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# **2021 Street & Utility Improvements** City of Hayfield, Minnesota

December 2020

#### Submitted by:

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# Certification

**Feasibility Report** 

For

2021 Street & Utility Improvements

City of Hayfield, Minnesota BMI Project No: 0H1.123135

December 2020

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision, and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Bv: Derek P. Olinger, P.E. License No. 54287

Date: 12/17/2020

Revised 12/21/2020, DPO

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#### I. PROJECT INTRODUCTION

This Feasibility Report is for various street and utility improvements to the following areas in Hayfield, Minnesota:

| Table 1 – Project Area               |                  |                            |  |  |
|--------------------------------------|------------------|----------------------------|--|--|
| Improvement                          | Street           | From / To                  |  |  |
|                                      | 1st Street NE    | Center Ave N to 1st Ave NE |  |  |
| Street & Utility                     | 1st Avenue NE    | 1st St NE to 2nd St NE     |  |  |
| Reconstruction                       | 2nd Avenue NE    | Main St E to 2nd St NE     |  |  |
|                                      | Alley (Block 10) | Center Ave N to 1st Ave NE |  |  |
|                                      | 5th Street NE    | 4th Ave NE to 6th Ave NE   |  |  |
| Streat Orierlay 9                    | 4th Street NE    | 4th Ave NE to 6th Ave NE   |  |  |
| Street Overlay &<br>Surface Patching | 3rd Street NE    | 5th Ave NE to 6th Ave NE   |  |  |
| Surface Patching                     | 4th Avenue NE    | 5th St NE to ½ block north |  |  |
|                                      | 5th Avenue NE    | 3rd St NE to ½ block south |  |  |

A project location map is illustrated in *Figure 1* of *Appendix A*.

In 2020, the City authorized the preparation of an Infrastructure Management Plan and Capital Finance Plan. These plans were finalized and reviewed by the City council in November 2020. As it relates to this report, the Capital Finance plan identified an allowance for approximately \$1.5 million in improvements. The areas noted above were identified as high priority needs.

In accordance with Minnesota Statutes, Chapter 429, the City Council has authorized the preparation of a Feasibility Report to define the scope a feasibility of the proposed project. The specific objectives of this report include:

- 1. Evaluate the project need
- 2. Determine the necessary improvements
- 3. Provide preliminary cost estimates
- 4. Determine tentative project schedule
- 5. Determine the feasibility of the project

Additional details can be found in the remainder of this report.

#### **II. EXISTING CONDITIONS**

A. Street and Surface – Reconstruction Area

The existing streets within the reconstruction area consist of bituminous pavements with concrete curb and gutter. The platted Right-of-Way throughout the project area is 66-feet. In November of 2020, an Infrastructure Plan was created, and pavement ratings were conducted. See the table below for street ratings and other details.

| Table 2 – Existing Street and Sidewalk Conditions |                            |                           |                           |                     |  |  |
|---|----------------------------|---------------------------|---------------------------|---------------------|--|--|
| Street  | Street Width (1)<br>(feet) | Pavement Rating<br>(1-10) | Concrete Curb<br>& Gutter | Public<br>Sidewalks |  |  |
| 1 <sup>st</sup> Street NE                         | 40                         | 2 -very poor              | Х                         | Х                   |  |  |
| 1 <sup>st</sup> Avenue NE                         | 50                         | 3 - poor                  | Х                         | Х                   |  |  |
| 2 <sup>nd</sup> Avenue NE                         | 48-42                      | 3 - poor                  | Х                         |                     |  |  |

Notes: (1) Width measured from face of curb to face of curb.

The existing pavement shows noticeable signs of fatigue, block cracking, and alligator cracking. Transverse and longitudinal cracks show signs of crack erosion. Based on these characteristics and signs of failure a full reconstruction is necessary. Concrete curb and gutter, sidewalks, and driveway aprons vary in condition for good to poor.



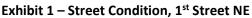


Exhibit 2 – Street Condition, 2<sup>nd</sup> Avenue NE

B. Street and Surface – Alley

The existing parking area adjacent to the alley is mostly paved with bituminous pavement with partial areas of gravel surfacing. Portions of the pavement appear to be heavily raveled, which is likely a result of improper drainage.



Exhibit 3 – Street Condition, Alley (Block 10)

C. Street and Surface – Mill & Overlay Area

The existing streets within the mill and overlay area consist of bituminous pavements with concrete curb and gutter. The street widths measure 36-feet between faces of curb and the

platted Right-of-Way throughout the project area is 60-feet. According to the Infrastructure Plan (November 2020), the pavement conditional ratings of 3<sup>rd</sup> Street NE, 4<sup>th</sup> Street NE, and 5<sup>th</sup> Street NE ranges from 5 to 6 (fair to good). Some localized areas appear to contain alligator cracking, which is an indicator of inadequate subgrade soil strength.

The concrete curb and gutters are in fair to poor condition, with areas of localized settlement.



Exhibit 4 – Street Condition, 5<sup>th</sup> Street NE

D. Storm Sewer/Drainage

Throughout the reconstruction project area, storm runoff is conveyed via concrete curb and gutter to catch basins located on adjacent streets. 1<sup>st</sup> Street NE drains to the west to catch basins located at the intersection of Center Ave N and 1<sup>st</sup> Street NE.

The drainage of 1<sup>st</sup> Ave NE is split midblock between 1<sup>st</sup> and 2<sup>nd</sup> Street NE, and drains north and south to 2<sup>nd</sup> St NE and Main St, respectively. The drainage of 2<sup>nd</sup> Ave NE is also split, with a high point located at the intersection of 1<sup>st</sup> Street NE, storm runoff drains north to 2<sup>nd</sup> Street NE and south to Main Street. As we understand, there are no major issues with flooding within the reconstruction area.

In the alley, storm runoff from the adjacent building is collected and discharged through roof drains and downspouts onto the bituminous pavement between the alley and the building. The existing parking lot pavement generally drains from southeast to northwest onto the adjacent alley pavement and ultimately to a catch basin located on Center Avenue south of the alley entrance. Due to lack of slope, water appears to pond along the edge of the parking near the buildings and other low areas throughout the parking lot. This moisture on and below the pavement can reduce the durability of the pavement and may result in moisture entering adjacent the building foundations.

Other than some minor low spots in curb or some deterioration on storm sewer structures within the mill & overlay area, storm sewer and drainage was not evaluated in detail for this area and there are no major issues with drainage known.

The existing storm sewer system is shown on *Figure 2 and 3* of *Appendix A*.

E. Sanitary Sewer

According to record drawings from 1958, the existing sanitary sewer throughout the proposed

reconstruction area consists of 8-inch vitrified clay pipe, with depths ranging from to 8 to 10feet. Sanitary sewer of this material is susceptible to cracks and offset joints resulting in infiltration and root intrusion. In most cases, sanitary services are of the same material and are of similar or worse condition than the mainline pipe. These issues can increase treatment and maintenance costs and can ultimately lead to failure of the sanitary sewer.

Sanitary sewer within the alley is also clay pipe which is likely part of the original sanitary collection system; however, the project scope for the alley only includes only surface drainage improvements for the parking area outside of the alley and sanitary sewer is outside of the project scope.

The existing sanitary collection system within the mill & overlay area appears to have been installed in the 1970's and is believed to be in good condition.

The existing sanitary sewer system is shown on *Figure 2 and 3* of *Appendix A*.

F. Watermain

> The existing water distribution system within the 2<sup>nd</sup> Avenue NE and 1<sup>st</sup> Street NE consists of 4-inch and 6-inch cast iron pipe. The exact age of watermain in this area is unknown; however, watermain of this material is commonly brittle (susceptible to breaks) and corroded (reduced hydraulic capacity). Currently, there is no watermain along 1<sup>st</sup> Avenue NE between 1<sup>st</sup> and 2<sup>nd</sup> Street NE. As a result, there are several service lines "snaked" through private property.

> There is no watermain within the alley. Within the mill & overlay areas, the existing main is believed to be ductile iron pipe and was installed in the 1970s. As we understand, there are no major issues with these distribution lines.

The existing water distribution system is shown on the *Figure 2 and 3* of *Appendix A*.

Other Utilities G.

> Other non-municipal utilities are present in the right-of-way. These include natural gas, electric, and telecommunications.

#### **PROPOSED IMPROVEMENTS** III.

Street and Surface Improvements – Reconstruction Areas A.

The streets in the project area proposed for reconstruction as bituminous streets with curb & gutter design B618 on both sides. The typical bituminous pavement structure will consist of 4-inch thick bituminous pavement, 8-inches of aggregate base, and 10-inches of select granular borrow over a geotextile fabric. To account for a higher volume traffic within 1<sup>st</sup> Avenue NE, bituminous thickness within this area will be increased to 5 inches. Pending the results of the geotechnical investigation, pavement sections are subject to change prior to the completion of final construction plans. The following table summarizes the proposed street widths and improvements within the project area.

| Table 3 – Proposed Street and Sidewalk Conditions            |                            |                           |                     |                                |  |  |  |
|--|----------------------------|---------------------------|---------------------|--------------------------------|--|--|--|
| Street   | Street Width (1)<br>(feet) | Concrete<br>Curb & Gutter | Public<br>Sidewalks | Pedestrian Ramp<br>Replacement |  |  |  |
| 1 <sup>st</sup> Street NE                                    | 36                         | Х                         | Х                   | Х                              |  |  |  |
| 1 <sup>st</sup> Avenue NE                                    | 50                         | Х                         | Х                   | X (2)                          |  |  |  |
| 2 <sup>nd</sup> Avenue NE                                    | 40                         | Х                         | X (3)               | Х                              |  |  |  |
| Notes: (1) Width measured from face of curb to face of curb. |                            |                           |                     |                                |  |  |  |

(1) Width measured from face of curb to face of curb.

(2) Pedestrian ramps at intersection 1st Avenue NE & 2nd Street NE (TH 30) meet ADA Standards

(3) The extension of sidewalk on both sides of  $2^{nd}$  Avenue NE is included as project options.

Throughout the project area, concrete driveway aprons will be reconstructed from the back of the new curb to the extent necessary to adequately match into the existing driveways. Existing approach sidewalks will be removed and replaced from the new back of curb to the Right-of-Way. Existing public sidewalk and pedestrian ramps within the project area will be replaced in kind with ADA compliant surfaces.

Perforated subsurface drain piping is proposed along the back of the curb lines on each street. These drains are proposed to be 6-inch diameter perforated PVC. The new subsurface drains will be connected to existing downstream catch basins. The purpose of these drains is to remove subsurface water from the pavement section and underlying soils. This will help keep the underlying soils stable and help to preserve the life of the street.

All disturbed turf will be restored with topsoil borrow, seeding and hydromulch. Trees and or bushes located within the street right of way may need to be removed to facilitate underground utility reconstruction. Attempts will be made to reduce impacts to existing trees, however some tree removals should be expected.

The alley parking area will be regraded and paved with bituminous following the installation of storm sewer and inlets to this area.

The proposed street and surface improvements are shown on *Figure 4* of *Appendix A*.

B. Street and Surface Improvements – Mill & Overlay Areas

The proposed improvements along 3<sup>rd</sup>, 4<sup>th</sup>, and 5<sup>th</sup> Street NE along with sections of 4<sup>th</sup> and 5<sup>th</sup> Avenue NE, include milling 2 inches of the existing bituminous pavement and paving a 2-inch overlay on the milled surface. This work will also include patching bituminous pavement, repairing concrete curb and gutter, repairing manholes and catch basins, and adjusting manholes, catch basins, and valve boxes to a new surface elevation.

Sanitary sewer manholes and valve will also be adjusted to the new surface elevation after paving. Prior to paving, deteriorated concrete adjusting rings, broken manhole castings and broken valve boxes will be replaced.

The proposed mill and overlay improvements are shown on *Figure 5* of *Appendix A*.

C. Storm Sewer Improvements

Under the proposed conditions, drainage will continue to be conveyed along the concrete curb and gutter to existing catch basins near the project limits. Subsurface drain pipes will be connected to the existing catch basins at the intersection of 1<sup>st</sup> Street NE and Center Avenue N, and at the intersection of 2<sup>nd</sup> Avenue NE and 2<sup>nd</sup> Street NE. Any necessary repairs will be made to the structures and the castings will be adjusted to match new concrete curb and gutter.

Within the alley, the proposed storm sewer improvements will include two new inlet structures and 12-inch diameter storm sewer pipe. Stubs for existing and future roof drain outlets will be provided for each building. The new storm sewer will be connected to the existing storm sewer within Center Ave N.

Within the mill & overlay areas, no drainage improvements are proposed other than minor repairs to curb and gutter and existing inlet structures and castings.

The proposed storm sewer system is shown on *Figure 4* of *Appendix A*.

D. Sanitary Sewer Improvements

Existing sanitary mains within 1<sup>st</sup> Ave NE and 2<sup>nd</sup> Ave NE will be replaced with new gasketed-joint, 8-inch diameter, PVC pipe and precast concrete manholes. Manholes will be spaced at a maximum of 400-feet intervals to facilitate maintenance and cleaning.

New, gasketed PVC sanitary sewer services will be constructed from the sewer main to the

right-of-way line. Residential connections generally require a 4-inch diameter service and commercial or multi-unit residential connection generally require a 6-inch diameter service. The new services will be connected to the existing services by watertight means, typically a rubber coupling.

No major sanitary improvements are proposed within 1<sup>st</sup> Street NE (no existing main here), the alley, or the proposed mill & overlay areas.

The proposed sanitary sewer improvements are shown on *Figure 4* of *Appendix A*.

E. Watermain Improvements

The existing watermain within the reconstruction area will be replaced with new 8-inch diameter, ductile iron or PVC pipe. The extension of new 8-inch watermain within 1<sup>st</sup> Ave NE is also proposed. This extension of new main is warranted to eliminate the snaked water service lines that currently exist for buildings at 119 1<sup>st</sup> Ave NE and 105 2<sup>nd</sup> St NE. Hydrants with dedicated valves will be installed at appropriate intervals and main line valves will be installed to properly isolate the system for flushing, repair, and maintenance.

Service lines will also be replaced between the new main and property line. Single family residential and small commercial building services will be replaced with a 1-inch service line. Multi-family buildings will receive a 2-inch line. Larger buildings with fire suppression systems will receive a 6-inch service. Service line replacement will also include the installation of a new curb stop or other exterior shut-off valve near the property line.

No major water system improvements are proposed as part of the alley or mill & overlay areas of the project.

The proposed water system improvements are shown on *Figure 4* of *Appendix A*.

F. Other Utilities

The design of the proposed improvements will be coordinated with the owners of other utilities such as natural gas, electric, and communications. A design coordination meeting will be held with all private utility companies to identify those utilities that are in conflict with the proposed improvements. Private utility companies will be requested to submit proposed designs and construction schedules for any relocation. The construction schedule for the proposed improvements will be coordinated with the utility relocation schedule to avoid unnecessary delays.

G. Right-of-Way and Easements

Although the project will be designed to limit construction of the proposed improvements to within the existing right-of-way, it is possible that minor disturbances on private property will occur during construction of sidewalks, driveways, and sewer and water services. Therefore, temporary construction easements may be necessary along the project frontage to accommodate these minor disturbances, if the city feels this is necessary.

In order to construct and maintain the proposed storm sewer and drainage improvements for the Alley (Block 10) between Center Avenue N and 1<sup>st</sup> Avenue NE, acquiring permanent drainage and utility easements for any pipe or structures outside of the alley right-of-way is highly recommended.

#### **IV. APPROVALS AND PERMITS**

Approvals and Permits are required from various agencies for the construction of the project. They include the following:

- Minnesota Pollution Control Agency (MPCA) General Construction Storm Water Permit
- Minnesota Department of Health (MDH) Plan Review for watermain construction
- Minnesota Department of Transportation (MnDOT) Miscellaneous Work on Trunk Highway Right-of-Way and Utility Accommodation on Trunk Highway Right-of-Way Permits
- Dodge County Work in the Right-of-Way and Utility Permit

#### V. PROJECT COST ESTIMATE AND FINANCING

The following table summarizes the estimated project costs.

| Table 4 – Preliminary Cost Estimate   |                                |   |                                 |  |  |  |
|---|--------------------------------|---|---------------------------------|--|--|--|
| Project Component   | Estimated<br>Construction Cost | Estimated Engineering,<br>Administration, and<br>Financing Cost | Total Estimated<br>Project Cost |  |  |  |
| Street & Utility Reconstruction:<br>1 <sup>st</sup> Street NE, 1 <sup>st</sup> Avenue NE<br>and 2 <sup>nd</sup> Avenue NE | \$ 943,656                     | \$ 236,000  | \$ 1,179,656                    |  |  |  |
| Alley Drainage Improvements:<br>Block 10  | \$ 50,060                      | \$ 12,600   | \$ 62,660                       |  |  |  |
| Mill & Overlay (Base):<br>4 <sup>th</sup> & 5 <sup>th</sup> Street NE<br>and 4 <sup>th</sup> Avenue NE                    | \$ 202,820                     | \$ 50,800   | \$ 253,620                      |  |  |  |
| Total without Options:  | \$ 1,196,536                   | \$ 299,400  | \$ 1,495,936                    |  |  |  |
|   |                                |   |                                 |  |  |  |
| Option 1: Add Sidewalk to West<br>Side of 2 <sup>nd</sup> Ave NE  | \$ 16,660                      | \$ 4,200  | \$ 20,680                       |  |  |  |
| Option 2: Add Sidewalk to East<br>Side of 2 <sup>nd</sup> Ave NE  | \$ 28,610                      | \$ 7,200  | \$ 35,810                       |  |  |  |
| Option 3: Mill & Overlay<br>3 <sup>rd</sup> St NE & 5 <sup>th</sup> Ave NE  | \$ 54,525                      | \$ 13,700   | \$ 68,225                       |  |  |  |
| Total Including Options 1-3   | \$ 1,296,331                   | \$ 324,500  | \$ 1,620,831                    |  |  |  |

Detailed cost estimates are included in Appendix B.

These cost estimates are based on public construction cost information from other recent projects which are similar in scope. Since the cost estimates are dependent on the cost of labor, materials, competitive bidding process, weather conditions, and other factors affecting the cost of construction, all cost estimates are opinions for general information and no warranty or guarantee as to the accuracy of construction cost is made. Therefore, financing for this project should be based upon actual competitive bid prices with reasonable contingencies.

A. Financing

Funding for the proposed 1<sup>st</sup> Street NE, 1<sup>st</sup> Avenue NE, and 2<sup>nd</sup> Ave NE reconstruction improvements is proposed to come from the sale of bond(s). These bonds are repaid through enterprise funds or tax levy. A portion of the reconstruction costs for 1<sup>st</sup> St NE, 1<sup>st</sup> Ave NE and 2<sup>nd</sup> Ave NE, and drainage costs within the alley will be through special assessments to benefitting adjacent property owners.

B. Special Assessments

The City plans to fund a portion of the reconstruction and drainage improvement costs through special assessments to benefitting property owners, in accordance with Chapter 429 of the Minnesota State Statutes.

As a general rule, 20% of the applicable project costs funded through a general obligation bond should be assessed to avoid the need for an election. If this 20% threshold is not met, the City should consult its financial advisor and bond counsel.

An assessment policy is currently under development. For the purposes of this report, assessments were calculated by applying 20% of reconstruction and drainage improvement costs. The costs associated with bituminous mill & overlay improvements were not considered assessable.

Street and sidewalk improvements are assessed on a "frontage" basis. A 50% deduction is applied to lots with assessable side or rear lot lengths. Sanitary sewer, water, and alley drainage improvements are assessed on a per lot basis. The following table provides a breakdown of assessable costs associated with the project, using the 20% assessment rate.

| Table 5 – Proposed Assessment Summary (Revised 12/21/20) |               |            |               |             |            |  |  |
|--|---------------|------------|---------------|-------------|------------|--|--|
|  |               |            | Total         | Assessable  | Assessable |  |  |
|  | Estimated     | Assessable | Assessable    | Cost Per    | Cost Per   |  |  |
| Project Component  | Project Cost  | Rate       | Cost          | Lot (2)     | Foot (3)   |  |  |
| Street & Site (1)(4)                                     | \$ 796,861.91 | 20%        | \$ 159,372.38 | N/A         | \$ 77.02   |  |  |
| Sidewalk   | \$ 165,720.10 | 20%        | \$ 33,144.02  | N/A         | \$ 23.66   |  |  |
| San Sewer & Service                                      | \$ 74,171.81  | 20%        | \$ 14,834.36  | \$ 2,472.39 | N/A        |  |  |
| Watermain & 1" Serv.                                     | \$ 130,911.03 | 20%        | \$ 26,182.21  | \$ 1,870.16 | N/A        |  |  |
| Watermain &<br>Oversized Serv.                           | \$ 68,661.15  | 20%        | \$ 13,732.23  | \$ 3,433.06 | N/A        |  |  |
| Alley Improvements                                       | \$ 62,660.00  | 20%        | \$ 12,532.00  | \$ 2,088.67 | N/A        |  |  |
| Mill & Overlay (Base)                                    | \$ 253,620.00 | 0%         | \$ 0.00       | N/A         | N/A        |  |  |
| Mill & Overlay (Opt 3)                                   | \$ 68,225.00  | 0%         | \$ 0.00       | N/A         | N/A        |  |  |

Notes: (1) Minor storm sewer & drainage costs included in street & site totals

(2) Includes main and service costs

(3) A 50% reduction of assessable frontage will be made to side and rear lot frontage

(4) Includes option 1 and 2 sidewalk extensions within 2<sup>nd</sup> Ave NE

A detailed preliminary assessment role is included in Appendix C.

Assessment proceedings (hearings, notices, etc.) for the project would follow the requirements of Chapter 429. Special assessments and the pending special assessment policy will be discussed in additional detail during upcoming meetings. The assessment estimates included in this report are subject to change.

#### VI. PROPOSED SCHEDULE

The following table shows the proposed schedule for the project. The schedule provided is based on summer 2021 construction and is subject to change.

| Table 6 – Project Schedule (Revised 12/  | 21/20)                  |
|--|-------------------------|
| Council Authorize Feasibility Report   | 11/19/2020              |
| Prepare Feasibility Report   | 11/19/2020 – 12/20/2020 |
| Resolution Receiving Report and Calling for Hearing on<br>Improvement                | 12/21/2020              |
| •  | 1/7/2021                |
| Published Notice of Hearing on Improvement   | 1/14/2021               |
| Mailed Notice of Hearing on Improvement  | 1/7/2021                |
| Improvement Hearing  | 1/18/2021               |
| Resolution Ordering Improvement and Preparation of Plans and Specifications          | 1/18/2021               |
| Prepare Plans and Specifications   | 1/19/2021 - 3/29/2021   |
| Resolution Approving Plans and Specifications and Ordering<br>Advertisement for Bids | 4/5/2021                |
|  | 4/8/2021                |
| Advertise for Bids   | 4/15/2021               |
|  | 4/22/2021               |
| Open Bids  | 4/30/2021               |
| Accept Bids & Call for Assessment Hearing  | 5/3/2021                |
| Published Notice for Assessment Hearing  | 5/6/2021                |
| Mailed Notice for Assessment Hearing   | 5/6/2021                |
| Assessment Hearing<br>Resolution Approving Final Assessment Roll, Awarding Contract  | 5/17/2021               |
| Begin Construction   | June 2021               |
| Substantial Completion of Construction   | Fall 2021               |
| Final Completion of Construction   | Spring 2022             |

#### **VII. CONCLUSION AND RECOMENDATIONS**

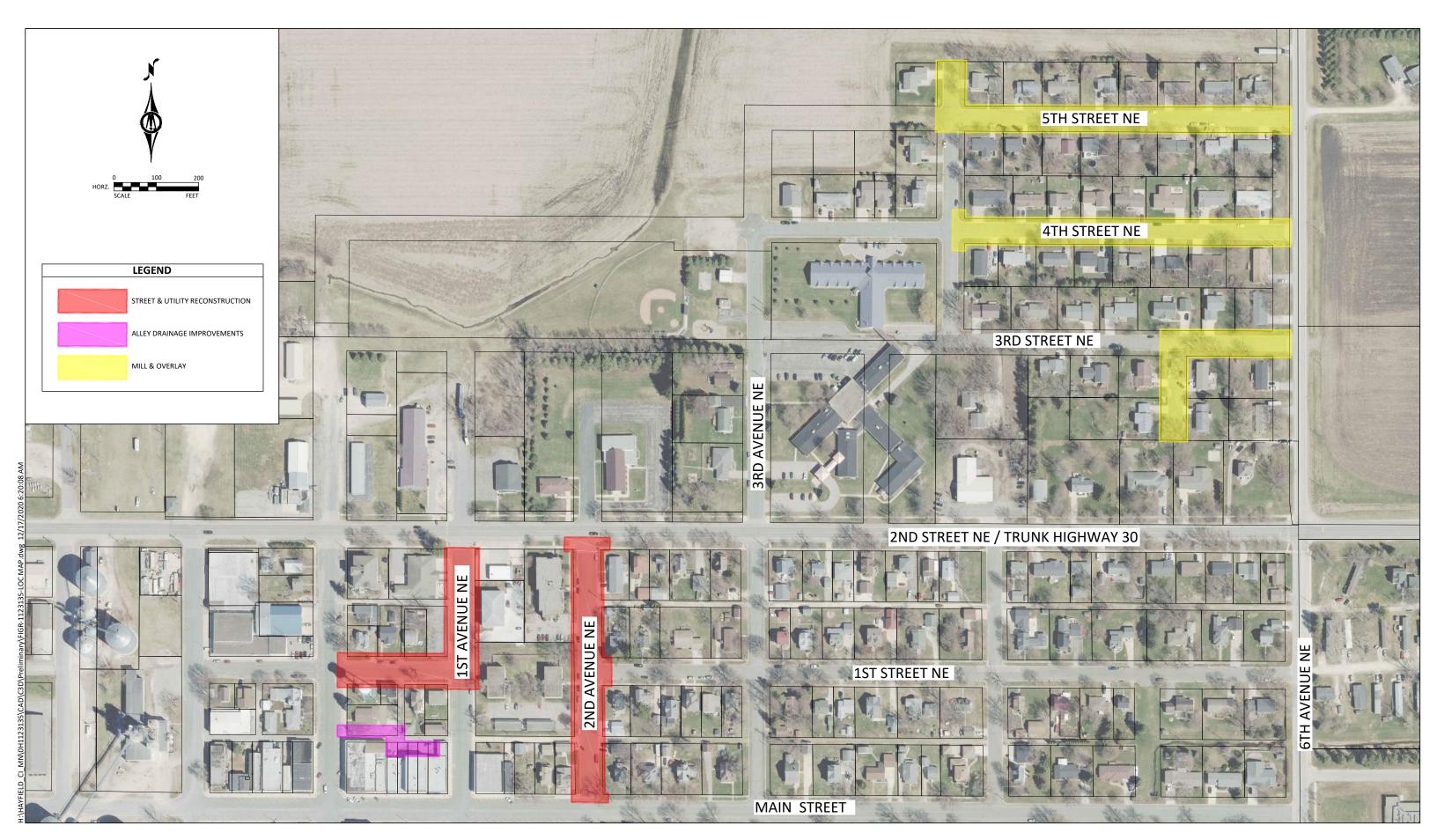
The existing streets and utilities within the project area are deteriorated and in need of repair. Without replacement, maintenance costs will continue to rise, and the infrastructure will ultimately fail. From an engineering standpoint, this project is feasible, cost effective, necessary, and can be best accomplished by letting competitive bids for the work.

We recommend that the Council accept this report and set a date for an improvement hearing for the project.

Prior to the hearing, we recommend the Council discuss and approve a special assessment policy.

Appendix A: Figures

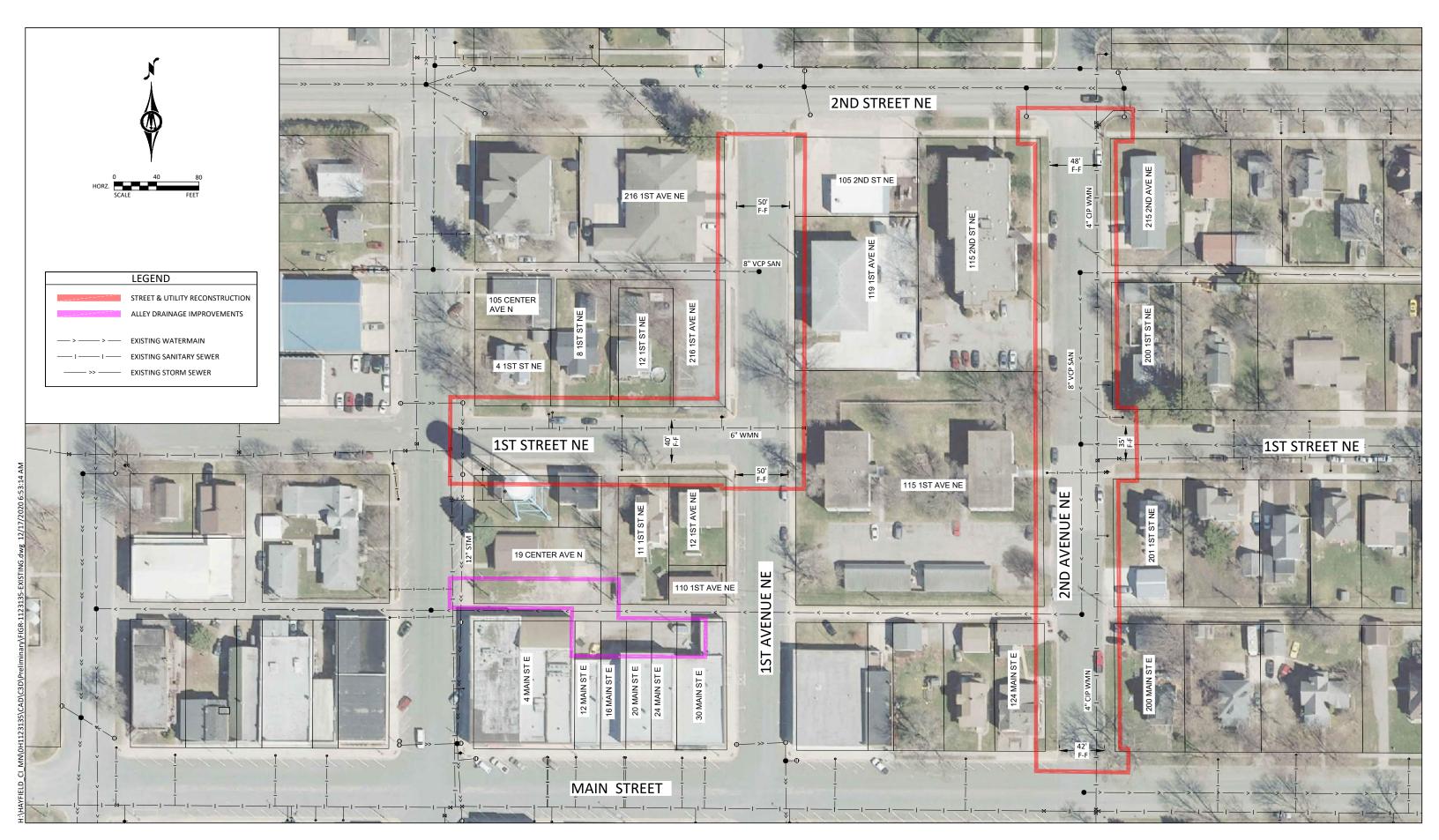
### CITY OF HAYFIELD







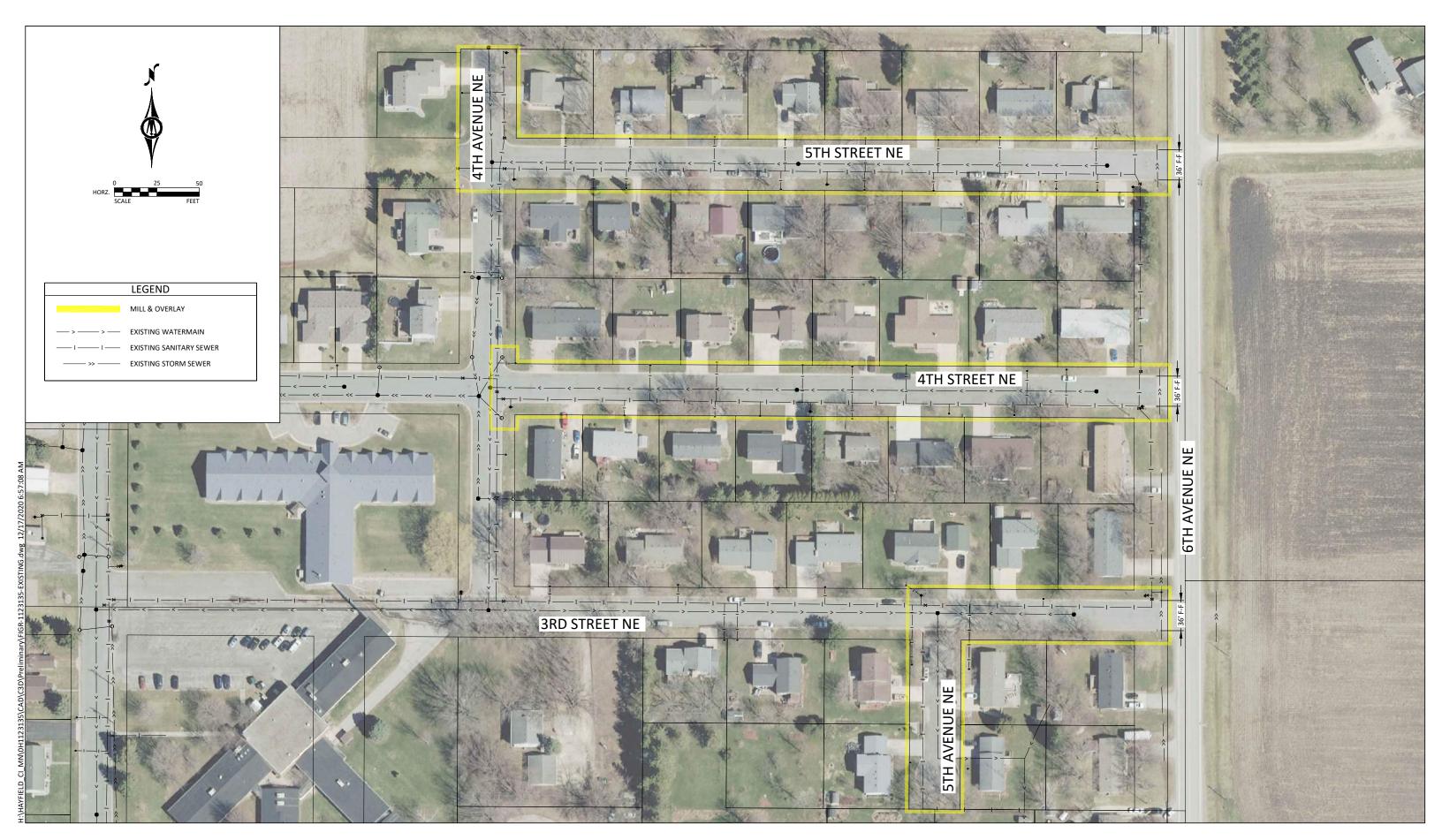
### **CITY OF HAYFIELD**







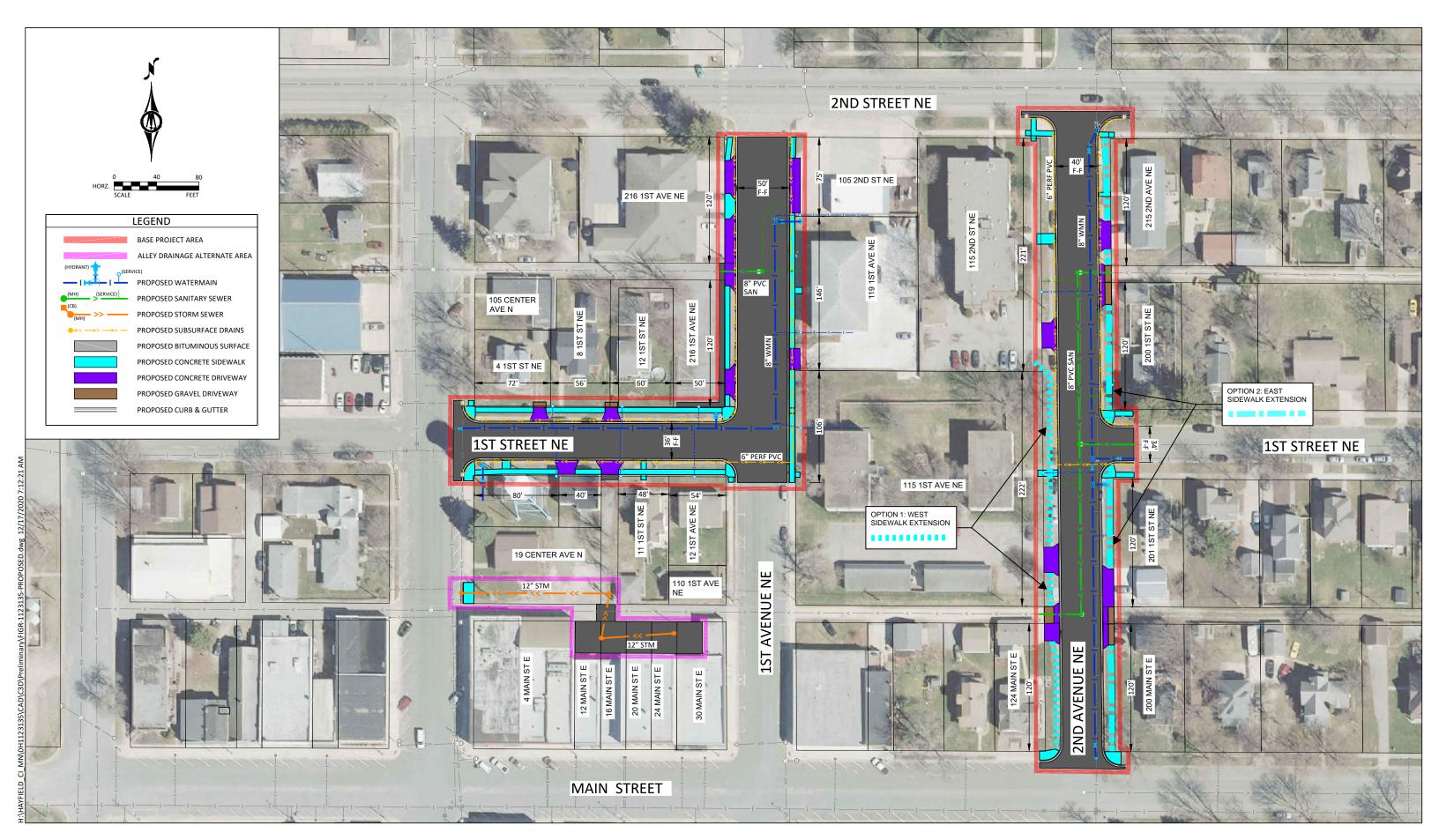
### CITY OF HAYFIELD



# **FIGURE 3: EXISTING CONDITIONS** DECEMBER 2020



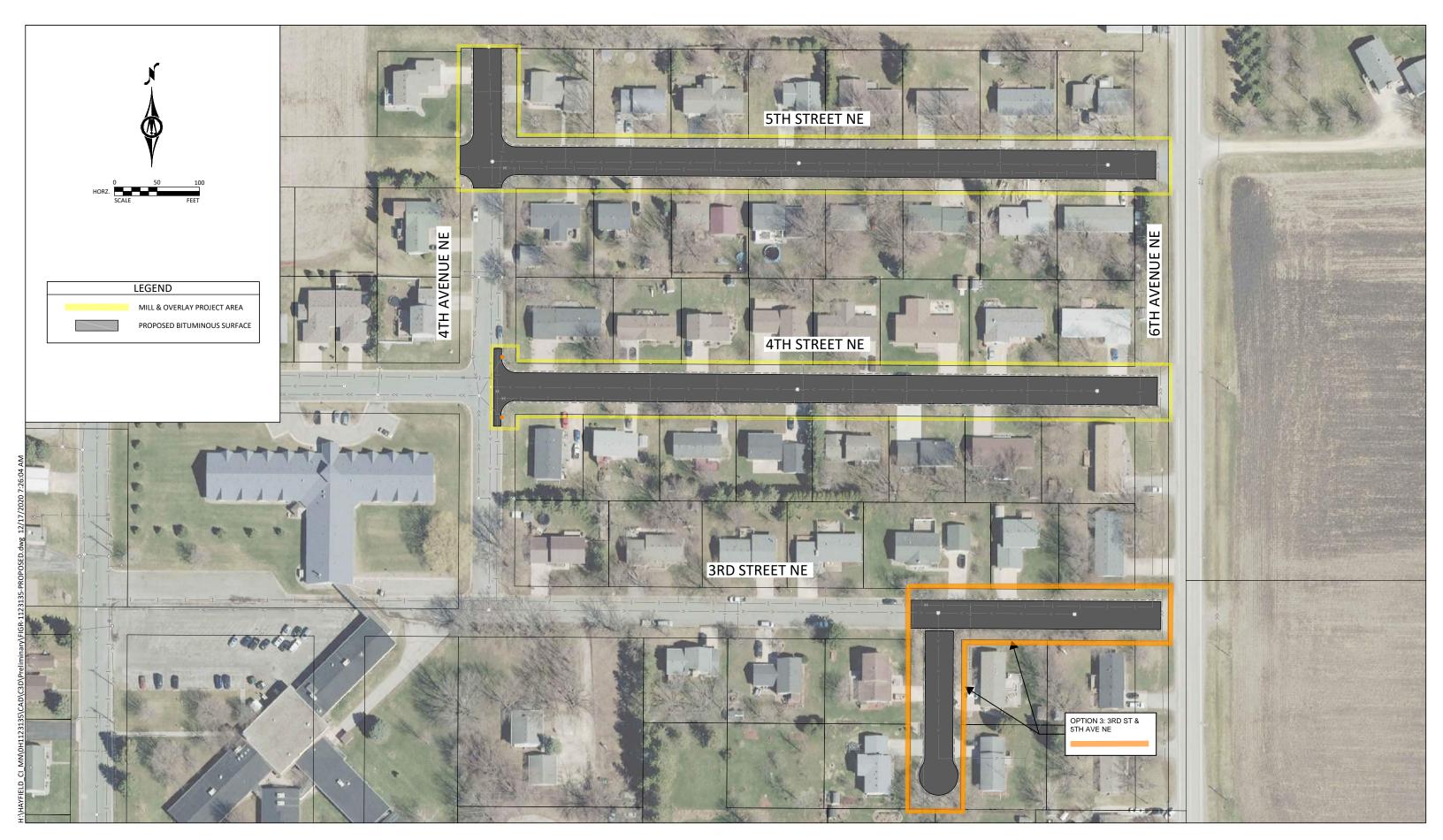
#### **CITY OF HAYFIELD**







### CITY OF HAYFIELD



# FIGURE 5: PROPOSED IMPROVEMENTS DECEMBER 2020



Appendix B: Preliminary Cost Estimates

#### **Appendix B**



#### PRELIMINARY ENGINEER'S ESTIMATE

2021 STREET & UTILITY IMPROVEMENTS CITY OF HAYFIELD, MN BMI PROJECT NO 10H1 123135

BMI PROJECT NO.: 0H1.123135 Updated: 12/17/2020 ITEM NO. ITEM QTY UNIT UNIT PRICE TOTAL STREET & UTILITY RECONSTRUCTION STREET AND SITE \$80,000.00 1 MOBILIZATION 1 LS \$80,000.00 TRAFFIC CONTROL 1 LS \$10,000.00 \$10,000.00 2 TREE TRIMMING / CLEAR & GRUB EA \$800.00 \$14,400.00 3 18 **REMOVE CURB & GUTTER** 4 2480 LF \$3.00 \$7.440.00 5 REMOVE CONCRETE DRIVEWAY 580 SY \$10.00 \$5.800.00 6 REMOVE BITUMINOUS DRIVEWAY 107 SY \$3.00 \$321.00 7 REMOVE CONC WALK 7185 SF \$2.00 \$14,370.00 8 COMMON EXCAVATION (INCLUDING BITUMINOUS) (P) 4630 CY \$13.00 \$60,190.00 9 SUBGRADE EXCAVATION 610 CY \$12.00 \$7,320.00 \$18,300.00 10 STABILIZING AGGREGATE 610 CY \$30.00 11 GEOTEXTILE FABRIC 6340 SY \$2.00 \$12,680.00 12 SELECT GRANULAR BORROW (12") (CV, P) 1780 CY \$20.00 \$35,600.00 AGGREGATE BASE CLASS 5 (8") (CV,P) \$42,600.00 13 1420 CY \$30.00 **BITUMINOUS NON WEAR COURSE (2.5")** 900 TON \$82.800.00 14 \$92.00 **BITUMINOUS WEAR COURSE (1.5")** 15 540 TON \$90.00 \$48,600,00 CONSTRUCT BITUMINOUS DRIVEWAY (4") 15 107 SY \$40.00 \$4,280.00 CONSTRUCT CONCRETE DRIVEWAY (6") 16 610 SY \$73.00 \$44.530.00 17 **B618 CONCRETE CURB & GUTTER** 2480 1 E \$18.00 \$44,640.00 18 4" CONC WALK 5630 SF \$7.00 \$39,410.00 19 6" CONC WALK SF \$16,885.00 1535 \$11.00 TRUNCATED DOMES \$16,500.00 20 300 SF \$55.00 6" PVC UNDERDRAIN 1900 LF 21 \$14.00 \$26,600.00 22 **6" UNDERDRAIN CLEANOUT** 10 EA \$200.00 \$2,000.00 6"X4" SUMP TEE (INCLUDES 12 LF OF 4" PIPE) \$750.00 23 14 EA \$10.500.00 24 AMENDED TOPSOIL BORROW (LV) 370 CY \$30.00 \$11 100 00 25 SEED, FERTILIZE & MULCH (25-151) 2210 SY \$3.00 \$6,630.00 STABILIZED CONTRUCTION EXIT/ENTRANCE 26 LS \$1.500.00 \$1,500.00 1 27 **EROSION & SEDIMENT CONTROL** 1 LS \$15,000.00 \$15,000.00 CONNECT TO EXISTING STORM SEWER 54 4 ΕA \$800.00 \$3,200.00 STORM SEWER CASTING ASSEMBLY 55 \$3.000.00 4 EA \$750.00 ADJUST CASTING & GROUT STRUCTURE 56 4 EA \$1,000.00 \$4,000.00 SUBTOTAL: \$690,196.00 SANITARY SEWER REMOVE SANITARY MANHOLE ΕA \$450.00 \$1,800.00 28 29 CONSTRUCT SANITARY MANHOLE DES 4007C 36 LF \$375.00 \$13,500.00 30 ADJUST SANITARY MANHOLE EA \$300.00 \$1,200.00 4 31 SANITARY SEWER CASTING ASSEMBLY 4 FA \$750.00 \$3,000.00 32 CONNECT TO EXIST SANITARY 4 ΕA \$700.00 \$2,800.00 33 **8" SANITARY SEWER** LF \$22,310.00 485 \$46.00 \$1,500.00 8" X 6" SANITARY WYE \$300.00 34 5 EA 35 **6" SANITARY SEWER** 260 LF \$40.00 \$10,400.00 SUBTOTAL: \$56,510.00 WATERMAIN 36 TEMPORARY WATER SERVICE LS \$5,000.00 \$5,000.00 1 37 REMOVE WATERMAIN PIPE 1050 LF \$5.00 \$5,250.00 38 **REMOVE GATE VALVE & BOX** 6 FA \$250.00 \$1.500.00 39 **REMOVE & SALVAGE HYDRANT** EA 3 \$300.00 \$900.00 40 CONNECT TO EXIST WATERMAIN \$1,000.00 \$4,000.00 4 EA 41 HYDRANT 4 FA \$4,500.00 \$18,000.00 42 6" GATE VALVE & BOX 5 ΕA \$1,500.00 \$7,500.00 8" GATE VALVE & BOX 43 5 EA \$1,800.00 \$9,000.00 44 6" WATERMAIN 70 LF \$50.00 \$3,500.00 45 8" WATERMAIN 1180 1 F \$50.00 \$59,000.00 1" CURB STOP 46 9 EA \$350.00 \$3,150.00 47 **1" CORPORATION STOP** 9 EA \$400.00 \$3,600.00 **1" WATER SERVICE PIPE** LF 48 350 \$30.00 \$10,500.00 49 2" CURB STOP 3 EA \$400.00 \$1,200.00 2" CORPORATION STOP 50 3 ΕA \$450.00 \$1,350.00 51 2" WATER SERVICE PIPE 260 LF \$35.00 \$9,100.00 52 **6" WATER SERVICE PIPE** 50 LF \$50.00 \$2,500.00 WATERMAIN FITTINGS LB \$7,000.00 53 700 \$10.00 SUBTOTAL: \$152,050.00

| CONSTRUCTION SUBTOTAL:                    | \$898,756.00   |
|---|----------------|
| CONSTRUCTION CONTINGENCIES (5%):          | \$44,900.00    |
| CONSTRUCTION COST:                        | \$943,656.00   |
| ESTIMATED ENGINEERING, ADMIN & FINANCING: | \$236,000.00   |
| ESTIMATED RECONSTRUCTION PROJECT TOTAL:   | \$1,179,656.00 |

**Appendix B** 

|   | ELIMINARY ENGINEER'S<br>2021 STREET & UTILITY IMPROVEM<br>CITY OF HAYFIELD, MN<br>BMI PROJECT NO.: 0H1.123135 | ENTS         |                       |                     |
|---|---|--------------|-----------------------|---------------------|
| ITEM  |   |              |                       | Updated: 12/17/2020 |
| NO. ITEM  | QTY   | UNIT         | UNIT PRICE            | TOTAL               |
|   |   |              |                       |                     |
| ALLEY DRAINAGE IMPROVEMENTS<br>STREET AND SITE    |   |              |                       |                     |
| 1 REMOVE CURB & GUTTER                            | 20  | LF           | \$3.00                | \$60.0              |
| 2 REMOVE BITUMINOUS DRIVEWAY                      | 440   | SY           | \$3.00                | \$00.0              |
| 3 REMOVE CONC WALK                                | 200   | SY           | \$2.00                | \$400.0             |
| 4 COMMON EXCAVATION (P)                           | 200 210   | CY           | \$13.00               | \$400.0             |
| 5 GEOTEXTILE FABRIC                               | 440   | SY           | \$2.00                | \$880.0             |
| 6 AGGREGATE BASE CLASS 5 (10") (CV.P)             | 130   | CY           | \$30.00               | \$3,900.0           |
| 7 BITUMINOUS NON WEAR COURSE (1.5")               | 40  | TON          | \$92.00               | \$3,680.0           |
| 8 BITUMINOUS WEAR COURSE (2.5")                   | 70  | TON          | \$90.00               | \$6,300.0           |
| 9 B618 CONCRETE CURB & GUTTER                     | 20  | LF           | \$18.00               | \$360.0             |
| 10 6" CONC WALK                                   | 200   | SF           | \$11.00               | \$2,200.0           |
| 11 TURF ESTABLISHMENT                             | 1   | LS           | \$2,000.00            | \$2,000.0           |
|   |   |              | SUBTOTAL:             | \$23,830.0          |
| STORM SEWER                                       |   |              |                       |                     |
| 12 REMOVE STORM PIPE, ALL SIZES                   | 10  | LF           | \$15.00               | \$150.0             |
| 13 CONNECT TO EXISTING STORM                      | 2   | EA           | \$800.00              | \$1,600.0           |
| 14 CONSTRUCT DRAINAGE MANHOLE, DES 4020 - 48      | 9   | LF           | \$600.00              | \$5,400.0           |
| 15 CONSTRUCT DRAINAGE MANHOLE, DES G              | 9   | LF           | \$400.00              | \$3,600.0           |
| 16 12" PIPE SEWER                                 | 252   | LF           | \$40.00               | \$10,080.0          |
| 17 STORM SEWER CASTING ASSEMBLY                   | 4   | EA           | \$750.00              | \$3,000.0           |
|   |   |              | SUBTOTAL:             | \$23,830.0          |
|   |   | ALLEY CON    | STRUCTION SUBTOTAL:   | \$47,660.0          |
|   |   | CONSTRUCTION | I CONTINGENCIES (5%): | \$2,400.0           |
|   |   | ALLEY        | CONSTRUCTION COST:    | \$50,060.0          |
|   | ESTIMAT   |              | G, ADMIN & FINANCING: | \$12,600.0          |
|   |   | ESTIMATED A  | LLEY PROJECT TOTAL:   | \$62,660.00         |
| MILL & OVERLAY (4th St NE, 5th St NE, 4th Ave NE) |   |              |                       |                     |
| STREET AND SITE                                   |   |              |                       |                     |
| 1 TRAFFIC CONTROL                                 | 1   | LS           | \$5,000.00            | \$5,000.0           |

| 1  | TRAFFIC CONTROL                     | 1    | LS  | \$5,000.00 | \$5,000.00   |
|----|-------------------------------------|------|-----|------------|--------------|
| 2  | TREE TRIMMING / CLEAR & GRUB        | 3    | EA  | \$500.00   | \$1,500.00   |
| 3  | MILL BITUMINOUS PAVEMENT (2")       | 6780 | SY  | \$2.50     | \$16,950.00  |
| 4  | REMOVE CURB & GUTTER                | 350  | LF  | \$20.00    | \$7,000.00   |
| 5  | REMOVE CONCRETE DRIVEWAY            | 10   | SY  | \$20.00    | \$200.00     |
| 6  | REMOVE CONCRETE WALK                | 100  | SF  | \$5.00     | \$500.00     |
| 7  | SUBGRADE EXCAVATION                 | 120  | CY  | \$20.00    | \$2,400.00   |
| 8  | STABILIZING AGGREGATE               | 120  | CY  | \$35.00    | \$4,200.00   |
| 9  | GEOTEXTILE FABRIC                   | 340  | SY  | \$3.00     | \$1,020.00   |
| 10 | BITUMINOUS WEAR COURSE              | 820  | TON | \$85.00    | \$69,700.00  |
| 11 | BITUMINOUS PATCH                    | 1360 | SY  | \$40.00    | \$54,400.00  |
| 12 | B618 CONCRETE CURB & GUTTER         | 350  | LF  | \$30.00    | \$10,500.00  |
| 13 | CONSTRUCT CONCRETE DRIVEWAY (6")    | 10   | SY  | \$70.00    | \$700.00     |
| 14 | 4" CONC WALK                        | 100  | SF  | \$10.00    | \$1,000.00   |
| 15 | AMENDED TOPSOIL BORROW (LV)         | 30   | CY  | \$30.00    | \$900.00     |
| 16 | INLET PROTECTION                    | 4    | EA  | \$250.00   | \$1,000.00   |
| 17 | SEED, FERTILIZE & MULCH (25-151)    | 200  | SY  | \$7.00     | \$1,400.00   |
| 18 | EROSION & SEDIMENT CONTROL          | 1    | LS  | \$2,000.00 | \$2,000.00   |
| 19 | ADJUST SANITARY MANHOLE             | 7    | EA  | \$800.00   | \$5,600.00   |
| 20 | ADJUST GATE VALVE BOX               | 7    | EA  | \$250.00   | \$1,750.00   |
| 21 | REMOVE CATCH BASIN                  | 2    | EA  | \$200.00   | \$400.00     |
| 22 | CONNECT TO EXISTING STORM           | 2    | EA  | \$1,000.00 | \$2,000.00   |
| 23 | CONSTRUCT DRAINAGE MANHOLE, DES R-1 | 2    | EA  | \$800.00   | \$1,600.00   |
| 24 | STORM SEWER CASTING ASSEMBLY        | 2    | EA  | \$700.00   | \$1,400.00   |
|    |                                     |      |     | SUBTOTAL:  | \$193,120.00 |
|    |                                     |      |     |            |              |

| MILL & OVERLAY CONSTRUCTION SUBTOTAL:     | \$193,120.00 |
|---|--------------|
| CONSTRUCTION CONTINGENCIES (5%):          | \$9,700.00   |
| MILL & OVERLAY CONSTRUCTION COST:         | \$202,820.00 |
| ESTIMATED ENGINEERING, ADMIN & FINANCING: | \$50,800.00  |
| ESTIMATED MILL & OVERLAY PROJECT TOTAL:   | \$253,620.00 |

# Appendix B

|  | PRELIMINA | <b>RY ENGINEER'S E</b>                             | STIMATE              |   |                                |
|--|-----------|--|----------------------|---|--------------------------------|
|  | 2021 S    | TREET & UTILITY IMPROVEME                          | NTS                  |   |                                |
| BOLTON<br>& MENK   | DI        | CITY OF HAYFIELD, MN<br>MI PROJECT NO.: 0H1.123135 |                      |   |                                |
|  | DI        | WIPROJECT NO.: UHI. 123135                         |                      |   | Updated: 12/17/2020            |
| ITEM   |           |  |                      |   |                                |
| NO. ITE  | M         | QTY  | UNIT                 | UNIT PRICE                                  | TOTAL                          |
|  |           |  |                      |   |                                |
| OPTION 1: 2ND AVE NE WEST SIDEWALK EXT                                       | ENSION    | 2  | FAOL                 | ¢000.00                                     | ¢0,400,00                      |
| 1 TREE TRIMMING / CLEAR & GRUB<br>2 COMMON EXCAVATION                        |           | 3 60   | EACH<br>CY           | \$800.00<br>\$12.00                         | \$2,400.00<br>\$720.00         |
| 3 4" CONC WALK   |           | 1820   | SF                   | \$7.00                                      | \$12,740.00                    |
| 3 4 CONCIVALIN   |           | 1020   | 01                   | SUBTOTAL:                                   | \$15,860.00                    |
|  |           |  |                      |   |                                |
|  |           |  |                      | STRUCTION SUBTOTAL:                         | \$15,860.00                    |
|  |           | L. L           |                      | CONTINGENCIES (5%):<br>CONSTRUCTION COST:   | \$800.00<br><b>\$16,660.00</b> |
|  |           | ESTIMATE   |                      | G, ADMIN & FINANCING:                       | \$4,200.00                     |
|  |           |  |                      | ON 1 PROJECT TOTAL:                         | \$20,860.00                    |
|  |           |  |                      |   | . ,                            |
| OPTION 2: 2ND AVE NE EAST SIDEWALK EXTE                                      | NSION     |  |                      |   |                                |
| 1 TREE TRIMMING / CLEAR & GRUB   |           | 6  | EACH                 | \$800.00                                    | \$4,800.00                     |
| 2 COMMON EXCAVATION  |           | 100  | CY                   | \$12.00                                     | \$1,200.00                     |
| 3 4" CONC WALK   |           | 3030   | SF                   | \$7.00                                      | \$21,210.00                    |
|  |           |  |                      | SUBTOTAL:                                   | \$27,210.00                    |
|  |           |  |                      | STRUCTION SUBTOTAL:                         | \$27,210.00                    |
|  |           |  |                      | CONTINGENCIES (5%):                         | \$27,210.00                    |
|  |           | C. C           |                      | CONSTRUCTION COST:                          | \$28,610.00                    |
|  |           | ESTIMATE   |                      | G, ADMIN & FINANCING:                       | \$7,200.00                     |
|  |           |  |                      | ON 2 PROJECT TOTAL:                         | \$35,810.00                    |
| OPTION 3: 3RD ST & 5TH AVE NE MILL & OVER<br>1 MILL BITUMINOUS PAVEMENT (2") | RLAY      | 1910   | SY                   | \$2.50                                      | \$4,775.00                     |
| 2 REMOVE CURB & GUTTER   |           | 90   | LF                   | \$20.00                                     | \$1,800.00                     |
| 3 SUBGRADE EXCAVATION  |           | 40   | CY                   | \$20.00                                     | \$800.00                       |
| 4 STABILIZING AGGREGATE  |           | <u>40</u><br>100                                   | CY<br>SY             | \$35.00                                     | \$1,400.00                     |
| 5 GEOTEXTILE FABRIC<br>6 BITUMINOUS WEAR COURSE                              |           | 230  | TON                  | \$3.00<br>\$85.00                           | \$300.00<br>\$19,550.00        |
| 7 BITUMINOUS PATCH   |           | 390  | SY                   | \$40.00                                     | \$15,600.00                    |
| 8 B618 CONCRETE CURB & GUTTER  |           | 90   | LF                   | \$30.00                                     | \$2,700.00                     |
| 9 AMENDED TOPSOIL BORROW (LV)  |           | 10   | CY                   | \$30.00                                     | \$300.00                       |
| 10 INLET PROTECTION  |           | 2  | EA                   | \$250.00                                    | \$500.00                       |
| 11 SEED, FERTILIZE & MULCH (25-151)  |           | 50   | SY                   | \$7.00                                      | \$350.00                       |
| 12 EROSION & SEDIMENT CONTROL  |           | 1  | LS                   | \$2,000.00                                  | \$2,000.00                     |
| 13 ADJUST SANITARY MANHOLE   |           | 2  | EA                   | \$800.00                                    | \$1,600.00                     |
| 14 ADJUST GATE VALVE BOX   |           | 1  | EA                   | \$250.00                                    | \$250.00                       |
|  |           |  |                      | SUBTOTAL:                                   | \$51,925.00                    |
|  |           |  | OPTION 3 CONS        | STRUCTION SUBTOTAL:                         | \$51,925.00                    |
|  |           | C  |                      | CONTINGENCIES (5%):                         | \$2,600.00                     |
|  |           |  |                      | CONSTRUCTION COST:                          | \$54,525.00                    |
|  |           |  |                      | G, ADMIN & FINANCING:                       | \$13,700.00                    |
|  |           | E  | STIMATED OPTI        | ON 3 PROJECT TOTAL:                         | \$68,225.00                    |
|  |           |  |                      |   |                                |
| TOTAL PROJECT COST SUMMARY   |           |  |                      |   |                                |
|  |           | ESTIMATED  |                      | TION PROJECT TOTAL:                         | \$1,179,656.00                 |
|  |           | ГОТИЛА   |                      |   | \$62,660.00<br>\$253,620.00    |
|  |           |  |                      | RLAY PROJECT TOTAL:<br>ION 1 PROJECT TOTAL: | \$253,620.00<br>\$20,860.00    |
|  |           |  |                      | ION 2 PROJECT TOTAL:                        | \$20,860.00<br>\$35,810.00     |
|  |           |  |                      | ION 3 PROJECT TOTAL:                        | \$68,225.00                    |
|  |           |  |                      |   |                                |
|  |           | TOTAL PRO  | DJECT COST <u>WI</u> | <u>THOUT</u> OPTION 1,2 & 3:                | \$1,495,936.00                 |

 TOTAL PROJECT COST WITH OPTION 1,2 & 3:
 \$1,620,831.00

Appendix C: Preliminary Assessment Role

# BOLTON & MENK

### PRELIMINARY ASSESSMENT ROLL REVISED 12/21/2020

2021 STREET & UTILITY IMPROVEMENTS CITY OF HAYFIELD, MN BMI PROJECT NO.: 0H1.123135

|   |                        |                            |                           |              | BINI PROJECT NO.: 0H1.123135 |                        |                      |                      |                        |                                |                   |                         |  |                      |                     |                     | Up                   | odated: 12-21-2020   |
|---|------------------------|----------------------------|---------------------------|--------------|------------------------------|------------------------|----------------------|----------------------|------------------------|--------------------------------|-------------------|-------------------------|--|----------------------|---------------------|---------------------|----------------------|----------------------|
|   | EPONT                  |                            | FRONTAGE                  | SIDE         | EXCESS                       | STREET & SITE          |                      | COST                 | SIDEWALK               |                                | SANIT             | ARY SEWER<br>COST       | WATERMAIN<br>ASSESSABLE COST   |                      | ALLEY               |                     | TOTAL<br>PRELIMINARY | CITY COST            |
| PROPERTY OWNER  | PARCEL I.D.            | ADDRESS                    | FRONTAGE                  | FRONTAGE     | FRONTAGE                     | FRONTAGE               | (CITY)               | (PROP OWNER)         | ASSESSABLE<br>FRONTAGE | COST<br>(PROP OWNER)           | LOT               | (PROP OWNER)            | LOT  | COST<br>(PROP OWNER) | ASSESSABLE<br>LOT   | ALLEY<br>ASSESSMENT | ASSESSMENT           | 011 0031             |
|   |                        |                            |                           |              | COST PER FOOT (1) = \$77.02  |                        |                      |                      | COST PER               | COST FERED                     |                   |                         | COST PER LOT (3) (A)= \$1,870.16<br>COST PER LOT (3) (B)= \$3,433.06 |                      |                     |                     |                      |                      |
|   |                        |                            |                           |              |                              |                        | ST PER FOOT (1) =    | = \$77.02            | 1001(2)=               | \$23.00                        | (3) =             | \$2,472.39              | COST PER LOT (3) (B)-  | \$3,433.06           | PER LOT (4) =       | \$2,000.07          |                      |                      |
| TIZENS STATE BANK   | 231000100              | 216 1ST AVE NE             | 120.00                    | 0            | 0.00                         | 120.00                 | \$0.00               | \$9,242.55           | 120.00                 | \$2,839.50                     | 0                 | \$0.00                  | А  | \$1,870.16           |                     |                     | \$13,952.20          | \$0.00               |
| ASEY C CATES<br>NGELA L CATES                               | 231000120              | 4 1ST ST NE                | 72.00                     | 0            | 0.00                         | 72.00                  | \$0.00               | \$5,545.53           | 72.00                  | \$1,703.70                     | 0                 | \$0.00                  | 0  | \$0.00               |                     |                     | \$7,249.23           | \$0.00               |
| RACY S ANDERSON<br>ENAE BAKKE                               | 231000190              | 8 1ST ST NE                | 56.00                     | 0            | 0.00                         | 56.00                  | \$0.00               | \$4,313.19           | 56.00                  | \$1,325.10                     | 0                 | \$0.00                  | А  | \$1,870.16           |                     |                     | \$7,508.45           | \$0.00               |
| NA GODINEZ  | 231000200              | 12 1ST ST NE               | 59.60                     | 0            | 0.00                         | 59.60                  | \$0.00               | \$4,590.47           | 59.60                  | \$1,410.28                     | 0                 | \$0.00                  | А  | \$1,870.16           |                     |                     | \$7,870.91           | \$0.00               |
| TIZENS STATE BANK   | 231000100              | 216 1ST AVE NE             | 120.00                    | 50           | 25.00                        | 145.00                 | \$1,925.53           | \$11,168.08          | 145.00                 | \$3,431.06                     | 0                 | \$0.00                  | 0  | \$0.00               |                     |                     | \$14,599.14          | \$1,925.53           |
|   | 231001850              | 1ST ST NE                  | 0.00                      | 80           | 40.00                        | 40.00                  | \$3,080.85           | \$3,080.85           | 40.00                  | \$946.50                       | 0                 | \$0.00                  | 0  | \$0.00               |                     |                     | \$4,027.35           | \$3,080.85           |
| KD PROPERTIES LLC<br>ANDY L & KATHY A DEMMER<br>HARLES ROOT | 231001860              | 1ST ST NE                  | 40.00                     | 0            | 0.00                         | 40.00                  | \$0.00               | \$3,080.85           | 40.00                  | \$946.50                       | 0                 | \$0.00                  | А  | \$1,870.16           |                     |                     | \$5,897.51           | \$0.00               |
| ARBARA ROOT   | 231001830              | 11 1ST ST NE               | 48.00                     | 0            | 0.00                         | 48.00                  | \$0.00               | \$3,697.02           | 48.00                  | \$1,135.80                     | 0                 | \$0.00                  | A  | \$1,870.16           |                     |                     | \$6,702.98           | \$0.00               |
| ITIZENS TELECOMMUNICATIONS CO<br>RONTIER COMMUNICATIONS FOR |                        |                            |                           |              |                              |                        |                      |                      |                        |                                |                   |                         |  |                      |                     |                     |                      |                      |
| IN  | 231001810              | 12 1ST AVE NE              | 53.60                     | 0            | 0.00                         | 53.60                  | \$0.00               | \$4,128.34           | 53.60                  | \$1,268.31                     | 0                 | \$0.00                  | A  | \$1,870.16           |                     |                     | \$7,266.81           | \$0.00               |
| ERSPICA CORPORATION   | 231001811              | 110 1ST AVE NE             |                           | 0            | 0.00                         | 0.00                   | \$0.00               | \$0.00               | 0.00                   | \$0.00                         | 0                 | \$0.00                  | 0  | \$0.00               | 0                   | \$0.00              | \$0.00               | \$0.00               |
| IICHAEL P STEVENS<br>AMERA K STEVENS                        | 230220200              | 105 2ND ST NE              | 0.00                      | 75           | 37.50                        | 37.50                  | \$2,888.30           | \$2,888.30           | 37.50                  | \$887.34                       | 1                 | \$2,472.39              | А  | \$1,870.16           |                     |                     | \$8,118.19           | \$2,888.30           |
| RIGHT AVENUE REAL ESTATE LLC                                | 230220300              | 119 1ST AVE NE             | 146.00                    | 0            | 0.00                         | 146.00                 | \$0.00               | \$11,245.10          | 146.00                 | \$3,454.72                     | 1                 | \$2,472.39              | В  | \$3,433.06           |                     |                     | \$20,605.27          | \$0.00               |
| AYFIELD ELDERLY HOUSING INC                                 |                        |                            |                           |              |                              |                        |                      |                      |                        |                                |                   |                         |  |                      |                     |                     |                      |                      |
| ARAMARK REAL ESTATE SERVICES                                | 230220100              | 115 2ND ST NE              |                           | 221          | 110.50                       | 110.50                 | \$8,510.85           | \$8,510.85           | 0.00                   | \$0.00                         | 1                 | \$2,472.39              | В  | \$3,433.06           |                     |                     | \$14,416.30          | \$8,510.85           |
| AYFIELD GREENS PARTNERSHIP<br>HREE RIVERS COMMUNITY ACTION  | 230220400              | 115 1ST AVE NE             | 106.00                    | 0            | 0.00                         | 106.00                 | \$0.00               | \$8,164.25           | 112.00                 | \$2,650.20                     |                   | \$0.00                  | в  | \$3,433.06           |                     |                     | \$14,247.51          | \$0.00               |
|   | 230220400              |                            | 100.00                    | 0            | 0.00                         | 100.00                 | \$0.00               | \$6,104.25           | 112.00                 | \$2,000.20                     |                   | \$0.00                  | В  | \$3,433.00           |                     |                     | \$14,247.31          | \$0.00               |
| AYFIELD GREENS PARTNERSHIP<br>HREE RIVERS COMMUNITY ACTION  | 230220400              | 115 1ST AVE NE             | 0.00                      | 222          | 111.00                       | 111.00                 | \$8,549.36           | \$8,549.36           | 111.00                 | \$2,626.53                     | 1                 | \$2,472.39              | В  | \$3,433.06           |                     |                     | \$17,081.34          | \$8,549.36           |
| ARED R HOLTAN   | 236760530              | 124 MAIN ST E              | 0.00                      | 120          | 60.00                        | 60.00                  | \$4,621.28           | \$4,621.28           | 60.00                  | \$1,419.75                     | 0                 | \$0.00                  | 0  | \$0.00               |                     |                     | \$6,041.02           | \$4,621.28           |
| OWELL G BAKKEDAHL<br>ARBARA A BAKKEDAHL                     | 236760130              | 215 2ND AVE NE             | 120.00                    | 0            | 0.00                         | 120.00                 | \$0.00               | \$9,242.55           | 120.00                 | \$2,839.50                     | 0                 | \$0.00                  | 0  | \$0.00               |                     |                     | \$12,082.05          | \$0.00               |
| ETH SNELL   | 236760150              | 200 1ST ST NE              | 0.00                      | 120          | 60.00                        | 60.00                  | \$4,621.28           | \$4,621.28           | 60.00                  | \$1,419.75                     | 1                 | \$2,472.39              | А  | \$1,870.16           |                     |                     | \$10,383.57          | \$4,621.28           |
| ACHARY WYANT<br>SHLEY WYANT                                 | 236760380              | 201 1ST NE                 | 0.00                      | 120          | 60.00                        | 60.00                  | \$4,621.28           | \$4,621.28           | 60.00                  | \$1,419.75                     |                   | \$0.00                  | А  | \$1,870.16           |                     |                     | \$7.911.18           | \$4,621.28           |
| ONALD RUD   | 236760400              | 200 MAIN ST E              | 0.00                      | 120          | 60.00                        | 60.00                  | \$4,621.28           | \$4,621.28           | 60.00                  | \$1,419.75                     | 0                 | \$0.00                  | 0  | \$0.00               |                     |                     | \$6,041.02           | \$4,621.28           |
| ITY EXCESS FRONTAGE   | N/A                    | N/A                        | 0.00                      | 120          | 0.00                         | 00.00                  | \$0.00               | \$0.00               | 00.00                  | \$0.00                         | 1                 | \$2,472.39              | A (5)  | \$9,350.79           |                     |                     | \$0.00               | \$11,823.18          |
| AKESIDE PROPERTIES OF AUSTIN<br>LC                          | 231001900              | 4 MAIN ST E                |                           |              | 0.00                         | 0.00                   | \$0.00               | \$0.00               |                        |                                |                   |                         |  |                      | 1                   | \$2,088.67          | \$2,088.67           | \$0.00               |
| JP PROPERTIES LLC   | 231001950              | 12 MAIN ST E               |                           |              | 0.00                         | 0.00                   | \$0.00               | \$0.00               |                        |                                |                   |                         |  |                      | 1                   | \$2,088.67          | \$2,088.67           | \$0.00               |
| OUGLAS A JAX<br>EBECCA R JAX                                | 231001960              | 16 MAIN ST E               |                           |              | 0.00                         | 0.00                   | \$0.00               | \$0.00               |                        |                                |                   |                         |  |                      | 1                   | \$2,088.67          | \$2,088.67           | \$0.00               |
| ONALD L FJERSTAD<br>ERRY L FJERSTAD                         | 231001970              | 20 MAIN ST E               |                           |              | 0.00                         | 0.00                   | \$0.00               | \$0.00               |                        |                                |                   |                         |  |                      | 1                   | \$2,088.67          | \$2,088.67           | \$0.00               |
| ONALD L FJERSTAD<br>ERRY L FJERSTAD                         | 231001980              | 24 MAIN ST E               |                           |              | 0.00                         | 0.00                   | \$0.00               | \$0.00               |                        |                                |                   |                         |  |                      | 1                   | \$2,088.67          | \$2,088.67           | \$0.00               |
| EDAR CREEK CHURCH   | 231001980              | 30 MAIN ST E               |                           |              | 0.00                         | 0.00                   | \$0.00               | \$0.00               |                        |                                |                   |                         |  |                      | 1                   | \$2,088.67          | \$2,088.67           | \$0.00               |
| OTALS   |                        |                            | 941                       | 1128         | 564                          | 1505                   | \$43,439.99          | \$115,932.39         | 1401                   | \$33,144.02                    | 6                 | \$14,834.36             | 18   | \$39,914.44          | 6                   | \$12,532.00         | \$204,534.03         | \$55,263.17          |
| SSESSMENT SUMMARY   |                        |                            |                           |              |                              |                        |                      |                      |                        |                                |                   |                         |  |                      | SUMMARY             | OF CITY COST        | S                    |                      |
|   | PERCENTAGE<br>ASSESSED |                            | OVERSIZING<br>ADJUSTMENTS |              | ASSESSABLE<br>COST           | ASSESSABLE<br>FRONTAGE | # ASSESSABLE<br>LOTS | COST PER<br>FRONTAGE | COST PER<br>LOT        | NOTEO                          |                   |                         |  |                      |                     |                     |                      | CODT                 |
| EM<br>TREET & SITE  | 20%                    | TOTAL COST<br>\$796,861.91 | ADJUSTIVIENTS             | \$159,372.38 | \$637,489.53                 | 2069                   | N/A                  | \$77.02              | N/A                    | NOTES:<br>(1) Cost includes as | sessment per from | ntage for street & site | curb & gutter, outwalks , a  | nd storm sewer       | ITEM<br>NON-ASSESSA | BLE STREET & SITE   |                      | COST<br>\$637,489.53 |
|   | 20%                    | \$165,720,10               |                           | \$22,144,02  | \$122,576,09                 | 1401                   | N/A                  | \$22.66              | N/A                    | . ,                            |                   | •                       | uk including options 1.8.2   |                      |                     |                     |                      | \$122 576 09         |

| ITEM                          | ASSESSED | TOTAL COST     | ADJUSTMENTS |              | COST           | FRONTAGE | # ASSESSABLE<br>LOTS | FRONTAGE | LOT        | NOTES:   |
|-------------------------------|----------|----------------|-------------|--------------|----------------|----------|----------------------|----------|------------|--|
| STREET & SITE                 | 20%      | \$796,861.91   |             | \$159,372.38 | \$637,489.53   | 2069     | N/A                  | \$77.02  | N/A        | (1) Cost includes assessment per frontage for street & site, curb & gutter, outwalks , and s |
| SIDEWALK                      | 20%      | \$165,720.10   |             | \$33,144.02  | \$132,576.08   | 1401     | N/A                  | \$23.66  | N/A        | (2) Cost includes assessment per frontage for public sidewalk including options 1 & 2.       |
| SANITARY SEWER                | 20%      | \$74,171.81    |             | \$14,834.36  | \$59,337.45    | N/A      | 6                    | N/A      | \$2,472.39 | (3) Cost noted includes assessment for utility main & service                                |
| WATERMAIN & 1" SERVICE        | 20%      | \$130,911.03   |             | \$26,182.21  | \$104,728.82   | N/A      | 14                   | N/A      | \$1,870.16 | (4) Alley Assessment includes surface and storm sewer improvments                            |
| WATERMAIN & OVERSIZE SERVICE  | 20%      | \$68,661.15    |             | \$13,732.23  | \$54,928.92    | N/A      | 4                    | N/A      | \$3,433.06 |  |
| ALLEY DRAINAGE IMPROVEMENTS   | 20%      | \$62,660.00    |             | \$12,532.00  | \$50,128.00    | N/A      | 6                    | N/A      | \$2,088.67 | (A) Standard 1" water service line   |
| MILL & OVERLAY                | 0%       | \$253,620.00   |             | \$0.00       | \$253,620.00   | N/A      | N/A                  | N/A      | N/A        | (B) Oversized water service line   |
| OPTION 3: 3RD ST & 5TH AVE NE | 0%       | \$68,225.00    |             | \$0.00       | \$68,225.00    | N/A      | N/A                  | N/A      | N/A        |  |
| PROJECT TOTALS                | -        | \$1,620,831.00 |             | \$259,797.20 | \$1,361,033.80 | -        | -                    | -        | -          |  |

# Appendix C

| SUMMARY OF CITY COSTS             |               |
|-----------------------------------|---------------|
| ITEM                              | COST          |
| NON-ASSESSABLE STREET & SITE      | \$637,489.53  |
| NON-ASSESSABLE SIDEWALK           | \$132,576.08  |
| NON-ASSESSABLE SANITARY SEWER     | \$59,337.45   |
| NON ASSESSABLE WATER              | \$159,657.74  |
| NON-ASSESSABLE ALLEY IMPROVEMENTS | \$50,128.00   |
| MILL & OVERLAY                    | \$253,620.00  |
| OPTION 3: 3RD ST & 5TH AVE NE     | \$68,225.00   |
| EXCESS FRONTAGE                   | \$55,263.17   |
| CITY-OWNED LOT ASSESSMENT         | \$4,027.35    |
| TOTAL CITY COSTS                  | \$1,420,324.3 |