

**City of Ramsey**  
**Agenda**  
**Public Works Committee**  
**Tuesday, August 18, 2020**  
**5:30 pm**  
**Lake Itasca Room, 7550 Sunwood Drive NW**

1. **Call to Order**
2. **Citizen Input**
3. **Approve Agenda**
4. **Approve Minutes**
  1. Approve the following meeting minutes.
    1. Public Works Committee meeting dated July 21, 2020.
5. **Committee Business**
  1. Consider Recommendation to City Council Authorizing Requests for Quotes for 16660 Jasper Street Drainage Improvements, Improvement Project 19-13
  2. Consider Recommendation to City Council Authorizing Requests for Quotes for 5751 164th Lane Drainage Improvements, Improvement Project 19-17
  3. Consider Recommendation to City Council Authorizing Requests for Quotes for 9591 Inverness Lane Drainage Improvements, Improvement Project 20-08
6. **Committee/Staff Input**
  1. Receive Staff Updates on Improvement Projects, Studies and Items of Interest
  2. Review Future Topics Calendar
7. **Adjournment**

**Public Works Committee**

4. 1.

**Meeting Date:** 08/18/2020

**Submitted For:** Grant Riemer, Engineering/Public Works

**By:** MaryJo Warner, Engineering/Public Works

**Title:**

Approve the following meeting minutes.

1. Public Works Committee meeting dated July 21, 2020.

**Purpose/Background:**

Purpose: To review and approve meeting minutes.

Background: Attached are the meeting minutes for review.

**Timeframe:**

5 minutes.

**Observations/Alternatives:**

n/a

**Funding Source:**

n/a

**Recommendation:**

To review and approve meeting minutes dated July 21, 2020.

**Action:**

Motion to approve meeting minutes dated July 21, 2020.

**Attachments**

Minutes

**Form Review**

Inbox	Reviewed By	Date
Grant Riemer	Grant Riemer	08/13/2020 01:22 PM
Kurt Ulrich	MaryJo Warner	08/13/2020 02:02 PM
Form Started By: MaryJo Warner		Started On: 08/13/2020 08:53 AM
Final Approval Date: 08/13/2020		

**PUBLIC WORKS COMMITTEE  
CITY OF RAMSEY  
ANOKA COUNTY  
STATE OF MINNESOTA**

The Public Works Committee conducted a regular meeting on Tuesday, July 21, 2020, at the Ramsey Municipal Center, 7550 Sunwood Drive NW, Ramsey, Minnesota.

Members Present:     Chairperson Mark Kuzma  
                              Councilmember Jeff Menth  
                              Councilmember Chris Riley

Also Present:         Public Works Superintendent Grant Riemer  
                              City Engineer Bruce Westby  
                              City Administrator Kurt Ulrich

**1.     CALL TO ORDER**

Chairperson Kuzma called the regular meeting of the Public Works Committee to order at 5:30 p.m.

**2.     CITIZEN INPUT**

There was none.

**3.     APPROVE AGENDA**

Motion by Councilmember Menth, seconded by Councilmember Riley, to approve the agenda, as presented.

Motion carried. Voting Yes: Chairperson Kuzma, Councilmembers Menth and Riley. Voting No: None.

**4.     APPROVE MINUTES**

**4.01: Approve June 16, 2020, Meeting Minutes**

Motion by Councilmember Riley, seconded by Councilmember Menth, to approve the following minutes:

Regular Meeting Minutes dated June 16, 2020

Motion carried. Voting Yes: Chairperson Kuzma, Councilmembers Menth and Riley. Voting No: None.

**5.     COMMITTEE BUSINESS**

There was none.

## **6. COMMITTEE / STAFF INPUT**

### **6.01: Staff Updates on Improvement Projects and Items of Interest**

City Engineer Westby provided a brief update on current and proposed City, County and MnDOT improvement projects, studies and other items of interest to the Committee.

Councilmember Riley asked when staff begins planning for the projects for the next year, to ensure that all projects can be completed.

City Engineer Westby stated that staff has already begun collecting survey data on Riverdale Drive between Sunfish Lake Boulevard and Feldspar Street, which is designated for reconstruction in 2021 per the current Capital Improvement Plan. However, City Engineer Westby reminded the Committee that Staff plans to complete a comprehensive revision of the CIP this summer based on the ground penetrating radar data recently received, which may need to be augmented with data from additional pavement cores.

Councilmember Riley referenced 167<sup>th</sup>, which is in bad shape, and asked when that road is scheduled for repair.

City Engineer Westby replied that 167<sup>th</sup> Avenue was previously scheduled for a mill and overlay in 2027 or 2028, but is now past the point of a mill and overlay and may be moved up to a full reconstruction in 2022 or 2023.

Councilmember Riley referenced the segment of Waco between Sunwood and 150<sup>th</sup> and asked if there is an answer for repairing that segment.

City Engineer Westby stated that he has spoken with residents in that area in the past and provided information to one resident on how residents could move that project forward through the petition process. He stated that segment is very wide and therefore if reconstructed, could be narrowed to match the widths of the adjacent segments. He stated that there is no reason the segment has not been reconstructed, outside of the fact that there are roads in worse shape.

Chairperson Kuzma stated that perhaps funds could be found to complete that one block.

City Engineer Westby replied that it is on the radar of staff and will be considered while revising the CIP this summer.

### **6.02: Review Future Topics Calendar**

City Engineer Westby highlighted the future topics calendar.

## **7. ADJOURNMENT**

Motion by Councilmember Riley, seconded by Councilmember Menth, to adjourn the Public Works Committee meeting.

Motion carried.

The regular meeting of the Public Works Committee adjourned at 5:50 p.m.

Respectfully submitted,

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Grant Riemer  
Public Works Superintendent

Drafted by Amanda Staple  
*TimeSaver Off Site Secretarial, Inc.*

**Public Works Committee**

**5. 1.**

**Meeting Date:** 08/18/2020

**By:** Bruce Westby, Engineering/Public Works

**Title:**

Consider Recommendation to City Council Authorizing Requests for Quotes for 16660 Jasper Street Drainage Improvements, Improvement Project 19-13

**Purpose/Background:**

**Purpose:**

The purpose of this case is to consider a recommendation to City Council authorizing Requests for Quotes for 16660 Jasper Street Drainage Improvements, Improvement Project 19-13.

**Background:**

The property owner at 16660 Jasper Street first contacted Staff regarding general drainage concerns when the Brookfield residential development planning process began. The property owner was generally concerned that stormwater runoff would no longer be able to freely drain from the northwest corner of his property to the west as it had always done. At the time, the property owner was assured that the new development could and would not negatively impact drainage from his property.

When Brookfield 2nd Addition was constructed, the property owner informed Staff that when grading was completed for the new home at 16725 Limonite Street NW, stormwater runoff was blocked from freely draining from the northwest corner of his lot. Attached are the As-built Certificate and Modified Certificate of Survey for 16725 Limonite Street NW (Lot 1, Block 5 Brookfield 2nd Addition), as well as contours for this and surrounding properties both pre and post development. Based on the modified Certificate of Survey, drainage of the low point was proposed to be accommodated across the rear of Lot 1, Block 5 by grading a drainage swale with a 2% longitudinal slope, which was staked for construction on November 19, 2007, as called out in note 8 but was never graded.

Staff has been working with Capstone Homes and the property owner at 16660 Jasper Street to resolve this issue for many, many years. In 2018, Capstone Homes informed City Staff that they did not think it was reasonable to ask Capstone to be responsible for this issue based on the length of time that had passed and that the as-built was apparently approved. Since then, City Staff developed the attached plan to resolve this drainage issue, which the property owner has reviewed and approved. In summary, a small plastic catch basin with a metal “beehive” grate on top is proposed to be constructed in the low point in the northwest corner of 16660 Jasper Street. This will drain into a 4-inch high-density polyethylene (HDPE) pipe that will be installed using a directional drill. The 4” HDPE pipe will connect to a new manhole constructed over the end of an existing storm sewer stub that was constructed between the properties at 16725 Limonite Street NW and 7078 167th Avenue NW. These drainage improvements will provide positive drainage for the low-lying area on 16660 Jasper Street, and will prevent runoff from ponding in the low-lying area and killing the native plants that were specially planted by the property owner.

All work is proposed to be completed within existing drainage easements on the Brookfield properties, and within a temporary construction easement along the NW corner of 16660 Jasper Street, which the property owner has agreed to provide at no cost to the City. The City will not need to acquire any permanent easements to complete this work. Perpetual temporary easements will also not be needed since the property owner will be responsible for maintaining the new drainage improvements in perpetuity.

This project is proposed to be completed this fall. Based on the current bid environment Staff anticipates receiving good quotes.

**Timeframe:**

Staff estimates approximately 10 minutes will be required for presentation and discussion of this case.

**Observations/Alternatives:**

**Observations:**

Staff plans to request City Council approval of plans and specifications and authorization to request quotes on August 25th. Construction is proposed to be completed by October 16, 2020, with final payment issued during the summer of 2021 after turf has been established and approved.

**Alternatives:**

Alternative #1: Motion to recommend City Council authorization for Requests for Quotes for 16660 Jasper Street Drainage Improvements, Improvement Project 19-13.

Alternative #2: Motion of other.

**Funding Source:**

Estimated construction costs for this project total \$16,600 and are based on final plans and specifications as prepared by City Staff. Construction staking and inspections are proposed to be provided by City Staff.

All project costs are proposed to be split evenly between the Stormwater Management and Stormwater Utility Funds.

**Recommendation:**

Staff recommends alternative #1.

**Action:**

Motion to recommend City Council authorize Requests for Quotes for 16660 Jasper Street Drainage Improvements, Improvement Project 19-13.

**Attachments**

Plans IP 19-13

Asbuilt Survey Certificates

Pre and Post-Dev Contours

**Form Review**

<b>Inbox</b>	<b>Reviewed By</b>	<b>Date</b>
Tim Gladhill	Tim Gladhill	08/13/2020 01:43 PM
Grant Riemer	Grant Riemer	08/13/2020 02:33 PM
Kurt Ulrich	MaryJo Warner	08/13/2020 02:52 PM
Form Started By: Bruce Westby		Started On: 08/12/2020 11:03 AM
Final Approval Date: 08/13/2020		



Ex. CB 36  
STA 0+00.00 0.0  
RIM 878.77  
BUILD 4.7  
INV. W (Structure - (1)) 874.05  
INV. E (MH-1) 874.35

MH-1  
48" DIAMETER  
STA 0+60.77 0.0  
RIM 879.75  
BUILD 4.75  
INV. W (Ex. CB 36) 875.00  
INV. SE (MH-2) 876.00

MH-2  
12" DIAMETER NYLOPLAST DRAIN BASIN  
DIP DOME GRATE  
STA 1+36.23 0.0  
RIM 879.43  
BUILD 3.06  
INV. N 876.37

EXISTING 61' - 15" RCP @ 1.07%

26" - 4" HDPE @ 0.46%  
(DIRECTION DRILL)

50' - 4" HDPE @ 0.50%  
(DIRECTION DRILL)

**LEGEND**

- EX. MAJOR CONTOUR
- - - EX. MINOR CONTOUR
- - - D&U EASEMENT
- - - TEMP CONSTRUCTION EASEMENT
- LOT LINE

**NOTE:**

1. RESTORE DISTURBED AREAS ON 7078 167TH XING & 16725 LIMONITE STREET WITH 4" TOPSOIL AND SODDING TYPE LAWN.
2. RESTORE DISTURBED AREAS ON 16660 JASPER STREET WITH PRARIE RESTORATION 'TALL WET GRASS MIX', OR APPROVED EQUAL.
3. CONTRACTOR IS RESPONSIBLE FOR FIXING ANY DAMAGE TO EXISTING IRRIGATION SYSTEMS.

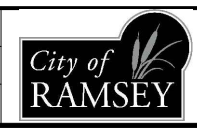
DATE	REVISION

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

**DRAFT**  
Engineer  
Date XX/XX/XX Lic. No. XXXXX

DESIGNED BY:  
JJF  
DRAWN BY:  
JJF  
CHECKED BY:  
JJF

DATE:  
8/12/20  
FILE No.  
19-13



CITY OF RAMSEY  
7550 SUNWOOD DRIVE  
RAMSEY, MN 55303  
(763) 427-1410 FAX (763) 433-9898

SITE PLAN

16660 JASPER STREET DRAINAGE IMPROVEMENTS  
CITY PROJECT NO. 19-13  
CITY OF RAMSEY, MINNESOTA



# Certificate of Survey

CITY COPY

1. Contractor to verify all building dimensions and elevations.

2. In providing this boundary survey no attempt has been made to obtain or show data concerning existence, size, depth, condition, capacity or location of any utility existing on the site, whether private, municipal or public owned.

3. The professional surveyor has made no investigation or independent search for easements of record, encumbrance, restrictive covenants, ownership title evidence, or any other facts that an accurate and current title search may disclose.

4. Square footage of lot is 10,817 sq.ft. or 0.253 acres

5. This lot is in Section 10 Township 32 Range 25

6. Builder/Owner place retaining walls as needed.

7. House pad needs to be cleared - YES  NO

8. Rear Yard swale staked 11/19/07

## MINKS CUSTOM HOMES

### PROPOSED ELEVATIONS

Lowest Floor Elevation: 882.5

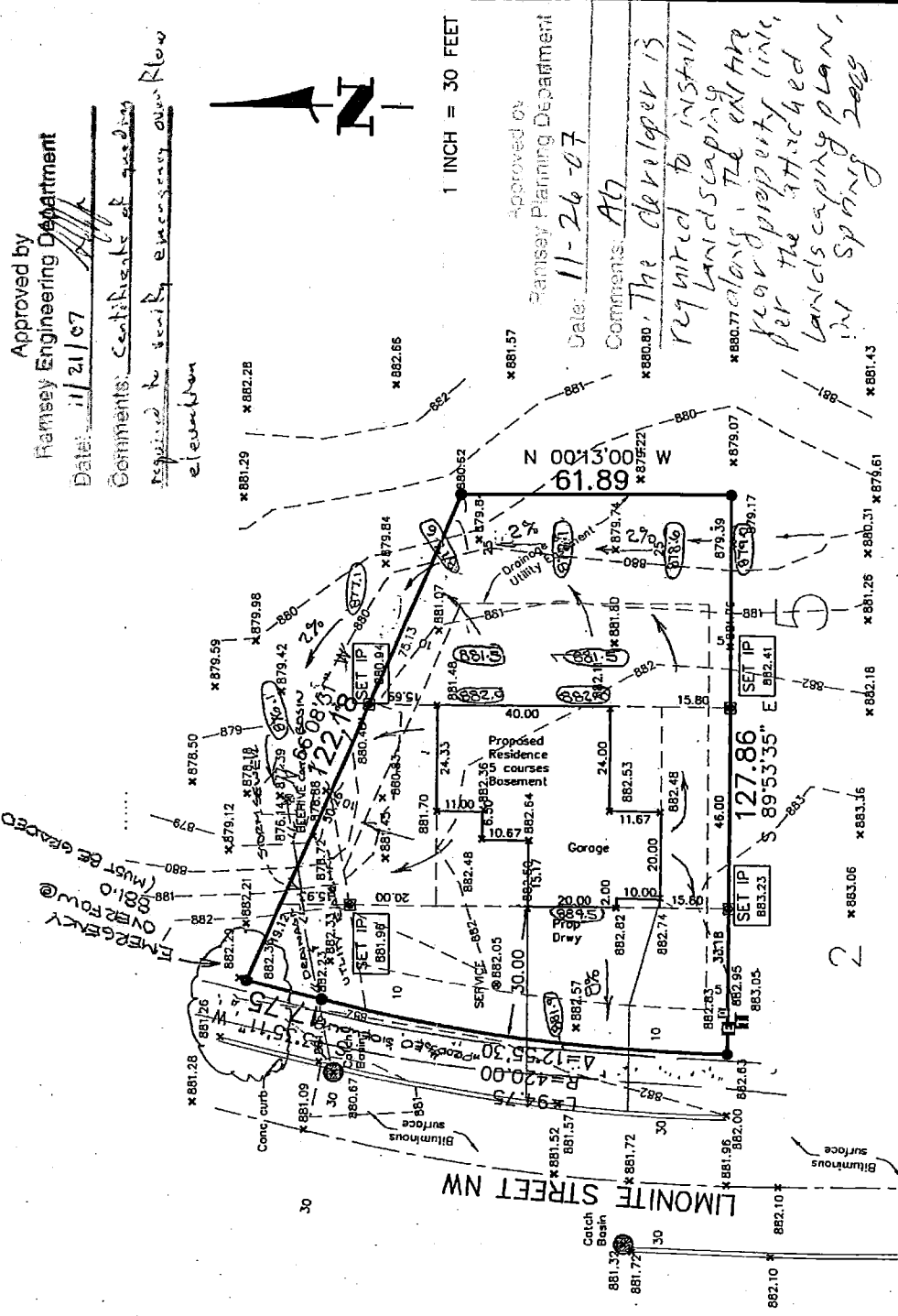
Top of Block Elevation: 885.5

\*Garage Slab Elevation: 884.5

Walkout Elevation: 882.5

Lookout Elevation: \_\_\_\_\_

\* DEEP GARAGE ONE (1) COURSE



### LEGEND

- = Iron monument found
- = iron monument set and marked with license No. 18420.
- \* 800.0 = Denotes existing elevation
- ⊙ = Denotes proposed elevation from grade or development plan
- = Denotes drainage & utility easement
- ↔ = Denotes drainage arrow
- = Denotes offset iron
- = Bearings shown are assumed
- = Denotes proposed contour from development or grading plan
- ⊠ = Denotes as-built elevation

## Lot 1, Block 5

## BROOKFIELD SECOND ADDITION

ANKA COUNTY, MINNESOTA

Subject to easements of record, if any.

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

Charles R. Christopherson, MN License No. 18420

REV 11/2/07 ADD EMERGENCY OVERFLOW  
REV 11/20/07 ADD/REVISE REAR YARD SWALE

11/1/07  
Date

Oct 31, 2007 - 3:11pm Jeff B  
K:\Cad\_Surv\Land Desktop 2006\2902.462.dwg\2902462-1.dwg

BOOK PAGE



Hakanson Anderson Assoc., Inc.

Civil Engineers and Land Surveyors  
3601 Thornton Ave, Anoka, Minnesota 55303  
763-427-5860 FAX 763-427-0520

Job No.: 2902.462

# Brookfield 7 - Overtoom Grading



## Legend

— Contours\_10ft

- - - Contours\_2ft

▭ Parcels

**City\_bw\_2003.sid**

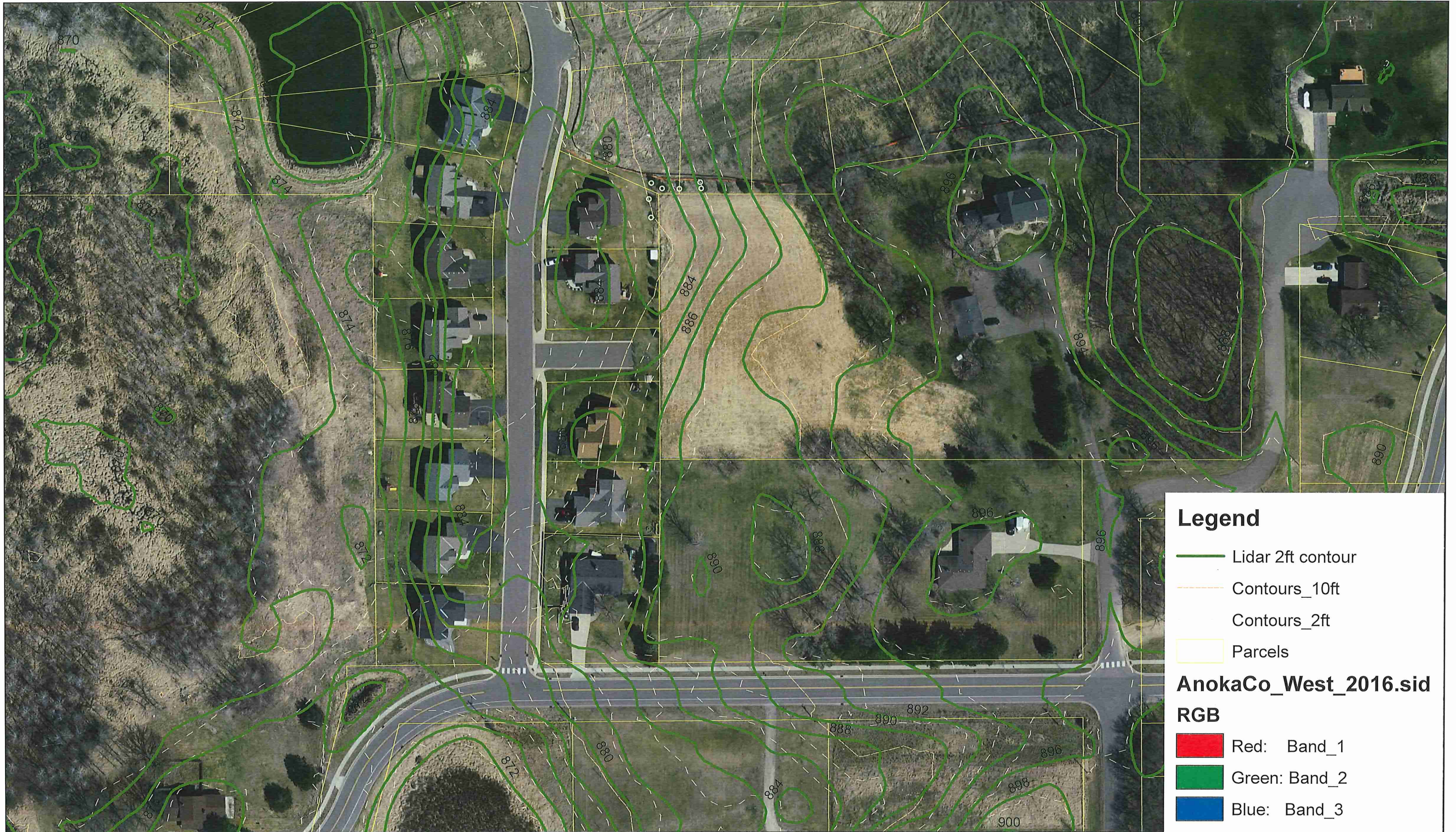
**Value**

- High : 255

- Low : 0

0 100 200 400 600 800 Feet

# Brookfield 7 - Overtoom Grading



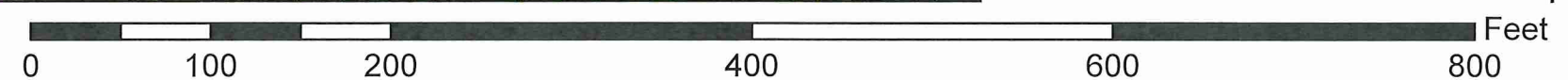
## Legend

- Lidar 2ft contour
- - - Contours\_10ft
- Contours\_2ft
- ▭ Parcels

AnokaCo\_West\_2016.sid

## RGB

- Red: Band\_1
- Green: Band\_2
- Blue: Band\_3



**Public Works Committee**

5. 2.

**Meeting Date:** 08/18/2020

**By:** Bruce Westby, Engineering/Public Works

**Title:**

Consider Recommendation to City Council Authorizing Requests for Quotes for 5751 164th Lane Drainage Improvements, Improvement Project 19-17

**Purpose/Background:**

**Purpose:**

The purpose of this case is to consider a recommendation to City Council authorizing Requests for Quotes for 5751 164th Lane Drainage Improvements, Improvement Project 19-17.

**Background:**

The property owner at 5751 164th Lane first contacted Staff regarding drainage concerns on May 11, 2019. According to the property owner, stormwater runoff from the drainage ditch in City right-of-way in front of their house has been flowing directly across their property in a shallow swale for decades without any drainage easements in place. The property owner claimed that during the winter of 2018/19 the outer edge of the 14-foot by 16-foot floating concrete slab supporting their attached enclosed patio, which is directly adjacent to the drainage swale running across their property, lifted approximately 6-inches.

Staff has not been provided with any evidence that the lifting of the slab actually occurred that winter, such as before and after pictures, but the lifting of concrete slabs can/does occur if/when the soils underneath a slab are subjected to numerous freeze-thaw cycles during the course of a winter.

After the property owner contacted Staff with their concerns, Staff began working to develop plans to route the stormwater runoff from the public right-of-way through ditches and storm sewer culverts and pipes located within City right-of-ways and drainage easements, instead of across the private property in a swale. After collecting topographic survey and working with the private utilities, including Northern Natural Gas who owns and operates two high pressure gas lines that traverse the private property and the ditches in City right-of-way, Staff completed plans and recommends constructing the improvements this fall to ensure no further claims of damage to private property will be received.

Existing drainage infrastructure includes a culvert crossing under 164th Lane located just west of the driveway to 5751 164th Lane. Runoff from the south side of 164th Lane flows through this culvert, which empties into the drainage ditch in front of 5751 164th Lane, and is then routed through a swale on the private property as mentioned earlier.

As shown in the attached plans, the drainage improvements proposed with this project involves re-grading the ditch on the south side of 164th Lane and adding a new culvert under 164th Lane at the western lot line of 5751 164th Lane where a drainage and utility easement currently exists and is the intended route for conveying stormwater runoff from this stretch of 164th Lane to the pond to the north. This project will require the replacement of the driveway culvert at 5800 164th Lane.

Northern Natural Gas owns an 80' wide easement which crosses 5751 diagonally and contains two high pressure gas mains. City Staff has had to work with Northern Natural in the design of these plans to avoid conflicts with these gas mains, and has received Northern Natural's approval of the plans with some contingencies which have been built into the plans.

When last meeting with the property owner on February 13, 2020, the owner requested that the City pay for the required repairs to their patio. On May 4, 2020, a claim was filed by the City with the League of Minnesota Cities Insurance Trust.

This drainage improvement project is proposed to be completed this fall. Based on the current bid environment Staff anticipates receiving good quotes.

**Timeframe:**

Staff estimates approximately 15 minutes will be required for presentation and discussion of this case.

**Observations/Alternatives:**

**Observations:**

Staff plans to request City Council approval of plans and specifications and authorization to request quotes on August 25th. Construction is proposed to be completed by October 23, 2020, with final payment issued during the summer of 2021 after turf has been established and approved.

**Alternatives:**

Alternative #1: Motion to recommend City Council authorization for Requests for Quotes for 5751 164th Lane Drainage Improvements, Improvement Project 19-17.

Alternative #2: Motion of other.

**Funding Source:**

Estimated construction costs for this project total \$22,000 and are based on final plans and specifications as prepared by City Staff. Construction staking is proposed to be provided by a consultant at an estimated cost of \$4,000. A proposal for construction staking will be presented to the City Council at the time Staff requests approval of a construction contract to the contractor submitting the lowest quote.

All project costs are proposed to be split evenly between the Stormwater Management and Stormwater Utility Funds.

**Recommendation:**

Staff recommends alternative #1.

**Action:**

Motion to recommend City Council authorize Requests for Quotes for 5751 164th Lane Drainage Improvements, Improvement Project 19-17.

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**Attachments**

Plans IP 19-17

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**Form Review**

<b>Inbox</b>	<b>Reviewed By</b>	<b>Date</b>
Tim Gladhill	Tim Gladhill	08/13/2020 01:46 PM
Grant Riemer	Grant Riemer	08/13/2020 02:37 PM
Kurt Ulrich	MaryJo Warner	08/13/2020 02:52 PM
Form Started By: Bruce Westby		Started On: 08/12/2020 11:04 AM
Final Approval Date: 08/13/2020		

# CITY OF RAMSEY

## 5751 164TH LANE DRAINAGE IMPROVEMENTS

### CITY IMPROVEMENT PROJECT NO. 19-17

## GOVERNING SPECIFICATIONS

THE 2018 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN.

ALL FEDERAL, STATE AND LOCAL LAWS, REGULATIONS AND ORDINANCES SHALL BE COMPLIED WITH IN THE CONSTRUCTION OF THIS PROJECT.

ALL TRAFFIC CONTROL DEVICES AND SIGNING SHALL CONFORM TO THE MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, INCLUDING THE FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS.

### SHEET INDEX

THIS PLAN CONTAINS 4 SHEETS

SHEET No.	DESCRIPTION
1	TITLE SHEET
2	EXISTING CONDITIONS & REMOVALS
3	STORM SEWER & GRADING
4	PROFILE & DETAILS



**LOCATION MAP**

### LEGEND

	LIGHT POLE		EASEMENT
	TREE		RIGHT OF WAY
	SHRUB		ELECTRIC
	SIGN		OVERHEAD ELECTRIC
	VALVE		GAS
	UTILITY PEDESTAL		TELECOMMUNICATIONS
	HAND HOLE		STORM SEWER
	REMOVE TREE		SANITARY SEWER
	3'X2' CATCH BASIN		WATERMAIN
	MANHOLE		SAWCUT PAVEMENT
	INLET PROTECTION		TREE LINE
	HYDRANT		FENCE
	VALVE		LANDSCAPING
			RETAINING WALL
			5' CONTOUR LINE
			1' CONTOUR LINE

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.

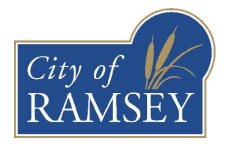
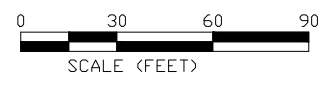
DRAFT

JOE FERIANCEK, P.E.  
CITY OF RAMSEY

57095    DATE **6/19/20**  
LIC. NO.

DATE	REVISION

Jun 19, 2020 - 12:56pm G:\Engineering\AutoCad Dwg\Projects A-M\2019 Drainage Improvements (19-09, 19-10, 19-11, 19-13, 19-17)\Plan Drawings\19-17 5751 164th Lane Drawings\19-17 Title Sheet.dwg



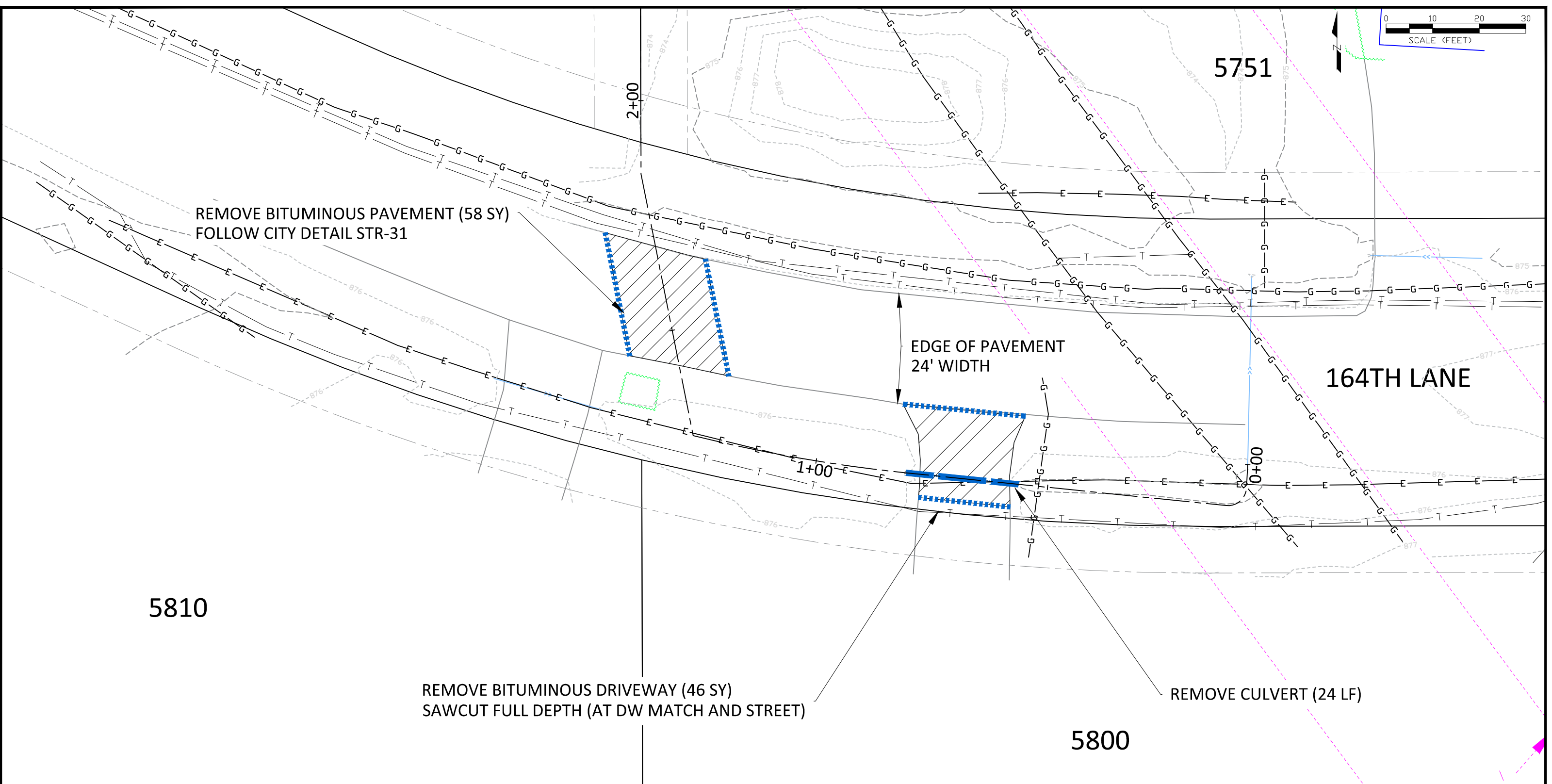
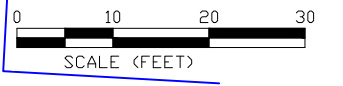
CITY OF RAMSEY  
7550 SUNWOOD DRIVE  
RAMSEY, MN 55303  
(763) 427-1410 FAX (763) 433-9898

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-02, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA."

NOTE: EXISTING UTILITY INFORMATION SHOWN ON THIS PLAN HAS BEEN PROVIDED BY THE UTILITY OWNER. THE CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS PRIOR TO COMMENCING CONSTRUCTION AS REQUIRED BY STATE LAW. NOTIFY GOPHER STATE ONE CALL 1-800-252-1166 OR 651-454-0002



Call before you dig  
811  
651 454-0002 Metro  
800 252-1166 Outstate  
www.gopherstateonecall.org



**LEGEND**

---	EX. MAJOR CONTOUR	— G —	GAS LINE	▨	EDGE OF PAVEMENT
- - - -	EX. MINOR CONTOUR	— T —	COMMUNICATIONS LINE	▨	REMOVE BIT - STREET
- · - · -	D&U EASEMENT	— E —	ELECTRIC LINE	▨	REMOVE BIT - DRIVEWAY
---	NORTHERN NATURAL GAS EASEMENT	— [Blue] —	BUILDING	▨	REMOVE CULVERT
---	LOT LINE	— [Green] —	LANDSCAPING	▨	SAWCUT - FULL DEPTH

**NOTE:**

1. POT HOLE NORTHERN NATURAL GAS LINE BEFORE GRADING ACTIVITIES, MIN. 36" COVER REQUIRED.
2. CONTRACTOR IS RESPONSIBLE FOR FIXING ANY DAMAGE TO EXISTING IRRIGATION SYSTEMS AND LANDSCAPING.
3. THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. IT IS NOT GUARANTEED ANY OR ALL EXISTING UTILITIES ARE SHOWN. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

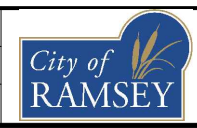
DATE	REVISION

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

**DRAFT**  
Engineer

Date X/XX/XX Lic. No. XXXXX

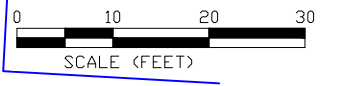
DESIGNED BY: JJF	DATE: 6/19/20
DRAWN BY: JJF	FILE No. 19-17
CHECKED BY: JJF	



**CITY OF RAMSEY**  
7550 SUNWOOD DRIVE  
RAMSEY, MN 55303  
(763) 427-1410 FAX (763) 433-9898

**EXISTING CONDITIONS & REMOVALS**

**5751 164TH LANE DRAINAGE IMPROVEMENTS**  
CITY PROJECT NO. 19-17  
CITY OF RAMSEY, MINNESOTA



5751

PATCH BITUMINOUS PAVEMENT PER DETAIL (58 SY)  
 1.5" WEAR COURSE  
 2.0" NON WEAR COURSE  
 4.0" CLASS 5 AGGREGATE BASE

FES 4  
 STA 1+84.24  
 INV. 874.00

2+00

54' - 15" CMP @ 0.23%

164TH LANE

FES 3  
 STA 1+29.97  
 INV. 874.13

1+00

FES 2  
 STA 0+83.49  
 INV. 874.24

30' - 15" CMP @ 0.20%

FES 1  
 STA 0+53.31  
 INV. 874.30

0+00

5810

2" BITUMINOUS PAVEMENT (46 SY)  
 4" AGGREGATE BASE (46 SY)  
 MATCH EXISTING

5800

**LEGEND**

- EX. MAJOR CONTOUR
- - - EX. MINOR CONTOUR
- - - D&U EASEMENT
- NORTHERN NATURAL GAS EASEMENT
- LOT LINE
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- /// BITUMINOUS PAVEMENT - STREET
- /// BITUMINOUS PAVEMENT - DRIVEWAY
- PROPOSED CULVERT

**NOTE:**

1. RESTORE DISTURBED AREAS WITH 4" TOPSOIL AND SODDING TYPE LAWN.
2. ESTIMATED 50 CY OF EXCAVATION REQUIRED. ON-SITE TOPSOIL MAY BE SALVAGED, NOT INCLUDED IN EXCAVATION ESTIMATE. ESTIMATED 45 CY OF TOPSOIL REQUIRED BASED ON DISTURBED AREA OF 2,826 SF AND COMPACTION FACTOR OF 1.3.
3. CONTRACTOR IS RESPONSIBLE FOR FIXING ANY DAMAGE TO EXISTING IRRIGATION SYSTEMS.
4. CONTRACTOR IS RESPONSIBLE FOR FIXING ANY DAMAGE TO EXISTING LANDSCAPING.

DATE	REVISION

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

**DRAFT**  
 Engineer

Date X/XX/XX Lic. No. XXXXX

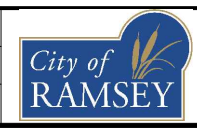
DESIGNED BY:  
 JJF

DRAWN BY:  
 JJF

CHECKED BY:  
 JJF

DATE:  
 6/19/20

FILE No.  
 19-17



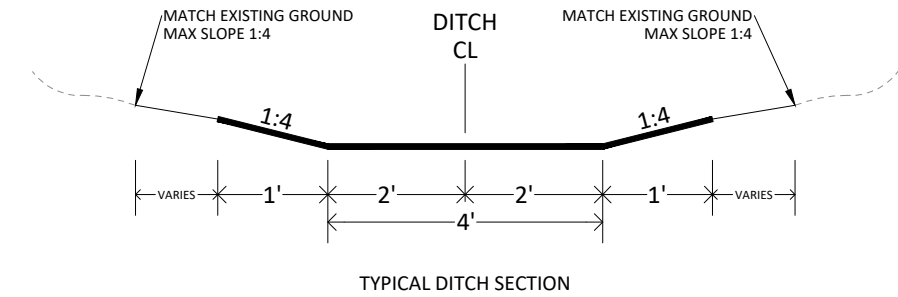
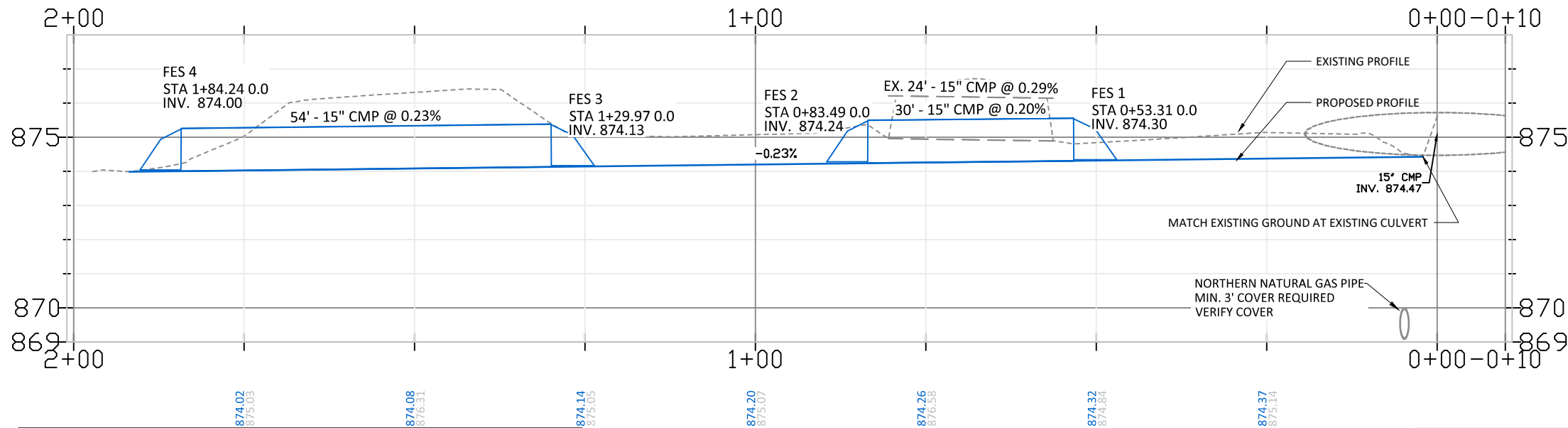
CITY OF RAMSEY  
 7550 SUNWOOD DRIVE  
 RAMSEY, MN 55303  
 (763) 427-1410 FAX (763) 433-9898

**STORM SEWER & GRADING**

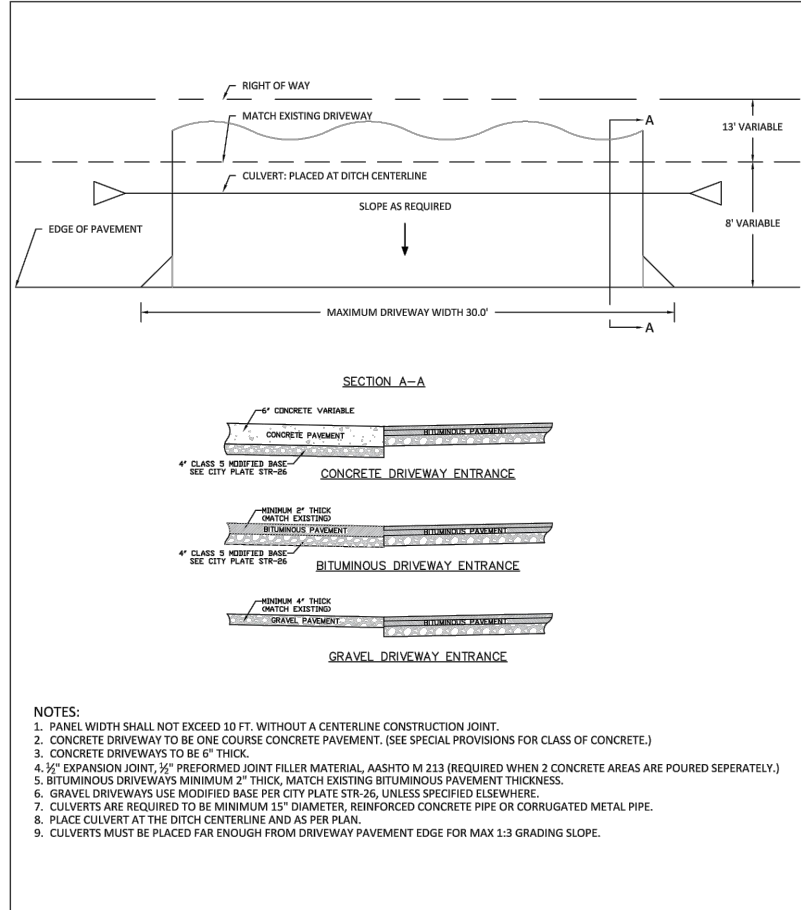
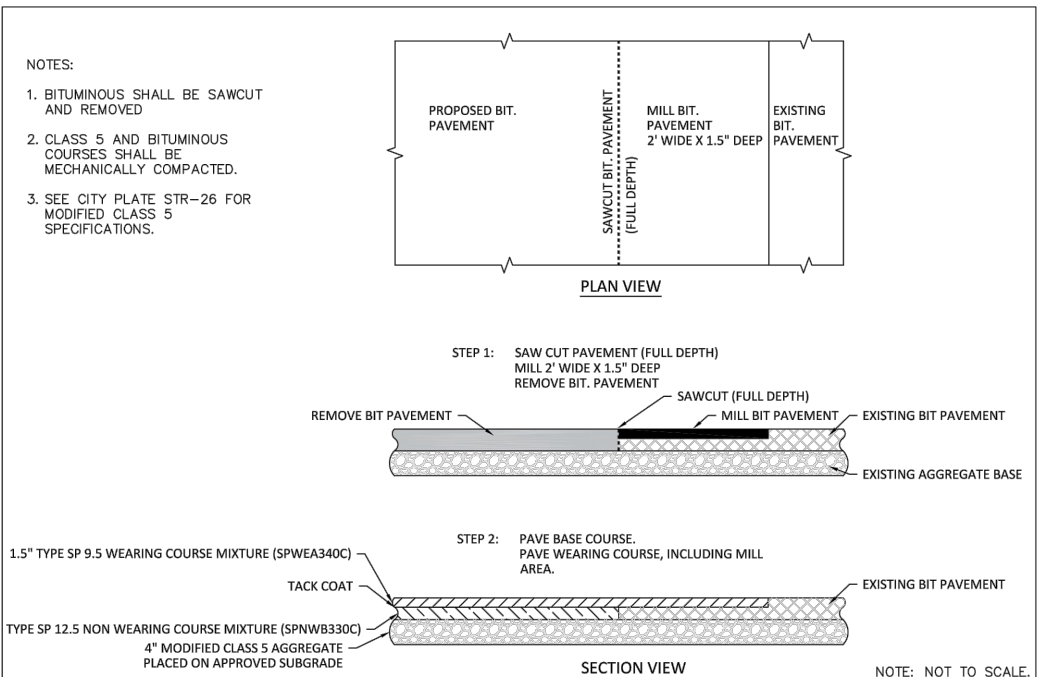
5751 164TH LANE DRAINAGE IMPROVEMENTS  
 CITY PROJECT NO. 19-17  
 CITY OF RAMSEY, MINNESOTA



Profile View of Proposed Ditch CL



- Notes:
1. INSTALLATION OF 4" OF TOPSOIL REQUIRED ACROSS ALL DISTURBED AREAS.
  2. TOPSOIL IS DEFINED AS BLACK DIRT COMPOSED OF UNCONSOLIDATED MATERIAL, LARGELY UNDECOMPOSED ORGANIC MATTER WHICH IS SUITABLE FOUNDATION FOR VEGETATIVE GROWTH.
  3. THE COMPOSITION OF TOPSOIL SHOULD CONTAIN NO MORE THAN THIRTY-FIVE PERCENT (35%) SAND CONTENT.



APPROVED: 7 - 2019  
 City of RAMSEY  
 STANDARD DETAILS: TOPSOIL REQUIREMENTS  
 CITY PLATE No. ERO-6

APPROVED: 3 - 2017  
 City of RAMSEY  
 CITY PLATE No. STR-31  
 STANDARD DETAILS: STREET TIE-IN

APPROVED: 2 - 2019  
 City of RAMSEY  
 STANDARD DETAILS: RESIDENTIAL DRIVEWAY - URBAN SECTION  
 CITY PLATE No. STR-33

DATE	REVISION

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  
**DRAFT**  
 Engineer  
 Date XX/XX/XX Lic. No. XXXXX

DESIGNED BY: JJF  
 DRAWN BY: JJF  
 CHECKED BY: JJF  
 DATE: 6/19/20  
 FILE No. 19-17

CITY OF RAMSEY  
 7550 SUNWOOD DRIVE  
 RAMSEY, MN 55303  
 (763) 427-1410 FAX (763) 433-9898

PROFILE & DETAILS

5751 164TH LANE DRAINAGE IMPROVEMENTS  
 CITY PROJECT NO. 19-17  
 CITY OF RAMSEY, MINNESOTA

**Public Works Committee**

5.3.

**Meeting Date:** 08/18/2020

**By:** Bruce Westby, Engineering/Public Works

---

**Title:**

Consider Recommendation to City Council Authorizing Requests for Quotes for 9591 Inverness Lane Drainage Improvements, Improvement Project 20-08

**Purpose/Background:**

**Purpose:**

The purpose of this case is to consider a recommendation to City Council authorizing Requests for Quotes for 9591 Inverness Lane Drainage Improvements, Improvement Project 20-08.

**Background:**

In December of 2015, the property owner at 9591 Inverness Lane first contacted Staff to inform us of some drainage concerns regarding the operation of the drainage ditch east of Jarvis Street on both sides of Inverness Lane, which has just been improved that summer as part of the Jarvis Street Reconstruction project. Ramsey Staff met with Elk River Staff, who led this street reconstruction project, and with Staff from Bolton & Menk, who designed who designed and inspected the project. The outcome of that conversation was that some grading modifications were made as part of the project punch list work. Then on June 12, 2016, the property owner at 9591 Inverness Lane reached out again to let us know the ditch appeared to be flowing well and that his concerns had been addressed.

In early 2019, the property owner contacted Staff again to report that the swale traversing their back yard, which conveys stormwater runoff from several properties upstream, was full of water and was roughly 10 feet from the back of their house and encroaching under the rear edge of their deck. The property owner said it had never been this full of water before. That spring, Staff began working on plans to improve drainage in the ditch east of Jarvis Street, including collecting survey shots and investigating options for improving drainage in the ditch east of Jarvis Street to prevent water from backing up into the back yard of this property.

During late winter and early spring, snow and ice in the ditch prevents runoff from flowing properly, causing stormwater runoff to back up into the swale in the back yard of 9591 Inverness Lane. Staff confirmed the ditch to the south of Inverness does not have proper slope for drainage. Staff originally looked at re-grading the ditch east of Jarvis Street to the existing pond one lot south of Inverness Lane. Due to existing private utilities, poles, impacts to existing mature trees, and to avoid steep ditch side slopes, Staff determined piping the runoff through this stretch to be the more feasible approach.

This project proposes to remove the existing bituminous flumes and culvert under Inverness Lane and replace them with storm sewer pipe and catch basins. Storm sewer pipe will then be extended in City right-of-way east of Jarvis Street to the south edge of the property south of Inverness Lane, where it will tie into the existing ditch that routes runoff to an existing stormwater pond. Fill will be placed over the storm sewer pipe, and a shallow swale will be graded above the pipe to route runoff from the street and adjacent properties to the existing ditch and stormwater pond. Attached is a plan sheet showing the proposed improvements, which was reviewed with the property owner.

This drainage improvement project is proposed to be completed this fall. Based on the current bid environment Staff anticipates receiving good quotes.

**Timeframe:**

Staff estimates approximately 15 minutes will be required for presentation and discussion of this case.

**Observations/Alternatives:**

**Observations:**

Staff plans to request City Council approval of plans and specifications and authorization to request quotes on August 25th. Construction is proposed to be completed by October 23, 2020, with final payment issued during the summer of 2021 after turf has been established and approved.

**Alternatives:**

Alternative #1: Motion to recommend City Council authorization for Requests for Quotes for 9591 Inverness Lane Drainage Improvements, Improvement Project 20-08.

Alternative #2: Motion of other.

**Funding Source:**

Estimated construction costs for this project total \$58,000 and are based on final plans and specifications as prepared by City Staff. Construction staking is proposed to be provided by a consultant at an estimated cost of \$5,500. A proposal for construction staking will be presented to the City Council at the time Staff requests approval of a construction contract to the contractor submitting the lowest quote.

All project costs are proposed to be split evenly between the Stormwater Management and Stormwater Utility Funds.

**Recommendation:**

Staff recommends alternative #1.

**Action:**

Motion to recommend City Council authorize Requests for Quotes for 9591 Inverness Lane Drainage Improvements, Improvement Project 20-08.

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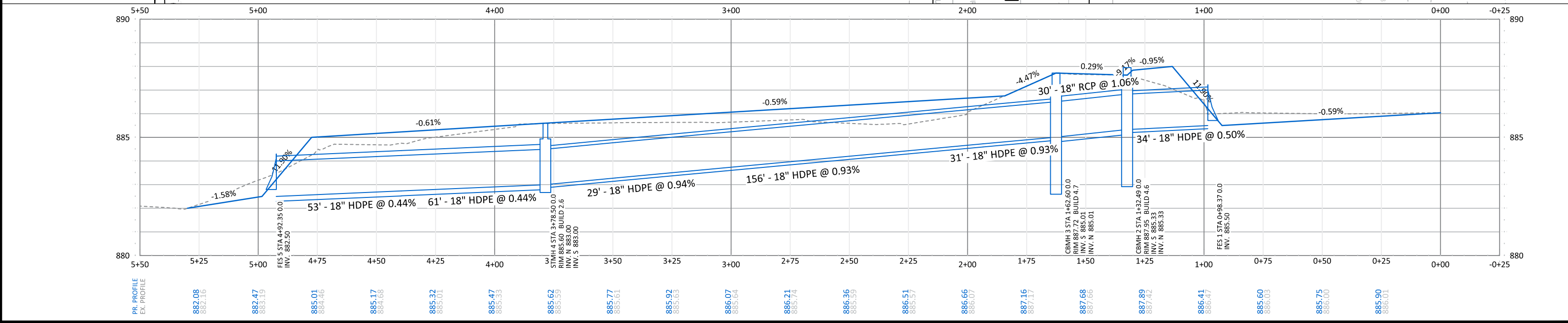
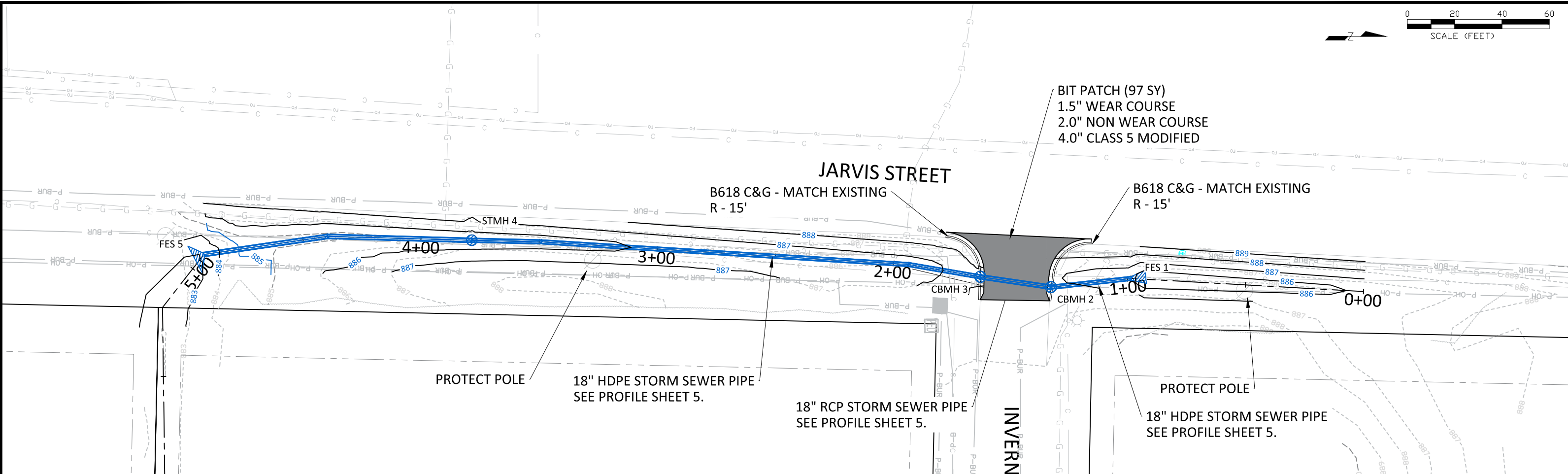
**Attachments**

Plan IP 20-08

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**Form Review**

<b>Inbox</b>	<b>Reviewed By</b>	<b>Date</b>
Tim Gladhill	Tim Gladhill	08/13/2020 01:50 PM
Grant Riemer	Grant Riemer	08/13/2020 02:39 PM
Kurt Ulrich	MaryJo Warner	08/13/2020 02:52 PM
Form Started By: Bruce Westby		Started On: 08/12/2020 11:05 AM
Final Approval Date: 08/13/2020		



**LEGEND**

- EX. MAJOR CONTOUR
- EX. MINOR CONTOUR
- D&U EASEMENT
- NORTHERN NATURAL GAS EASEMENT
- LOT LINE
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- BITUMINOUS PAVEMENT - STREET
- PROPOSED STORM SEWER

**NOTE:**

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Date XX/XX/XX Lic. No. XXXXX

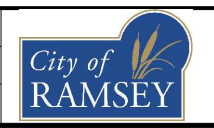
DESIGNED BY:  
JJF

DRAWN BY:  
JJF

CHECKED BY:  
JJF

DATE:  
8/12/20

FILE No.  
20-08



CITY OF RAMSEY  
7550 SUNWOOD DRIVE  
RAMSEY, MN 55303  
(763) 427-1410 FAX (763) 433-9898

**STORM SEWER & GRADING**

**9591 INVERNESS LANE DRAINAGE IMPROVEMENTS**  
CITY PROJECT NO. 20-08  
CITY OF RAMSEY, MINNESOTA

## Public Works Committee

6. 1.

**Meeting Date:** 08/18/2020

**By:** Bruce Westby, Engineering/Public Works

---

### **Title:**

Receive Staff Updates on Improvement Projects, Studies and Items of Interest

### **Purpose/Background:**

The purpose of this case is to update the Public Works Committee on current and proposed City, County and MnDOT improvement projects and studies, and on other items of interest to the Committee.

### **City Improvement Projects**

- **The COR Regional Infiltration Basin (#18-09)**
  - The lift station is operable and is being tested
  - Change Order(s) being evaluated to address excess topsoil removal / backfill and muskrat protection improvements
  - LRRWMO Permit expires September 30, 2020
- **Ford Brook Estates Street Reconstructions (#19-01)**
  - Punch list work underway
  - Final payment anticipated October 2020
- **Wood Pond Hills and Chestnut Ridge Street Reconstructions (#19-03)**
  - Punch list work underway
  - Final payment anticipated September 2020
- **RTC 9th Addition Pond Lining Improvements (#19-06)**
  - Punch list work underway
  - Final payment anticipated September 2020
- **Wetland 114P Outlet Control Improvements (#19-07)**
  - Work requested by DNR
  - Construction proposed for 2021
- **Hedgehog Street Drainage Improvements (#19-10)**
  - Construction complete
  - Final payment anticipated September 2020
- **Variolite Street Reconstruction (#20-01)**
  - Dewatering and construction of trunk sanitary sewer in progress
  - Change Order #1 approved by Council August 10, 2020
- **Reclamite Pavement Rejuvenator Pilot Project (NEW)**
  - Alternate to sealcoat improvements
  - Pilot project on Ute St. (Alpine Dr. - 154th Ln.) on 7/16/20 (\$2,800)
  - Staff will present photos and videos of pilot project in progress
  - Staff will evaluate performance and consider larger project for 2021

### **Anoka County Improvement Projects**

- **Roundabout at Armstrong Boulevard/CSAH 83 and Alpine Drive**
  - Anoka County received \$1.35M in HSIP funds (est. project cost = \$1.5M)
  - Anoka County and City of Ramsey share is \$150,000 each (per \$1.5M est.)
  - Construction proposed for 2022, pending City and County approvals
- **CSAH 116 & TH 47 Intersection Improvements**
  - Constructing additional turn lanes to improve congestion and safety in 2021

- Staff will provide a comprehensive update on this project in Oct. or Nov.

### **MnDOT Improvement Projects**

- **US 10 / 169 & Ferry Street / TH 47 Interchange**
  - Proposed for construction 2022 - 2024
- **Ferry Street / Trunk Highway 47 Grade Separation @ BNSF Rail Crossing**
  - Proposed for construction 2022 - 2024
  - Preliminary design on hold
  - MnDOT exploring realignment of Highway 47 to remove S-curve
  - Requires relocation of Alter Recycling...still in discussions
- **Rum River Bridge Replacement**
  - MnDOT requested funding to replace bridge in 2022 - 2024
  - Proposing three lanes between Highway 47 and 7th Street

### **Studies & Items of Interest**

- **NW Metro Surface Water Supply Feasibility Study**
  - Member cities include Corcoran, Dayton, Ramsey and Rogers
  - MCES is funding 100% using Clean Water Funds
  - Final study completion anticipated September 2020
- **City of Ramsey Centralized Water Treatment Facility Study**
  - Water System Model – Complete
  - Source Water Analysis – Complete
  - Toured Andover and Brooklyn Center WTF's
  - Feasibility Study – Final draft under review
- **Ramsey Gateway Highway 10 Improvements**
  - Final design (Ramsey Blvd. and Sunfish Lake Blvd. improvements) underway
  - Anoka County awarded \$40M
- **NW Metro Mississippi River Crossing Feasibility Analysis (NEW)**
  - No updates at this time
- **TH 47 Safety Study (NEW)**
  - No updates at this time
- **Reduced Speed Limits on Local Streets**
  - No new requests received since last discussed
  - Monitoring discussions in Minneapolis and Saint Paul

#### **Timeframe:**

Staff estimates up to 20 minutes will be needed for updates and discussion.

#### **Observations/Alternatives:**

NA

#### **Funding Source:**

NA

#### **Recommendation:**

NA

#### **Action:**

No formal action required. For Committee review and discussion purposes only.

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## Attachments

*No file(s) attached.*

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### Form Review

<b>Inbox</b>	<b>Reviewed By</b>	<b>Date</b>
Tim Gladhill	Tim Gladhill	08/13/2020 12:57 PM
Grant Riemer	Grant Riemer	08/13/2020 01:21 PM
Kurt Ulrich	MaryJo Warner	08/13/2020 02:02 PM
Form Started By: Bruce Westby		Started On: 08/11/2020 02:59 PM
Final Approval Date: 08/13/2020		

**Public Works Committee**

6. 2.

**Meeting Date:** 08/18/2020

**By:** Bruce Westby, Engineering/Public Works

**Title:**

Review Future Topics Calendar

**Purpose/Background:**

Attached is a calendar of future topics for review and discussion by the Public Works Committee. The calendar includes topics drawn from Committee requests received during meetings and/or unresolved topics previously discussed by the Committee. Calendar dates are subject to change based on the availability of information and required attendees, staff workload, and competing interests and objectives.

**Timeframe:**

Staff estimates less than 5 minutes will be necessary to review the future topics calendar and address questions.

**Observations/Alternatives:**

N/A

**Funding Source:**

N/A

**Recommendation:**

N/A

**Action:**

No formal action required. For Committee review and discussion purposes only.

**Attachments**

PWC Calendar Aug2020

**Form Review**

Inbox	Reviewed By	Date
Grant Riemer	Bruce Westby	08/13/2020 12:21 PM
Bruce Westby (Originator)	Bruce Westby	08/13/2020 12:22 PM
Tim Gladhill	Tim Gladhill	08/13/2020 12:56 PM
Grant Riemer	Grant Riemer	08/13/2020 01:19 PM
Kurt Ulrich	MaryJo Warner	08/13/2020 02:02 PM
Form Started By: Bruce Westby		Started On: 08/11/2020 02:56 PM
Final Approval Date: 08/13/2020		

## **Public Works Committee Future Topics Calendar \***

<b>Date</b>	<b>Topics for Discussion – Committee Action</b>
September 2020	Sunfish Lake Sedimentation Basin Improvements ( <i>Westby</i> )
January 2021	Basement Flooding Funding Options ( <i>Westby</i> )
Future/TBD	Sunwood Drive Roundabout Landscaping ( <i>Riemer</i> )
<b>Date</b>	<b>Topics for Discussion – Regulatory</b>
Future/TBD	Sunfish Lake Boulevard Speed Study Results ( <i>Westby</i> )
Future/TBD	Bunker Lake Boulevard Speed Study Results ( <i>Westby</i> )
Future/TBD	County Ditch Maintenance / Buffer Law ( <i>Westby</i> )
<b>Date</b>	<b>Topics for Discussion – Policy</b>
Future/TBD	Landscaped Median Maintenance Policy ( <i>Riemer</i> )
October 2020	Draft Trail Maintenance Policy ( <i>Westby</i> )
November 2020	Draft Stormwater Pond Maintenance Policy ( <i>Westby</i> )
<b>Date</b>	<b>Topics for Discussion – Planning and Budget</b>
November 2020	Municipal State Aid System (MSAS) Revisions ( <i>Westby</i> )
September 2020	Review 1996 and 2007 (unadopted) TH 47 Corridor Studies ( <i>Westby</i> )
Ongoing	Public Works Facility Review/Update ( <i>Riemer</i> )
Future/TBD	Asset Management Program ( <i>Westby</i> )
<b>Date</b>	<b>Topics for Discussion – Staff Updates</b>
Ongoing	Water Conservation Opportunities / Incentives ( <i>Westby</i> )
Ongoing	NW Metro Area Regional Surface Water Supply Study ( <i>Westby</i> )
Ongoing	Centralized Water Treatment Facility – Prelim. Design Report ( <i>Westby</i> )
Ongoing	NW Metro Mississippi River Crossing Feasibility Analysis ( <i>Westby</i> )
Ongoing	TH 47 Safety Study ( <i>Westby</i> )

\* Dates subject to change based on availability of information, required attendees, staff workload, and competing interests and objectives.