105.00	\$ 105,525.00
25	Modular Block Retaining Wall	90	Sq Ft	\$ 50.00	\$ 4,500.00
26	Concrete Steps	2	Each	\$ 750.00	\$ 1,500.00
27	Granular Foundation	500	Ton	\$ 20.00	\$ 10,000.00
28	15" RC Pipe Sewer Design 3006 CL V	185	Lin Ft	\$ 70.00	\$ 12,950.00
29	18" RC Pipe Sewer Design 3006 CL V	1345	Lin Ft	\$ 72.00	\$ 96,840.00
30	21" RC Pipe Sewer Design 3006 CL V	268	Lin Ft	\$ 80.00	\$ 21,440.00
31	Maintenance of Sanitary Sewer Service	1	L.S.	\$ 5,000.00	\$ 5,000.00
32	Connect to Existing Sanitary Sewer	2	Each	\$ 1,250.00	\$ 2,500.00
33	Connect to Existing Storm Sewer	1	Each	\$ 1,000.00	\$ 1,000.00
34	Sanitary Sewer Service (4" PVC)	23	Each	\$ 1,550.00	\$ 35,650.00
35	Sanitary Sewer Service (6" PVC)	11	Each	\$ 1,650.00	\$ 18,150.00
36	8" x 4" PVC Wye	23	Each	\$ 270.00	\$ 6,210.00
37	8" x 6" PVC Wye	11	Each	\$ 300.00	\$ 3,300.00
38	Sanitary Sewer Inspection	1890	Lin Ft	\$ 2.00	\$ 3,780.00
39	8" PVC Pipe Sewer	1890	Lin Ft	\$ 58.50	\$ 110,565.00
40	Install Water Service System (1")	38	Each	\$ 2,000.00	\$ 76,000.00
41	Connect to Existing Water Main	2	Each	\$ 1,650.00	\$ 3,300.00
42	Hydrant	6	Each	\$ 5,400.00	\$ 32,400.00
43	Adjust Valve Box	6	Each	\$ 300.00	\$ 1,800.00
44	6" Gate Valve & Box	6	Each	\$ 2,250.00	\$ 13,500.00
45	8" Gate Valve & Box	6	Each	\$ 2,750.00	\$ 16,500.00
46	6" PVC Water Main	120	Lin Ft	\$ 58.50	\$ 7,020.00
47	8" PVC Water Main	1890	Lin Ft	\$ 60.50	\$ 114,345.00
48	Ductile Iron Fittings	701	Pound	\$ 12.50	\$ 8,762.50
49	Construct Drainage Structure Design Type B	10	Each	\$ 2,850.00	\$ 28,500.00
50	Construct Drainage Structure Design 48-4020	6	Each	\$ 4,650.00	\$ 27,900.00
51	Adjust Frame and Ring Casting	3	Each	\$ 350.00	\$ 1,050.00
52	Density Testing	1	LS	\$ 4,000.00	\$ 4,000.00
53	Construct Sanitary Manhole	8	Each	\$ 3,200.00	\$ 25,600.00
54	Construct Sanitary Manhole	8	Lin Ft	\$ 300.00	\$ 2,400.00
55	4" Concrete Walk	3100	Sq Ft	\$ 8.00	\$ 24,800.00
56	Curb and Gutter Design B624	3726	Lin Ft	\$ 21.50	\$ 80,109.00
57	Curb and Gutter Design B624 (Mod.)	80	Lin Ft	\$ 23.50	\$ 1,880.00
58	6" Concrete Driveway Pavement	950	Sq Yd	\$ 76.00	\$ 72,200.00
59	Bituminous Driveway Pavement	60	Sq Yd	\$ 35.00	\$ 2,100.00
60	Truncated Domes	24	Sq Ft	\$ 52.00	\$ 1,248.00
61	Traffic Control	1	LS	\$ 5,000.00	\$ 5,000.00
62	Sodding Type Lawn	6350	Sq Yd	\$ 8.00	\$ 50,800.00
63	Storm Drain Inlet Protection	6	Each	\$ 150.00	\$ 900.00
64	Silt Fence	340	Lin Ft	\$ 3.00	\$ 1,020.00
65	Fertilizer Type 1	300	Pound	\$ 1.00	\$ 300.00
ESTIMATED CONSTRUCTION COSTS					\$ 1,532,279.25
ESTIMATED CONSTRUCTION COSTS (MOBILIZATION NOT INCLUDED)					\$ 1,462,279.25
ESTIMATED ENG, ADMINISTRATION AND CONTINGENCIES (30%)					\$ 459,683.78
TOTAL ESTIMATED COST OF IMPROVEMENTS					\$ 1,991,963.03



# City of Chatfield

Thurber Community Center • Chatfield Municipal Building  
21 Second Street Southeast • Chatfield, Minnesota 55923 • 507-867-3810  
[www.ci.chatfield.mn.us](http://www.ci.chatfield.mn.us)

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## MEMORANDUM

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**TO:** PUBLIC WORKS COMMITTEE  
**FROM:** CRAIG BRITTON  
**SUBJECT:** TH 30 WATERMAIN REALIGNMENT UPDATE  
**DATE:** NOVEMBER 8, 2022  
**CC:** CITY CLERK, JOEL YOUNG  
SUPERINTENDENT OF CITY SERVICES, BRIAN BURKHOLDER

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**Action Requested:** No action is requested at this time. This is an update to the MnDOT TH 30 watermain realignment project.

**Background:** As a recap, MnDOT is proposing the realignment of Mill Creek as part of the TH 30 bridge replacement project. The creek is going to be realigned west of its current location at TH 30, which will require the existing water main to be relocated. MnDOT staff has indicated that the horizontal alignment of the existing water main running parallel to TH 30 is fine and will not interfere with construction, however, due to the current depth of the watermain in the area where the creek is being realigned, the watermain will need to be lowered. MnDOT sent us their current plan set in August and we received a quote from Griffin Construction to perform the work.

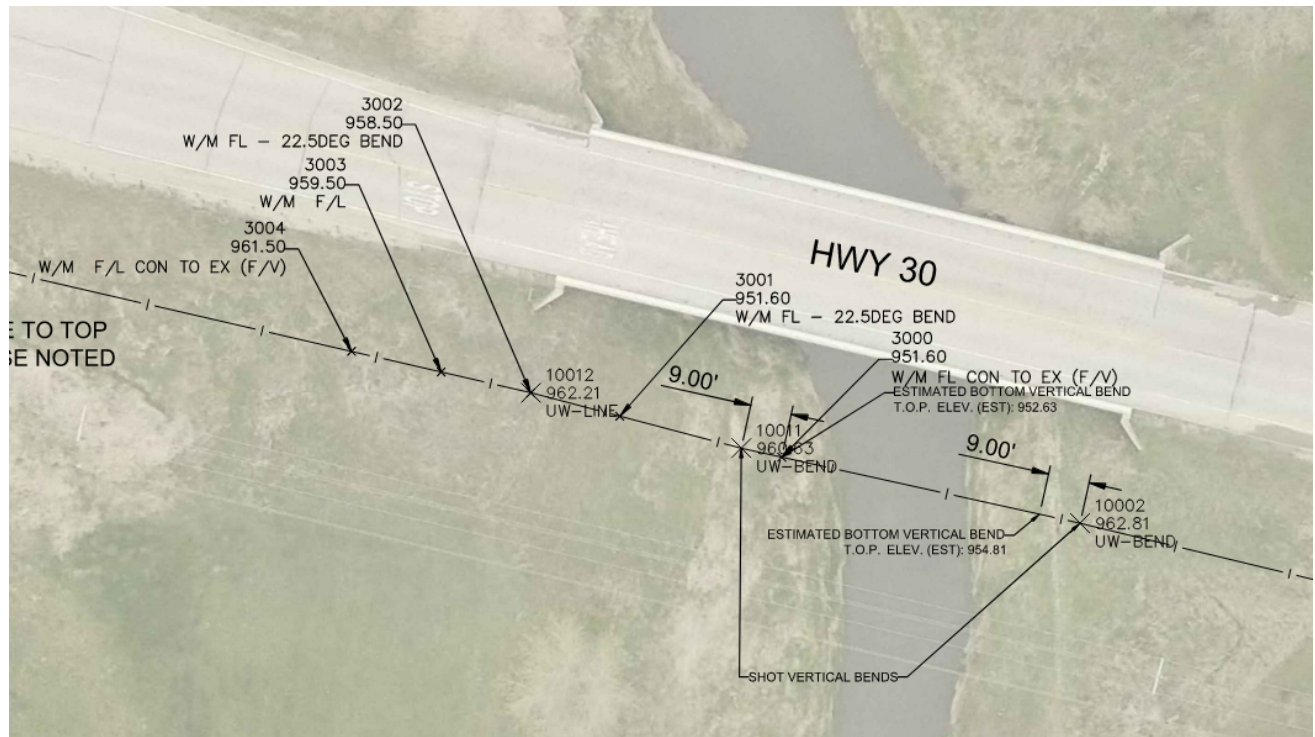
The realignment of the watermain required a permit from MnDOT to work within the right-of-way along with a permit from the Department of Health. A DNR waters permit was not required because there were no plans to dig into the banks of Mill Creek.

The Department of Health requires a valve to be placed on each side of a waterbody along with a hydrant between the valves so that the watermain can be tested for leaks. Griffin Construction installed the valve and hydrant on the west side of the Kwik Trip property and replaced a valve near Mill Creek Road the first week in November.

Their plan was to lower the watermain on the west side of the Creek starting on the 7<sup>th</sup>, however, when they exposed the watermain pipe, we found that it was too shallow at our proposed connection point. To ensure that the watermain was lowered to an adequate depth the only option would have been to dig into the Creek to install the vertical bends. I called Kjersti, the MnDOT project engineer to review some different options with her (is it possible to realign the Creek approximately 10 ft farther west? Is there was an option to work under their DNR permit?) and then I called Nicole from the DNR to review

the situation. We talked about various options, but ultimately it was decided that the best route to continue the work involves getting a license from the DNR for the future waterbody crossing. Therefore, Griffin Construction backfilled the trench near the Creek and dug some test holes at the proposed connection point to the west to ensure that the watermain is as deep as we anticipated.

Our next steps involve applying for a license from the DNR and we will begin the process later this week. MnDOT is proposing to start the demolition of the existing bridge around the middle of April and the current plan is to have Griffin Construction begin lowering the watermain in the spring before MnDOT contactors arrive on site.



Here is a diagram of what was shot in the spring of 2022 along with the elevations we were anticipating. The bottom of Creek elevation is 960.00.

If you have any questions prior to the public works committee meeting please let me know.

Sincerely,

Craig Britton



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## MEMORANDUM

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**TO:** PUBLIC WORKS COMMITTEE  
**FROM:** CRAIG BRITTON  
**SUBJECT:** BENCH STREET DRAINAGE IMPROVEMENT PROJECT  
**DATE:** NOVEMBER 9, 2022  
**CC:** CITY CLERK, JOEL YOUNG  
SUPERINTENDENT OF CITY SERVICES, BRIAN BURKHOLDER

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**Action Requested:** No action required.

**Update:** Pearson Construction started work on the drainage improvement project in late October and as of today has all the pipe and structures installed on the project. Currently they're working on shaping up the disturbed areas and are planning to seed and hydromulch the areas as weather permits. Below are a couple of pictures from the job site. The first one is from 7<sup>th</sup> St looking north.







7<sup>th</sup> Street looking south.

Please let me know if you have any questions.

Thanks,

  
Craig Britton



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## MEMORANDUM

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**TO:** PUBLIC WORKS COMMITTEE  
**FROM:** CRAIG BRITTON  
**SUBJECT:** 2022 GROUND WATER STORAGE IMPROVEMENT PROJECT – PAY APPLICATION 3  
**DATE:** NOVEMBER 8, 2022  
**CC:** CITY CLERK, JOEL YOUNG  
SUPERINTENDENT OF CITY SERVICES, BRIAN BURKHOLDER

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**Action Requested:** Consider recommending approval to the City Council of pay application number 3 in the amount of \$109,155.00 to Osseo Construction Co. LLC for work completed on the 2022 Ground Water Storage Improvement Project.

**Background:** Osseo Construction Co. LLC has submitted pay application number 3 in the amount of \$109,155.00 for work completed in October on the South Reservoir. Work completed in October includes structural modifications, interior and exterior coating, half their mobilization and payment for the 100% solid coatings system. The work on the south reservoir has been substantially completed. A summary of the payments to date and retainage is on the first sheet of the pay application. Below is a summary of the contract amounts and payments.

1. Original Contract Amount - \$474,000
2. Contract to Date - \$304,000 (\$170,000 was deducted for the work planned for the concrete tank).
3. Pay Application 1 - \$93,480 (Paid in September for work in August)
4. Pay Application 2 - \$86,165
5. Pay Application 3 - \$109,155
6. Retainage (5%) - \$15,200

Please contact me if you have any questions.

Sincerely,

Craig Britton



# APPLICATION FOR PAYMENT

PAGE ONE OF TWO PAGES

Owner: City of Chatfield  
21 SE Second Street  
Chatfield MN 55923  
CONTRACTOR: Osseo Construction Co. LLC  
PO Box 143, 14248 10th Street  
Osseo, WI 54758

PROJECT: 2022 Ground Water Storage Improvements  
VIA ARCHITECT: Widseth

APPLICATION NO: 3  
PERIOD TO: 10/28/2022  
PROJECT #: 2021-11946  
CONTRACT #:  
CONTRACT DATE:

Distribution to:  
☒ OWNER  
☒ ARCHITECT  
☒ GENERAL CONTRACTOR  
☐ SUBCONTRACTOR

## CONTRACTOR'S APPLICATION FOR PAYMENT

Application is made for payment, as shown below, in connection with the Contract.  
Continuation Sheet is attached.

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the Work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were issued and payments received from The Osseo Construction Co. LLC, and that current payment shown herein is now due.

1. ORIGINAL CONTRACT SUM \$ 474,000.00  
2. Net change by Change Orders \$ (170,000.00)  
3. CONTRACT SUM TO DATE (Line 1 ± 2) \$ 304,000.00  
4. TOTAL COMPLETED & STORED TO  
DATE (Column G) \$ 304,000.00  
5. RETAINAGE:  
a. 5% of Completed Work \$ 15,200.00  
(Column D + E)  
b.        % of Stored Material \$ n/a  
(Column F)  
Total Retainage (Lines 5a + 5b or  
Total in Column I) \$ 15,200.00  
6. TOTAL EARNED LESS RETAINAGE \$ 288,800.00  
(Line 4 Less Line 5 Total)  
7. LESS PREVIOUS CERTIFICATES FOR  
PAYMENT (Line 6 from prior Certificate) \$ 179,645.00  
8. CURRENT PAYMENT DUE \$ 109,155.00  
9. BALANCE TO FINISH, INCLUDING  
RETAINAGE (Line 3 less 6) \$ 15,200.00

  
Contractors Signature

10/28/22  
Date

  
Engineers Signature

11/8/22  
Date

\_\_\_\_\_  
Owners Signature

\_\_\_\_\_  
Date

CHANGE ORDER SUMMARY	ADDITIONS	DEDUCTIONS
Total changes approved in previous months by Contractor		(\$170,000.00)
Total approved this Month		
TOTALS		
NET CHANGES by Change Order		(\$170,000.00)

# CONTINUATION SHEET

PAGE 2 OF 2 PAGES

APPLICATION NO: 3

APPLICATION DATE: 10/28/2022

PERIOD TO: 10/28/2022

CONTRACTOR'S PROJECT NO:

In tabulations below, amounts are stated to the nearest dollar.

Use Column I on Contracts where variable retainage for line items may apply.

	A	B	C	D	E	F	G		H	I
	ITEM NO.	DESCRIPTION OF WORK	SCHEDULED VALUE	WORK COMPLETED		MATERIALS PRESENTLY STORED (NOT IN D OR E)	TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% (G ÷ C)	BALANCE TO FINISH (C - G)	RETAINAGE (IF VARIABLE RATE)
				FROM PREVIOUS APPLICATION (D + E)	THIS PERIOD					
	1	Structure Modifications (South Reservoir)	\$98,000.00	\$78,400.00	\$19,600.00	N/A	\$98,000.00	100.00%	\$0.00	\$4,900.00
	2	Surface Repairs (South Reservoir)	\$4,000.00	\$4,000.00	\$0.00	N/A	\$4,000.00	100.00%	\$0.00	\$200.00
	3	Interior Wet Area Abrasive Blast and Coating (South Reservoir)	\$57,000.00	\$34,200.00	\$22,800.00	N/A	\$57,000.00	100.00%	\$0.00	\$2,850.00
	4	Exterior Abrasive Blast and Coating (South Reservoir)	\$87,500.00	\$52,500.00	\$35,000.00	N/A	\$87,500.00	100.00%	\$0.00	\$4,375.00
	5	Mobilization	\$40,000.00	\$20,000.00	\$20,000.00	N/A	\$40,000.00	100.00%	\$0.00	\$2,000.00
	6	Alternate No. 1 - 100% Solid Coatings System	\$17,500.00	\$0.00	\$17,500.00	N/A	\$17,500.00	100.00%	\$0.00	\$875.00
		GRAND TOTALS	\$304,000.00	\$189,100.00	\$114,900.00	\$0.00	\$304,000.00	100.00%	\$0.00	\$15,200.00