

# CITY OF HAM LAKE

15544 Central Avenue NE  
Ham Lake, Minnesota 55304  
(763) 434-9555  
Fax: (763) 434-9599

## CITY OF HAM LAKE CITY COUNCIL AND ECONOMIC DEVELOPMENT AUTHORITY AGENDA MONDAY, APRIL 18, 2022

- 1.0 CALL TO ORDER - 6:00 P.M. – Pledge of Allegiance**
- 2.0 PUBLIC COMMENT**
- 3.0 SPECIAL APPEARANCES/PUBLIC HEARINGS**
- 3.1 Lt. Wilson, Anoka County Sheriff's Office Monthly Report

### **4.0 CONSENT AGENDA**

These items are considered to be routine and will be enacted in one motion. There will be no separate discussion of these items unless a Councilmember or citizen so requests, in which event the item will be removed from the Consent Agenda and considered in normal sequence. (All items listed on the Consent Agenda are recommended for approval.)

- 4.1 Approval of minutes of April 4, 2022
- 4.2 Approval of claims
- 4.3 Approval of the Ham Lake Member City Grant Agreement with Twin Cities Gateway
- 4.4 Approval of a Resolution entering into a Master Partnership Agreement with MnDOT
- 4.5 Approval of a Resolution accepting the low bid for the reconstruction of 181<sup>st</sup> Avenue NE
- 4.6 Approval of a Resolution accepting the low bid for the 2022 Bituminous Overlay Project
- 4.7 Approval of a Large Assembly License for the Ham Lake Chamber of Commerce at Lion's Park (1220 157<sup>th</sup> Avenue NE) to hold Freedom Festival on July 2, 2022
- 4.8 Approval of a Temporary One-Day 3.2% Liquor License for the Ham Lake Lions at Lion's Park (1220 157<sup>th</sup> Avenue NE) on July 2, 2022 for Freedom Festival

### **5.0 PLANNING COMMISSION RECOMMENDATIONS – None**

### **6.0 ECONOMIC DEVELOPMENT AUTHORITY – None**

### **7.0 APPEARANCES**

- 7.1 Andrea Murff, Finance Director, 1<sup>st</sup> Quarter Financial Report

### **8.0 CITY ATTORNEY**

### **9.0 CITY ENGINEER**

### **10.0 CITY ADMINISTRATOR – None**

### **11.0 COUNCIL BUSINESS**

- 11.1 Committee Reports
- 11.2 Discussion of Fire Station #3
- 11.3 Announcements and future agenda items

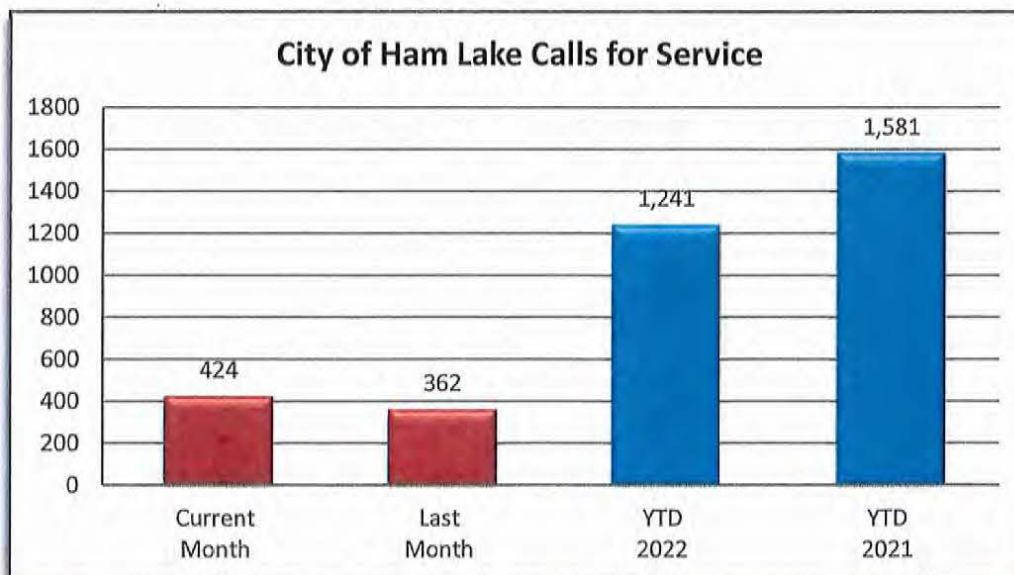
**ANOKA COUNTY SHERIFF'S OFFICE MONTHLY REPORT**

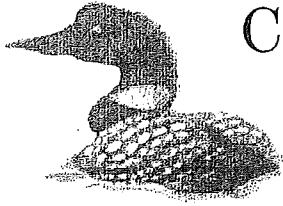
**SECTION II**

**PATROL DIVISION**

**CITY OF HAM LAKE - JANUARY - MARCH 2022**

OFFENSE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD 2022	YTD 2021
Call for Service	455	362	424										1,241	1,581
Burglaries	2	1	2										5	2
Thefts	14	11	8										33	51
Crim Sex Conduct	0	0	3										3	2
Assault	1	0	1										2	1
Dam to Property	5	2	5										12	18
Harass Comm	1	0	0										1	0
Felony Arrests	5	3	7										15	29
Gross Misd Arrests	3	1	3										7	5
Misd Arrests	3	2	6										11	17
DUI Arrests	3	2	3										8	9
Domestic Arrests	1	1	7										9	3
Warrant Arrests	7	6	4										17	25
Traffic Arrests	49	74	42										165	218





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## CITY OF HAM LAKE CITY COUNCIL AND ECONOMIC DEVELOPMENT AUTHORITY MINUTES MONDAY, APRIL 4, 2022

The Ham Lake City Council and Economic Development Authority met for its regular meeting on Monday, April 4, 2022 at 6:00 p.m. in the Council Chambers at the Ham Lake City Hall located at 15544 Central Avenue NE in Ham Lake, Minnesota.

**MEMBERS PRESENT:** Mayor Mike Van Kirk and Councilmembers Gary Kirkeide, Brian Kirkham and Jesse Wilken

**MEMBERS ABSENT:** Councilmember Jim Doyle

**OTHERS PRESENT:** City Attorney, Joe Murphy; City Engineer, Tom Collins; and Deputy City Clerk, Dawnette Shimek

### 1.0 CALL TO ORDER - 6:00 P.M. – Pledge of Allegiance

Mayor Van Kirk called the meeting to order and the Pledge of Allegiance was recited by all in attendance.

### 2.0 PUBLIC COMMENT - None

### 3.0 SPECIAL APPEARANCES/PUBLIC HEARINGS - None

### 4.0 CONSENT AGENDA

These items are considered to be routine and will be enacted in one motion. There will be no separate discussion of these items unless a Councilmember or citizen so requests, in which event the item will be removed from the Consent Agenda and considered in normal sequence. (All items listed on the Consent Agenda are recommended for approval.)

4.1 Approval of minutes of March 21, 2022

4.2 Approval of claims in the amount of \$275,812.05

4.3 Approval of the American Rescue Plan Act (ARPA) Business/Non-Profit Grant Program

4.4 Approval of the Building Destruction Agreement for 901 Bunker Lake Boulevard NE

4.5 Approval of Resolution No. 22-12 accepting a \$5,000 donation from the Ham Lake Chamber of Commerce

4.6 Road Committee Recommendations:

- 1) Approval of Resolution No. 22-13 requiring “No Parking” on Central Avenue NE from 157<sup>th</sup> Avenue NE to Constance Boulevard NE

**Motion by Kirkham, seconded by Wilken, to approve the April 4, 2022 Consent Agenda as written. All present in favor, motion carried.**

### 5.0 PLANNING COMMISSION RECOMMENDATIONS

5.1 Jesse Osborne requesting Final Plat approval of Creekside Farms, a 9 lot Commercial Development located in Sections 7 and 8

**Motion by Kirkham, seconded by Wilken, to concur with the Planning Commission and approve the Final Plat of Creekside Farms, a 9 lot Commercial Development located in Sections 7 and 8 subject**

to applying for a Conditional Use Permit prior to construction of the heated storage buildings, installing No Truck and No Hauling signage along 167<sup>th</sup> Avenue NE, installation of six-foot tall colored, slatted privacy fence and ten-foot spaced pine trees as shown on the screening exhibit, following guidance provided in the Minnesota DNR Natural Heritage Review for Blanding Turtles, complying with Coon Creek Watershed District permit requirements, meeting the requirements of the City Engineer and meeting all City, State and County requirements. All present in favor, motion carried.

6.0 ECONOMIC DEVELOPMENT AUTHORITY – None

7.0 APPEARANCES - None

8.0 CITY ATTORNEY - None

9.0 CITY ENGINEER – None

10.0 CITY ADMINISTRATOR – None

11.0 COUNCIL BUSINESS

11.1 Committee Reports - None

11.2 Announcements and future agenda items - None

Motion by Kirkham, seconded by Kirkeide, to adjourn the meeting at 6:03 p.m. All present in favor, motion carried.

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Dawnette Shimek, Deputy City Clerk



**CITY OF HAM LAKE**  
**CLAIMS SUBMITTED TO COUNCIL**  
**April 18, 2022**

**CITY OF HAM LAKE**

<b>EFTS, CHECKS, AND BANK DRAFTS</b>	<b>04/07/22 - 04/20/22</b>	
EFT	# 1638 - 1645	\$ 52,135.83
REFUND CHECK		
MANUAL CHECK	# 63861	\$ 6,113.00
CHECKS	# 63862 - 63907	\$ 478,018.07
BANK DRAFTS	DFT0002354 - DFT0002359	\$ 23,858.89
<b>TOTAL EFTS, CHECKS, AND BANK DRAFTS</b>		<u>\$ 560,125.79</u>
<b>PAYROLL CHECKS</b>		
04/08/22		\$ 34,251.56
<b>TOTAL PAYROLL CHECKS</b>		<u>\$ 34,251.56</u>
<b>TOTAL OF ALL PAYMENTS</b>		<u><u>\$ 594,377.35</u></u>
<b>VOID CHECKS</b>		
CHECKS		
EFT		
BANK DRAFTS		

APPROVED BY THE HAM LAKE CITY COUNCIL THIS 18TH DAY OF APRIL 2022

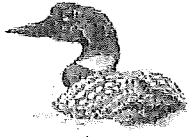
\_\_\_\_\_  
MAYOR

\_\_\_\_\_  
COUNCILMEMBER

\_\_\_\_\_  
COUNCILMEMBER

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COUNCILMEMBER

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COUNCILMEMBER



City of Ham Lake, MN

# Check Register

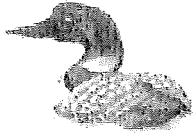
Packet: APPKT01570 - BARNITT EASEMENT PAID 4/5/22

By Check Number

Vendor Number	Vendor Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
<b>Bank Code: APBNK-A/P BANK</b>						
BARNITT	BENJAMIN & TORI BARNITT	04/05/2022	Regular	0.00	6,113.00	63861
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number	Account Name	Project Account Key	Item Description	Dist Amount		
<u>220405</u>	Invoice	04/05/2022	EASEMENT 4305 - 167TH AVENUE	0.00	6,113.00	
<u>431-43301-5130</u>	ROW Acquisition	201402.136-130	EASEMENT 4305 - 167TH A		6,113.00	

**Bank Code APBNK Summary**

Payment Type	Payable Count	Payment Count	Discount	Payment
Regular Checks	1	1	0.00	6,113.00
Manual Checks	0	0	0.00	0.00
Voided Checks	0	0	0.00	0.00
Bank Drafts	0	0	0.00	0.00
EFT's	0	0	0.00	0.00
	<b>1</b>	<b>1</b>	<b>0.00</b>	<b>6,113.00</b>



Payment Dates 4/7/2022 - 4/20/2022

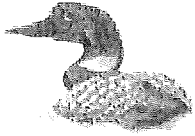
Payment Number	Vendor Name	Description (Item)	Account Name	Account Number	Amount
1638	OPTUM BANK - 6011	Health Savings Account-6011	Flexible spending	100-21705	54.17
1639	ARAMARK UNIFORM & CAREE	PW UNIFORMS	Clothing & personal protectiv	100-43101-2210	85.80
1639	ARAMARK UNIFORM & CAREE	FIRST AID CABINET	Safety supplies	100-43101-2240	12.00
1639	ARAMARK UNIFORM & CAREE	PARK UNIFORMS	Clothing & personal protectiv	100-44101-2210	25.76
1639	ARAMARK UNIFORM & CAREE	LOSS CHARGE JK	Clothing & personal protectiv	100-43101-2210	336.38
1639	ARAMARK UNIFORM & CAREE	PW UNIFORMS	Clothing & personal protectiv	100-43101-2210	72.87
1639	ARAMARK UNIFORM & CAREE	FIRST AID CABINET	Safety supplies	100-43101-2240	12.00
1639	ARAMARK UNIFORM & CAREE	PARK UNIFORMS	Clothing & personal protectiv	100-44101-2210	25.95
1640	MEDTOX LABORATORIES	DRUG TESTING	Personnel testing & recruitme	100-42201-3150	64.92
1641	RFC ENGINEERING, INC.	ABERDEEN, 144TH - 145TH	Engineering	431-43301-3135	175.76
1641	RFC ENGINEERING, INC.	155TH, NAPLES - LEXINGTON	Engineering	431-43301-3135	720.71
1641	RFC ENGINEERING, INC.	MEADOW PARK RECONSTRUC	Engineering	431-43301-3135	4,001.10
1641	RFC ENGINEERING, INC.	CREEK VALLEY RECONSTRUCTI	Engineering	431-43301-3135	1,400.30
1641	RFC ENGINEERING, INC.	POLK STREET	Engineering	431-43301-3135	2,811.91
1641	RFC ENGINEERING, INC.	TIPPECANOE STREET	Engineering	431-43301-3135	4,700.83
1641	RFC ENGINEERING, INC.	CROSTOWN BUSINESS PARK	Capital assets	262-46101-5110	8,855.86
1641	RFC ENGINEERING, INC.	17520 INTERLACHEN DRIVE L	Engineering	100-41101-3135	27.71
1641	RFC ENGINEERING, INC.	2020 - 21 ASSETS	Engineering	100-41101-3135	27.71
1641	RFC ENGINEERING, INC.	BASE MAP	Engineering	100-41101-3135	27.79
1641	RFC ENGINEERING, INC.	COUNCIL MEETING	Engineering	100-41101-3135	166.28
1641	RFC ENGINEERING, INC.	CURLS & PURLS HOP LABELS	Engineering	100-41101-3135	16.67
1641	RFC ENGINEERING, INC.	159TH AVE ROW VACATION	Engineering	100-41101-3135	41.57
1641	RFC ENGINEERING, INC.	HALF SECTION MAPS	Engineering	100-41101-3135	74.91
1641	RFC ENGINEERING, INC.	CITY CODE UPDATE	Personnel testing & recruitme	100-41101-3150	41.57
1641	RFC ENGINEERING, INC.	VOTING MAP	Personnel testing & recruitme	100-41101-3150	290.27
1641	RFC ENGINEERING, INC.	PLANNING/POTENTIAL DEVEL	Engineering	100-41601-3135	1,704.49
1641	RFC ENGINEERING, INC.	PLANNING COMMISSION MEE	Engineering	100-41601-3135	27.71
1641	RFC ENGINEERING, INC.	ZONING MAP	Engineering	100-41601-3135	27.71
1641	RFC ENGINEERING, INC.	CORONAVIRUS RRSAA FUNDI	Covid 19	100-41701-4153	138.57
1641	RFC ENGINEERING, INC.	RAISE GRANT	Covid 19	100-41701-4153	83.14
1641	RFC ENGINEERING, INC.	L1 B2 ENTERPRISE PLAZA 2ND	Engineering	100-42401-3135	83.14
1641	RFC ENGINEERING, INC.	HAM LAKE BUILDING PERMIT	Engineering	100-42401-3135	51.92
1641	RFC ENGINEERING, INC.	PUBLIC WORKS TRAFFIC SIGN	Engineering	100-43101-3135	13.86
1641	RFC ENGINEERING, INC.	CCWD RULES AMENDMENTS	Engineering	100-43201-3135	126.87
1641	RFC ENGINEERING, INC.	URRWMO 2022 BUDGET	Engineering	100-43201-3135	83.14
1641	RFC ENGINEERING, INC.	URRWMO 2023 BUDGET	Engineering	100-43201-3135	55.42
1641	RFC ENGINEERING, INC.	SRWMO 2023 BUDGET	Engineering	100-43201-3135	374.11
1641	RFC ENGINEERING, INC.	13734 RADISSON ROAD BASE	Engineering	100-43201-3135	38.06
1641	RFC ENGINEERING, INC.	2020 SWPPP UPDATE	Engineering	100-43201-3135	27.71
1641	RFC ENGINEERING, INC.	NPDES	Engineering	230-43201-3135	69.28
1641	RFC ENGINEERING, INC.	FIRE #3	Capital assets	420-42201-5110	8,181.87
1641	RFC ENGINEERING, INC.	POLK STREET TREE CLEARING	Engineering	431-43301-3135	657.28
1641	RFC ENGINEERING, INC.	2022 REHAB	Engineering	431-43301-3135	1,242.25
1641	RFC ENGINEERING, INC.	181ST, CONCORD - 65	Engineering	431-43301-3135	2,073.04
1641	RFC ENGINEERING, INC.	MEADOW PARK TREE CLEARI	Engineering	431-43301-3135	657.27
1641	RFC ENGINEERING, INC.	CREEK VALLEY TREE CLEARING	Engineering	431-43301-3135	657.28
1641	RFC ENGINEERING, INC.	TIPPECANOE TREE CLEARING	Engineering	431-43301-3135	657.28
1641	RFC ENGINEERING, INC.	HARMONY ESTATES 3RD	Engineering	890-90001-3135	3,571.64
1641	RFC ENGINEERING, INC.	MAGERS MEADOWS	Engineering	890-90001-3135	592.30
1641	RFC ENGINEERING, INC.	ENTSMINGER FARMS	Engineering	890-90001-3135	442.30
1641	RFC ENGINEERING, INC.	CONSTANCE BOULEVARD TER	Engineering	890-90001-3135	135.93
1641	RFC ENGINEERING, INC.	831 - 159TH M&B - BRAASTA	Engineering	890-90001-3135	318.69
1641	RFC ENGINEERING, INC.	CROSTOWN ROLLING ACRES	Engineering	890-90001-3135	171.98
1641	RFC ENGINEERING, INC.	BLUEGRASS ESTATES 3RD	Engineering	890-90001-3135	41.57

Payment Number	Vendor Name	Description (Item)	Account Name	Account Number	Amount
1641	RFC ENGINEERING, INC.	13856 RADISSON ROAD LOT LI	Engineering	890-90001-3135	332.54
1641	RFC ENGINEERING, INC.	GROUP PERMIT BILLING	Engineering	100-43501-3135	2,003.60
1641	RFC ENGINEERING, INC.	MSA GROUP BILLING	Engineering	431-43301-3135	2,670.65
1643	STAR TRIBUNE MEDIA COMPA	CURLS & PURLS (HOP, NOT SP	Legal notices/publications/bid	100-41101-3950	50.40
1643	STAR TRIBUNE MEDIA COMPA	ORD 22-02 BARKING DOGS	Legal notices/publications/bid	100-41102-3950	70.56
1643	STAR TRIBUNE MEDIA COMPA	BID NOTICE - 2022 BITUMINO	Legal notices/publications/bid	431-43301-3950	99.36
1643	STAR TRIBUNE MEDIA COMPA	ORD 22-03 ENTSMINGER FAR	Engineering	890-90001-3135	246.24
1644	SUSAN KNOUSE	JAN - MAR 21ST CENTURY BA	Mileage	100-41401-3960	12.87
1645	WRUCK SEWER & PORTABLE	JAN LION'S PLAYGROUND REN	Rentals-other	100-44101-3390	45.50
1645	WRUCK SEWER & PORTABLE	JAN HAM LAKE BOAT LANDIN	Rentals-other	100-44101-3390	45.50
1645	WRUCK SEWER & PORTABLE	FEB LION'S PLAYGROUND REN	Rentals-other	100-44101-3390	45.50
1645	WRUCK SEWER & PORTABLE	FEB HAM LAKE BOAT LANDIN	Rentals-other	100-44101-3390	45.50
1645	WRUCK SEWER & PORTABLE	MAR HAM LAKE BOAT LANDI	Rentals-other	100-44101-3390	45.50
1645	WRUCK SEWER & PORTABLE	MAR LION'S PLAYGROUND RE	Rentals-other	100-44101-3390	45.50
63862	ACCESS	MARCH SHREDDING	Waste management & recycli	231-43601-3630	137.20
63863	ACE SOLID WASTE INC	APRIL ORGANICS	Waste management & recycli	231-43601-3630	322.91
63864	ALL CITY ELEVATOR INC	2ND QTR MAINTENANCE	Building repair & maintenanc	100-41702-3420	202.00
63865	ANOKA COUNTY PROPERTY	KING EASEMENT FILING 181ST	Filing fees	431-43301-3980	46.00
63866	ANOKA COUNTY PROPERTY	HAM LAKE BOAT LAUNCH	Waste management & recycli	100-44102-3630	53.24
63867	ANOKA COUNTY PROPERTY	PW WASTE MANAGEMENT	Waste management & recycli	100-43104-3630	77.77
63867	ANOKA COUNTY PROPERTY	LION'S WASTE MANAGEMENT	Waste management & recycli	100-44102-3630	77.77
63868	ANOKA COUNTY PROPERTY	CITY HALL WASTE MANAGEM	Waste management & recycli	100-41702-3630	181.72
63868	ANOKA COUNTY PROPERTY	FIRE #1 WASTE MANAGEMEN	Waste management & recycli	100-42202-3630	181.72
63868	ANOKA COUNTY PROPERTY	SR CENTER WASTE MANAGE	Waste management & recycli	100-44202-3630	181.72
63869	ANOKA COUNTY PROPERTY	FIRE #2 WASTE MANAGEMEN	Waste management & recycli	100-42202-3630	155.54
63870	ANOKA COUNTY PROPERTY	HAM LAKE PARK WASTE MAN	Waste management & recycli	100-44102-3630	69.14
63871	ANOKA COUNTY TREASURY D	2ND QTR LAW ENFORCEMENT	Police protection	100-42101-3155	323,048.75
63872	ANOKA COUNTY TREASURY D	LIDAR COST SHARE	Engineering	100-41101-3135	2,500.00
63873	ARCHITECT MECHANICAL INC	PM REPAIRS	Building repair & maintenanc	100-41702-3420	5,505.00
63874	BAKER TILLY US LLP	1ST QTR ARPA SMALL BUSINE	Covid 19	100-41701-4153	10,115.00
63875	BJORKLUND TRUCKING LLC	28 TN GRAVEL	Gravel Maintenance	100-43101-3415	644.00
63876	CARSON, CLELLAND, & SCHRE	TOWER LEASES	Attorney	100-41101-3110	122.50
63876	CARSON, CLELLAND, & SCHRE	CENTRAL AVENUE SUBDIVISIO	Attorney	100-41101-3110	122.50
63876	CARSON, CLELLAND, & SCHRE	COMMERCIAL CONDOMINIU	Attorney	100-41101-3110	105.00
63876	CARSON, CLELLAND, & SCHRE	COUNCIL MEETINGS	Attorney	100-41101-3110	90.00
63876	CARSON, CLELLAND, & SCHRE	QUIET TITLE ACTION	Attorney	100-41101-3110	87.50
63876	CARSON, CLELLAND, & SCHRE	TIPPECANOE ENCROACHMEN	Attorney	100-41101-3110	52.50
63876	CARSON, CLELLAND, & SCHRE	FIREFIGHTERS	Attorney	100-41101-3110	35.00
63876	CARSON, CLELLAND, & SCHRE	CHARTER PROVISION	Attorney	100-41101-3110	52.50
63876	CARSON, CLELLAND, & SCHRE	TOBACCO ORDINANCE	Attorney	100-41102-3110	87.50
63876	CARSON, CLELLAND, & SCHRE	PROSECUTIONS	Attorney	100-41501-3110	6,500.00
63876	CARSON, CLELLAND, & SCHRE	DRESSEL CONTRACTING - 155	Attorney	431-43301-3110	70.00
63876	CARSON, CLELLAND, & SCHRE	167TH VADIS-DAVIS EASEMEN	Attorney	431-43301-3110	35.00
63876	CARSON, CLELLAND, & SCHRE	831 - 159TH LOT LINE ADJ	Attorney	890-90001-3110	70.00
63877	CASPER'S EXCAVATING, INC.	PW SEPTIC PUMPING (1500 G	Building repair & maintenanc	100-43104-3420	375.00
63878	CENTERPOINT ENERGY	CITY HALL	Natural gas	100-41702-3620	736.94
63878	CENTERPOINT ENERGY	FIRE #1	Natural gas	100-42202-3620	466.40
63878	CENTERPOINT ENERGY	FIRE #2	Natural gas	100-42202-3620	752.72
63878	CENTERPOINT ENERGY	PW	Natural gas	100-43104-3620	2,380.98
63878	CENTERPOINT ENERGY	H.L. PARK PAVILION	Natural gas	100-44102-3620	154.80
63878	CENTERPOINT ENERGY	H.L. PARK BUILDING	Natural gas	100-44102-3620	694.39
63878	CENTERPOINT ENERGY	SR CENTER	Natural gas	100-44202-3620	396.81
63879	CENTURY COLLEGE	PUMPING & ARIEL OPERATIO	Training/conferences/schools	100-42201-3510	90.00
63880	CITY OF ROSEVILLE	2022 DW LASERFICHE & ADO	Software licenses & upgrades	100-41201-2510	26.64
63880	CITY OF ROSEVILLE	2022 DS, LASERFICHE & ADOB	Software licenses & upgrades	100-41301-2510	26.64
63880	CITY OF ROSEVILLE	2022 AM, SK LASERFICHE & A	Software licenses & upgrades	100-41401-2510	53.27
63880	CITY OF ROSEVILLE	2022 JB LASERFICHE & ADOBE	Software licenses & upgrades	100-41601-2510	26.64
63880	CITY OF ROSEVILLE	PHONES	Phones/radios/pagers	100-41701-3210	187.17
63880	CITY OF ROSEVILLE	IT SERVICE	Computer & software support	100-41707-3120	4,398.75
63880	CITY OF ROSEVILLE	2022 TM, MR LASERFICHE & A	Software licenses & upgrades	100-42201-2510	32.47

Payment Number	Vendor Name	Description (Item)	Account Name	Account Number	Amount
63880	CITY OF ROSEVILLE	PHONES	Phones/radios/pagers	100-42201-3210	78.00
63880	CITY OF ROSEVILLE	2022 NW, TD, LASERFICHE &	Software licenses & upgrades	100-42401-2510	59.11
63880	CITY OF ROSEVILLE	PHONES	Phones/radios/pagers	100-42401-3210	93.59
63880	CITY OF ROSEVILLE	2022 JW ADOBE LICENSE	Software licenses & upgrades	100-43101-2510	5.84
63880	CITY OF ROSEVILLE	PHONES	Phones/radios/pagers	100-43101-3210	46.75
63880	CITY OF ROSEVILLE	PHONES	Phones/radios/pagers	100-44101-3210	15.58
63880	CITY OF ROSEVILLE	PHONES	Phones/radios/pagers	100-44201-3210	62.42
63881	CONNEXUS ENERGY	CITY HALL	Electricity	100-41702-3610	768.43
63881	CONNEXUS ENERGY	GARAGE	Electricity	100-41702-3610	30.70
63881	CONNEXUS ENERGY	CITY SIGN	Electricity	100-41703-3610	89.43
63881	CONNEXUS ENERGY	SOUTH WELCOME	Electricity	100-41703-3610	14.54
63881	CONNEXUS ENERGY	FIRE #1	Electricity	100-42202-3610	372.83
63881	CONNEXUS ENERGY	FIRE #2	Electricity	100-42202-3610	240.53
63881	CONNEXUS ENERGY	SIRENS	Electricity	100-42302-3610	65.00
63881	CONNEXUS ENERGY	PW	Electricity	100-43104-3610	913.98
63881	CONNEXUS ENERGY	STREET LIGHTS #2	Electricity	100-43401-3610	263.76
63881	CONNEXUS ENERGY	STREET LIGHTS #1	Electricity	100-43401-3610	24.09
63881	CONNEXUS ENERGY	RADISSON/BUNKER SIGNALS	Electricity	100-43401-3610	74.55
63881	CONNEXUS ENERGY	BUNKER/JEFFERSON SIGNALS	Electricity	100-43401-3610	59.31
63881	CONNEXUS ENERGY	LEXINGTON/CROSSTOWN SIG	Electricity	100-43401-3610	45.58
63881	CONNEXUS ENERGY	HWY 65/BUNKER SIGNALS	Electricity	100-43401-3610	75.24
63881	CONNEXUS ENERGY	BUNKER/LEXINGTON SIGNALS	Electricity	100-43401-3610	60.47
63881	CONNEXUS ENERGY	HWY 65/CONSTANCE SIGNALS	Electricity	100-43401-3610	106.52
63881	CONNEXUS ENERGY	CROSSTOWN/HWY 65 SIGNAL	Electricity	100-43401-3610	68.43
63881	CONNEXUS ENERGY	HWY 65/ANDOVER BLVD SIGN	Electricity	100-43401-3610	69.36
63881	CONNEXUS ENERGY	HAM LAKE PARK	Electricity	100-44101-3610	122.37
63881	CONNEXUS ENERGY	SODERVILLE PARK	Electricity	100-44101-3610	35.63
63881	CONNEXUS ENERGY	SODERVILLE PARK WELL	Electricity	100-44101-3610	13.50
63881	CONNEXUS ENERGY	HAM LAKE PARK BUILDING	Electricity	100-44102-3610	171.37
63881	CONNEXUS ENERGY	HAM LAKE PARK CONCESSION	Electricity	100-44102-3610	19.16
63881	CONNEXUS ENERGY	HAM LAKE PARK SHELTER	Electricity	100-44102-3610	27.47
63881	CONNEXUS ENERGY	LION'S PARK CONCESSION	Electricity	100-44102-3610	27.81
63881	CONNEXUS ENERGY	LION'S PARK PAVILION	Electricity	100-44102-3610	48.95
63881	CONNEXUS ENERGY	SR CENTER	Electricity	100-44202-3610	413.77
63881	CONNEXUS ENERGY	STREET LIGHTS	Electricity	232-43701-3610	4,440.49
63883	DEHN OIL CO	311 GAL GASOLINE	Fuel	100-43101-2230	1,083.84
63883	DEHN OIL CO	201.4 GAL DIESEL	Fuel	100-43101-2230	859.98
63884	ECM PUBLISHERS INC	HELP WANTED - PW SEASONA	Advertising for employment	100-43101-3910	127.60
63884	ECM PUBLISHERS INC	HELP WANTED - MECHANIC	Advertising for employment	100-43101-3910	268.00
63884	ECM PUBLISHERS INC	HELP WANTED - MECHANIC	Advertising for employment	100-43101-3910	248.00
63885	FIRE EQUIPMENT SPECIALTIES	COATS & PANTS	Clothing & personal protectiv	100-42201-2210	19,341.00
63886	FIRE SAFETY USA INC	CLASS A FOAM	Operating supplies	100-42201-2290	615.00
63887	GRATITUDE FARMS	MARCH ANIMAL CONTROL	Other professional services	100-42501-3190	250.00
63888	HAM LAKE HARDWARE INC	GORILLA SUPER GLUE	Operating supplies	100-41701-2290	7.99
63888	HAM LAKE HARDWARE INC	LIQUID DRAIN OPENER	Operating supplies	100-43101-2290	39.98
63889	INDEPENDENT TESTING TECH	FIRE #3 BORINGS & ANALYSIS	Capital assets	420-42201-5110	560.00
63890	INSPIRE ARCHITECTS	FIRE #3	Capital assets	420-42201-5110	20,856.99
63891	LINCOLN NATIONAL LIFE INSU	MAY CH LT DISABILITY	Other payroll deductions	100-21706	5.08
63891	LINCOLN NATIONAL LIFE INSU	MAY CH ST DISABILITY	Other payroll deductions	100-21706	44.56
63891	LINCOLN NATIONAL LIFE INSU	MAY LT DISABILITY	Other payroll deductions	100-21706	403.35
63891	LINCOLN NATIONAL LIFE INSU	MAY ST DISABILITY	Other payroll deductions	100-21706	761.41
63892	MCCLELLAN SALES INC	GLOVES & RAIN PANTS	Safety supplies	100-43101-2240	184.27
63893	MENARDS-BLAINE	DRAIN AUGER, BRASS NOZZLE	Operating supplies	100-43101-2290	32.96
63893	MENARDS-BLAINE	CLEANING SUPPLIES	Operating supplies	100-43101-2290	39.72
63893	MENARDS-BLAINE	BREAK ROOM	Capital assets	412-41702-5110	45.44
63893	MENARDS-BLAINE	NUT DRIVER & BOARD	Operating supplies	100-43101-2290	15.18
63893	MENARDS-BLAINE	BREAK ROOM PAINT	Capital assets	412-41702-5110	-21.77
63893	MENARDS-BLAINE	BREAK ROOM	Capital assets	412-41702-5110	22.76
63893	MENARDS-BLAINE	BREAK ROOM COUNTERTOP	Capital assets	412-41702-5110	129.51
63893	MENARDS-BLAINE	NEW DOCK BOARDS	Operating supplies	100-44101-2290	136.21

Payment Number	Vendor Name	Description (Item)	Account Name	Account Number	Amount
63893	MENARDS-BLAINE	BREAK ROOM	Capital assets	412-41702-5110	74.60
63893	MENARDS-BLAINE	BREAK ROOM	Capital assets	412-41702-5110	-16.96
63893	MENARDS-BLAINE	TRASH BAGS, DISH SOAP	Operating supplies	100-43101-2290	10.92
63893	MENARDS-BLAINE	BREAK ROOM	Capital assets	412-41702-5110	20.36
63893	MENARDS-BLAINE	BREAK ROOM SUPPLIES	Capital assets	412-41702-5110	21.16
63894	MENARDS-CR	BREAK ROOM	Capital assets	412-41702-5110	190.93
63894	MENARDS-CR	FAUCHET RETURN	Capital assets	412-41702-5110	-79.99
63894	MENARDS-CR	REBATE #2402 USED	Misc receivables	100-11501	-7.30
63894	MENARDS-CR	UNKNOWN RETURN? USED	Operating supplies	100-43101-2290	-11.77
63894	MENARDS-CR	BREAK ROOM SUPPLIES	Capital assets	412-41702-5110	333.49
63895	MN DEPARTMENT OF LABOR	2ND QTR 2021 ADD'L SURCHA	Surcharge	100-22801	4,084.12
63895	MN DEPARTMENT OF LABOR	1ST QTR SURCHARGE	Surcharge	100-22801	3,736.78
63896	MN FIRE SERVICE CERT BOAR	FIRE OFFICER I CERT EXAM - B	Training/conferences/schools	100-42201-3510	240.00
63897	MN PEIP	MAY HEALTH INSURANCE	Flexible spending	100-21705	13,336.88
63898	NEWMAN TRAFFIC SIGNS INC	SIGN BLANKS AND POSTS	Street signs	100-43401-2250	953.55
63899	NUSS EQUIPMENT GROUP LL	#80 COOLANT LEAK REPAIR	Vehicle repair & maintenance	100-43101-3470	4,931.30
63900	POMP'S TIRE SERVICE, INC.	E2 VALVE EXTENSION REPAIR	Equipment repair & maintena	100-42201-3440	220.10
63901	PREMIUM WATERS INC	APRIL WATER COOLER RENTAL	Equipment rentals	100-41701-3320	14.00
63901	PREMIUM WATERS INC	MARCH WATER	Equipment rentals	100-41701-3320	36.45
63902	QUADIENT LEASING USA INC	MAY - JUL POSTAGE METER LE	Equipment rentals	100-41701-3320	462.06
63903	RIVARD COMPANIES	TREE REMOVAL CREEK VALLEY	Contractors	431-43301-3810	13,480.50
63903	RIVARD COMPANIES	TREE REMOVAL POLK	Contractors	431-43301-3810	10,212.50
63903	RIVARD COMPANIES	TREE REMOVAL TIPPECANOE	Contractors	431-43301-3810	7,923.00
63903	RIVARD COMPANIES	TREE REMOVAL MEADOW PA	Contractors	431-43301-3810	427.50
63904	SMITH BROTHERS DECORATIN	BREAK ROOM PAINT	Capital assets	412-41702-5110	57.71
63905	TDS METROCOM INC	763-434-0454 ELEVATOR	Phones/radios/pagers	100-41701-3210	39.02
63905	TDS METROCOM INC	763-434-9605 FIRE #2	Phones/radios/pagers	100-42201-3210	37.02
63906	VERIZON WIRELESS	612-916-1358 SR CTR	Phones/radios/pagers	100-44201-3210	8.52
63907	WRIGHT-HENNEPIN COOPERA	APRIL SECURITY MONITORING	Monitoring	100-41702-3145	32.95
63907	WRIGHT-HENNEPIN COOPERA	APRIL ELEVATOR MONITORIN	Monitoring	100-41702-3145	10.00
63907	WRIGHT-HENNEPIN COOPERA	APRIL PW FIRE PANEL MONIT	Monitoring	100-43104-3145	52.95
63907	WRIGHT-HENNEPIN COOPERA	PW FIRE PANEL UNIVERSAL C	Monitoring	100-43104-3145	375.00
DFT0002354	COMPENSATION CONSULTAN	Health Savings Account	Flexible spending	100-21705	333.32
DFT0002355	EMPOWER	Deferred Compensation	Deferred compensation	100-21704	1,520.00
DFT0002355	EMPOWER	Roth IRA	Deferred compensation	100-21704	100.00
DFT0002356	IRS-Payroll Tax	Federal Withholding	Federal WH/FICA/MC	100-21701	4,743.75
DFT0002356	IRS-Payroll Tax	Medicare Payable	Federal WH/FICA/MC	100-21701	1,460.54
DFT0002356	IRS-Payroll Tax	Social Security Payable	Federal WH/FICA/MC	100-21701	5,787.88
DFT0002357	MN STATE DEPT OF REVENUE-	MN State Withholding	State W/H	100-21702	2,159.59
DFT0002358	PERA	Retirement-Coordinated	PERA	100-21703	6,467.04
DFT0002358	PERA	Retirement-Police & Fire	PERA	100-21703	1,086.98
DFT0002359	MN STATE DEPT OF REVENUE-	MARCH '22 FUEL TAX	Fuel	100-43101-2230	199.79

**Grand Total: 554,012.79**



City of Ham Lake, MN

# EFT Payroll Check Register Report Summary

Pay Period: 3/20/2022-4/2/2022

Packet: PYPKT01310 - PPE 4/2/22 PAID 4/8/22  
Payroll Set: City of Ham Lake - 01

Type	Count	Amount
Regular Checks	0	0.00
Manual Checks	0	0.00
Reversals	0	0.00
Voided Checks	0	0.00
Direct Deposits	35	34,251.56
<b>Total</b>	<b>35</b>	<b>34,251.56</b>



Meeting Date: April 18, 2022

**CITY OF HAM LAKE**

**STAFF REPORT**

**To: Mayor and Councilmembers**

**From: Andrea Murff, Finance Director**

**Subject: Twin Cities Gateway Grant Agreement**

**Introduction/Discussion:** Twin Cities Gateway (TCG) has informed us that Ham Lake is eligible to receive \$5,710 for marketing and promotional expenses to increase participation or enhance an event happening within the City.

The necessary invoices for the expenditures and the reimbursement requests will be added to a future Council's bill list for approval once the grant is received.

**Recommendation:** I recommend approval of the 2022 Member City Grant Agreement with Twin Cities Gateway.

## Ham Lake 2022 Member City Grant Agreement

This Agreement between the City of Ham Lake, 15544 Central Avenue NE, Ham Lake, MN 55304 there in after the "City," and Twin Cities Gateway, a Minnesota non-profit corporation, 10801 Town Square Drive, Blaine, MN 55449, hereinafter the "Bureau," contains the terms and conditions for a grant to the City in the amount of \$5,710 from the Bureau to the City.

Whereas the grant funding provided is based on local option lodging taxes collected by the City and the eight other member cities of the Bureau and

Whereas the City agrees to expend the grant funding in compliance with MN Statute 469.10 which states that gross proceeds from any tax imposed shall be used for the purpose of marketing and promoting the City as a tourist or convention center and

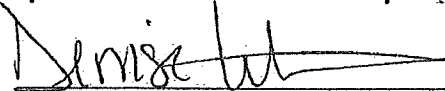
Whereas the Bureau has specified that grant funds must be used for advertising, marketing, and promotional efforts to increase participation, attendance, or visitation to an event, activity, or facility located within the City, and / or to add new activities to enhance existing events, and

Whereas the Bureau specifies that advertising, marketing, and promotional efforts for which said grant funding is used must extend beyond the borders, or boundaries of the City and

*Whereas it is agreed that prior to December 31, 2022, the City of Ham Lake will provide an overview of how the Bureau grant funding was used, as well as provide documentation of expenses via copies of actual receipts or invoices in accordance with this Agreement and*

Now by execution of this Agreement, the City and the Bureau agree to and approve the terms.

By: \_\_\_\_\_ City of Ham Lake



Signature  
Date: 4/1/2022

By: Al Stauffacher / Twin Cities Gateway



Signature  
Date: 4/1/2022

## Memorandum

Date: April 14, 2022  
To: Mayor and Councilmembers  
From: Tom Collins, City Engineer *TPC*  
Subject: MnDOT Master Partnership Contract

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### **Introduction:**

The City of Ham Lake approved entering into a 5-year Master Partnership Contract with MnDOT at the August 7, 2017 City Council meeting. Resolution 17-29 is attached. The Master Partnership Contract will expire June 30<sup>th</sup>. A new Master Partnership Contract is proposed for fiscal years 2023 thru 2027 (July 1, 2022 – June 30, 2027).

MnDOT requires Independent Assurance sampling and testing on state aid projects. Independent Assurance is used to ensure that testers are MnDOT certified, that proper testing procedures are being followed, that test equipment used is calibrated and through the use of companion sampling and testing, ensures that variances in the results between Quality Assurance and Quality Control are within tolerance limits. Typical service requests are for bituminous plant monitoring and concrete plant monitoring, along with material sample testing.

### **Discussion:**

The purpose of the Master Partnership Contract is to provide a mechanism for the sharing of resources and/or transfer of funding for services provided. The Master Partnership Contract allows funds received by MnDOT to be directed to the functional unit providing the services, thus allowing that unit to remain fully staffed and available to provide services to local partners. All fees associated with the Master Partnership Contract are 100% state aid fund reimbursable.

### **Recommendation:**

Approve the Master Partnership Contract by Resolution.

**RESOLUTION NO. 22-XX**

**WHEREAS**, The Minnesota Department of Transportation (MnDOT) wishes to cooperate closely with local units of government to coordinate the delivery of transportation services and maximize the efficient delivery of such services at all levels of government; and

**WHEREAS**, MnDOT and local governments are authorized by Minnesota Statutes sections 471.59, 174.02, and 161.20, to undertake collaborative efforts for the design, construction, maintenance and operation of state and local roads; and

**WHEREAS**, the parties wish to be able to respond quickly and efficiently to such opportunities for collaboration, and have determined that having the ability to write “work orders” against a Master Partnership Contract would provide the greatest speed and flexibility in responding to identified needs.

**NOW THEREFORE, BE IT RESOLVED by the City Council of the City of Ham Lake:**

1. That the City of Ham Lake enter into a Master Partnership Contract with the Minnesota Department of Transportation, a copy of which was before the City Council.
2. That the property City of Ham Lake officers are authorized to execute such contract, and any amendments thereto.
3. That the City Engineer is authorized to negotiate work order contracts pursuant to the Master Partnership Contract, which work order contracts may provide for payment to or from MnDOT, and that the City Engineer may execute such work order contracts on behalf of the City of Ham Lake without further approval by this City Council.

**Adopted by a unanimous vote of the Ham Lake City Council this 18<sup>th</sup> day of April, 2022.**

\_\_\_\_\_  
Brian Kirkham, Acting Mayor

\_\_\_\_\_  
Denise Webster, City Clerk

**RESOLUTION NO. 17-29**

**WHEREAS**, The Minnesota Department of Transportation (MnDOT) wishes to cooperate closely with local units of government to coordinate the delivery of transportation services and maximize the efficient delivery of such services at all levels of government; and


**WHEREAS**, MnDOT and local governments are authorized by Minnesota Statutes sections 471.59, 174.02, and 161.20, to undertake collaborative efforts for the design, construction, maintenance and operation of state and local roads; and

**WHEREAS**, the parties wish to be able to respond quickly and efficiently to such opportunities for collaboration, and have determined that having the ability to write "work orders" against a Master Partnership Contract would provide the greatest speed and flexibility in responding to identified needs.

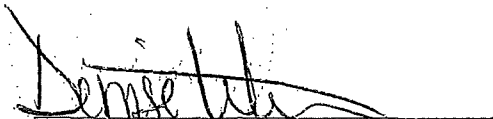
**NOW THEREFORE, BE IT RESOLVED by the City Council of the City of Ham Lake:**

1. That the City of Ham Lake enter into a Master Partnership Contract with the Minnesota Department of Transportation, a copy of which was before the City Council.
2. The Mayor and City Clerk is authorized to execute such Contract, and any amendments hereto.
3. That the City Engineer is authorized to negotiate work order contracts pursuant to the Master Partnership Contract, which work order contracts may provide for payment to or from MnDOT, and that the City Engineer may execute such work order contracts on behalf of the City of Ham Lake without further approval by this City Council.

**Adopted by a unanimous vote of the Ham Lake City Council this 7th day of August, 2017.**



Michael G. Van Kirk, Mayor



Denise Webster, City Clerk

Metro State Aid  
1500 County Road B2, Roseville, MN 55113

651-234-7773  
sharon.lemay@state.mn.us

To: Local Agency  
RE: **Proposed Master Partnership Contract**

Date: April 11, 2022

Attached is a copy of a proposed master partnership contract between the Minnesota Department of Transportation (Mn/DOT) and your Local Agency.

The Master Partnership Contract provides a framework for Mn/DOT and Local Agencies to provide services and payment to each other. A few MnDOT provided routine services are included in the contract—see Exhibit A— but all other services require work orders describing costs and scope.

Kindly review the enclosed document and if acceptable, arrange to have it presented to your Council/Board for their approval and execution. Please provide signatures only under the **Local Government** heading.

Also required is a new resolution passed by the Council/Board authorizing its officials to sign and execute the agreement on its behalf. **(Only the named officials may sign the agreement: if anyone else signs in the named official's place, the agreement will not be executed.)**

Please return to me at [sharon.lemay@state.mn.us](mailto:sharon.lemay@state.mn.us). Please note that no work shall be performed by Mn/DOT personnel until the full execution of the agreement. After execution by Mn/DOT and other State officials, a copy of the agreement will be returned to you.

If you have any questions or require additional information, please feel free to contact me at 651-234-7773. If your local agency will not be executing this contract, please send me an email informing me of this so I can remove you from our list.

Thank You

Sharon LeMay, Metro State Aid

An Equal Opportunity Employer





**STATE OF MINNESOTA  
AND  
CITY OF HAM LAKE  
MASTER PARTNERSHIP CONTRACT**

This master contract is between the State of Minnesota, acting through its Commissioner of Transportation in this contract referred to as the "State" and the City of Ham Lake, acting through its City Council in this contract referred to as the "Local Government."

**Recitals**

1. The parties are authorized to enter into this contract pursuant to Minnesota Statutes, §§15.061, 471.59 and 174.02.
2. Minn. Stat. § 161.20, subd. 2, authorizes the Commissioner of Transportation to make arrangements with and cooperate with any governmental authority for the purposes of constructing, maintaining and improving the trunk highway system.
3. Each party to this contract is a "road authority" as defined by Minn. Stat. §160.02, subd. 25.
4. Minn. Stat. § 161.39, subd. 1, authorizes a road authority to perform work for another road authority. Such work may include providing technical and engineering advice, assistance and supervision, surveying, preparing plans for the construction or reconstruction of roadways, and performing roadway maintenance.
5. Minn. Stat. §174.02, subd. 6, authorizes the Commissioner of Transportation to enter into contracts with other governmental entities for research and experimentation; for sharing facilities, equipment, staff, data, or other means of providing transportation-related services; or for other cooperative programs that promote efficiencies in providing governmental services, or that further development of innovation in transportation for the benefit of the citizens of Minnesota.
6. Each party wishes to occasionally purchase services from the other party, which the parties agree will enhance the efficiency of delivering governmental services at all levels. This Master Partnership Contract (MPC) provides a framework for the efficient handling of such requests. This MPC contains terms generally governing the relationship between the parties. When specific services are requested, the parties will (unless otherwise specified) enter into a "Work Order" contracts.
7. After the execution of this MPC, the parties may (but are not required to) enter into "Work Order" contracts. These Work Orders will specify the work to be done, timelines for completion, and compensation to be paid for the specific work.
8. The parties are entering into this MPC to establish terms that will govern all of the Work Orders subsequently issued under the authority of this Contract.

**Master Partnership Contract**

**1. Term of Master Partnership Contract; Use of Work Order Contracts; Survival of Terms**

- 1.1. **Effective Date:** This contract will be effective on the date last signed by the Local Government, and all State officials as required under Minn. Stat. § 16C.05, subd. 2.
- 1.2. A party must not accept work under this Contract until it is fully executed.
- 1.3. **Expiration Date.** This Contract will expire on June 30, 2022.



- 1.4. **Work Order Contracts.** A work order contract must be negotiated and executed (by both the State and the Local Government) for each particular engagement, except for Technical Services provided by the State to the Local Government as specified in Article 2. The work order contract must specify the detailed scope of work and deliverables for that project. A party must not begin work under a work order until the work order is fully executed. The terms of this MPC will apply to all work orders contracts issued, unless specifically varied in the work order. The Local Government understands that this MPC is not a guarantee of any payments or work order assignments, and that payments will only be issued for work actually performed under fully-executed work orders.
- 1.5. **Survival of Terms.** The following clauses survive the expiration or cancellation of this master contract and all work order contracts: 12. Liability; 13. State Audits; 14. Government Data Practices and Intellectual Property; 17. Publicity; 18. Governing Law, Jurisdiction, and Venue; and 22. Data Disclosure. All terms of this MPC will survive with respect to any work order contract issued prior to the expiration date of the MPC.
- 1.6. **Sample Work Order.** A sample work order contract is available upon request from the State.
- 1.7. **Definition of "Providing Party" and "Requesting Party".** For the purpose of assigning certain duties and obligations in the MPC to work order contracts, the following definitions will apply throughout the MPC. "Requesting Party" is defined as the party requesting the other party to perform work under a work order contract. "Providing Party" is defined as the party performing the scope of work under a work order contract.

## 2. Technical Services

- 2.1. **Technical Services** include repetitive low-cost services routinely performed by the State for the Local Government. These services may be performed by the State for the Local Government without the execution of a work order, as these services are provided in accordance with standardized practices and processes and do not require a detailed scope of work. Exhibit A – Table of Technical Services is attached.
  - 2.1.1. Every other service not falling under the services listed in Exhibit A will require a work order contract.
- 2.2. The Local Government may request the State to perform Technical Services in an informal manner, such as by the use of email, a purchase order, or by delivering materials to a State lab and requesting testing. A request may be made via telephone, but will not be considered accepted unless acknowledged in writing by the State.
- 2.3. The State will promptly inform the Local Government if the State will be unable to perform the requested Technical Services. Otherwise, the State will perform the Technical Services in accordance with the State's normal processes and practices, including scheduling practices taking into account the availability of State staff and equipment.
- 2.4. **Payment Basis.** Unless otherwise agreed to by the parties prior to performance of the services, the State will charge the Local Government the State's then-current rate for performing the Technical Services. The then-current rate may include the State's normal and customary additives. The State will invoice the Local Government upon completion of the services, or at regular intervals not more than once monthly as agreed upon by the parties. The invoice will provide a summary of the Technical Services provided by the State during the invoice period.

## 3. Services Requiring A Work Order Contract

- 3.1. **Work Order Contracts:** A party may request the other party to perform any of the following services under individual work order contracts.

- 3.2. **Professional and Technical Services.** A party may provide professional and technical services upon the request of the other party. As defined by Minn. Stat. §16C.08, subd. 1, professional/technical services “means services that are intellectual in character, including consultation, analysis, evaluation, prediction, planning, programming, or recommendation; and result in the production of a report or completion of a task.” Professional and technical services do not include providing supplies or materials except as incidental to performing such services. Professional and technical services include (by way of example and without limitation) engineering services, surveying, foundation recommendations and reports, environmental documentation, right-of-way assistance (such as performing appraisals or providing relocation assistance, but excluding the exercise of the power of eminent domain), geometric layouts, final construction plans, graphic presentations, public relations, and facilitating open houses. A party will normally provide such services with its own personnel; however, a party’s professional/technical services may also include hiring and managing outside consultants to perform work provided that a party itself provides active project management for the use of such outside consultants.
- 3.3. **Roadway Maintenance.** A party may provide roadway maintenance upon the request of the other party. Roadway maintenance does not include roadway reconstruction. This work may include but is not limited to snow removal, ditch spraying, roadside mowing, bituminous mill and overlay (only small projects), seal coat, bridge hits, major retaining wall failures, major drainage failures, and message painting. All services must be performed by an employee with sufficient skills, training, expertise or certification to perform such work, and work must be supervised by a qualified employee of the party performing the work.
- 3.4. **Construction Administration.** A party may administer roadway construction projects upon the request of the other party. Roadway construction includes (by way of example and without limitation) the construction, reconstruction, or rehabilitation of mainline, shoulder, median, pedestrian or bicycle pathway, lighting and signal systems, pavement mill and overlays, seal coating, guardrail installation, and channelization. These services may be performed by the Providing Party’s own forces, or the Providing Party may administer outside contracts for such work. Construction administration may include letting and awarding construction contracts for such work (including state projects to be completed in conjunction with local projects). All contract administration services must be performed by an employee with sufficient skills, training, expertise or certification to perform such work.
- 3.5. **Emergency Services.** A party may provide aid upon request of the other party in the event of a man-made disaster, natural disaster or other act of God. Emergency services includes all those services as the parties mutually agree are necessary to plan for, prepare for, deal with, and recover from emergency situations. These services include, without limitation, planning, engineering, construction, maintenance, and removal and disposal services related to things such as road closures, traffic control, debris removal, flood protection and mitigation, sign repair, sandbag activities and general cleanup. Work will be performed by an employee with sufficient skills, training, expertise or certification to perform such work, and work must be supervised by a qualified employee of the party performing the work. If it is not feasible to have an executed work order prior to performance of the work, the parties will promptly confer to determine whether work may be commenced without a fully-executed work order in place. If work commences without a fully-executed work order, the parties will follow up with execution of a work order as soon as feasible.
- 3.6. When a need is identified, the State and the Local Government will discuss the proposed work and the resources needed to perform the work. If a party desires to perform such work, the parties will negotiate the specific and detailed work tasks and cost. The State will then prepare a work order contract. Generally, a work order contract will be limited to one specific project/engagement, although “on call” work orders may be prepared for certain types of services, especially for “Technical Services” items as identified section 2.1.. The work order will also identify specific deliverables required, and timeframes for completing work. A work order must be fully executed by the parties prior to work being commenced.

The Local Government will not be paid for work performed prior to execution of a work order contract and authorization by the State.

#### 4. Responsibilities of the Providing Party

- 4.1. **Terms Applicable to ALL Work Order Contracts.** The terms in this section 4.1 will apply to ALL work order contracts.
- 4.1.1. Each work order will identify an Authorized Representative for each party. Each party's authorized representative is responsible for administering the work order, and has the authority to make any decisions regarding the work, and to give and receive any notices required or permitted under this MPC or the work order.
- 4.1.2. The Providing Party will furnish and assign a publicly employed licensed engineer (Project Engineer), to be in responsible charge of the project(s) and to supervise and direct the work to be performed under each work order contract. For services not requiring an engineer, the Providing Party will furnish and assign another responsible employee to be in charge of the project. The services of the Providing Party under a work order contract may not be otherwise assigned, sublet, or transferred unless approved in writing by the Requesting Party's authorized representative. This written consent will in no way relieve the Providing Party from its primary responsibility for the work.
- 4.1.3. If the Local Government is the Providing Party, the Project Engineer may request in writing specific engineering and/or technical services from the State, pursuant to Minn. Stat. Section 161.39. The work order Contract will require the Local Government to deposit payment in advance. The costs and expenses will include the current State additives and overhead rates, subject to adjustment based on actual direct costs that have been verified by audit.
- 4.1.4. Only the receipt of a fully executed work order contract authorizes the Providing Party to begin work on a project. Any and all effort, expenses, or actions taken by the Providing Party before the work order contract is fully executed are considered unauthorized and undertaken at the risk of non-payment.
- 4.1.5. In connection with the performance of this contract and any work orders issued, the Providing Agency will comply with all applicable Federal and State laws and regulations. When the Providing Party is authorized or permitted to award contracts in connection with any work order, the Providing Party will require and cause its contractors and subcontractors to comply with all Federal and State laws and regulations.
- 4.2. **Additional Terms for Roadway Maintenance.** The terms of section 4.1 and this section 4.2 will apply to all work orders for Roadway Maintenance.
- 4.2.1. Unless otherwise provided for by contract or work order, the Providing Party must obtain all permits and sanctions that may be required for the proper and lawful performance of the work.
- 4.2.2. The Providing Party must perform maintenance in accordance with MnDOT maintenance manuals, policies and operations.
- 4.2.3. The Providing Party must use State-approved materials, including (by way of example and without limitation), sign posts, sign sheeting, and de-icing and anti-icing chemicals.
- 4.3. **Additional Terms for Construction Administration.** The terms of section 4.1 and this section 4.3 will apply to all work order contracts for construction administration.
- 4.3.1. Contract(s) must be awarded to the lowest responsible bidder or best value proposer in accordance with state law.

- 4.3.2. Contractor(s) must be required to post payment and performance bonds in an amount equal to the contract amount. The Providing Party will take all necessary action to make claims against such bonds in the event of any default by the contractor.
- 4.3.3. Contractor(s) must be required to perform work in accordance with the latest edition of the Minnesota Department of Transportation Standard Specifications for Construction.
- 4.3.4. For work performed on State right-of-way, contractor(s) must be required to indemnify and hold the State harmless against any loss incurred with respect to the performance of the contracted work, and must be required to provide evidence of insurance coverage commensurate with project risk.
- 4.3.5. Contractor(s) must pay prevailing wages pursuant to applicable state and federal law.
- 4.3.6. Contractor(s) must comply with all applicable Federal, and State laws, ordinances and regulations, including but not limited to applicable human rights/anti-discrimination laws and laws concerning the participation of Disadvantaged Business Enterprises in federally-assisted contracts.
- 4.3.7. Unless otherwise agreed in a work order contract, each party will be responsible for providing rights of way, easement, and construction permits for its portion of the improvements. Each party will, upon the other's request, furnish copies of right of way certificates, easements, and construction permits.
- 4.3.8. The Providing Party may approve minor changes to the Requesting Party's portion of the project work if such changes do not increase the Requesting Party's cost obligation under the applicable work order contract.
- 4.3.9. The Providing Party will not approve any contractor claims for additional compensation without the Requesting Party's written approval, and the execution of a proper amendment to the applicable work order contract when necessary. The Local Government will tender the processing and defense of any such claims to the State upon the State's request.
- 4.3.10. The Local Government must coordinate all trunk highway work affecting any utilities with the State's Utilities Office.
- 4.3.11. The Providing Party must coordinate all necessary detours with the Requesting Party.
- 4.3.12. If the Local Government is the Providing Party, and there is work performed on the trunk highway right-of-way, the following will apply:
  - 4.3.12.1 The Local Government will have a permit to perform the work on the trunk highway. The State may revoke this permit if the work is not being performed in a safe, proper and skillful manner, or if the contractor is violating the terms of any law, regulation, or permit applicable to the work. The State will have no liability to the Local Government, or its contractor, if work is suspended or stopped due to any such condition or concern.
  - 4.3.12.2 The Local Government will require its contractor to conduct all traffic control in accordance with the Minnesota Manual on Uniform Traffic Control Devices.
  - 4.3.12.3 The Local Government will require its contractor to comply with the terms of all permits issued for the project including, but not limited to, National Pollutant Discharge Elimination System (NPDES) and other environmental permits.
  - 4.3.12.4 All improvements constructed on the State's right-of-way will become the property of the State.

## **5. Responsibilities of the Requesting Party**

- 5.1. After authorizing the Providing Party to begin work, the Requesting Party will furnish any data or material in its possession relating to the project that may be of use to the Providing Party in performing the work.
- 5.2. All such data furnished to the Providing Party will remain the property of the Requesting Party and will be promptly returned upon the Requesting Party's request or upon the expiration or termination of this contract (subject to data retention requirements of the Minnesota Government Data Practices Act and other applicable law).
- 5.3. The Providing Party will analyze all such data furnished by the Requesting Party. If the Providing Party finds any such data to be incorrect or incomplete, the Providing Party will bring the facts to the attention of the Requesting Party before proceeding with the part of the project affected. The Providing Party will investigate the matter, and if it finds that such data is incorrect or incomplete, it will promptly determine a method for furnishing corrected data. Delay in furnishing data will not be considered justification for an adjustment in compensation.
- 5.4. The State will provide to the Local Government copies of any Trunk Highway fund clauses to be included in the bid solicitation and will provide any required Trunk Highway fund provisions to be included in the Proposal for Highway Construction, that are different from those required for State Aid construction.
- 5.5. The Requesting Party will perform final reviews and inspections of its portion of the project work. If the work is found to have been completed in accordance with the work order contract, the Requesting Party will promptly release any remaining funds due the Providing Party for the Project(s).
- 5.6. The work order contracts may include additional responsibilities to be completed by the Requesting Party.

## 6. Time

In the performance of project work under a work order contract, time is of the essence.

## 7. Consideration and Payment

- 7.1. **Consideration.** The Requesting Party will pay the Providing Party as specified in the work order. The State's normal and customary additives will apply to work performed by the State, unless otherwise specified in the work order. The State's normal and customary additives will not apply if the parties agree to a "lump sum" or "unit rate" payment.
  - 7.2. **State's Maximum Obligation.** The total compensation to be paid by the State to the Local Government under all work order contracts issued pursuant to this MPC will not exceed \$500,000.00.
- 7.3. **Travel Expenses.** It is anticipated that all travel expenses will be included in the base cost of the Providing Party's services, and unless otherwise specifically set forth in an applicable work order contract, the Providing Party will not be separately reimbursed for travel and subsistence expenses incurred by the Providing Party in performing any work order contract. In those cases where the State agrees to reimburse travel expenses, such expenses will be reimbursed in the same manner and in no greater amount than provided in the current "MnDOT Travel Regulations" a copy of which is on file with and available from the MnDOT District Office. The Local Government will not be reimbursed for travel and subsistence expenses incurred outside of Minnesota unless it has received the State's prior written approval for such travel.
- 7.4. **Payment.**
  - 7.4.1. **Generally.** The *Requesting Party* will pay the Providing Party as specified in the applicable work order, and will make prompt payment in accordance with Minnesota law.
  - 7.4.2. **Payment by the Local Government.**

7.4.2.1. The Local Government will make payment to the order of the Commissioner of Transportation.

7.4.2.2. **IMPORTANT NOTE: PAYMENT MUST REFERENCE THE "MNDOT CONTRACT NUMBER" SHOWN ON THE FACE PAGE OF THIS CONTRACT AND THE "INVOICE NUMBER" ON THE INVOICE RECEIVED FROM MNDOT.**

7.4.2.3. Remit payment to the address below:

MnDOT  
Attn: Cash Accounting  
RE: MnDOT Contract Number 1028139 and Invoice Number #####  
Mail Stop 215  
395 John Ireland Blvd  
St. Paul, MN 55155

**7.4.3. Payment by the State.**

7.4.3.1. *Generally.* The State will promptly pay the Local Government after the Local Government presents an itemized invoice for the services actually performed and the State's Authorized Representative accepts the invoiced services. Invoices must be submitted as specified in the applicable work order, but no more frequently than monthly.

7.4.3.2. *Retainage for Professional and Technical Services.* For work orders for professional and technical services, as required by Minn. Stat. § 16C.08, subd. 2(10), no more than 90 percent of the amount due under any work order contract may be paid until the final product of the work order contract has been reviewed by the State's authorized representative. The balance due will be paid when the State's authorized representative determines that the Local Government has satisfactorily fulfilled all the terms of the work order contract.

**8. Conditions of Payment**

All work performed by the Providing Party under a work order contract must be performed to the Requesting Party's satisfaction, as determined at the sole and reasonable discretion of the Requesting Party's Authorized Representative and in accordance with all applicable federal and state laws, rules, and regulations. The Providing Party will not receive payment for work found by the State to be unsatisfactory or performed in violation of federal or state law.

**9. Local Government's Authorized Representative and Project Manager; Authority to Execute Work Order Contracts**

9.1. The Local Government's Authorized Representative for administering this master contract is the Local Government's Engineer, and the Engineer has the responsibility to monitor the Local Government's performance. The Local Government's Authorized Representative is also authorized to execute work order contracts on behalf of the Local Government without approval of each proposed work order contract by its governing body.

9.2. The Local Government's Project Manager will be identified in each work order contract.

**10. State's Authorized Representative and Project Manager**

10.1. The State's Authorized Representative for this master contract is the District State Aid Engineer, who has the responsibility to monitor the State's performance.

10.2. The State's Project Manager will be identified in each work order contract.

**11. Assignment, Amendments, Waiver, and Contract Complete**

- 11.1. **Assignment.** Neither party may assign or transfer any rights or obligations under this MPC or any work order contract without the prior consent of the other and a fully executed Assignment Contract, executed and approved by the same parties who executed and approved this MPC, or their successors in office.
- 11.2. **Amendments.** Any amendment to this master contract or any work order contract must be in writing and will not be effective until it has been executed and approved by the same parties who executed and approved the original contract, or their successors in office.
- 11.3. **Waiver.** If a party fails to enforce any provision of this master contract or any work order contract, that failure does not waive the provision or the party's right to subsequently enforce it.
- 11.4. **Contract Complete.** This master contract and any work order contract contain all negotiations and contracts between the State and the Local Government. No other understanding regarding this master contract or any work order contract issued hereunder, whether written or oral may be used to bind either party.

**12. Liability.**

Each party will be responsible for its own acts and omissions to the extent provided by law. The Local Government's liability is governed by Minn. Stat. chapter 466 and other applicable law. The State's liability is governed by Minn. Stat. section 3.736 and other applicable law. This clause will not be construed to bar any legal remedies a party may have for the other party's failure to fulfill its obligations under this master contract or any work order contract. Neither party agrees to assume any environmental liability on behalf of the other party. A Providing Party under any work order is acting only as a "Contractor" to the Requesting Party, as the term "Contractor" is defined in Minn. Stat. §115B.03 (subd. 10), and is entitled to the protections afforded to a "Contractor" by the Minnesota Environmental Response and Liability Act. The parties specifically intend that Minn. Stat. §471.59 subd. 1a will apply to any work undertaken under this MPC and any work order issued hereunder.

**13. State Audits**

Under Minn. Stat. § 16C.05, subd. 5, the party's books, records, documents, and accounting procedures and practices relevant to any work order contract are subject to examination by the parties and by the State Auditor or Legislative Auditor, as appropriate, for a minimum of six years from the end of this MPC.

**14. Government Data Practices and Intellectual Property**

- 14.1. **Government Data Practices.** The Local Government and State must comply with the Minnesota Government Data Practices Act, Minn. Stat. Ch. 13, as it applies to all data provided by the State under this MPC and any work order contract, and as it applies to all data created, collected, received, stored, used, maintained, or disseminated by the Local Government under this MPC and any work order contract. The civil remedies of Minn. Stat. § 13.08 apply to the release of the data referred to in this clause by either the Local Government or the State.
- 14.2. **Intellectual Property Rights**
- 14.2.1. **Intellectual Property Rights.** The Requesting Party will own all rights, title, and interest in all of the intellectual property rights, including copyrights, patents, trade secrets, trademarks, and service marks in the Works and Documents created and paid for under work order contracts. Works means all inventions, improvements, discoveries (whether or not patentable), databases, computer programs, reports, notes, studies, photographs, negatives, designs, drawings, specifications, materials, tapes, and disks conceived, reduced to practice, created or originated by the Providing Party, its employees, agents, and subcontractors, either individually or jointly with others in the performance of this master contract or any work order contract. Works includes "Documents." Documents are the originals of any databases, computer programs, reports, notes,



studies, photographs, negatives, designs, drawings, specifications, materials, tapes, disks, or other materials, whether in tangible or electronic forms, prepared by the Providing Party, its employees, agents, or contractors, in the performance of a work order contract. The Documents will be the exclusive property of the Requesting Party and all such Documents must be immediately returned to the Requesting Party by the Providing Party upon completion or cancellation of the work order contract. To the extent possible, those Works eligible for copyright protection under the United States Copyright Act will be deemed to be "works made for hire." The Providing Party Government assigns all right, title, and interest it may have in the Works and the Documents to the Requesting Party. The Providing Party must, at the request of the Requesting Party, execute all papers and perform all other acts necessary to transfer or record the Requesting Party's ownership interest in the Works and Documents. Notwithstanding the foregoing, the Requesting Party grants the Providing Party an irrevocable and royalty-free license to use such intellectual property for its own non-commercial purposes, including dissemination to political subdivisions of the state of Minnesota and to transportation-related agencies such as the American Association of State Highway and Transportation Officials.

14.2.2. *Obligations with Respect to Intellectual Property.*

14.2.2.1. *Notification.* Whenever any invention, improvement, or discovery (whether or not patentable) is made or conceived for the first time or actually or constructively reduced to practice by the Providing Party, including its employees and subcontractors, in the performance of the work order contract, the Providing Party will immediately give the Requesting Party's Authorized Representative written notice thereof, and must promptly furnish the Authorized Representative with complete information and/or disclosure thereon.

14.2.2.2. *Representation.* The Providing Party must perform all acts, and take all steps necessary to ensure that all intellectual property rights in the Works and Documents are the sole property of the Requesting Party, and that neither Providing Party nor its employees, agents or contractors retain any interest in and to the Works and Documents.

**15. Affirmative Action**

The State intends to carry out its responsibility for requiring affirmative action by its Contractors, pursuant to Minn. Stat. §363A.36. Pursuant to that Statute, the Local Government is encouraged to prepare and implement an affirmative action plan for the employment of minority persons, women, and the qualified disabled, and submit such plan to the Commissioner of the Minnesota Department of Human Rights. In addition, when the Local Government lets a contract for the performance of work under a work order issued pursuant to this MPC, it must include the following in the bid or proposal solicitation and any contracts awarded as a result thereof:

- 15.1. ***Covered Contracts and Contractors.*** If the Contract exceeds \$100,000 and the Contractor employed more than 40 full-time employees on a single working day during the previous 12 months in Minnesota or in the state where it has its principle place of business, then the Contractor must comply with the requirements of Minn. Stat. § 363A.36 and Minn. R. Parts 5000.3400-5000.3600. A Contractor covered by Minn. Stat. § 363A.36 because it employed more than 40 full-time employees in another state and does not have a certificate of compliance, must certify that it is in compliance with federal affirmative action requirements.
- 15.2. ***Minn. Stat. § 363A.36.*** Minn. Stat. § 363A.36 requires the Contractor to have an affirmative action plan for the employment of minority persons, women, and qualified disabled individuals approved by the Minnesota Commissioner of Human Rights ("Commissioner") as indicated by a certificate of compliance. The law addresses suspension or revocation of a certificate of compliance and contract consequences in that event. A contract awarded without a certificate of compliance may be voided.
- 15.3. ***Minn. R. Parts 5000.3400-5000.3600.***

- 15.3.1. *General.* Minn. R. Parts 5000.3400-5000.3600 implement Minn. Stat. § 363A.36. These rules include, but are not limited to, criteria for contents, approval, and implementation of affirmative action plans; procedures for issuing certificates of compliance and criteria for determining a contractor's compliance status; procedures for addressing deficiencies, sanctions, and notice and hearing; annual compliance reports; procedures for compliance review; and contract consequences for non-compliance. The specific criteria for approval or rejection of an affirmative action plan are contained in various provisions of Minn. R. Parts 5000.3400-5000.3600 including, but not limited to, parts 5000.3420-5000.3500 and 5000.3552-5000.3559.
- 15.3.2. *Disabled Workers.* The Contractor must comply with the following affirmative action requirements for disabled workers:
- 15.3.2.1. The Contractor must not discriminate against any employee or applicant for employment because of physical or mental disability in regard to any position for which the employee or applicant for employment is qualified. The Contractor agrees to take affirmative action to employ, advance in employment, and otherwise treat qualified disabled persons without discrimination based upon their physical or mental disability in all employment practices such as the following: employment, upgrading, demotion or transfer, recruitment, advertising, layoff or termination, rates of pay or other forms of compensation, and selection for training, including apprenticeship.
- 15.3.2.2. The Contractor agrees to comply with the rules and relevant orders of the Minnesota Department of Human Rights issued pursuant to the Minnesota Human Rights Act.
- 15.3.2.3. In the event of the Contractor's noncompliance with the requirements of this clause, actions for noncompliance may be taken in accordance with Minn. Stat. Section 363A.36, and the rules and relevant orders of the Minnesota Department of Human Rights issued pursuant to the Minnesota Human Rights Act.
- 15.3.2.4. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices in a form to be prescribed by the commissioner of the Minnesota Department of Human Rights. Such notices must state the Contractor's obligation under the law to take affirmative action to employ and advance in employment qualified disabled employees and applicants for employment, and the rights of applicants and employees.
- 15.3.2.5. The Contractor must notify each labor union or representative of workers with which it has a collective bargaining agreement or other contract understanding, that the Contractor is bound by the terms of Minn. Stat. Section 363A.36, of the Minnesota Human Rights Act and is committed to take affirmative action to employ and advance in employment physically and mentally disabled persons.
- 15.3.3. *Consequences.* The consequences for the Contractor's failure to implement its affirmative action plan or make a good faith effort to do so include, but are not limited to, suspension or revocation of a certificate of compliance by the Commissioner, refusal by the Commissioner to approve subsequent plans, and termination of all or part of this contract by the Commissioner or the State.
- 15.3.4. *Certification.* The Contractor hereby certifies that it is in compliance with the requirements of Minn. Stat. § 363A.36 and Minn. R. Parts 5000.3400-5000.3600 and is aware of the consequences for noncompliance.

## 16. **Workers' Compensation**

Each party will be responsible for its own employees for any workers compensation claims. This MPC, and any work order contracts issued hereunder, are not intended to constitute an interchange of government employees under Minn. Stat. §15.53. To the extent that this MPC, or any work order issued hereunder, is determined to be

subject to Minn. Stat. §15.53, such statute will control to the extent of any conflict between the contract and the statute.

## 17. **Publicity**

17.1. **Publicity.** Any publicity regarding the subject matter of a work order contract where the State is the Requesting Party must identify the State as the sponsoring agency and must not be released without prior written approval from the State's Authorized Representative. For purposes of this provision, publicity includes notices, informational pamphlets, press releases, research, reports, signs, and similar public notices prepared by or for the Local Government individually or jointly with others, or any subcontractors, with respect to the program, publications, or services provided resulting from a work order contract.

17.2. **Data Practices Act.** Section 17.1 is not intended to override the Local Government's responsibilities under the Minnesota Government Data Practices Act.

## 18. **Governing Law, Jurisdiction, and Venue**

Minnesota law, without regard to its choice-of-law provisions, governs this master contract and all work order contracts. Venue for all legal proceedings out of this master contract or any work order contracts, or the breach of any such contracts, must be in the appropriate state or federal court with competent jurisdiction in Ramsey County, Minnesota.

## 19. **Prompt Payment; Payment to Subcontractors**

The parties must make prompt payment of their obligations in accordance with applicable law. As required by Minn. Stat. § 16A.1245, when the Local Government lets a contract for work pursuant to any work order, the Local Government must require its contractor to pay all subcontractors, less any retainage, within 10 calendar days of the prime contractor's receipt of payment from the Local Government for undisputed services provided by the subcontractor(s) and must pay interest at the rate of one and one-half percent per month or any part of a month to the subcontractor(s) on any undisputed amount not paid on time to the subcontractor(s).

20. **Minn. Stat. § 181.59.** The Local Government will comply with the provisions of Minn. Stat. § 181.59 which requires: Every contract for or on behalf of the state of Minnesota, or any county, city, town, township, school, school district, or any other district in the state, for materials, supplies, or construction shall contain provisions by which the Contractor agrees: (1) That, in the hiring of common or skilled labor for the performance of any work under any contract, or any subcontract, no contractor, material supplier, or vendor, shall, by reason of race, creed, or color, discriminate against the person or persons who are citizens of the United States or resident aliens who are qualified and available to perform the work to which the employment relates; (2) That no contractor, material supplier, or vendor, shall, in any manner, discriminate against, or intimidate, or prevent the employment of any person or persons identified in clause (1) of this section, or on being hired, prevent, or conspire to prevent, the person or persons from the performance of work under any contract on account of race, creed, or color; (3) That a violation of this section is a misdemeanor; and (4) That this contract may be canceled or terminated by the state, county, city, town, school board, or any other person authorized to grant the contracts for employment, and all money due, or to become due under the contract, may be forfeited for a second or any subsequent violation of the terms or conditions of this contract.

## 21. **Termination; Suspension**

21.1. **Termination by the State for Convenience.** The State or commissioner of Administration may cancel this MPC and any work order contracts at any time, with or without cause, upon 30 days written notice to the Local Government. Upon termination, the Local Government and the State will be entitled to payment, determined on a pro rata basis, for services satisfactorily performed.

21.2. **Termination by the Local Government for Convenience.** The Local Government may cancel this MPC and any work order contracts at any time, with or without cause, upon 30 days written notice to the State.

Upon termination, the Local Government and the State will be entitled to payment, determined on a pro rata basis, for services satisfactorily performed.

- 21.3. **Termination for Insufficient Funding.** The State may immediately terminate or suspend this MPC and any work order contract if it does not obtain funding from the Minnesota legislature or other funding source; or if funding cannot be continued at a level sufficient to allow for the payment of the services covered here. Termination or suspension must be by written or fax notice to the Local Government. The State is not obligated to pay for any services that are provided after notice and effective date of termination or suspension. However, the Local Government will be entitled to payment, determined on a pro rata basis, for services satisfactorily performed to the extent that funds are available. The State will not be assessed any penalty if the master contract or work order is terminated because of the decision of the Minnesota legislature or other funding source, not to appropriate funds. The State must provide the Local Government notice of the lack of funding within a reasonable time of the State's receiving that notice.

**22. Data Disclosure**

Under Minn. Stat. §270C.65, subd. 3, and other applicable law, the Local Government consents to disclosure of its federal employer tax identification number, and/or Minnesota tax identification number, already provided to the State, to federal and state tax agencies and state personnel involved in the payment of state obligations. These identification numbers may be used in the enforcement of federal and state tax laws which could result in action requiring the Local Government to file state tax returns and pay delinquent state tax liabilities, if any.

**23. Defense of Claims and Lawsuits**


If any lawsuit or claim is filed by a third party (including but not limited to the Local Government's contractors and subcontractors), arising out of trunk highway work performed pursuant to a valid work order issued under this MPC, the Local Government will, at the discretion of and upon the request of the State, tender the defense of such claims to the State or allow the State to participate in the defense of such claims. The Local Government will, however, be solely responsible for defending any lawsuit or claim, or any portion thereof, when the claim or cause of action asserted is based on its own acts or omissions in performing or supervising the work. The Local Government will not purport to represent the State in any litigation, settlement, or alternative dispute resolution process. The State will not be responsible for any judgment entered against the Local Government, and will not be bound by the terms of any settlement entered into by the Local Government except with the written approval of the Attorney General and the Commissioner of Transportation and pursuant to applicable law.

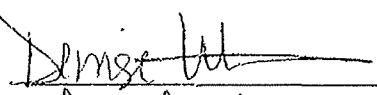
**24. Additional Provisions**

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**LOCAL GOVERNMENT**

The Local Government certifies that the appropriate person(s) have executed the contract on behalf of the Local Government as required by applicable ordinance, resolution, or charter provision.

By:   
Title: Mayor  
Date: 6/5/17

By:   
Title: City Clerk  
Date: 6/5/17

**COMMISSIONER OF TRANSPORTATION**

By: \_\_\_\_\_  
(with delegated authority)  
Title: Assistant Commissioner or Assistant Division Director  
Date: \_\_\_\_\_

**COMMISSIONER OF ADMINISTRATION**

As delegated to Materials Management Division

By: \_\_\_\_\_  
Date: \_\_\_\_\_



**Exhibit A - Table of Tech Serv**

Used with TA98 Project IDs

If a source code is not on this list, a work order is needed.

Source Code	Title	Description
0032	Business Unit Management	All expenses of business/office managers for general management and administration of support central facilities maintenance and facilities capital budgets.
0152	Support Services	Work that supports general office management, system management such as entering data in MnDOT systems, attending staff meetings and other indirect support activities.
0400	Equipment Calibration-Mat Insp	Use when performing periodic equipment calibration for equipment used in the materials laboratory.
0600	General Training Attended	All costs (time, registration, materials, travel expenses, etc.) for attending or participating in conferences that primarily provide training.
1182	Soils/Foundation Field/Laboratory Tests	All laboratory testing necessary to provide geotechnical information to complete roadway design use in the development of Final Design Plans and Special Provisions. Lab work includes R-classification, gradation, proctor testing, unconfined compression, consolidation, direct shear and triaxial tests.
1312	Tech Assist-Outside MnDOT	Use when providing technical assistance to an organization external to MnDOT.
1421	Bridge Management System Operation/Administration/Data	Use for tasks related to the Bridge Management System, including operations, administrative and data management.
1434	Structural Metals Inspection-Non DOT	Reviewing shop drawings furnished by suppliers, fabricators, and contractors (working drawings to structural metals inspection (materials surveys, physical and chemical laboratory testing, technical services in the field and offices) for local agency projects.
1501	Traffic Management System (TMS)	Used by traffic operations staff for all tasks that support the RTMC's operations center (or other) managing incidents and monitoring the FMS. Includes dynamic message sign maintenance, maintenance, and loop detection activities. Includes maintenance activities related to any IT equipment monitor wall, switchers, routers, or modems. Use to record all costs for maintenance activities. Use for tasks related to maintaining traffic operations software including minor software updates providing traffic operations technical assistance external to MnDOT.
1513	Traffic Management System (TMS) Integration	For tasks associated with the incorporation of new and existing TMS devices (cameras, loop detectors) into existing infrastructure to ensure proper operation. Use with the Construction/Program Delivery Source Code.
1520	Pavement Management System	For tasks related to the operation of the pavement management system, including development and maintenance. Includes tasks to meet needs external to MnDOT.
1716	Record Sampling	Used by Materials and Research Section and district materials staff to verify inspector's sampling equipment during project construction as required by FHWA. Use when inspector's equipment is not on this list.
1721	Traffic Sign Work Orders	Use for work involved in preparing work orders for traffic signs. Use only with Maintenance Source Code.

If a source code is not on this list, a work order is needed.



**Exhibit A - Table of Tech Serv**

Used with TA98 Project IDs

If a source code is not on this list, a work order is needed.

Source Code	Title	Description
1732	Material Testing & Inspection	Performing construction phase and research physical and chemical laboratory testing, and research and central labs, and for performing research and construction phase non-destructive testing services in the field and offices. Includes detour surveys. Non-destructive tests include, skid deflector (FWD) testing.
1733	Concrete Plant Inspections	Performing QA/QC physical testing at the plant; sampling and transporting of materials for reviews, and operations; investigating plant discrepancies; and other technical services in the stationary concrete plants or mobile concrete paving plant inspection.
1734	Construction Materials Inspections	Performing construction phase material inspection and engineering, for structural steel, precast reinforcement steel, and electrical products and related technical services in the field and offices. Includes travel time, sampling, and sample delivery. Includes tasks related to reviewing suppliers or fabricators and contractor working drawings or calculations, and for tasks related to (materials surveys, physical and chemical laboratory testing, material inspection and engineering and offices).
1735	Bituminous Plant Inspection	Performing QA/QC physical testing at the plant; sampling and transporting of materials for reviews, and operations; investigating plant discrepancies; and other technical services in the bituminous plant inspection.
1738	State Project - Specific Materials Inspection	Performing material inspection for materials designated for a specific construction project (such things as structural steel, prestressed concrete items, and most precast concrete items and structural metals inspection (materials surveys, physical and chemical laboratory testing, and other technical services in the field and offices).
1800	Field Inspection	Occasional construction project field inspection (not cyclical inspection of assets); Includes gradations, densities/DCP, proctors, compaction, slump tests, and field air tests and collection but not the actual laboratory verifications.
1870	Traffic Signal Maintenance	This work will not substitute for or alter existing cooperative construction agreements or traffic signal work related to the occasional repair and replacement of traffic signal system structures and signal systems including electrical power, labor, equipment materials, GSOC locates, traffic signal inquiries.
1871	Lighting Maintenance & Utilities	All work related to installing, maintaining, restoring, or removing highway lighting systems and maintaining, or replacing supports necessary for roadway lighting luminaries. Includes patrol structures, electrical service for highway lighting, re-lamping, pump stations, anti-icing system electrical repairs. Includes traffic control in support of roadway lighting activities. Use for traffic inquiries/complaints, review utility billings, provide data, and conduct field reviews.
1875	Locate One Call	Finding and marking locations of buried conduit, cables, hand holes, loops, etc. in order to locate system, signal systems, or roadway lighting systems.

If a source code is not on this list, a work order is needed.



**Exhibit A - Table of Tech Serv**

Used with TA98 Project IDs

If a source code is not on this list, a work order is needed.

Source Code	Title	Description
1876	Traffic Counting	Use to record labor, equipment usage, and material costs for activities related to traffic count or traffic operations. Includes all activities related to traffic counting, such as taking request data, processing data, and developing new techniques for collection.
2102	Patching	Related source type codes: 2103-Heavy patching, 2104-Bituminous paving, 2105-Blow patching
2142	Overhead Sign Panel Maintenance	Work related to the repair and replacement of overhead sign panels, extruded sign panels on structures. Includes related cable locates and traffic control. Does not include structural work
2210	Guardrail-Install/Repair/Maintenance	Install, repair, or maintain low tension cable, plate beams, and end treatments; cable tensioning includes related traffic control.
2222	Sign/Delineation/Marker Repair	Replacing, repairing, and washing signs (including temporary stop signs). Includes re-sequence repair/replace overhead and extruded signs mounted on I-beams. Includes related cable locates
2316	Brush & Tree Removal	Maintaining, watering, trimming, and removing highway right of way tree and brush. Includes removal/grinding. Includes related traffic control.
2624	Indirect Expense	Indirect shop expenses and shop equipment. Allocate to mobile equipment.
2629	Supplies & Small Tools	Shop tools, small equipment, and supplies that cannot be directly charged to a mobile equipment
2819	Bridge Curb, Walk And Railing	Repairing and maintaining bridge curb, walk, rail, coping, and fencing connected to the rail barriers on bridges. Includes related traffic control.
2820	Bridge Deck	Work associated with bridge deck and slab repair regardless of removal depth or type of material slab overlays and replacements and underside deck delamination. Includes related traffic control
2822	Miscellaneous Bridge Maintenance	This source code does not include replacement or major repair. Miscellaneous maintenance structure not covered by other source codes. Includes minor repairs and simple fixes on item bases, transient guards, and access doors. Includes transient removal, ordering materials, and traffic control.
2824	Bridge Inspection-Non-Federal	All tasks related to inventory, inspection, and load capacity rating work done on trunk highway the National Bridge Inspection System and/or Minnesota Bridge Safety Inspection Program. Includes related inspection reports and deck condition surveys.
2827	Bridge Expansion, Relief Joints	All maintenance tasks associated with bridge expansion joints, except joint reestablishment bolts and replacing seal glands. Includes related traffic control.
2828	Bridge Inspection-Federal Fund	All bridge inspection tasks for non-MnDOT bridges funded by the federal Fracture-Critical with TSL and with the local bridge number). Includes related inspection reports. For MnDC begins with TSO followed by the bridge number) and local and Department of Natural Resources 9A follow by bridge number) bridge inspections to be billed to the local government or Department Source Code 2824.

If a source code is not on this list, a work order is needed.



MPC Program FY 2017-2022  
**Exhibit A - Table of Tech Serv**  
 Used with TA98 Project IDs

If a source code is not on this list, a work order is needed.

Source Code	Title	Description
2829	Bridge Superstructure	All tasks to repair any bridge component above the bridge seat that is not included in other : of bridge superstructure elements such as girders, beams, floor beams, trusses, stringers, t-b Includes related traffic control.
2830	Bridge Bearing Assemblies	All tasks related to the repair and maintenance of fixed or expansion-bearing assemblies on
2834	Waterway Maintenance	All tasks related to waterway maintenance for deck bridges. Includes debris removal, water protection repair that is not part of slope protection. Includes related traffic control.
2838	Bridge Deck Crack Sealing	All tasks related to deck crack sealing. Includes related traffic control.
2863	Traffic Signal Inspection	Work related to cyclical structural and electrical inspection and preventive maintenance che Includes labor, equipment, materials, and traffic control.
3000	Class Of Frequency Coordination	Use for frequency coordination done with APCO, AASHTO or FCCA.
3002	Radio/Electronic Infrastructure	Use for the repair and preventative maintenance of all equipment associated with wireless t (includes mobile radios, portable radios, base stations, console workstations, recorders, etc. Project number assigned to requesting agency; Department of Public Safety (DPS) includes Apprehension (BCA), Fire Marshall); does not include Department of Natural Resources (D
3005	Radio - Mobile Equipment	Use for the repair and preventative maintenance of all equipment associated with wireless t (includes mobile radios, portable radios, base stations, console workstations, recorders, etc. Project number assigned to requesting agency (State Patrol, DNR, BCA, Fire Marshall). Se
3009	Radio/Electronic System Upgrade & Installation	Use for the installation and other services needed to provide major system upgrades or impr systems. Use for all work performed to correct or repair deficiencies found in a new installa
3025	Tower/Building Maintenance	Use for all tasks related to the maintenance of a tower building or site. Includes towers, buil landscaping, grounding, ice bridge, cable management, climbing ladders, card key systems,
3027	Radio Programming	Creating or modifying radio frequency programs and programming mobile and portable rad as fixed base radios as part of the Inter-OP System (Use 3009).
3049	On Call Electronic Communications Infrastructure Maintenance	To be used by Statewide Radio Communications personnel to record on-call time.

If a source code is not on this list, a work order is needed.

## Memorandum

Date: April 14, 2022  
To: Mayor and Councilmembers  
From: Tom Collins, City Engineer *TPC*  
Subject: 181<sup>st</sup> Avenue Reconstruction

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### **Introduction:**

Bids were opened yesterday by the City of East Bethel for reconstruction or overlay of 181<sup>st</sup> Avenue, which is a joint municipal state aid street designated street with the City of East Bethel. The improvement project includes the reconstruction of the 3,060 feet east of Concord Drive / Jackson Street and the bituminous overlay of the easterly 755 feet to Highway 65.

### **Discussion:**

Seven bids were received per the attached Bid Tabulation. The range of bids was \$814,044.67 to \$1,416,200.00, with an average bid of 1,033,647.32. A requested breakout of the low bid between the two cities was not received at the time of this memo. The lowest bidder is Dresel Contracting, which is a responsible contractor that recently completed the City of Ham Lake upgrade of 155<sup>th</sup> Avenue from Naples Street to Lexington Avenue. The Engineer's Estimate was \$836,252, which had a City of Ham Lake estimated cost of \$417,938. Overall, the low bidder was 2.7% under the Engineer's Estimate.

### **Recommendation:**

It is recommended to adopt the attached Resolution awarding the contract Dresel Contracting in the amount of \$814,044.67 for the joint reconstruction and overlay of 181<sup>st</sup> Avenue from Concord Drive / Jackson Street to Highway 65.

**RESOLUTION NO. 2022-XX**

**RESOLUTION ACCEPTING BIDS FOR THE 181<sup>ST</sup> AVENUE NE  
RECONSTRUCTION PROJECT**

**WHEREAS**, pursuant to the advertisement for bids for the 181<sup>st</sup> Avenue NE Reconstruction Project, bids were received electronically, reviewed, and tabulated according to law, and the following bids were received complying with the advertisement:

	<u>Base Bid</u>
Dresel Contracting, Inc.	\$ 814,044.67
Douglas-Kerr Underground, LLC	\$ 930,858.69
North Pine Aggregate, Inc.	\$ 940,979.05
New Look Contracting, Inc.	\$ 967,555.04
Meyer Contracting, Inc.	\$1,067,593.35
Asphalt Surface Technologies, Corp.	\$1,098,300.45
Forest Lake Contracting, Inc.	\$1,416,200.00

**AND WHEREAS**, it appears that Dresel Contracting, Inc. of Chisago City, Minnesota is the lowest responsible bidder;

**AND WHEREAS**, this project is being constructed in cooperation with the City of East Bethel;

**AND WHEREAS**, the City accepts the bid proposal in the amount of \$814,044.67 contingent on acceptance of the bid proposal by the City of East Bethel;

**NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF HAM LAKE, MINNESOTA THAT:**

1. The Mayor and City Administrator are hereby authorized and directed to enter into a contract with Dresel Contracting, Inc. of Chisago City, Minnesota in the name of the City of Ham Lake for the 181<sup>st</sup> Avenue NE Reconstruction Project, according to the plans and specifications therefore approved by the City Council and on file in the office of the City Clerk.

2. The City Engineer is hereby authorized and directed to return forthwith to all bidders the deposits made with their bids, except that the deposits of the successful bidder and the next lowest bidder shall be retained until a contract has been signed.

3. The City Attorney is hereby directed to review all bids and contract for the Improvement Project.

**Adopted by a unanimous vote of the Ham Lake City Council this 18<sup>th</sup> day of April, 2022.**

\_\_\_\_\_  
Brian Kirkham, Acting Mayor

\_\_\_\_\_  
Denise Webster, City Clerk



**BID TABULATION**  
**City of East Bethel**  
**181st Avenue Street Reconstruction Project**

Bids were opened at 10:00 a.m., April 12, 2022.  
There were seven (7) bids received, as shown herein.

Base Bid					Dresel Contracting Inc.		Douglas-Kerr Underground, L.L.C		North Pine Aggregate, Inc	
ITEM NO.	Mn/DOT SPEC. NO.	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT PRICE	EXTENSION	UNIT PRICE	EXTENSION	UNIT PRICE	EXTENSION
1	2021.501	MOBILIZATION	LUMP SUM	1	\$49,622.50	\$49,622.50	\$42,314.00	\$42,314.00	\$70,500.00	\$70,500.00
2	2101.505	CLEARING	ACRE	0.4	\$14,400.00	\$5,760.00	\$28,397.00	\$11,358.80	\$14,690.00	\$5,876.00
3	2101.505	GRUBBING	ACRE	0.4	\$12,000.00	\$4,800.00	\$11,359.00	\$4,543.60	\$25,350.00	\$10,140.00
4	2104.502	REMOVE SIGN	EACH	6	\$51.00	\$306.00	\$56.80	\$340.80	\$53.30	\$319.80
5	2104.502	REMOVE MAIL BOX SUPPORT	EACH	10	\$51.00	\$510.00	\$114.00	\$1,140.00	\$106.50	\$1,065.00
6	2104.503	SAWING CONCRETE PAVEMENT - FULL DEPTH	LIN FT	28	\$3.06	\$85.68	\$4.00	\$112.00	\$9.50	\$266.00
7	2104.503	SAWING BITUMINOUS PAVEMENT - FULL DEPTH	LIN FT	130	\$3.06	\$397.80	\$2.95	\$383.50	\$4.35	\$565.50
8	2104.503	REMOVE PIPE CULVERT	LIN FT	317	\$9.65	\$3,059.05	\$12.50	\$3,962.50	\$20.00	\$6,340.00
9	2104.503	REMOVE CURB AND GUTTER	LIN FT	957	\$2.72	\$2,603.04	\$4.10	\$3,923.70	\$4.25	\$4,067.25
10	2104.504	REMOVE BITUMINOUS PAVEMENT	SQ YD	134	\$1.90	\$254.60	\$8.10	\$1,085.40	\$12.55	\$1,681.70
11	2104.507	REMOVE CONCRETE FLUME	EACH	5	\$51.00	\$255.00	\$171.00	\$855.00	\$355.00	\$1,775.00
12	2104.518	REMOVE CONCRETE PAVEMENT	SQ YD	88	\$4.38	\$385.44	\$16.55	\$1,456.40	\$12.30	\$1,082.40
13	2106.507	EXCAVATION - MUCK	CU YD	7582	\$10.34	\$78,397.88	\$9.60	\$72,787.20	\$9.55	\$72,408.10
14	2106.507	EXCAVATION - SUBGRADE	CU YD	2644	\$10.33	\$27,312.52	\$18.60	\$49,178.40	\$14.75	\$38,999.00
15	2106.507	SELECT GRANULAR EMBANKMENT (CV)	CU YD	7582	\$21.94	\$166,349.08	\$15.45	\$117,141.90	\$15.00	\$113,730.00
16	2108.504	GEOGRID TYPE 1	SQ YD	2666	\$1.44	\$3,839.04	\$10.90	\$29,059.40	\$7.60	\$20,261.60
17	2108.504	GEOGRID TYPE 2	SQ YD	2834	\$1.95	\$5,526.30	\$9.00	\$25,506.00	\$9.20	\$26,072.80
18	2112.519	SUBGRADE PREPARATION	ROAD STATION	30.6	\$118.63	\$3,630.08	\$323.00	\$9,883.80	\$382.50	\$11,704.50
19	2211.509	AGGREGATE BASE CLASS 5	TON	1200	\$17.37	\$20,844.00	\$21.35	\$25,620.00	\$22.00	\$26,400.00
20	2215.504	FULL DEPTH RECLAMATION	SQ YD	9022	\$1.12	\$10,104.64	\$2.40	\$21,652.80	\$0.55	\$4,962.10
21	2215.507	HAUL FULL DEPTH RECLAMATION (LV)	CU YD	1754	\$5.64	\$9,892.56	\$6.60	\$11,576.40	\$11.00	\$19,294.00
22	2232.604	MILL BITUMINOUS SURFACE (SPECIAL)	SQ YD	1380	\$2.85	\$3,933.00	\$3.20	\$4,416.00	\$4.90	\$6,762.00
23	2357.506	BITUMINOUS MATERIAL FOR TACK COAT	GALLONS	346	\$3.50	\$1,211.00	\$3.95	\$1,366.70	\$3.95	\$1,366.70
24	2360.504	TYPE SP 9.5 WEARING COURSE MIXTURE (2;C) 3.0' THICK	SQ YD	146	\$44.25	\$6,460.50	\$59.70	\$8,716.20	\$38.25	\$5,584.50
25	2360.509	TYPE SP 12.5 WEARING COURSE MIXTURE (2;C)	TON	1348	\$84.64	\$114,094.72	\$95.20	\$128,329.60	\$88.50	\$119,298.00
26	2360.509	TYPE SP 12.5 NON WEARING COURSE MIXTURE (2;C)	TON	1058	\$82.63	\$87,422.54	\$92.90	\$98,288.20	\$90.85	\$96,119.30
27	2411.502	CONCRETE FLUME	EACH	2	\$1,515.00	\$3,030.00	\$1,976.00	\$3,952.00	\$480.00	\$960.00
28	2501.502	15" CS PIPE APRON	EACH	6	\$376.25	\$2,257.50	\$513.00	\$3,078.00	\$360.00	\$2,160.00
29	2501.502	15" RC PIPE APRON	EACH	8	\$974.53	\$7,796.24	\$1,479.00	\$11,832.00	\$1,415.00	\$11,320.00
30	2501.502	18" RC PIPE APRON	EACH	2	\$1,191.75	\$2,383.50	\$1,553.00	\$3,106.00	\$1,770.00	\$3,540.00
31	2501.503	15" CP PIPE CULVERT	LIN FT	83	\$38.27	\$3,176.41	\$69.35	\$5,756.05	\$52.00	\$4,316.00
32	2501.503	15" RC PIPE CULVERT	LIN FT	88	\$70.34	\$6,189.92	\$87.65	\$7,713.20	\$81.25	\$7,150.00
33	2503.503	15" RC PIPE SEWER DESIGN 3006 CLASS V	LIN FT	70	\$70.50	\$4,935.00	\$79.45	\$5,561.50	\$100.00	\$7,000.00
34	2503.503	18" RC PIPE SEWER DESIGN 3006 CLASS V	LIN FT	50	\$87.15	\$4,357.50	\$86.25	\$4,312.50	\$102.50	\$5,125.00
35	2506.502	CASTING ASSEMBLY	EACH	6	\$577.50	\$3,465.00	\$1,126.00	\$6,756.00	\$1,190.00	\$7,140.00
36	2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN 48-4020	LIN FT	42	\$539.65	\$22,665.30	\$677.00	\$28,434.00	\$525.00	\$22,050.00
37	2511.507	RANDOM RIPRAP CLASS II	CU YD	36	\$107.17	\$3,858.12	\$151.00	\$5,436.00	\$115.00	\$4,140.00
38	2521.518	6" CONCRETE WALK	SQ FT	119	\$16.50	\$1,963.50	\$17.05	\$2,028.95	\$11.60	\$1,380.40
39	2531.503	CONCRETE CURB AND GUTTER DESIGN B618	LIN FT	5949	\$13.13	\$78,110.37	\$15.80	\$93,994.20	\$17.00	\$101,133.00
40	2531.504	6" CONCRETE DRIVEWAY PAVEMENT	SQ YD	87	\$90.90	\$7,908.30	\$102.00	\$8,874.00	\$67.00	\$5,829.00

**BID TABULATION**  
**City of East Bethel**  
**181st Avenue Street Reconstruction Project**

Base Bid					Dresel Contracting Inc.		Douglas-Kerr Underground, L.L.C		North Pine Aggregate, Inc	
ITEM NO.	Mn/DOT SPEC. NO.	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT PRICE	EXTENSION	UNIT PRICE	EXTENSION	UNIT PRICE	EXTENSION
41	2531.618	TRUNCATED DOMES	SQ FT	16	\$102.00	\$1,632.00	\$114.00	\$1,824.00	\$53.30	\$852.80
42	2540.602	MAIL BOX SUPPORT	EACH	10	\$150.00	\$1,500.00	\$284.00	\$2,840.00	\$266.50	\$2,665.00
43	2563.601	TRAFFIC CONTROL SUPERVISOR	LUMP SUM	1	\$1,200.00	\$1,200.00	\$1,136.00	\$1,136.00	\$12,800.00	\$12,800.00
44	2563.601	TRAFFIC CONTROL	LUMP SUM	1	\$3,412.50	\$3,412.50	\$3,692.00	\$3,692.00	\$8,000.00	\$8,000.00
45	2564.518	SIGN PANELS TYPE C	SQ FT	92.9	\$81.90	\$7,608.51	\$88.60	\$8,230.94	\$136.50	\$12,680.85
46	2564.618	SIGN SPECIAL	SQ FT	18	\$67.20	\$1,209.60	\$72.70	\$1,308.60	\$50.35	\$906.30
47	2573.501	STABILIZED CONSTRUCTION EXIT	LUMP SUM	1	\$1,386.00	\$1,386.00	\$1,966.00	\$1,966.00	\$6,500.00	\$6,500.00
48	2573.501	EROSION CONTROL SUPERVISOR	LUMP SUM	1	\$1,200.00	\$1,200.00	\$1,825.00	\$1,825.00	\$7,250.00	\$7,250.00
49	2573.502	STORM DRAIN INLET PROTECTION	EACH	8	\$137.50	\$1,100.00	\$186.00	\$1,488.00	\$235.00	\$1,880.00
50	2573.502	CULVERT END CONTROLS	EACH	6	\$78.75	\$472.50	\$329.00	\$1,974.00	\$75.00	\$450.00
51	2573.503	SILT FENCE; TYPE MS	LIN FT	6011	\$2.05	\$12,322.55	\$2.20	\$13,224.20	\$1.90	\$11,420.90
52	2574.508	FERTILIZER TYPE 1	POUND	840	\$0.62	\$520.80	\$0.70	\$588.00	\$1.05	\$882.00
53	2575.504	ROLLED EROSION PREVENTION CATEGORY 25	SQ YD	203	\$2.06	\$418.18	\$2.25	\$456.75	\$2.15	\$436.45
54	2575.505	SEEDING	ACRE	2.8	\$412.00	\$1,153.60	\$454.00	\$1,271.20	\$535.00	\$1,498.00
55	2575.508	HYDRAULIC BONDED FIBER MATRIX	POUND	9800	\$1.24	\$12,152.00	\$1.35	\$13,230.00	\$1.38	\$13,524.00
56	2575.508	SEED, MIXTURE 25-121	POUND	338	\$5.39	\$1,821.82	\$5.95	\$2,011.10	\$5.90	\$1,994.20
57	2582.503	4" SOLID LINE MULTI-COMPONENT	LIN FT	7682	\$0.35	\$2,688.70	\$0.50	\$3,841.00	\$0.45	\$3,456.90
58	2582.503	4" DOUBLE SOLID LINE MULTI-COMPONENT	LIN FT	3742	\$0.69	\$2,581.98	\$0.95	\$3,554.90	\$0.90	\$3,367.80
59	2582.503	24" SOLID LINE MULTI-COMPONENT	LIN FT	54	\$9.45	\$510.30	\$10.45	\$564.30	\$9.80	\$529.20
<b>Base Bid Total</b>						<b><u>\$814,044.67</u></b>		<b><u>\$930,858.69</u></b>		<b><u>\$940,979.05</u></b>

**BID TABULATION**  
**City of East Bethel**  
**181st Avenue Street Reconstruction Project**

Bids were opened at 10:00 a.m., April 12, 2022.  
There were seven (7) bids received, as shown herein.

Base Bid					New Look Contracting, Inc.		Meyer Contracting Inc.		Asphalt Surface Technologies Corp.	
ITEM NO.	Mn/DOT SPEC. NO.	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT PRICE	EXTENSION	UNIT PRICE	EXTENSION	UNIT PRICE	EXTENSION
1	2021.501	MOBILIZATION	LUMP SUM	1	\$45,000.00	\$45,000.00	\$53,379.66	\$53,379.66	\$50,000.00	\$50,000.00
2	2101.505	CLEARING	ACRE	0.4	\$15,000.00	\$6,000.00	\$25,000.00	\$10,000.00	\$27,500.00	\$11,000.00
3	2101.505	GRUBBING	ACRE	0.4	\$26,000.00	\$10,400.00	\$10,000.00	\$4,000.00	\$11,000.00	\$4,400.00
4	2104.502	REMOVE SIGN	EACH	6	\$55.00	\$330.00	\$50.00	\$300.00	\$28.00	\$168.00
5	2104.502	REMOVE MAIL BOX SUPPORT	EACH	10	\$110.00	\$1,100.00	\$100.00	\$1,000.00	\$110.00	\$1,100.00
6	2104.503	SAWING CONCRETE PAVEMENT - FULL DEPTH	LIN FT	28	\$10.00	\$280.00	\$4.45	\$124.60	\$4.00	\$112.00
7	2104.503	SAWING BITUMINOUS PAVEMENT - FULL DEPTH	LIN FT	130	\$5.00	\$650.00	\$3.59	\$466.70	\$4.00	\$520.00
8	2104.503	REMOVE PIPE CULVERT	LIN FT	317	\$10.00	\$3,170.00	\$22.14	\$7,018.38	\$24.20	\$7,671.40
9	2104.503	REMOVE CURB AND GUTTER	LIN FT	957	\$4.50	\$4,306.50	\$2.91	\$2,784.87	\$8.80	\$8,421.60
10	2104.504	REMOVE BITUMINOUS PAVEMENT	SQ YD	134	\$9.00	\$1,206.00	\$8.02	\$1,074.68	\$18.92	\$2,535.28
11	2104.507	REMOVE CONCRETE FLUME	EACH	5	\$400.00	\$2,000.00	\$97.28	\$486.40	\$440.00	\$2,200.00
12	2104.518	REMOVE CONCRETE PAVEMENT	SQ YD	88	\$18.00	\$1,584.00	\$13.82	\$1,216.16	\$20.16	\$1,774.08
13	2106.507	EXCAVATION - MUCK	CU YD	7582	\$19.00	\$144,058.00	\$12.13	\$91,969.66	\$20.16	\$152,853.12
14	2106.507	EXCAVATION - SUBGRADE	CU YD	2644	\$19.00	\$50,236.00	\$24.81	\$65,597.64	\$23.63	\$62,477.72
15	2106.507	SELECT GRANULAR EMBANKMENT (CV)	CU YD	7582	\$13.00	\$98,566.00	\$23.95	\$181,588.90	\$24.98	\$189,398.36
16	2108.504	GEOGRID TYPE 1	SQ YD	2666	\$9.00	\$23,994.00	\$9.27	\$24,713.82	\$6.00	\$15,996.00
17	2108.504	GEOGRID TYPE 2	SQ YD	2834	\$10.50	\$29,757.00	\$13.63	\$38,627.42	\$7.00	\$19,838.00
18	2112.519	SUBGRADE PREPARATION	ROAD STATION	30.6	\$225.00	\$6,885.00	\$252.77	\$7,734.76	\$374.00	\$11,444.40
19	2211.509	AGGREGATE BASE CLASS 5	TON	1200	\$20.00	\$24,000.00	\$28.71	\$34,452.00	\$21.78	\$26,136.00
20	2215.504	FULL DEPTH RECLAMATION	SQ YD	9022	\$5.50	\$49,621.00	\$1.56	\$14,074.32	\$1.34	\$12,089.48
21	2215.507	HAUL FULL DEPTH RECLAMATION (LV)	CU YD	1754	\$0.01	\$17.54	\$15.12	\$26,520.48	\$17.00	\$29,818.00
22	2232.604	MILL BITUMINOUS SURFACE (SPECIAL)	SQ YD	1380	\$3.50	\$4,830.00	\$2.82	\$3,891.60	\$5.17	\$7,134.60
23	2357.506	BITUMINOUS MATERIAL FOR TACK COAT	GALLONS	346	\$4.00	\$1,384.00	\$3.47	\$1,200.62	\$3.30	\$1,141.80
24	2360.504	TYPE SP 9.5 WEARING COURSE MIXTURE (2;C) 3.0" THICK	SQ YD	146	\$46.00	\$6,716.00	\$43.81	\$6,396.26	\$44.00	\$6,424.00
25	2360.509	TYPE SP 12.5 WEARING COURSE MIXTURE (2;C)	TON	1348	\$91.00	\$122,668.00	\$83.80	\$112,962.40	\$91.41	\$123,220.68
26	2360.509	TYPE SP 12.5 NON WEARING COURSE MIXTURE (2;C)	TON	1058	\$89.00	\$94,162.00	\$81.81	\$86,554.98	\$91.96	\$97,293.68
27	2411.502	CONCRETE FLUME	EACH	2	\$1,615.00	\$3,230.00	\$650.00	\$1,300.00	\$728.00	\$1,456.00
28	2501.502	15" CS PIPE APRON	EACH	6	\$335.00	\$2,010.00	\$644.72	\$3,868.32	\$352.80	\$2,116.80
29	2501.502	15" RC PIPE APRON	EACH	8	\$1,350.00	\$10,800.00	\$1,922.46	\$15,379.68	\$1,624.00	\$12,992.00
30	2501.502	18" RC PIPE APRON	EACH	2	\$1,650.00	\$3,300.00	\$2,054.61	\$4,109.22	\$1,760.00	\$3,520.00
31	2501.503	15" CP PIPE CULVERT	LIN FT	83	\$48.00	\$3,984.00	\$46.65	\$3,871.95	\$66.08	\$5,484.64
32	2501.503	15" RC PIPE CULVERT	LIN FT	88	\$64.00	\$5,632.00	\$85.17	\$7,494.96	\$93.50	\$8,228.00
33	2503.503	15" RC PIPE SEWER DESIGN 3006 CLASS V	LIN FT	70	\$64.00	\$4,480.00	\$85.18	\$5,962.60	\$93.50	\$6,545.00
34	2503.503	18" RC PIPE SEWER DESIGN 3006 CLASS V	LIN FT	50	\$74.00	\$3,700.00	\$95.32	\$4,766.00	\$115.50	\$5,775.00
35	2506.502	CASTING ASSEMBLY	EACH	6	\$1,250.00	\$7,500.00	\$1,263.19	\$7,579.14	\$1,375.00	\$8,250.00
36	2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN 48-4020	LIN FT	42	\$570.00	\$23,940.00	\$1,607.43	\$67,512.06	\$548.80	\$23,049.60
37	2511.507	RANDOM RIPRAP CLASS II	CU YD	36	\$125.00	\$4,500.00	\$189.53	\$6,823.08	\$159.50	\$5,742.00
38	2521.518	6" CONCRETE WALK	SQ FT	119	\$16.00	\$1,904.00	\$14.90	\$1,773.10	\$16.50	\$1,963.50
39	2531.503	CONCRETE CURB AND GUTTER DESIGN B618	LIN FT	5949	\$14.00	\$83,286.00	\$14.30	\$85,070.70	\$16.02	\$95,302.98
40	2531.504	6" CONCRETE DRIVEWAY PAVEMENT	SQ YD	87	\$97.00	\$8,439.00	\$72.50	\$6,307.50	\$81.65	\$7,103.55

**BID TABULATION**  
**City of East Bethel**  
**181st Avenue Street Reconstruction Project**

Base Bid					New Look Contracting, Inc.		Meyer Contracting Inc.		Asphalt Surface Technologies Corp.	
ITEM NO.	Min/DOT SPEC. NO.	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT PRICE	EXTENSION	UNIT PRICE	EXTENSION	UNIT PRICE	EXTENSION
41	2531.618	TRUNCATED DOMES	SQ FT	16	\$108.00	\$1,728.00	\$47.00	\$752.00	\$52.64	\$842.24
42	2540.602	MAIL BOX SUPPORT	EACH	10	\$270.00	\$2,700.00	\$250.00	\$2,500.00	\$275.00	\$2,750.00
43	2563.601	TRAFFIC CONTROL SUPERVISOR	LUMP SUM	1	\$1.00	\$1.00	\$1,537.15	\$1,537.15	\$1,650.00	\$1,650.00
44	2563.601	TRAFFIC CONTROL	LUMP SUM	1	\$4,850.00	\$4,850.00	\$3,250.00	\$3,250.00	\$4,730.00	\$4,730.00
45	2564.518	SIGN PANELS TYPE C	SQ FT	92.9	\$75.00	\$6,967.50	\$78.00	\$7,246.20	\$77.00	\$7,153.30
46	2564.618	SIGN SPECIAL	SQ FT	18	\$54.00	\$972.00	\$64.00	\$1,152.00	\$55.00	\$990.00
47	2573.501	STABILIZED CONSTRUCTION EXIT	LUMP SUM	1	\$1.00	\$1.00	\$12,481.54	\$12,481.54	\$3,000.00	\$3,000.00
48	2573.501	EROSION CONTROL SUPERVISOR	LUMP SUM	1	\$1.00	\$1.00	\$1,537.15	\$1,537.15	\$4,500.00	\$4,500.00
49	2573.502	STORM DRAIN INLET PROTECTION	EACH	8	\$160.00	\$1,280.00	\$495.34	\$3,962.72	\$200.00	\$1,600.00
50	2573.502	CULVERT END CONTROLS	EACH	6	\$80.00	\$480.00	\$75.00	\$450.00	\$82.50	\$495.00
51	2573.503	SILT FENCE; TYPE MS	LIN FT	6011	\$3.50	\$21,038.50	\$1.95	\$11,721.45	\$2.20	\$13,224.20
52	2574.508	FERTILIZER TYPE 1	POUND	840	\$1.00	\$840.00	\$0.60	\$504.00	\$0.60	\$504.00
53	2575.504	ROLLED EROSION PREVENTION CATEGORY 25	SQ YD	203	\$5.00	\$1,015.00	\$2.00	\$406.00	\$2.20	\$446.60
54	2575.505	SEEDING	ACRE	2.8	\$430.00	\$1,204.00	\$400.00	\$1,120.00	\$500.00	\$1,400.00
55	2575.508	HYDRAULIC BONDED FIBER MATRIX	POUND	9800	\$1.50	\$14,700.00	\$1.20	\$11,760.00	\$1.32	\$12,936.00
56	2575.508	SEED, MIXTURE 25-121	POUND	338	\$6.00	\$2,028.00	\$5.23	\$1,767.74	\$5.50	\$1,859.00
57	2582.503	4" SOLID LINE MULTI-COMPONENT	LIN FT	7682	\$0.50	\$3,841.00	\$0.33	\$2,535.06	\$0.46	\$3,533.72
58	2582.503	4" DOUBLE SOLID LINE MULTI-COMPONENT	LIN FT	3742	\$1.00	\$3,742.00	\$0.66	\$2,469.72	\$0.92	\$3,442.64
59	2582.503	24" SOLID LINE MULTI-COMPONENT	LIN FT	54	\$10.00	\$540.00	\$9.00	\$486.00	\$10.12	\$546.48
<b>Base Bid Total</b>						<u><u>\$967,555.04</u></u>		<u><u>\$1,067,593.35</u></u>		<u><u>\$1,098,300.45</u></u>



**BID TABULATION**  
**City of East Bethel**  
**181st Avenue Street Reconstruction Project**

Bids were opened at 10:00 a.m., April 12, 2022.  
There were seven (7) bids received, as shown herein.

Base Bid					Forest Lake Contracting, Inc.	
ITEM NO.	Mn/DOT SPEC. NO.	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT PRICE	EXTENSION
1	2021.501	MOBILIZATION	LUMP SUM	1	\$90,000.00	\$90,000.00
2	2101.505	CLEARING	ACRE	0.4	\$25,000.00	\$10,000.00
3	2101.505	GRUBBING	ACRE	0.4	\$10,000.00	\$4,000.00
4	2104.502	REMOVE SIGN	EACH	6	\$50.00	\$300.00
5	2104.502	REMOVE MAIL BOX SUPPORT	EACH	10	\$300.00	\$3,000.00
6	2104.503	SAWING CONCRETE PAVEMENT - FULL DEPTH	LIN FT	28	\$20.00	\$560.00
7	2104.503	SAWING BITUMINOUS PAVEMENT - FULL DEPTH	LIN FT	130	\$10.00	\$1,300.00
8	2104.503	REMOVE PIPE CULVERT	LIN FT	317	\$25.00	\$7,925.00
9	2104.503	REMOVE CURB AND GUTTER	LIN FT	957	\$12.00	\$11,484.00
10	2104.504	REMOVE BITUMINOUS PAVEMENT	SQ YD	134	\$25.00	\$3,350.00
11	2104.507	REMOVE CONCRETE FLUME	EACH	5	\$1,500.00	\$7,500.00
12	2104.518	REMOVE CONCRETE PAVEMENT	SQ YD	88	\$25.00	\$2,200.00
13	2106.507	EXCAVATION - MUCK	CU YD	7582	\$25.00	\$189,550.00
14	2106.507	EXCAVATION - SUBGRADE	CU YD	2644	\$25.00	\$66,100.00
15	2106.507	SELECT GRANULAR EMBANKMENT (CV)	CU YD	7582	\$30.00	\$227,460.00
16	2108.504	GEOGRID TYPE 1	SQ YD	2666	\$14.00	\$37,324.00
17	2108.504	GEOGRID TYPE 2	SQ YD	2834	\$14.00	\$39,676.00
18	2112.519	SUBGRADE PREPARATION	ROAD STATION	30.6	\$600.00	\$18,360.00
19	2211.509	AGGREGATE BASE CLASS 5	TON	1200	\$40.00	\$48,000.00
20	2215.504	FULL DEPTH RECLAMATION	SQ YD	9022	\$2.00	\$18,044.00
21	2215.507	HAUL FULL DEPTH RECLAMATION (LV)	CU YD	1754	\$30.00	\$52,620.00
22	2232.604	MILL BITUMINOUS SURFACE (SPECIAL)	SQ YD	1380	\$3.00	\$4,140.00
23	2357.506	BITUMINOUS MATERIAL FOR TACK COAT	GALLONS	346	\$4.00	\$1,384.00
24	2360.504	TYPE SP 9.5 WEARING COURSE MIXTURE (2;C) 3.0" THICK	SQ YD	146	\$64.00	\$9,344.00
25	2360.509	TYPE SP 12.5 WEARING COURSE MIXTURE (2;C)	TON	1348	\$84.00	\$113,232.00
26	2360.509	TYPE SP 12.5 NON WEARING COURSE MIXTURE (2;C)	TON	1058	\$82.00	\$86,756.00
27	2411.502	CONCRETE FLUME	EACH	2	\$1,200.00	\$2,400.00
28	2501.502	15" CS PIPE APRON	EACH	6	\$500.00	\$3,000.00
29	2501.502	15" RC PIPE APRON	EACH	8	\$1,300.00	\$10,400.00
30	2501.502	18" RC PIPE APRON	EACH	2	\$1,300.00	\$2,600.00
31	2501.503	15" CP PIPE CULVERT	LIN FT	83	\$100.00	\$8,300.00
32	2501.503	15" RC PIPE CULVERT	LIN FT	88	\$150.00	\$13,200.00
33	2503.503	15" RC PIPE SEWER DESIGN 3006 CLASS V	LIN FT	70	\$150.00	\$10,500.00
34	2503.503	18" RC PIPE SEWER DESIGN 3006 CLASS V	LIN FT	50	\$150.00	\$7,500.00
35	2506.502	CASTING ASSEMBLY	EACH	6	\$1,500.00	\$9,000.00
36	2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN 48-4020	LIN FT	42	\$2,000.00	\$84,000.00
37	2511.507	RANDOM RIPRAP CLASS II	CU YD	36	\$300.00	\$10,800.00
38	2521.518	6" CONCRETE WALK	SQ FT	119	\$26.00	\$3,094.00
39	2531.503	CONCRETE CURB AND GUTTER DESIGN B618	LIN FT	5949	\$16.00	\$95,184.00
40	2531.504	6" CONCRETE DRIVEWAY PAVEMENT	SQ YD	87	\$90.00	\$7,830.00

**BID TABULATION**  
**City of East Bethel**  
**181st Avenue Street Reconstruction Project**

Base Bid					Forest Lake Contracting, Inc.	
ITEM NO.	Mn/DOT SPEC. NO.	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT PRICE	EXTENSION
41	2531.618	TRUNCATED DOMES	SQ FT	16	\$100.00	\$1,600.00
42	2540.602	MAIL BOX SUPPORT	EACH	10	\$350.00	\$3,500.00
43	2563.601	TRAFFIC CONTROL SUPERVISOR	LUMP SUM	1	\$10,000.00	\$10,000.00
44	2563.601	TRAFFIC CONTROL	LUMP SUM	1	\$13,000.00	\$13,000.00
45	2564.518	SIGN PANELS TYPE C	SQ FT	92.9	\$70.00	\$6,503.00
46	2564.618	SIGN SPECIAL	SQ FT	18	\$50.00	\$900.00
47	2573.501	STABILIZED CONSTRUCTION EXIT	LUMP SUM	1	\$2,500.00	\$2,500.00
48	2573.501	EROSION CONTROL SUPERVISOR	LUMP SUM	1	\$10,000.00	\$10,000.00
49	2573.502	STORM DRAIN INLET PROTECTION	EACH	8	\$200.00	\$1,600.00
50	2573.502	CULVERT END CONTROLS	EACH	6	\$350.00	\$2,100.00
51	2573.503	SILT FENCE; TYPE MS	LIN FT	6011	\$2.00	\$12,022.00
52	2574.508	FERTILIZER TYPE 1	POUND	840	\$1.00	\$840.00
53	2575.504	ROLLED EROSION PREVENTION CATEGORY 25	SQ YD	203	\$2.00	\$406.00
54	2575.505	SEEDING	ACRE	2.8	\$400.00	\$1,120.00
55	2575.508	HYDRAULIC BONDED FIBER MATRIX	POUND	9800	\$1.50	\$14,700.00
56	2575.508	SEED, MIXTURE 25-121	POUND	338	\$6.00	\$2,028.00
57	2582.503	4" SOLID LINE MULTI-COMPONENT	LIN FT	7682	\$1.00	\$7,682.00
58	2582.503	4" DOUBLE SOLID LINE MULTI-COMPONENT	LIN FT	3742	\$1.00	\$3,742.00
59	2582.503	24" SOLID LINE MULTI-COMPONENT	LIN FT	54	\$10.00	\$540.00
<b>Base Bid Total</b>					<b><u>\$1,416,200.00</u></b>	

**ENGINEER'S ESTIMATE  
181ST AVENUE RECONSTRUCTION PROJECT  
CITY OF EAST BETHEL**

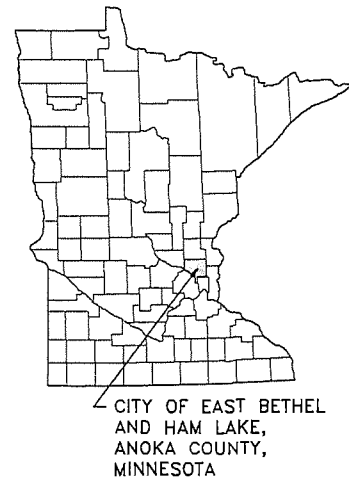
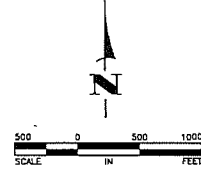
ITEM NO.	SPEC. REF.	DESCRIPTION	UNIT	UNIT COST	SAP 203-106-003				197-110-003				LOCAL		TOTAL ESTIMATED QUANTITY	TOTAL ESTIMATED COST		
					ROADWAY ESTIMATED QUANTITY	EXTENSION	STORM SEWER ESTIMATED QUANTITY	EXTENSION	ROADWAY ESTIMATED QUANTITY	EXTENSION	STORM SEWER ESTIMATED QUANTITY	EXTENSION	ESTIMATED QUANTITY	EXTENSION				
1	2021.501	MOBILIZATION	LUMP SUM	\$35,000.00	0.50	\$17,500			0.50	\$17,500					1.00	\$35,000		
2	2101.505	CLEARING	ACRE	\$5,500.00	0.15	\$825			0.25	\$1,375					0.40	\$2,200		
3	2101.505	GRUBBING	ACRE	\$3,800.00	0.15	\$570			0.25	\$950					0.40	\$1,520		
4	2104.502	REMOVE SIGN	EACH	\$50.00	5	\$250			1	\$50					6	\$300		
5	2104.502	REMOVE MAIL BOX SUPPORT	EACH	\$75.00	6	\$450			4	\$300					10	\$750		
6	2104.503	SAWING CONCRETE PAVEMENT - FULL DEPTH	LIN FT	\$20.00	4	\$80			24	\$480					28	\$560		
7	2104.503	SAWING BITUMINOUS PAVEMENT - FULL DEPTH	LIN FT	\$6.00	89	\$534			41	\$246					130	\$780		
8	2104.503	REMOVE PIPE CULVERT	LIN FT	\$25.00	175	\$4,375			142	\$3,550					317	\$7,925		
9	2104.503	REMOVE CURB AND GUTTER	LIN FT	\$4.00	387	\$1,548			570	\$2,280					957	\$3,828		
10	2104.504	REMOVE BITUMINOUS PAVEMENT	SQ YD	\$5.00	102	\$510			32	\$160					134	\$670		
11	2104.504	REMOVE CONCRETE FLUME	EACH	\$100.00	2	\$200			3	\$300					5	\$500		
12	2104.504	REMOVE CONCRETE PAVEMENT	SQ YD	\$2.00	16	\$32			72	\$144					88	\$176		
13	2106.507	EXCAVATION - MUCK	CU YD	\$12.00	3791	\$45,492			3791	\$45,492					7582	\$90,984		
14	2106.507	EXCAVATION - SUBGRADE	CU YD	\$15.00	1322	\$19,830			1322	\$19,830					2644	\$39,660		
15	2106.507	SELECT GRANULAR EMBANKMENT (CV)	CU YD	\$15.00	3791	\$56,865			3791	\$56,865					7582	\$113,730		
16	2108.504	GEOGRID TYPE 1	SQ YD	\$12.00	1333	\$15,996			1333	\$15,996					2666	\$31,992		
17	2108.504	GEOGRID TYPE 2	SQ YD	\$10.00	1417	\$14,170			1417	\$14,170					2834	\$28,340		
18	2112.519	SUBGRADE PREPARATION	ROAD STATION	\$250.00	15.3	\$3,825			15.3	\$3,825					30.6	\$7,650		
19	2211.509	AGGREGATE BASE CLASS 5	TON	\$23.00	600	\$13,800			600	\$13,800					1200	\$27,600		
20	2215.504	FULL DEPTH RECLAMATION	SQ YD	\$2.00	4511	\$9,022			4511	\$9,022					9022	\$18,044		
21	2215.507	HAUL FULL DEPTH RECLAMATION (LV)	CU YD	\$6.00	877	\$5,262			877	\$5,262					1754	\$10,524		
22	2232.504	MILL BITUMINOUS SURFACE (SPECIAL)	SQ YD	\$5.00	680	\$3,450			680	\$3,450					1360	\$6,900		
23	2357.506	BITUMINOUS MATERIAL FOR TACK COAT	GALLONS	\$5.00	173	\$865			173	\$865					346	\$1,730		
24	2360.504	TYPE SP 9.5 WEARING COURSE MIXTURE (2:C) 3.0" THICK	SQ YD	\$30.00	67	\$2,010			79	\$2,370					146	\$4,380		
25	2360.509	TYPE SP 12.5 WEARING COURSE MIXTURE (2:C)	TON	\$70.00	674	\$47,180			674	\$47,180					1348	\$94,360		
26	2360.509	TYPE SP 12.5 NON WEARING COURSE MIXTURE (2:C)	TON	\$69.00	529	\$36,501			529	\$36,501					1058	\$73,002		
27	2411.502	CONCRETE FLUME	EACH	\$800.00	1	\$800			1	\$800					2	\$1,600		
28	2501.502	15" CS PIPE APRON	EACH	\$350.00	4	\$1,400			2	\$700					6	\$2,100		
29	2501.502	15" RC PIPE APRON	EACH	\$1,400.00	2	\$2,800	2	\$2,800	2	\$2,800	2	\$2,800			8	\$11,200		
30	2501.502	18" RC PIPE APRON	EACH	\$1,500.00			1	\$1,500			1	\$1,500			2	\$3,000		
31	2501.503	15" CP PIPE CULVERT	LIN FT	\$55.00	57	\$3,135			26	\$1,430					83	\$4,565		
32	2501.503	15" RC PIPE CULVERT	LIN FT	\$75.00	40	\$3,000			48	\$3,600					88	\$6,600		
33	2503.503	15" RC PIPE SEWER DESIGN 3006 CLASS V	LIN FT	\$75.00			35	\$2,625			35	\$2,625			70	\$5,250		
34	2503.503	18" RC PIPE SEWER DESIGN 3006 CLASS V	LIN FT	\$80.00			25	\$2,000			25	\$2,000			50	\$4,000		
35	2506.502	CASTING ASSEMBLY	EACH	\$800.00			3	\$2,400			3	\$2,400			6	\$4,800		
36	2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN 48-4020	LIN FT	\$600.00			21.0	\$12,600			21.0	\$12,600			42.0	\$25,200		
37	2511.507	RANDOM RIPRAP CLASS II	CU YD	\$150.00	7	\$1,050	11	\$1,650	7	\$1,050	11	\$1,650			36	\$5,400		
38	2521.518	6" CONCRETE WALK	SQ FT	\$7.00					119	\$833					119	\$833		
39	2531.503	CONCRETE CURB AND GUTTER DESIGN B618	LIN FT	\$15.00	2975	\$44,625			2974	\$44,610					5949	\$89,235		
40	2531.504	6" CONCRETE DRIVEWAY PAVEMENT	SQ YD	\$63.00	38	\$2,394			49	\$3,087					87	\$5,481		
41	2531.618	TRUNCATED DOMES	SQ FT	\$75.00					16	\$1,200					16	\$1,200		
42	2540.602	MAIL BOX SUPPORT	EACH	\$150.00	6	\$900			4	\$600					10	\$1,500		
43	2563.601	TRAFFIC CONTROL SUPERVISOR	LUMP SUM	\$1,500.00	0.50	\$750			0.5	\$750					1	\$1,500		
44	2563.601	TRAFFIC CONTROL	LUMP SUM	\$7,500.00	0.50	\$3,750			0.5	\$3,750					1	\$7,500		
45	2564.518	SIGN PANELS TYPE C	SQ FT	\$85.00	53.6	\$4,556			39.3	\$3,341					92.9	\$7,897		
46	2564.618	SIGN SPECIAL	SQ FT	\$85.00									18	\$1,530	18	\$1,530		
47	2573.501	STABILIZED CONSTRUCTION EXIT	LUMP SUM	\$3,000.00	0.50	\$1,500			0.50	\$1,500					1.00	\$3,000		
48	2573.501	EROSION CONTROL SUPERVISOR	LUMP SUM	\$2,000.00	0.50	\$1,000			0.50	\$1,000					1.00	\$2,000		
49	2573.502	STORM DRAIN INLET PROTECTION	EACH	\$250.00	5	\$1,250			5	\$1,250					10	\$2,500		
50	2573.502	CULVERT END CONTROLS	EACH	\$250.00	4	\$1,000			2	\$500					6	\$1,500		
51	2573.503	SILT FENCE; TYPE MS	LIN FT	\$2.00	2620	\$5,240			3391	\$6,782					6,011	\$12,022		
52	2574.508	FERTILIZER TYPE 1	POUND	\$0.75	420	\$315			420	\$315					840	\$630		
53	2575.504	ROLLED EROSION PREVENTION CATEGORY 25	SQ YD	\$2.50	111	\$278			92	\$230					203	\$508		
54	2575.505	SEEDING	ACRE	\$250.00	1.4	\$350			1.4	\$350					2.8	\$700		
55	2575.508	HYDRAULIC BONDED FIBER MATRIX	POUND	\$1.25	4900	\$6,125			4900	\$6,125					9800	\$12,250		
56	2575.508	SEED, MIXTURE 25-121	POUND	\$5.00	169	\$845			169	\$845					338	\$1,690		
57	2582.503	4" SOLID LINE MULTI-COMPONENT	LIN FT	\$0.35	3916	\$1,371			3766	\$1,318					7682	\$2,689		
58	2582.503	4" DOUBLE SOLID LINE MULTI-COMPONENT	LIN FT	\$0.70	1871	\$1,310			1871	\$1,310					3742	\$2,619		
59	2582.503	24" SOLID LINE MULTI-COMPONENT	LIN FT	\$12.00	27	\$324			27	\$324					54	\$648		
					\$391,210				\$25,575				\$392,363		\$25,575		\$836,252	

**MINNESOTA DEPARTMENT OF TRANSPORTATION**  
**CONSTRUCTION PLANS FOR BITUMINOUS PAVEMENT RECLAMATION, BITUMINOUS SURFACING,**  
**CULVERT REPLACEMENT, SIGNING, STRIPING, AND EROSION CONTROL**  
**181ST AVENUE RECONSTRUCTION PROJECT**  
**CITY OF EAST BETHEL AND CITY OF HAM LAKE**

S.A.P. 203-106-003 AND S.A.P. 197-110-003 LOCATED ON 181ST AVENUE NE FROM JACKSON STREET/CONCORD DRIVE TO TRUNK HIGHWAY 65  
 SECTIONS 5,6,31, AND 32, TOWNSHIPS 32 AND 33, RANGE 23



THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL "D". THIS UTILITY 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."



STOPPING SIGHT DISTANCE BASED ON:  
 3.5 FT - HEIGHT OF EYE  
 2.0 FT - HEIGHT OF OBJECT

PROJECT	STA. TO STA.	GROSS LENGTH (FEET)	BRIDGE LENGTH (FEET)	EXCEPTION LENGTH (FEET)	NET LENGTH (FEET)	NET LENGTH (MILES)	ADT (2022)	ADT (2042)	DESIGN ESAL	R VALUE	TON DESIGN	DESIGN SPEED	NUMBER OF LANES	NUMBER OF PARKING LANES	FUNCTIONAL CLASSIFICATION
S.A.P. 203-106-003 S.A.P. 197-110-003 181ST AVENUE NE	0+40 TO 38+55	3815	0	0	3815	0.72	1803	2200	234,286	30	10	40	2	0	COLLECTOR

**GOVERNING SPECIFICATIONS**

THE 2020 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" VOLUMES 1 AND 2 SHALL APPLY.

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 LATEST EDITION OF THE MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, INCLUDING THE LATEST FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS.

ALL REQUIREMENTS OF THE PROJECT MANUAL FOR THE 181ST AVENUE RECONSTRUCTION PROJECT.

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL "D". THIS UTILITY 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."

**SHEET INDEX**

THIS PLAN CONTAINS 54 SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	ESTIMATED QUANTITIES AND SCHEDULES
3	GENERAL CONSTRUCTION NOTES AND PROJECT LEGEND
4	TYPICAL SECTIONS
5-6	DETAILS
7	TRAFFIC CONTROL PLAN FOR ROAD CLOSURE
8	TRAFFIC CONTROL PLAN FOR TRUNK HIGHWAY 65 TIE IN
9	EROSION CONTROL DETAILS AND NOTES
10	PERMANENT EROSION CONTROL DETAILS
11-17	SIGN DETAILS
18-22	EXISTING CONDITIONS AND REMOVALS PLANS
23-31	CONSTRUCTION PLANS
32-36	EROSION CONTROL PLANS
37	PAVEMENT MARKING NOTES, KEY, AND TABULATION
38-42	STRIPING AND SIGNAGE PLANS
43	EXCAVATION AND FILL DETAILS AND NOTES
44	EARTHWORKS SUMMARY
X1-X10	CROSS SECTIONS

*Thomas P. Cella* For DATE 3/28/22  
 CITY OF HAM LAKE  
 CITY ENGINEER

*Julie Drael* For DATE 4/4/2022  
 DISTRICT STATE AID ENGINEER: REVIEWED FOR COMPLIANCE WITH STATE AID RULES/POLICY

*Julie Drael* For DATE 4/4/2022  
 STATE AID ENGINEER: APPROVED FOR STATE AID FUNDING

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.

*Craig J. Joehum* 23451 DATE 3/25/22  
 CRAIG J. JOEHUM, P.E. LIC. NO.  
 HAKANSON ANDERSON  
 CITY ENGINEER

DATE	REVISION
4/7/22	STATE AID REVIEW

S.A.P. 203-106-003  
 S.A.P. 197-110-003 SHEET 1 OF 44 SHEETS

**Hakanson Anderson**  
 Civil Engineers and Land Surveyors  
 3601 Thurston Ave., Anoka, Minnesota 55303  
 763-427-5860 FAX 763-427-0520

4/7/22 10:53 AM C:\Users\jacob\OneDrive\Documents\181st Ave\181st Ave.dwg

ESTIMATED QUANTITIES										
ITEM NO.	REF. SPEC. NO.	MnDOT SPEC. NO.	ITEM DESCRIPTION	UNIT	TOTAL ESTIMATED QUANTITY	SAP 203-106-003		197-110-003		LOCAL
						ROADWAY	STORM SEWER	ROADWAY	STORM SEWER	
1		2021.001	MOBILIZATION	LUMP SUM	1	0.5		0.5		
2		2101.003	CLEARING	ACRE	0.40	0.15		0.25		
3		2101.002	GROBING	ACRE	0.40	0.15		0.25		
4		2104.002	REMOVE SIGN	EACH	6	5		1		
5		2104.002	REMOVE MAIL BOX SUPPORT	EACH	10	6		4		
6		2104.003	SAWING CONCRETE PAVEMENT - FULL DEPTH	LN FT	28	4		24		
7		2104.003	SAWING BITUMINOUS PAVEMENT - FULL DEPTH	LN FT	190	69		121		
8		2104.003	REMOVE PIPE CULVERT	LN FT	317	115		202		
9		2104.003	REMOVE CURB AND GUTTER	LN FT	627	367		260		
10		2104.004	REMOVE BITUMINOUS PAVEMENT	SQ YD	134	102		32		
11		2104.004	REMOVE CONCRETE FLUME	SQ YD	5	2		3		
12		2104.004	REMOVE CONCRETE PAVEMENT	SQ YD	88	18		70		
13		2106.007	EXCAVATION - MISC	CU YD	7262	3791		3471		
14		2106.007	EXCAVATION - SUBGRADE	CU YD	2644	1322		1322		
15		2106.007	SELECT GRANULAR EMBANKMENT (GV)	CU YD	7262	3791		3471		
16	(1)	2108.004	GEOGRID TYPE 1	SQ YD	2666	1333		1333		
17	(1)	2108.004	GEOGRID TYPE 2	SQ YD	2834	1417		1417		
18		2112.016	SUBGRADE PREPARATION	ROAD STAICH	30.5	15.3		15.3		
19	(2)	2211.009	AGGREGATE BASE CLASS 5	TON	1200	600		600		
20	(3)	2212.004	FULL DEPTH RECLAMATION	SQ YD	9022	4511		4511		
21	(4)	2212.007	HAUL FULL DEPTH RECLAMATION (LV)	CU YD	1154	677		677		
22		2232.004	MILL BITUMINOUS SURFACE (SPECIAL)	SQ YD	1380	690		690		
23		2287.006	BITUMINOUS MATERIAL FOR TACK COAT	GALLONS	346	173		173		
24		2360.004	TYPE SP 8 WEARING COURSE MIXTURE (2.C) 3.0" THICK	SQ YD	146	73		73		
25		2360.000	TYPE SP 12.5 WEARING COURSE MIXTURE (2.C)	TON	1348	674		674		
26		2360.009	TYPE SP 12.5 NON WEARING COURSE MIXTURE (2.C)	TON	1058	529		529		
27		2411.002	CONCRETE FLUME	EACH	2	1		1		
28		2501.002	15" CS PIPE APRON	EACH	6	4		2		
29		2501.002	15" RC PIPE APRON	EACH	8	2		6		
30		2501.002	18" RC PIPE APRON	EACH	2		2		2	
31		2501.003	15" CP PIPE CULVERT	LN FT	83	57		26		
32		2501.003	15" RC PIPE CULVERT	LN FT	86	40		46		
33		2503.003	15" RC PIPE SEWER DESIGN 3006 CLASS V	LN FT	70		35		35	
34		2503.003	18" RC PIPE SEWER DESIGN 3006 CLASS V	LN FT	50		25		25	
35		2506.002	CASTING ASSEMBLY	EACH	6	3		3		
36		2506.003	CONSTRUCT DRAINAGE STRUCTURE DESIGN 48-4000	LN FT	42		21.0		21.0	
37		2511.007	RANDOM RIPRAP CLASS II	CU YD	36	7		7		11
38		2521.018	6" CONCRETE WALK	SQ FT	110		110			
39		2531.003	CONCRETE CURB AND GUTTER DESIGN 8018	LN FT	284	142		142		
40		2531.004	6" CONCRETE DRIVEWAY PAVEMENT	SQ YD	97	38		59		
41		2531.018	TRUNCATED DOWNS	SQ FT	10		10			
42		2540.002	MAIL BOX SUPPORT	EACH	10	6		4		
43		2560.001	TRAFFIC CONTROL SUPERVISOR	LUMP SUM	1	0.5		0.5		
44		2560.001	TRAFFIC CONTROL	LUMP SUM	1	0.5		0.5		
45		2564.016	SIGN PANELS TYPE C	SQ FT	92.8	55.6		37.2		
46		2564.016	SIGN SPECIAL	SQ FT						10
47		2573.001	STABILIZED CONSTRUCTION EXT	LUMP SUM	1	0.5		0.5		
48		2573.001	EROSION CONTROL SUPERVISOR	LUMP SUM	1	0.5		0.5		
49		2573.002	STORM DRAIN INLET PROTECTION	EACH	10	5		5		
50	(5)	2573.002	CULVERT END CONTROLS	EACH	6	4		2		
51		2573.003	SILT FENCE TYPE MS	LN FT	6011	2620		3391		
52		2574.008	FERTILIZER TYPE 1	POUND	840	420		420		
53		2575.004	ROLLED EROSION PREVENTION CATEGORY 2S	SQ YD	203	111		92		
54		2575.005	SEEDING	ACRE	2.8	1.4		1.4		
55		2575.005	HYDRAULIC BONDED FIBER MATRIX	POUND	9000	4500		4500		
56		2575.008	SEED MIXTURE 2S-121	POUND	338	169		169		
57		2582.003	4" SOLID LINE MULTI-COMPONENT	LN FT	7662	3,816		3,846		
58		2582.003	4" DOUBLE SOLID LINE MULTI-COMPONENT	LN FT	3742	1,871		1,871		
59		2582.003	12" SOLID LINE MULTI-COMPONENT	LN FT	51	27		27		

BASIS OF ESTIMATED QUANTITIES	
AGGREGATE BASE CLASS 5	100 lbs/sq ft/in
NON WEARING BITUMINOUS COURSE MIXTURE	110 lbs/sq ft/in
WEARING COURSE BITUMINOUS MIXTURE	110 lbs/sq ft/in
BITUMINOUS MATERIAL FOR TACK COAT - NEW ASPHALT	0.06 gal/sq ft
BITUMINOUS MATERIAL FOR TACK COAT - OLD ASPHALT	0.07 gal/sq ft
BITUMINOUS MATERIAL FOR TACK COAT - MILLED ASPHALT	0.08 gal/sq ft
HYDRAULIC FIBER BONDED MATRIX	3500 lbs/acre
SEED MIX 2S-121	132 lbs/acre
TYPE 1, COMMERCIAL FERTILIZER	300 lbs/acre

STANDARD PLATES	
THESE STANDARD PLATES AS APPROVED BY THE FHWA SHALL APPLY	
PLATE NO	DESCRIPTION
3058M	REINFORCED CONCRETE PIPE (6 SHEETS)
3068H	GASKET JOINT FOR R.C. PIPE (2 SHEETS)
3097F	SHEAR REINFORCEMENT FOR PRECAST DRAINAGE STRUCTURES
3106G	CONCRETE APRON FOR REINFORCED CONCRETE PIPE
3123J	METAL APRON FOR C.S. PIPE
3124B	METAL APRON CONNECTION
3132D	RRRAP AT RCP OUTLETS
3145G	CONCRETE PIPE OR PRECAST CULVERT TIES
4011E	PRECAST CONCRETE BASE
4024J	MANHOLE OR CATCH BASIN
	(FOR USE WITH OR WITHOUT TRAFFIC LOADS) (2 SHEETS)
4026A	CONCRETE ENCASED CONCRETE ADJUSTING RINGS
4188F	ADJUSTING RINGS FOR CATCH BASINS AND MANHOLES
4143C	GRATE CASTING FOR CATCH BASIN - CASTING NO. 810
4165D	CURB BOX CASTING FOR CATCH BASIN - CASTING NO. 823A AND 833A
4181B	MANHOLE OR CATCH BASIN STEP
7038A	DETECTABLE WARNING SURFACE TRUNCATED DOWNS
7109H	CONCRETE CURB AND GUTTER (DESIGN B AND DESIGN V)
7111J	INSTALLATION OF CATCH BASIN CASTINGS (CONCRETE CURB AND GUTTER)
8009K	TEMPORARY CHANNELLED SHEETS
9328B	MALBOX SUPPORT - SWING-AWAY TYPE

- REFERENCE NOTES:
- CONTRACTOR SHALL OVERLAP GEOGRID PER THE MANUFACTURERS RECOMMENDATION. NO MEASUREMENT OR PAYMENT WILL BE MADE FOR THE OVERLAP.
  - CONTRACTOR SHALL USE UP THE ONSITE RECLAIM MATERIAL AS AGGREGATE BASE PRIOR TO IMPORTING AGGREGATE BASE CLASS 5.
  - CONTRACTOR SHALL RECLAIM THE EXISTING AGGREGATE BASE AND BITUMINOUS PAVEMENT PER MnDOT SECTION 2215. MATERIAL SHALL BE USED AS AGGREGATE BASE.
  - THIS ITEM SHALL INCLUDE SALVAGING AND TEMPORARILY STOCKPILING THE RECLAIM MATERIAL. PLACING THE SALVAGED RECLAIM MATERIAL AS AGGREGATE BASE SHALL BE INCIDENTAL. THIS ITEM WILL ONLY BE PAID TO SALVAGE THE MATERIAL ONCE, IF THE MATERIAL NEEDS TO BE EXCAVATED AND HAULED MULTIPLE TIMES, THIS WORK SHALL BE INCIDENTAL.
  - THIS ITEM WILL ONLY BE MEASURED ONCE FOR EACH INLET.
  - TYPE 1 INLETS (SEE DETAIL 3 ON SHEET 9) SHALL BE USED PRIOR TO SETTING THE CATCH BASINS AND TYPE 2 INLETS (SEE DETAIL 4 ON SHEET 9) SHALL BE USED AFTER THE CATCH BASINS ARE INSTALLED.

STORM SEWER SCHEDULE																		
STRUCTURE NO.	STRUCTURE LOCATION	DRAINAGE STRUCTURES				FLOWLINE OR APRON INVERT ELEVATION	INVERT ELEVATION	15" RCP CL V LN FT	18" RCP CL V LN FT	15" APRON LN FT	10" APRON LN FT	10" APRON EACH	PIPE SLOPE %	STORM DRAIN INLET PROTECTION TYPE 1 SEE REF. NOTE 6 EACH	STORM DRAIN INLET PROTECTION TYPE 2 SEE REF. NOTE 6 EACH	CULVERT END CONTROLS EACH	CLASS II RRAP CU YD	
		PLATE 400 LN FT	CASTING ASSEMBLY	TYPE	OFFSET													
401	402	181ST AVENUE	5+80.50	46" L	APRON	NA	003.06	NA	10	6	1	2.25						
402	403	181ST AVENUE	5+80.50	15" L	CBMH	6.00	SEE PLATE 705 011 SHEET 6	003.60	NS SUMP 092.70	30			0.20	1	1			
403	404	181ST AVENUE	5+80.50	15" R	CBMH	6.00	SEE PLATE 705 011 SHEET 6	005.60	NS SUMP 092.54	10	6		0.20	1	1			
404	WETLAND	181ST AVENUE	5+80.50	46" R	APRON	NA	002.55	NA			1					4		
405	406	181ST AVENUE	23+34.71	46" L	APRON	NA	000.82	NA	10	6	1	1.38				5		
406	407	181ST AVENUE	23+34.71	15" L	CBMH	6.00	SEE PLATE 705 011 SHEET 6	003.50	NS SUMP 090.60	30			0.20	1	1			
407	408	181ST AVENUE	23+34.71	15" R	CBMH	6.00	SEE PLATE 705 011 SHEET 6	003.50	NS SUMP 090.54	10	6		0.20	1	1			
408	WETLAND	181ST AVENUE	23+34.71	46" R	APRON	NA	000.51	NA									5	
409	410	181ST AVENUE	27+08.70	15" L	CBMH	6.00	SEE PLATE 705 011 SHEET 6	004.60	NS SUMP 091.70	10	6		0.20	1	1			
410	WETLAND	181ST AVENUE	27+08.70	46" L	APRON	NA	001.67	NA									4	
411	412	181ST AVENUE	27+08.70	15" R	CBMH	7.10	SEE PLATE 705 011 SHEET 6	004.60	NS SUMP 091.50	10	6		0.20	1	1			
412	WETLAND	181ST AVENUE	27+08.70	46" L	APRON	NA	001.47	NA									4	
TOTAL						41.7		70	50		4	2		6	6	2	22	

DATE	REVISION
4/7/22	STAKE AND REVIEW

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.

CRAIG J JOCHUM, P.E.  
Date 3/25/22 Lic. No. 23461

**Hakanson Anderson**  
Civil Engineers and Land Surveyors  
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763-427-5860 FAX 763-427-0520  
www.hakanson-anderson.com



181ST AVENUE RECONSTRUCTION PROJECT

ESTIMATED QUANTITIES AND SCHEDULES

CITIES OF EAST BETHEL AND HAM LAKE

SHEET 2 OF 44

EB356

APR 05 2022 9:08 AM K:\UNIDRAW\DRAWING\EB356\DETAILS 4.dwg

GENERAL CONSTRUCTION AND SOILS NOTES:

1. PERFORMANCE GRADED (PG) ASPHALT BINDER PG 58H-34, SPEC. 3151, SHALL BE USED FOR ALL BITUMINOUS MIXES ON THIS PROJECT.
2. THE BITUMINOUS MIXTURES SHALL MEET THE REQUIREMENTS OF SPECIFICATIONS 2360 AND 3139.
3. IF NECESSARY, THE UTILITY COMPANIES WILL RELOCATE THEIR FACILITIES CONCURRENTLY WITH THE CONSTRUCTION OPERATIONS UNDER THIS CONTRACT. CONTRACTOR SHALL SCHEDULE CONSTRUCTION IN COOPERATION WITH UTILITY RELOCATION. THE CONTRACTOR WILL NOT BE PROVIDED ANY ADDITIONAL COMPENSATION FOR ANY DELAYS WITH THE UTILITY RELOCATIONS.
4. ALL TRENCH AND OTHER EXCAVATIONS GREATER THAN 24 INCHES DEEP SHALL BE BACKFILLED AT THE END OF EACH WORK DAY. EXTRA WORK REQUIRED TO BACKFILL AND CORRESPONDINGLY REMOVE MATERIAL THE NEXT WORK DAY SHALL BE INCIDENTAL.
5. ALL LABOR, MATERIAL, EQUIPMENT AND WORK REQUIRED TO PROTECT CONCRETE CURB AND PAVEMENT AGAINST COLD WEATHER SHALL BE INCIDENTAL.
6. THE CONTRACTOR SHALL POST THE SWPPP, AND OTHER REQUIRED DOCUMENTS ON SITE. THE METHOD OF POSTING SHALL BE APPROVED BY THE ENGINEER.
7. UTILITY COMPANIES MAY HAVE NEW CONDUITS THAT CROSS THE STREET IN CERTAIN LOCATIONS. IF INSTALLATION OF NEW CONDUITS IS REQUIRED THE UTILITY COMPANY WILL FURNISH THE CONDUIT AND CONTRACTOR SHALL INSTALL THEM. THIS WORK SHALL BE INCIDENTAL.
8. DEWATERING REQUIRED FOR THE CONSTRUCTION OF THE SUBGRADE, STORM SEWER, CULVERTS AND OTHER WORK SHALL BE INCIDENTAL.
9. CONTRACTOR SHALL PROVIDE TWO TEMPORARY MAILBOX LOCATIONS AS DIRECTED BY THE ENGINEER. ONE LOCATION SHALL BE NEAR JACKSON STREET AND THE OTHER LOCATION NEAR VILLAGE GREEN DRIVE. CONTRACTOR SHALL SALVAGE THE EXISTING MAILBOX AND NEWSPAPER HOLDERS. CONTRACTOR SHALL FURNISH AND INSTALL NEW MAIL BOX SUPPORT PER MNDOT STANDARD PLATE 9350B. INSTALL OF EXISTING MAILBOXES, NEWSPAPER HOLDERS AND PROVIDING TEMPORARY MAILBOXES WORK SHALL BE INCIDENTAL.
10. CONTRACTOR SHALL TIE ALL RCP JOINTS PER MNDOT STANDARD PLATE 3145G.
11. CONTRACTOR SHALL IMPORT AND EXPORT ALL MATERIALS, EXCESS SOILS, DEBRIS, AND EQUIPMENT VIA TRUNK HIGHWAY 65 TO THE MAXIMUM EXTENT POSSIBLE. CONTRACTOR SHALL NOT USE LOCAL CITY ROADS UNLESS APPROVED BY ENGINEER.
12. OVER EXCAVATING THE RIGHT OF WAY OUTSIDE THE ROAD CORE TO MINE GRANULAR FILL SHALL NOT BE ALLOWED.
13. ALL EXCESS SOIL IS THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF BY THE CONTRACTOR OUTSIDE THE RIGHT OF WAY.

LEGEND

- 903----- EXISTING CONTOUR
- ===== RIGHT-OF-WAY
- SECTION LINE
- EXISTING EASEMENT
- PROPERTY LINE
- DELINEATED WETLAND
- GAS MAIN
- BURIED TELEPHONE CABLE
- OVERHEAD UTILITY
- OVERHEAD ELECTRIC
- BURIED ELECTRIC
- WIRE FENCE
- CHAIN LINK FENCE
- EXISTING STORM SEWER
- EXISTING SANITARY SEWER
- PROPOSED STORM SEWER
- PROPOSED SANITARY SEWER
- PROPOSED WATERMAIN
- ===== EXISTING CONCRETE CURB AND GUTTER
- ===== PROPOSED CONCRETE CURB AND GUTTER
- ~~~~~ DRIPLINE
- ⊗ DECIDUOUS AND CONIFEROUS TREES
- ⊞ UTILITY PEDESTAL
- ⊞ POWER POLE
- ⊞ GUY WIRE
- ⊞ CATCH BASIN INLETS
- ⊞ STORM SEWER MANHOLE
- ⊞ STORM SEWER APRON
- ⊞ MAILBOX
- ⊞ SIGN
- ⊞ DETAIL NUMBER
- ⊞ SHEET NUMBER
- ⊗ SOIL BORING
- ⊗ UTILITY MARKER

A-02-2017 - R-04-01-16-0000-ENGINEERING/DETAILS #49

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.

*Craig J. Jochum*  
**CRAIG J. JOCHUM, P.E.**  
 Lic. No. 23451  
 Date 3/25/22

DESIGN BY CJJ
DRAWN BY SGJ
CHECKED BY TAE



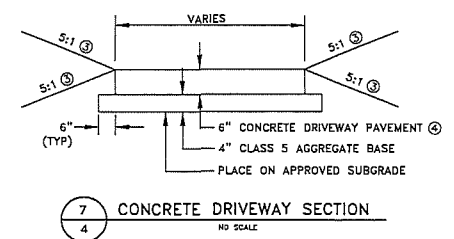
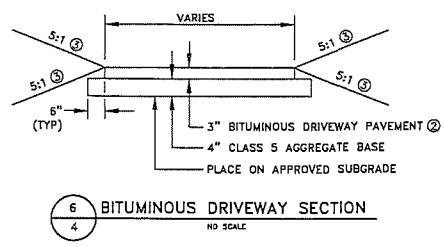
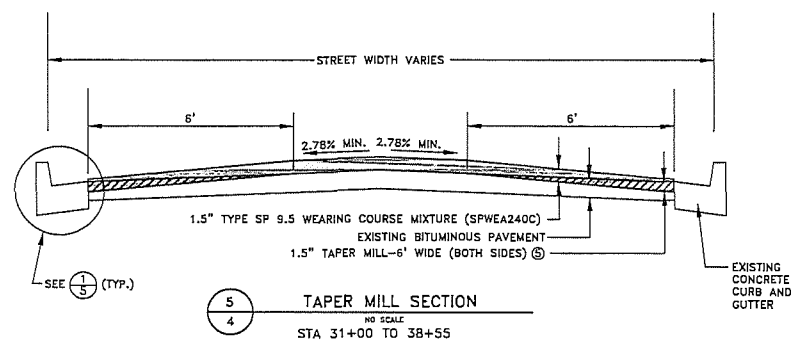
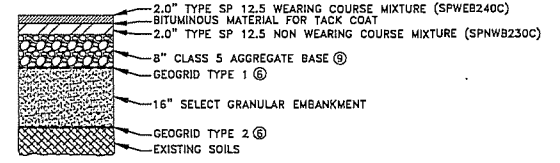
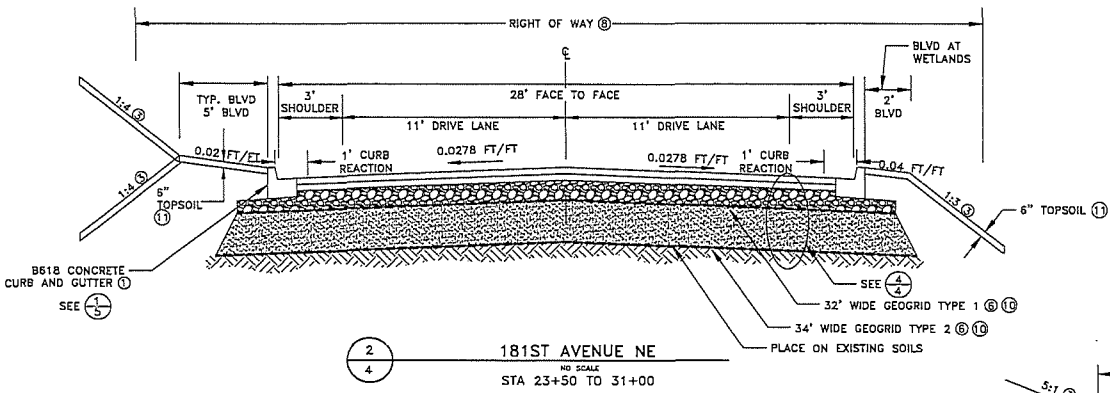
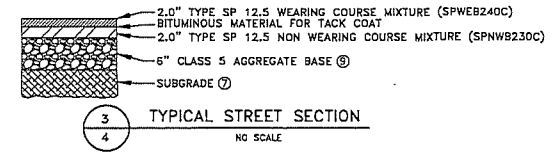
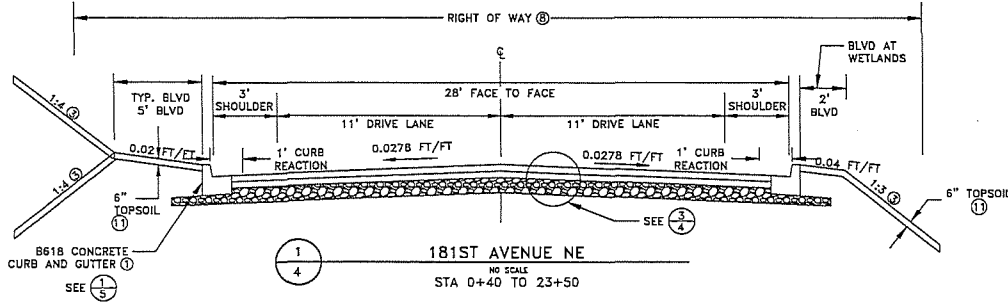
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181ST AVENUE RECONSTRUCTION PROJECT

GENERAL CONSTRUCTION NOTES  
 AND PROJECT LEGEND  
 CITIES OF EAST BETHEL AND HAM LAKE

S.A.P. 203-106-003  
 S.A.P. 197-110-003

SHEET  
 3  
 OF  
 44  
 SHEETS



- REFERENCE NOTES:
- ① MnDOT STANDARD PLATE 7100.
  - ② BITUMINOUS DRIVEWAY PAVEMENT SHALL BE PAID PER ITEM 236D-TYPE SP 9.5 WEARING COURSE MIXTURE (2.C) 3.0" THICK.
  - ③ BACK SLOPES AT WETLANDS SHALL BE 1:4 AT STA 5+50 TO 6+00 AND STA 21+50 TO 23+50. SEE CROSS SECTIONS.
  - ④ CONCRETE DRIVEWAY PAVEMENT SHALL BE PAID PER ITEM 2531-6" CONCRETE DRIVEWAY PAVEMENT.
  - ⑤ TAPER MILL SHALL BE PAID PER ITEM 2232-MILL BITUMINOUS SURFACE (SPECIAL). TAPER MILL DEPTH SHALL MATCH THE WEAR COURSE THICKNESS.
  - ⑥ GEOGRID TYPE 1 SHALL BE TENSAR HX165 AND GEOGRID TYPE 2 SHALL BE TENSAR NX850-FG OR APPROVED EQUAL.
  - ⑦ SEE CROSS SECTIONS FOR LOCATIONS OF MUCK EXCAVATION. SEE SHEET 43 FOR TYPICAL EXCAVATION AND FILL DETAILS IN MUCK AREAS.
  - ⑧ RIGHT OF WAY VARIES SEE PLANS. MINIMUM RIGHT OF WAY IN ALL LOCATIONS IS 66 FEET.
  - ⑨ MATERIAL SHALL MEET THE REQUIREMENTS OF MnDOT SECTION 313B TABLES 313B.2-5 AND 313B.2-6.
  - ⑩ THE CONTRACTOR WILL NOT BE ALLOWED TO OPERATE EQUIPMENT DIRECTLY ON THE GEOGRID. THE CONTRACTOR SHALL SPREAD THE FULL DEPTH OF SELECT GRANULAR AND CLASS 5 OVER THE GEOGRID WITH LOW PRESSURE TRACK EQUIPMENT.
  - ⑪ ALL DISTURBED AREAS SHALL BE RESTORED PER NOTE 16 ON SHEET 9. CONTRACTOR SHALL USE ON SITE TOPSOIL AND MUCK SOILS FOR TOPSOIL DRESSING AS DIRECTED BY THE ENGINEER. PLACEMENT OF TOPSOIL SHALL BE INCIDENTAL TOPSOIL SHALL BE A MINIMUM DEPTH OF 6" AND A MAXIMUM DEPTH OF 10 INCHES.

Apr. 03, 2023 - 8:40am  
 K:\MUNICIPAL\181ST AVENUE\EB356.DETAILS.dwg

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.

**CRAIG J. JOCHUM, P.E.**  
 Lic. No. 23461  
 Date 3/25/23

DESIGN BY: C.J.J.  
 DRAWN BY: SGJ  
 CHECKED BY: TAE



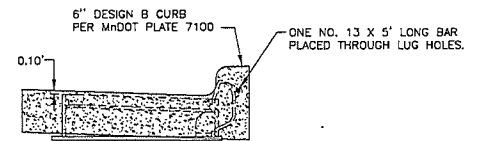
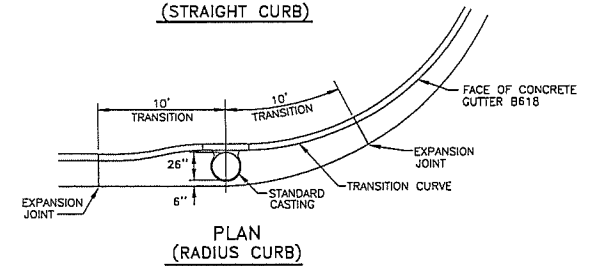
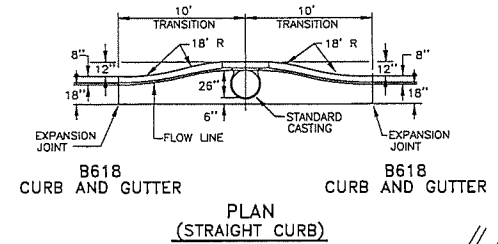
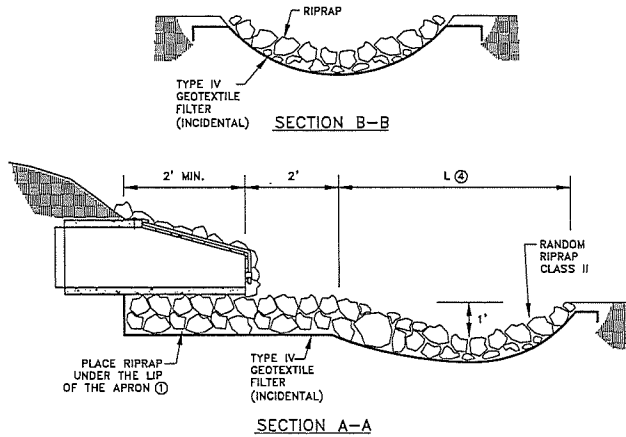
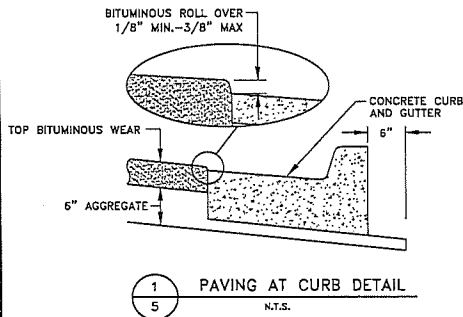
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**181ST AVENUE RECONSTRUCTION PROJECT**

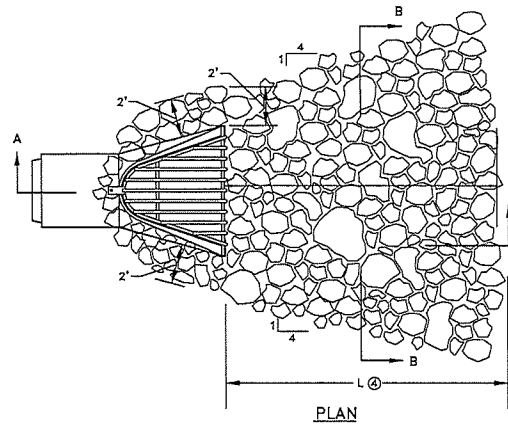
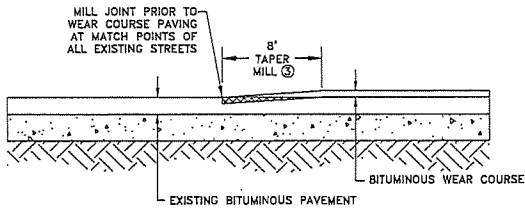
**TYPICAL SECTIONS**  
 CITIES OF EAST BETHEL AND HAM LAKE

SHEET 4 OF 44 SHEETS  
 E8356

S.A.P. 203-106-003  
 S.A.P. 197-110-DD3



CURB REINFORCING (DESIGN B CURB)



REFERENCE NOTES:

- ① RIPRAP AND GEOTEXTILE FILTERS MUST BE PLACED PRIOR TO APRON INSTALLATION.
- ② PERIMETER GROUT NOT SHOWN. SEE MN/DOT STANDARD PLATE 4026.
- ③ TAPER MILL SHALL BE PAID PER ITEM 2232-MILL BITUMINOUS SURFACE (SPECIAL). TAPER MILL DEPTH SHALL MATCH THE WEAR COURSE THICKNESS.
- ④ L SHALL BE IN ACCORDANCE WITH MNDOT STANDARD PLATE 3133D.

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S.A.P. 197-110-003

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BRAG J. JOCHUM, P.E.  
Date 3/25/22 Lic. No. 23461

DESIGN BY  
CJJ

CHECK BY  
SGJ

DATE  
TAE



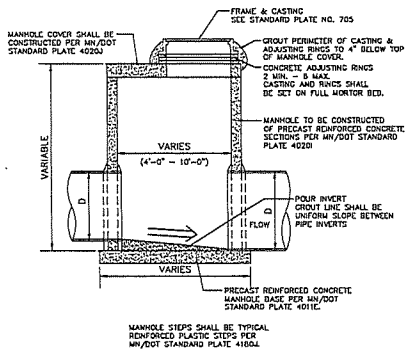
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181ST AVENUE RECONSTRUCTION PROJECT

DETAILS  
CITIES OF EAST BETHEL AND HAM LAKE

SHEET 5 OF 44 SHEETS  
EB356





SLAB TOP MANHOLE (STORM SEWER)  
4'-0" THROUGH 10'-0" INSIDE DIAMETER  
NO SCALE

APPROVED  
3-02-05  
ALWAY



CITY OF  
EAST BETHEL

STANDARD PLATE No.  
400

APPROVED  
3-02-05  
FROBERG



CITY OF  
EAST BETHEL

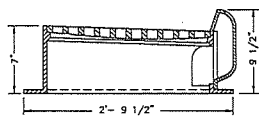
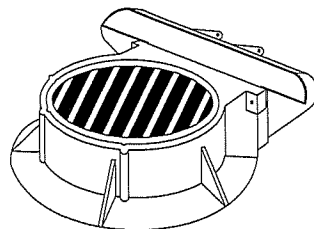
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APPROVED  
10-07-13  
ALWAY



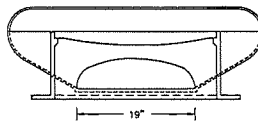
CITY OF  
EAST BETHEL

STANDARD PLATE No.  
707



INLET ASSEMBLY

SEE DETAIL 3 ON SHEET 5 FOR CURB & GUTTER CONSTRUCTION AT CATCH BASIN.  
C&S BROTHERS 801 8.25" LOW PROFILE WITH 823 1603 BACK OR APPROVED EQUAL.



INLET CASTING

NO SCALE

APPROVED  
3-02-05  
FROBERG



CITY OF  
EAST BETHEL

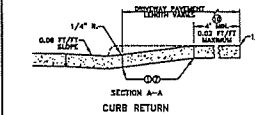
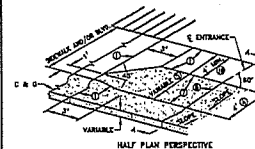
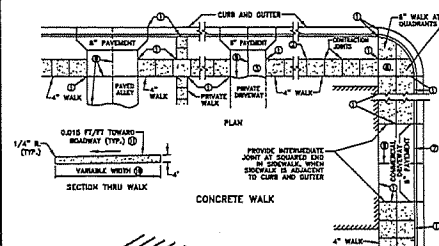
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APPROVED  
10-07-13  
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CITY OF  
EAST BETHEL

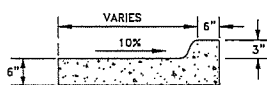
STANDARD PLATE No.  
707



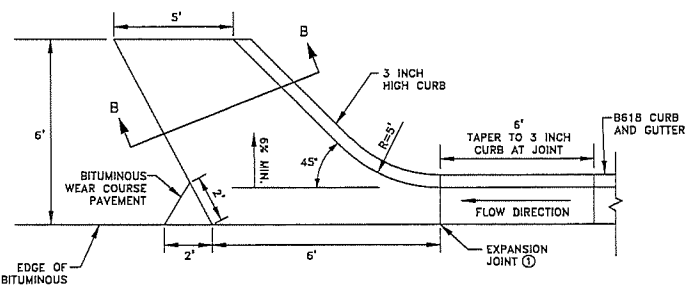
CONCRETE WALK AND CURB RETURNS AT ENTRANCES

NO SCALE

- GENERAL NOTES:
- SEE HW/DOT ROAD DESIGN MANUAL, CHAPTER 8, FOR GEOMETRIC DESIGN OF ENTRANCES.
  - WHERE THE SIDE, ALTERNATE ENTRANCE GRADIENT WOULD EXIST, THE WALK SHALL BE REMOVED AND TOPSLOPE OF THE PAVEMENT MAINTAINED TO PROVIDE THE REQUIRED DRAINAGE SLOPE.
  - SEE PLAN FOR PLACEMENT OF WALK AND SIDEWALK FOR CONSTRUCTION OF CONCRETE.
- REFERENCE NOTES:
- 1/2" EXPANSION JOINT, 1/2" FORMED JOINT FILLER MATERIAL, WIDTH 1/2" (REQUIRED WHEN 2 CONCRETE AREAS ARE POURED SEPARATELY).
  - 1/2" EXPANSION JOINT AT ALL FT. (REQUIRED).
  - MAXIMUM SPACING.
  - WALKER RELIEF GROOVE THICKNESS (1" MIN.).
  - WITHOUT SIDEWALK, PAVE ONLY TO THE END OF CURB FROM WALK ENTRANCE IS UNIMPROVED OR CONSTRUCTION IS NOT NEEDED BEYOND THIS POINT.
  - WITH SIDEWALK, PAVE TO THE EDGE OF SIDEWALK.
  - CONSTRUCTION JOINT (FORMED OR SAWED).
  - EXPANSION JOINT NOT REQUIRED IF ADJACENT MATERIAL SECTIONS ARE POURED MONOLITHICALLY. SEE SECTION A-A.
  - SEE PLAN FOR PLACEMENT OF FORMWORK CURB RAMP.
  - FORM CONSTRUCTION JOINT AS NEEDED TO PRODUCE APPROXIMATELY SQUARE PANELS (MAXIMUM WIDTH 15' BETWEEN JOINTS).
  - THE MINIMUM CONTRACTION AND UNRESTRICTED CURE WITHIN OF A PROTECTION ACCESS ROUTE SHALL BE 4'.
  - SEE PLAN FOR PROPOSED CURB SLOPE OF THE PROTECTION ACCESS ROUTE, WHICH MAY NOT EXCEED 8.5% (7:1) AS CONSTRUCTED.



SECTION B-B



1  
6 CONCRETE FLUME (2)

REFERENCE NOTES:

- PAY ITEM 2531-CONCRETE CURB AND GUTTER DESIGN B618 ENDS AT THE EXPANSION JOINT. THE CONCRETE FLUME SHALL BE PAID PER ITEM 2411-CONCRETE FLUME.
- CONTRACTOR SHALL PLACE CLASS II RANDOM RIPRAP OVER TYPE IV GEOTEXTILE FILTER AT FLUMES AS DIRECTED BY THE ENGINEER AND PER (2) (5)

S.A.P. 203-106-003  
S.A.P. 197-110-003

DATE	REVISION

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*Craig J. Jochum, P.E.*  
Date 3/25/22 Lic. No. 23461

DESIGN BY: C.J.J.  
CHECK BY: SGJ  
DESIGN NO.: TAE



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181ST AVENUE RECONSTRUCTION PROJECT

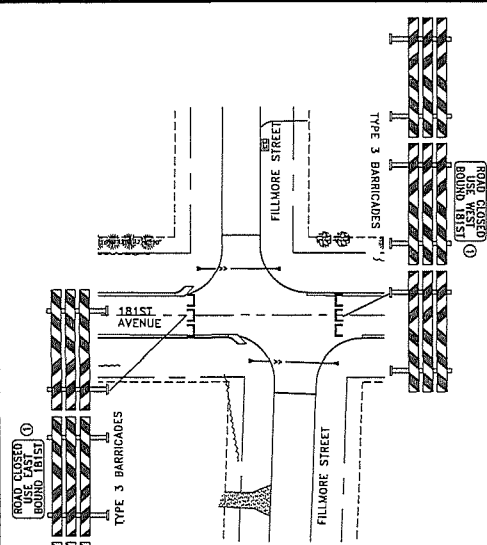
DETAILS

CITIES OF EAST BETHEL AND HAM LAKE

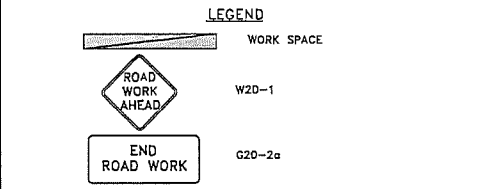
SHEET  
6  
OF  
44  
SHEETS

EB356

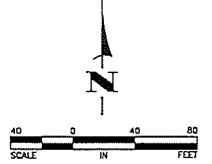
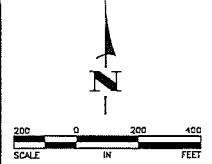
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REFERENCE NOTES:  
 ① PLACE SIGN AND BARRICADES WHEN NEEDED FOR CONSTRUCTION AND AS DIRECTED BY THE ENGINEER.



- REFERENCE NOTES:  
 ① INSTALL SIGN 10 DAYS BEFORE CLOSURE.
- GENERAL NOTES:
1. REFER TO THE MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MMUTCD) FOR SPACING OF TRAFFIC CONTROL SIGNS AND DEVICES.
  2. CONTRACTOR SHALL PROVIDE ACCESS TO RESIDENTS AT ALL TIMES. WHEN TEMPORARY OBSTRUCTION OF THE DRIVEWAYS IS REQUIRED FOR PAVING OR OTHER WORK THE CONTRACTOR SHALL PROVIDE THE AFFECTED RESIDENTS WITH 24 HOURS NOTICE.
  3. ALL DROP OFFS GREATER THAN 2" SHALL BE MARKED WITH TYPE 2 BARRICADES WITH FLASHERS AT BOTH ENDS AND EVERY 20 LF.
  4. AT THE END OF EACH WORK DAY THE CONTRACTOR SHALL BACKFILL ALL EXCAVATIONS AND THE ENTIRE ROAD SHALL BE OPEN AND PASSABLE FOR LOCAL TRAFFIC. DURING WORK HOURS CONTRACTOR SHALL INFORM LOCAL TRAFFIC AND EMERGENCY RESPONSE VEHICLES WHICH ROUTES NEED TO BE USED FOR LOCAL PROPERTY ACCESS. THIS INFORMATION SHALL BE UPDATED AS NECESSARY.
  5. ROAD CLOSURE ON THIS STREET SHALL BE ALLOWED FOR A MAXIMUM OF 28 CALENDAR DAYS.



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.

*[Signature]*  
 CRAIG J. JOCHUM, P.E.  
 Lic. No. 23461  
 Date 3/25/22

DESIGNED BY: CJJ  
 DRAWN BY: SGJ  
 CHECKED BY: TAE



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181ST AVENUE RECONSTRUCTION PROJECT

TRAFFIC CONTROL PLAN FOR ROAD CLOSURE  
 CITIES OF EAST BETHEL AND HAM LAKE

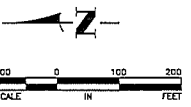
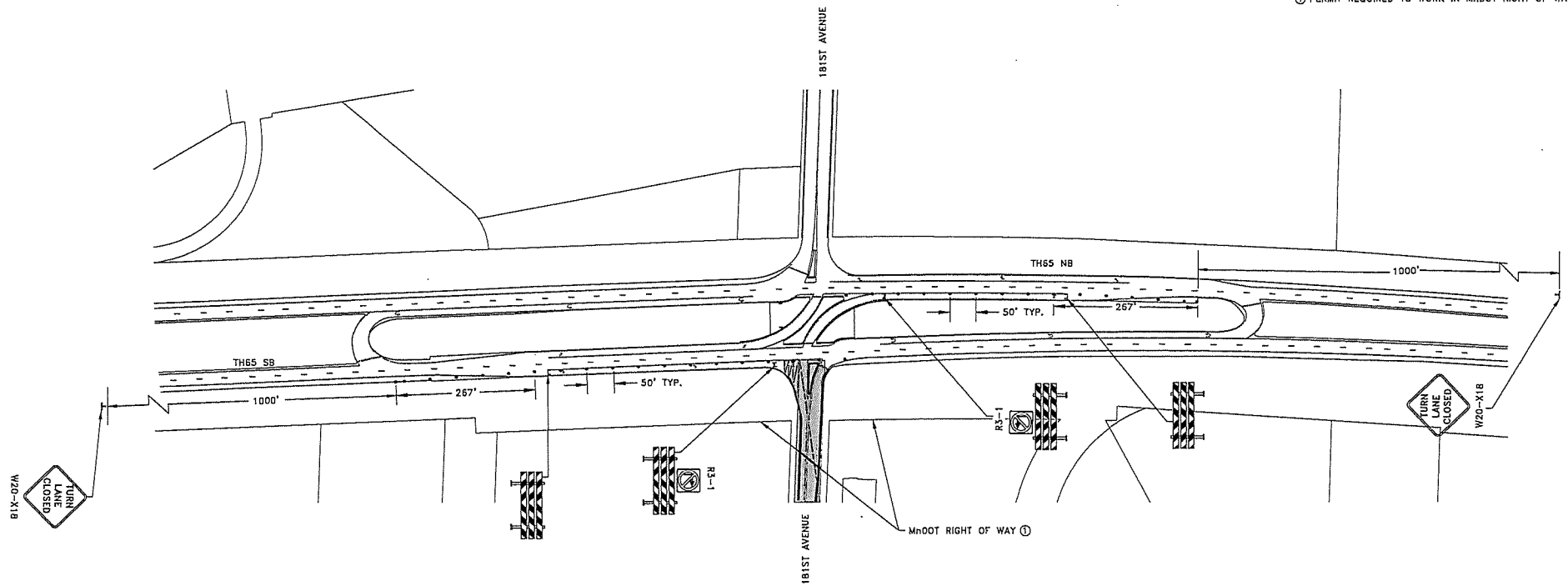
SHEET 7 OF 44 SHEETS

S.A.P. 203-106-003  
 S.A.P. 197-110-003

**LEGEND**



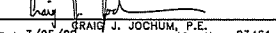
GENERAL NOTES:  
 1. CLOSURE OF THE RIGHT TURN LANE SHALL BE BETWEEN THE HOURS OF 9:00AM AND 3:00PM AND IS LIMITED TO 3 HOURS PER DAY.  
 REFERENCE NOTES:  
 ① PERMIT REQUIRED TO WORK IN MnDOT RIGHT OF WAY.



Apr 07, 2022 - 9:09pm K:\WORKSPACE\181ST AVENUE\181ST AVENUE TRAFFIC.dwg

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DATE	REVISION
4/7/22	STATS AIR REVIEW

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 Date 3/25/22 CRAIG J. JOCHUM, P.E. Lic. No. 23461

DRAWN BY:	CJJ
CHECKED BY:	SGJ
DATE:	TAE

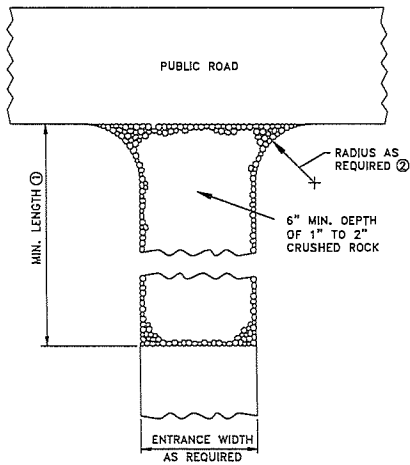


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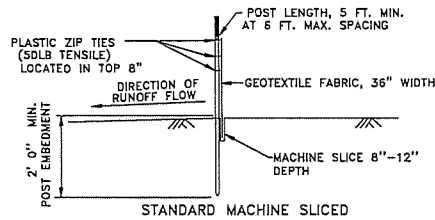
181ST AVENUE RECONSTRUCTION PROJECT

TRAFFIC CONTROL PLAN FOR TH 65 TIE IN  
 CITIES OF EAST BETHEL AND HAM LAKE

SHEET 8 OF 44 SHEETS



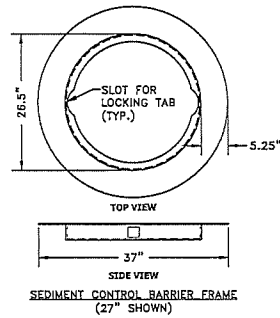
1 STABILIZED CONSTRUCTION EXIT



2 SILT FENCE DETAILS

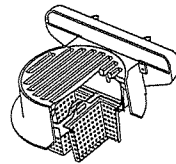
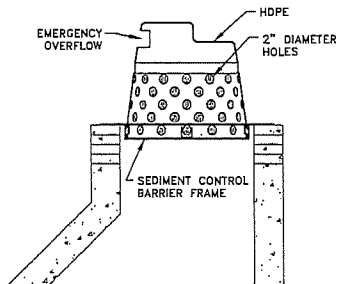


SILT FABRIC SLEEVE PER MNDOT SPECIFICATION 3886

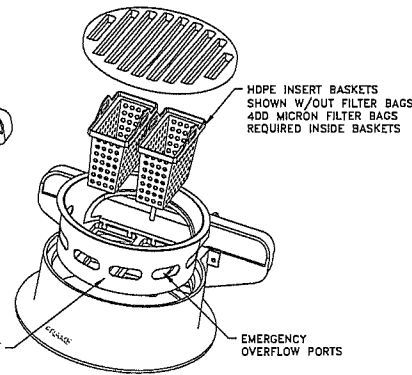


SEDIMENT CONTROL BARRIER FRAME (27" SHOWN)

3 SEDIMENT CONTROL BARRIER FOR CATCH BASINS AND MANHOLES STORM DRAIN INLET PROTECTION



27" HDPE FRAME INSERT



4 DEBRIS COLLECTION DEVICE FOR CATCH BASINS STORM DRAIN INLET PROTECTION

GENERAL EROSION CONTROL NOTES:

- PRIOR TO ANY CONSTRUCTION ACTIVITIES THE CONTRACTOR SHALL ACQUIRE THE MPCA-CONSTRUCTION STORMWATER GENERAL PERMIT. A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) HAS BEEN PREPARED COVERING CONSTRUCTION ACTIVITIES. THE SWPPP IS INCLUDED IN THE PROJECT MANUAL.
- THE CONTRACTOR SHALL INSTALL EROSION AND SEDIMENT CONTROL FACILITIES (BMP'S) PRIOR TO GRADING AND REMOVAL ACTIVITIES. BMP'S SHALL BE MAINTAINED FOR THE DURATION OF CONSTRUCTION ACTIVITIES AND POTENTIAL FOR EROSION HAS PASSED.
- THE CONTRACTOR SHALL SCHEDULE THEIR OPERATION TO MINIMIZE THE AMOUNT OF DISTURBED AREA AT ANY GIVEN TIME.
- BMP'S SHALL BE INSPECTED DAILY BY THE CONTRACTOR AND DOCUMENTED IN THE SWPPP INSPECTION LOG. WEEKLY LOGS MUST BE FORWARDED TO THE ENGINEER FOR REVIEW.
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PROPERLY DISPOSED OF WITHIN THIRTY (30) DAYS AFTER FINAL SITE STABILIZATION IS APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALL FILE NOTICE OF TERMINATION (NOT) WITH THE MPCA WHEN FINAL STABILIZATION IS APPROVED BY THE ENGINEER.
- ALL LABOR, MATERIALS, AND EQUIPMENT COSTS NECESSARY TO MANAGE EROSION AND SEDIMENT IN ACCORDANCE WITH THE MN/DOT STANDARD SPECIFICATIONS, MN/DOT EROSION CONTROL HANDBOOK, AND ALL REQUIREMENTS INCLUDED IN THE PROJECT MANUAL SHALL BE PAID PER ITEM 2575-EROSION CONTROL, UNLESS OTHERWISE INCLUDED ON THE PROJECT BID FORM.
- CONTRACTOR SHALL PROMPTLY SWEEP EXISTING STREETS WHEN ANY SEDIMENT TRACKING OCCURS.
- THE CONTRACTOR SHALL MEET ALL REQUIREMENTS OF THE GENERAL PERMIT, WHICH IS INCLUDED IN THE PROJECT MANUAL.
- PRIOR TO THE START OF ANY CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE CERTIFICATION DOCUMENTATION FOR THE EROSION CONTROL SUPERVISOR AND INSTALLERS TO THE ENGINEER.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL INSPECTIONS AND MAINTENANCE AS OUTLINED IN PART IV.E INSPECTIONS AND MAINTENANCE OF THE GENERAL PERMIT, WHICH IS INCLUDED IN THE PROJECT MANUAL.
- CONTRACTOR SHALL STABILIZE ALL EXPOSED SOIL AREAS IMMEDIATELY TO LIMIT SOIL EROSION BUT IN NO CASE COMPLETED LATER THAN 7 DAYS AFTER THE CONSTRUCTION ACTIVITIES IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. DEPENDING ON THE CONTRACTOR'S OPERATION, TEMPORARY SEEDING AND MULCHING MAY BE REQUIRED TO MEET THE REQUIREMENTS OF THE SPECIFICATIONS AND SWPPP. ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED FOR TEMPORARY SEEDING AND MULCHING SHALL BE INCIDENTAL.
- EROSION CONTROL SHALL CONFORM TO THE MN/DOT EROSION CONTROL HANDBOOK.
- WHEN SEDIMENTS DEPOSIT IN A WATER OF THE STATE, THE MATERIAL MUST BE REMOVED WITHIN 7 DAYS.
- PRIOR TO SEEDING, SOIL SHALL BE PREPARED PER MN/DOT SPEC 2574.3.A.4.
- ALL DISTURBED AREAS REQUIRE TOPSOIL, MN/DOT SEED MIXTURE 25-131, TYPE 1 FERTILIZER AND EITHER HYDRAULIC BONDED FIBER MATRIX OR CATEGORY 3 EROSION CONTROL BLANKET AS SHOWN ON THE PLANS. SEED SHALL BE PLACED BY HYDROSEEDING AND SHALL BE IN ACCORDANCE WITH MN/DOT SPEC. 2575. APPLICATION OF THE HYDRAULIC BONDED FIBER MATRIX SHALL BE COMPLETED SEPARATELY FROM THE HYDROSEEDING. PLACE HYDRAULIC BONDED FIBER MATRIX PER MN/DOT SPEC 2575.3.E.2.d. RATES OF SEED, FERTILIZER AND HYDRAULIC STABILIZED FIBER MATRIX PLACEMENT SHALL BE IN ACCORDANCE WITH THE BASIS OF ESTIMATED QUANTITIES SCHEDULE SHOWN ON SHEET 2.

REFERENCE NOTES:

- MINIMUM LENGTH SHALL BE THE GREATER OF 50 FEET OR A LENGTH SUFFICIENT TO ALLOW A MINIMUM OF 5 TIRE ROTATIONS ON THE PROVIDED PAD. MINIMUM LENGTH SHALL BE CALCULATED USING THE LARGEST TIRE WHICH WILL BE USED IN TYPICAL OPERATIONS.
- PROVIDE RADIUS OR WIDEN PAD SUFFICIENTLY TO PREVENT VEHICLE TIRES FROM TRACKING OFF OF PAD WHEN LEAVING SITE.
- MAINTENANCE OF CONSTRUCTION EXITS SHALL OCCUR WHEN THE EFFECTIVENESS OF SEDIMENT REMOVAL HAS BEEN REDUCED. MAINTENANCE SHALL CONSIST OF REMOVING SEDIMENT AND CLEANING THE MATERIALS OR PLACING ADDITIONAL MATERIAL OVER SEDIMENT FILLED MATERIAL TO RESTORE EFFECTIVENESS.

REV. 02.2022 - B.A.20m  
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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.

*Craig J. Jochum*  
CRAIG J. JOCHUM, P.E.  
Date 3/25/22 Lic. No. 23481

DRAWN BY: C.L.J.  
 CHECKED BY: S.G.J.  
 DESIGNED BY: T.A.E.

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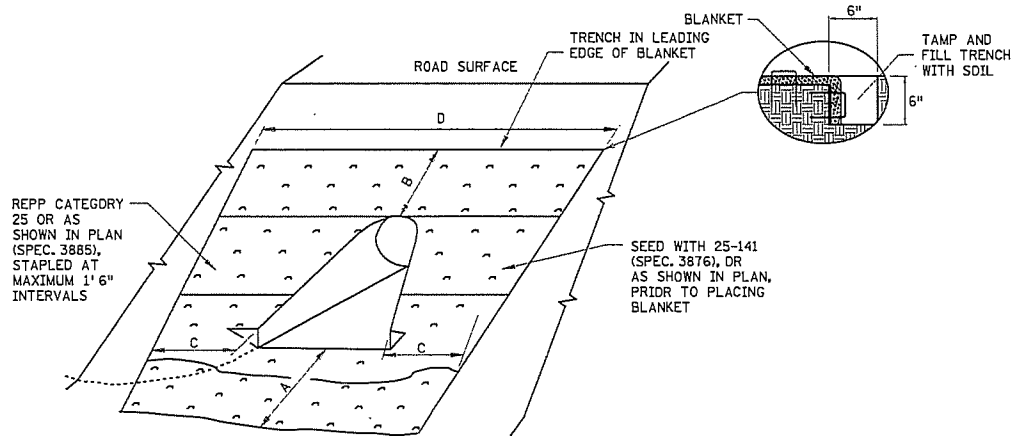
181ST AVENUE RECONSTRUCTION PROJECT

EROSION CONTROL DETAILS AND NOTES  
 CITIES OF EAST BETHEL AND HAM LAKE

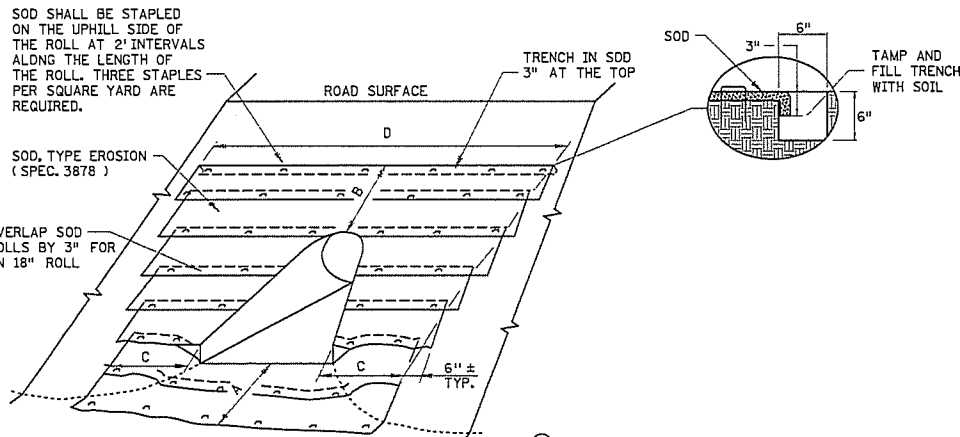
SHEET 9 OF 44  
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S.A.P. 197-11D-003

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 PLOTTED/REVISED: 24-JAN-2020



ROLLED EROSION PREVENTION PRODUCT (BLANKET) & SEED DETAIL



SODDING DETAIL


- ① ADDITIONAL QUANTITIES MAY BE SHOWN IN THE PLAN OR REQUIRED BY THE ENGINEER.
- ② FOR ARCH PIPE USE CLOSEST CIRCULAR PIPE DIAMETER AND APRON SLOPE. DIAMETERS LARGER THAN 72" REQUIRE SPECIAL DESIGNS.

CULVERT DIAMETER ②	CULVERT INLET APRON ①						SOD OR REPP (SQ. YDS.)			
	CIRCULAR AND ARCH PIPE METAL APRON (PLATE 3123, PLATE 3122)	CIRCULAR AND ARCH PIPE CONCRETE APRON (PLATE 3100, PLATE 3110)	CIRCULAR AND ARCH PIPE METAL SAFETY APRON 1:4 SLOPE (PLATE 3148)	CIRCULAR AND ARCH PIPE METAL SAFETY APRON 1:6 SLOPE (PLATE 3148)	CIRCULAR CORRUGATED METAL PIPE SAFETY APRON 1:6 SLOPE (PLATE 3128)	CIRCULAR CORRUGATED METAL PIPE SAFETY APRON 1:4 SLOPE (PLATE 3128)	"A"	"B"	"C"	"D"
15"	9	9	8	8	N/A	N/A	3'	1.5'	3'	13'
18"	13	12	12	14	16	N/A	3'	3'	3'	16'
21"	14	14	14	16	18	14	3'	3'	3'	17'
24"	16	15	16	19	21	17	3'	3'	3'	18'
27"	N/A	20	N/A	N/A	N/A	N/A	3'	4.5'	3'	20'
30"	23	22	25	30	32	N/A	3'	4.5'	3'	22'
36"	34	34	39	48	51	37	4.5'	4.5'	4.5'	27'
42"	43	40	51	64	N/A	N/A	4.5'	6'	4.5'	30'
48"	54	50	66	82	N/A	N/A	4.5'	7.5'	4.5'	34'
54"	65	58	81	102	N/A	N/A	4.5'	9'	4.5'	37'
60"	69	59	91	115	N/A	N/A	4.5'	9'	4.5'	39'
66"	69	63	N/A	N/A	N/A	N/A	4.5'	9'	4.5'	39'
72"	78	72	99	122	N/A	N/A	4.5'	10.5'	4.5'	41'

CULVERT DIAMETER ②	CULVERT OUTLET APRON ①						SOD OR REPP (SQ. YDS.)			
	CIRCULAR AND ARCH PIPE METAL APRON (PLATE 3123, PLATE 3122)	CIRCULAR AND ARCH PIPE CONCRETE APRON (PLATE 3100, PLATE 3110)	CIRCULAR AND ARCH PIPE METAL SAFETY APRON 1:4 SLOPE (PLATE 3148)	CIRCULAR AND ARCH PIPE METAL SAFETY APRON 1:6 SLOPE (PLATE 3148)	CIRCULAR CORRUGATED METAL PIPE SAFETY APRON 1:6 SLOPE (PLATE 3128)	CIRCULAR CORRUGATED METAL PIPE SAFETY APRON 1:4 SLOPE (PLATE 3128)	"A"	"B"	"C"	"D"
15"	10	10	9	10	N/A	N/A	4.5'	1.5'	3'	13'
18"	13	13	12	14	15	N/A	6'	1.5'	3'	14'
21"	16	14	16	18	19	15	6'	1.5'	3'	15'
24"	18	18	18	21	22	18	7.5'	1.5'	3'	16'
27"	N/A	19	N/A	N/A	N/A	N/A	7.5'	1.5'	3'	17'
30"	23	23	24	28	29	N/A	9'	1.5'	3'	18'
36"	36	35	38	47	48	37	10.5'	1.5'	4.5'	23'
42"	43	40	47	58	N/A	N/A	12'	1.5'	4.5'	25'
48"	50	46	57	70	N/A	N/A	13.5'	1.5'	4.5'	27'
54"	57	50	67	84	N/A	N/A	15'	1.5'	4.5'	29'
60"	74	63	90	113	N/A	N/A	16.5'	1.5'	6'	33'
66"	75	67	N/A	N/A	N/A	N/A	16.5'	1.5'	6'	33'
72"	77	70	92	114	N/A	N/A	16.5'	1.5'	6'	34'

NOTES:

- REPP = ROLLED EROSION PREVENTION PRODUCT.
- AREA SHOWN IN SQUARE YARDS IS FOR ONE CULVERT END.
- QUANTITIES ARE CALCULATED TO INCLUDE SOD REQUIRED TO PROVIDE A 3" OVERLAP ON ALL 18" WIDE ROLLS. THIS ALLOWS FOR SHRINKAGE OF THE SOD.
- FOR PIPE ARCHES USE EQUIVALENT PIPE DIAMETER TO APPROXIMATE AREA.
- FOR CORRUGATED POLYETHYLENE PIPE METAL APRON (PLATE 3129), USE THE METAL APRON COLUMN (PLATE 3123).
- AREAS AND DIMENSIONS ARE APPROXIMATE AND ARE BASED ON APRON SIDE SLOPES OF NO STEEPER THAN 1:2, UNLESS INDICATED AS FOR SAFETY APRONS.
- CARE SHOULD BE TAKEN IN SELECTING SOD TO STABILIZE THE APRON. RIP-RAP SHOULD BE USED FOR FLOW VELOCITIES GREATER THAN 6 FPS.

REVISION:  
 APPROVED: JANUARY 8, 2020  
  
 MARK KAMBORST  
 CHIEF ENVIRONMENTAL OFFICER

S.A.P. 203-106-003  
 S.A.P. 197-110-003



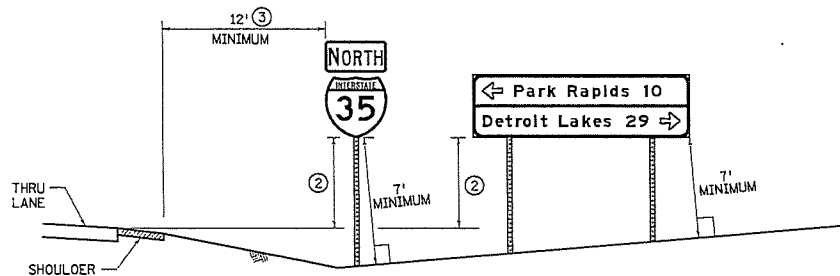
STANDARD PLAN 5-297.404 2 OF 3

  
 THOMAS F. BIRCH  
 STATE DESIGN ENGINEER

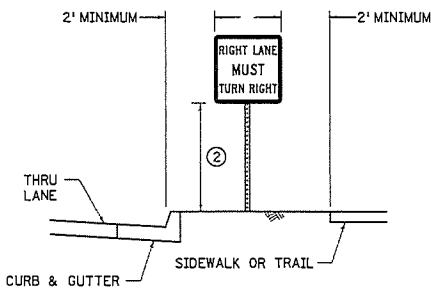
APPROVED: 1-8-2020  
 REVISED:

PERMANENT EROSION CONTROL  
 TURF ESTABLISHMENT DETAIL AT CULVERT ENDS

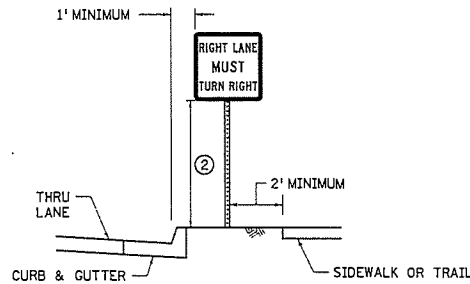
STATE PROJ. NO. N/A (T.H.) SHEET NO. 10 OF 44 SHEETS



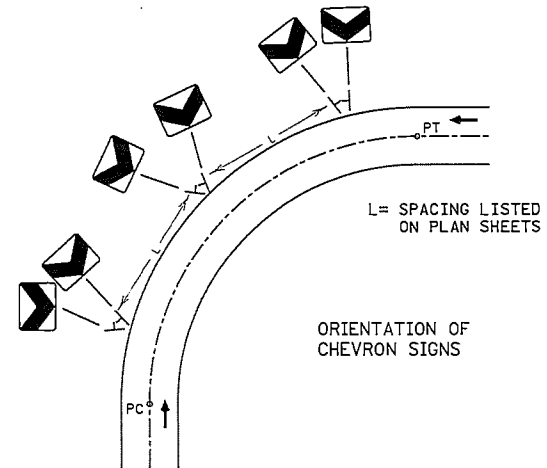
RURAL LOCATIONS



URBAN LOCATIONS



NARROW URBAN LOCATIONS ①



ORIENTATION OF CHEVRON SIGNS

NOTES:

URBAN LOCATIONS ARE PAVEMENT SECTIONS WITH CURB AND GUTTER.

RURAL LOCATIONS ARE PAVEMENT SECTIONS WITHOUT CURB AND GUTTER.

SIGNS SHALL BE PLACED AND ORIENTED APPROXIMATELY AS SHOWN IN THE PLAN, AT RIGHT ANGLES TO THE DIRECTION OF, AND FACING, THE TRAFFIC THEY ARE INTENDED TO SERVE, UNLESS OTHERWISE SPECIFIED. TO AVOID SPECULAR GLARE, TURN SIGNS APPROXIMATELY THREE DEGREES AWAY FROM APPROACHING TRAFFIC.

IF A SIGN NEEDS TO BE REPOSITIONED FROM THE PROPOSED PLAN LOCATION IN ORDER TO AVOID CONFLICTS WITH UTILITIES OR OBSTACLES, CONTACT THE PROJECT ENGINEER.

SIGN FACES SHALL BE MOUNTED PLUMB.

LATERAL CLEARANCES GIVEN APPLY TO RIGHT AND/OR LEFT SIDE INSTALLATION.

SIGNS SHALL NOT BE ERECTED OR CONSTRUCTED SO AS TO CAUSE ANY PORTION OF THE SIGN TO BE WITHIN 8.5' OF THE CENTERLINE OF A RAILROAD TRACK.

SIGNS SHALL BE PLACED SUCH THAT OBSTACLES DO NOT BLOCK THEM FROM BEING VIEWED BY THE APPROACHING TRAFFIC.

SIGNS SHALL BE PLACED A MINIMUM OF 10' FROM THE NEAREST OBSTACLE. OBSTACLES MAY INCLUDE, BUT ARE NOT LIMITED TO, LIGHT POLES, TREES, SIGNS, AND BUILDINGS. SIGNS MAY BE PLACED CLOSER TO SIGNS IN TIGHT AREAS, BUT NO MORE THAN TWO POSTS IN A 7' DIAMETER CIRCLE.

- ① TO BE USED ONLY WHEN BOULEVARD IS TOO NARROW TO OBTAIN ADEQUATE URBAN LOCATION SIGN OFFSETS.
- ② ALL SIGN MOUNTING HEIGHTS ARE MEASURED VERTICALLY FROM THE BOTTOM OF THE SIGN TO THE TOP OF THE CURB, OR IN ABSENCE OF CURB, TO THE NEAR EDGE OF THE THRU-LANE PAVEMENT. SEE SIGN TABULATIONS.
- ③ MINIMUM MAY BE REDUCED TO 6' FROM SHOULDER AND 12' FROM THRU LANE IF SITE CONDITIONS PROHIBIT A 12' OFFSET FROM SHOULDER. IF ADEQUATE RIGHT OF WAY IS NOT AVAILABLE TO PLACE SIGN AT REDUCED MINIMUM, SIGN SHALL BE PLACED SUCH THAT PANEL EDGE IS 1' FROM RIGHT OF WAY AND NEAR PANEL EDGE IS AT LEAST 2' FROM EDGE OF SHOULDER.

REVISION:  
 APPROVED: OCTOBER 16, 2019  
 \_\_\_\_\_  
 URBAN ENGINEER  
 STATE TRAFFIC ENGINEER

S.A.P. 203-106-003  
 S.A.P. 197-110-003



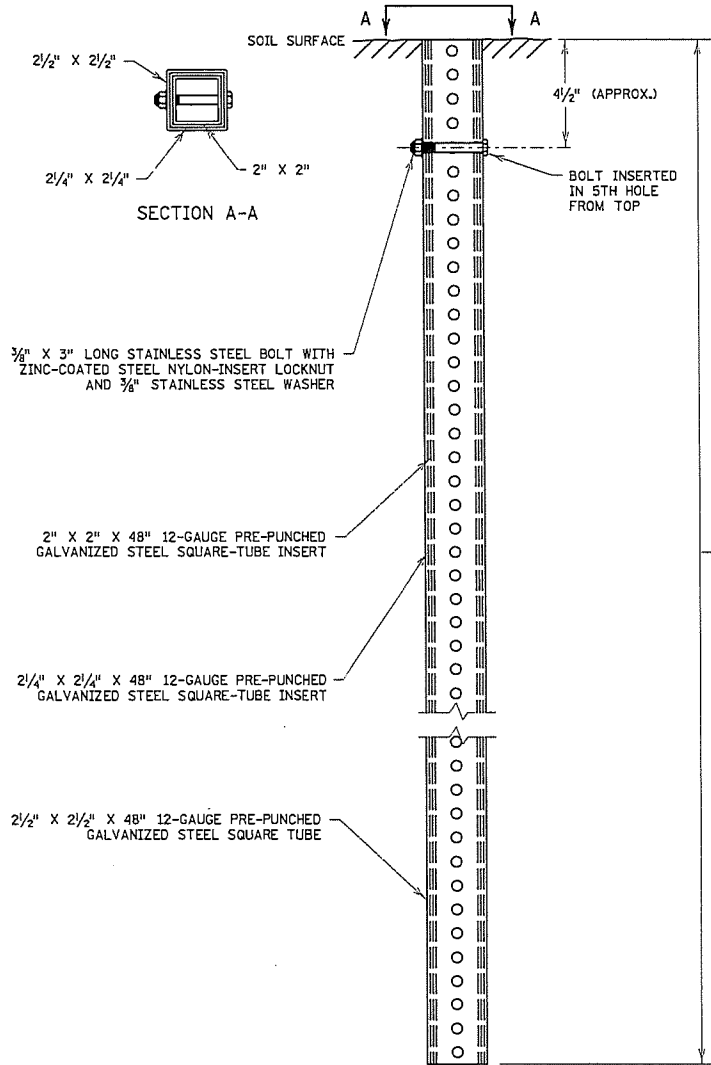
STANDARD PLAN 5-297.701 1 OF 1  
 Peter A. Harff  
 DEPARTMENT OF TRANSPORTATION PETER A. HARFF STATE DESIGN ENGINEER  
 APPROVED: 10-16-2019  
 REVISOR:  
 STATE PROJ. NO. N/A

STANDARD SIGN PLACEMENT  
 TYPE C & D

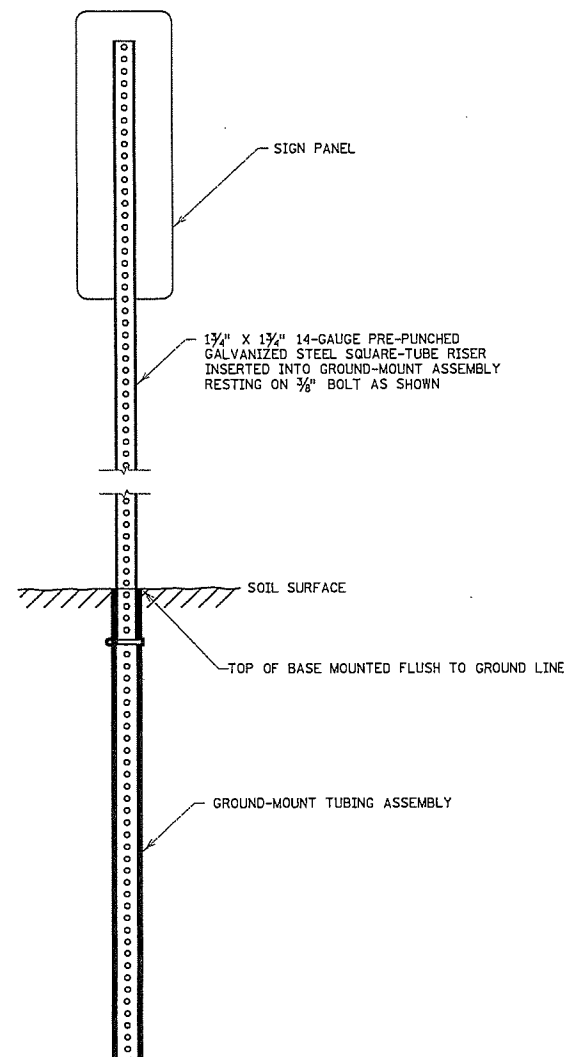
SHEET NO. 11 OF 44 SHEETS



Apr. 02, 2022 - 8:41pm  
K:\Municipal\0358\ENGINEERING\SS\_SQUARE DETAILS.dwg



GROUND-MOUNT TUBING ASSEMBLY



REVISION:
APPROVED: DECEMBER 9, 2019
<i>[Signature]</i> THOMAS STUBBICH STATE TRAFFIC ENGINEER

S.A.P. 203-106-003  
S.A.P. 197-110-003



STANDARD PLAN 5-297.721

1 OF 1

*[Signature]*  
THOMAS STUBBICH  
STATE DESIGN ENGINEER

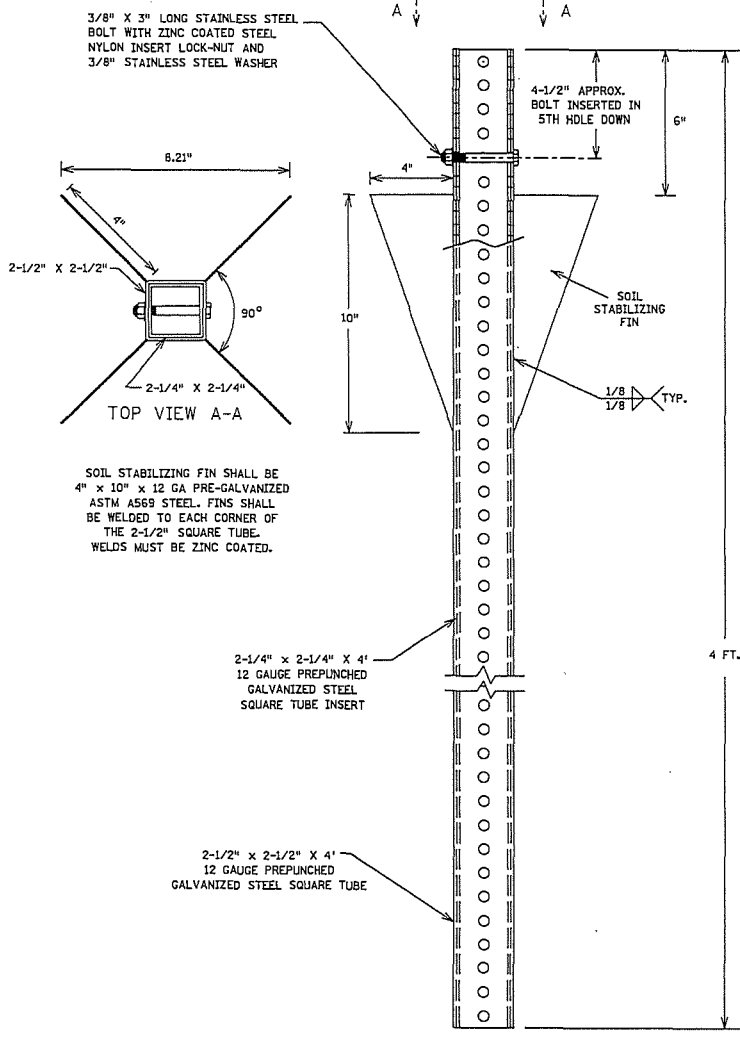
APPROVED: 12-9-2019

REVISED:

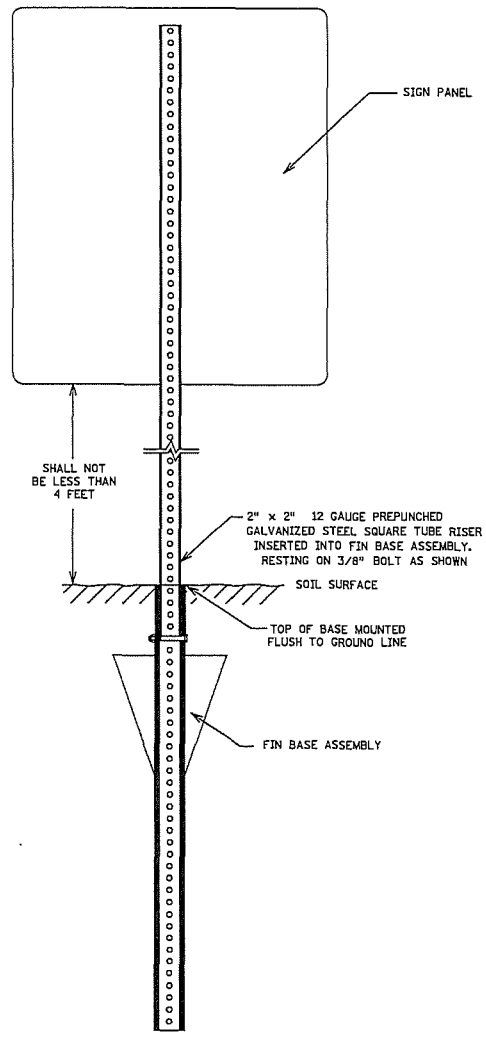
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SQUARE-TUBE THREE-WALL SIGN BASE

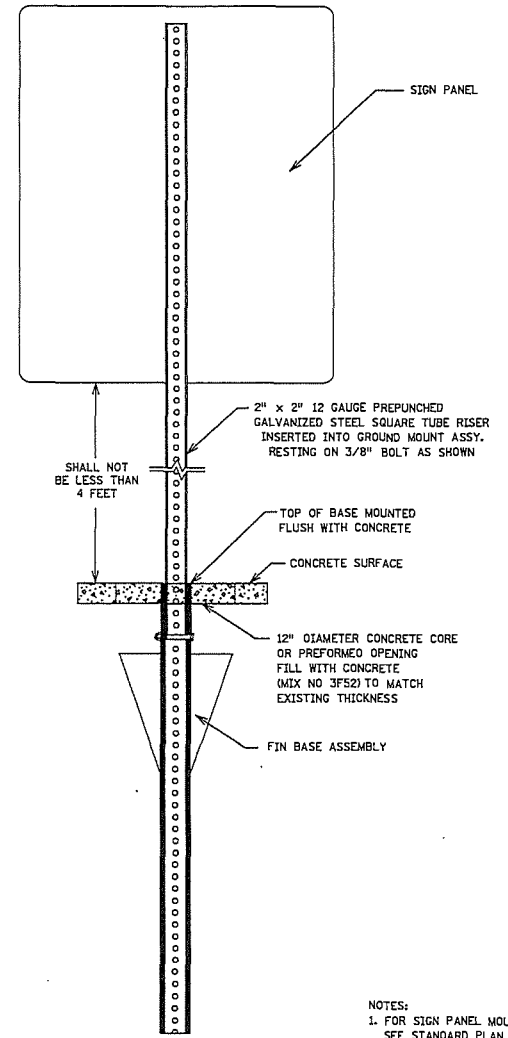
SHEET NO. 12 OF 44 SHEETS



FIN BASE ASSEMBLY



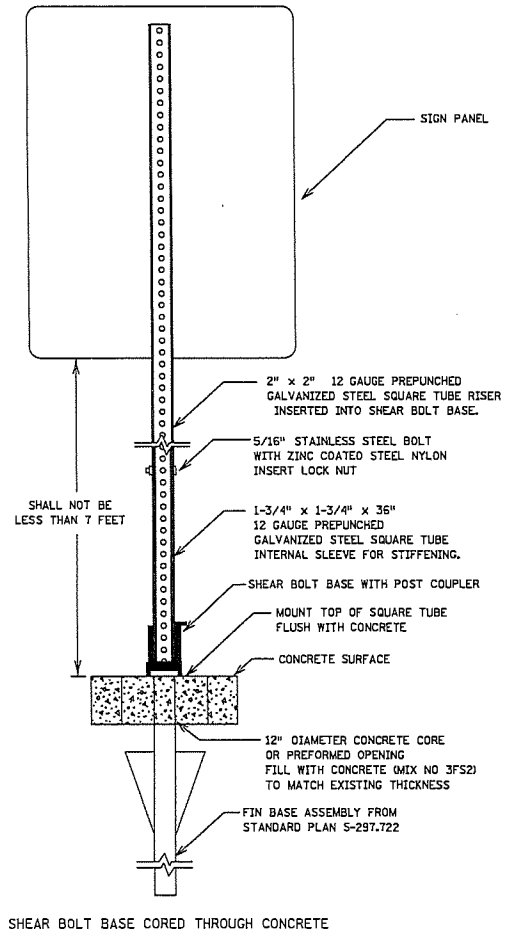
FIN BASE IN SOIL



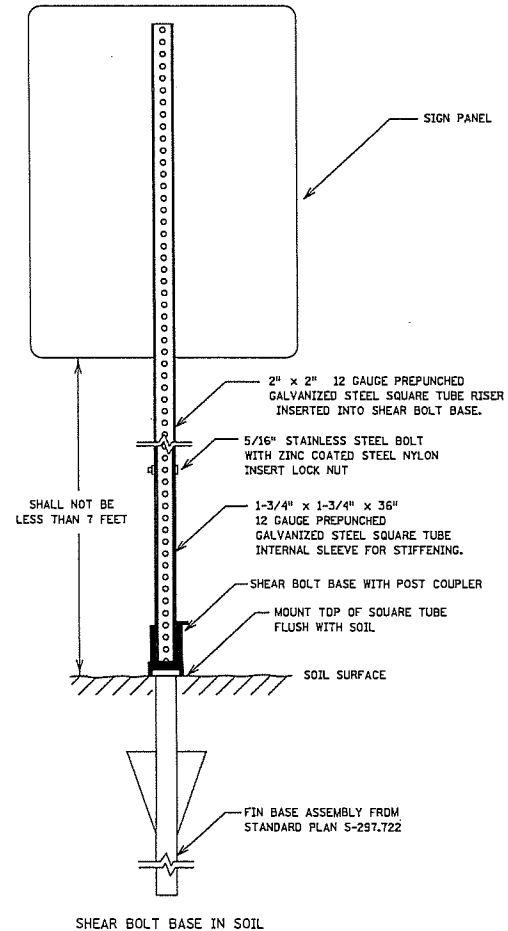
FIN BASE IN CONCRETE

- NOTES:
1. FOR SIGN PANEL MOUNTING DETAILS SEE STANDARD PLAN 5-297.720.
  2. SQUARE TUBE SIGN POSTS PER M-207 SPEC. 3402.

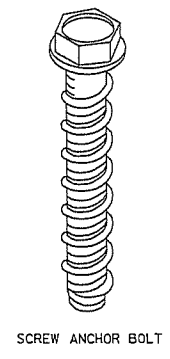
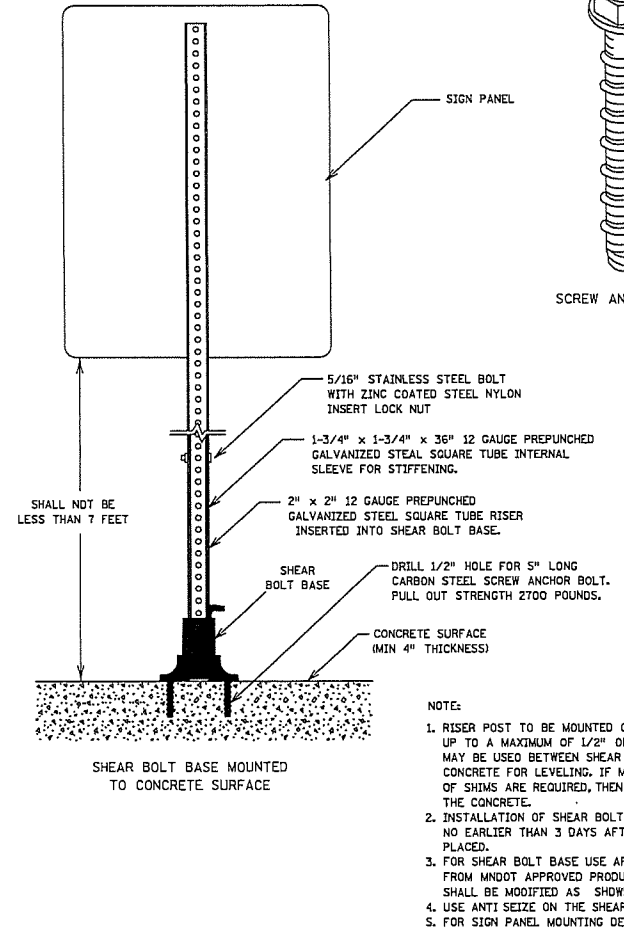
**SQUARE TUBE FIN BASE**



SHEAR BOLT BASE CORED THROUGH CONCRETE

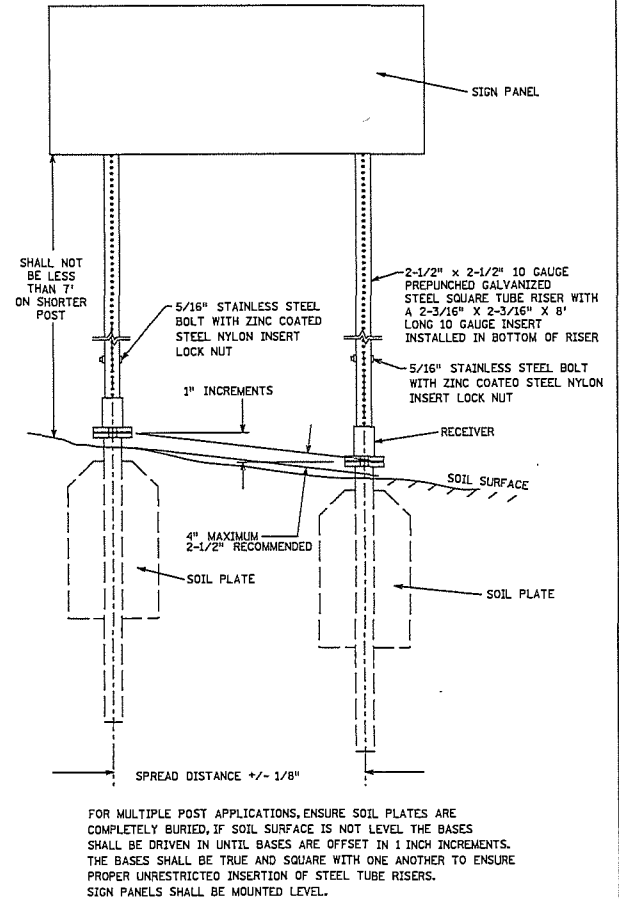
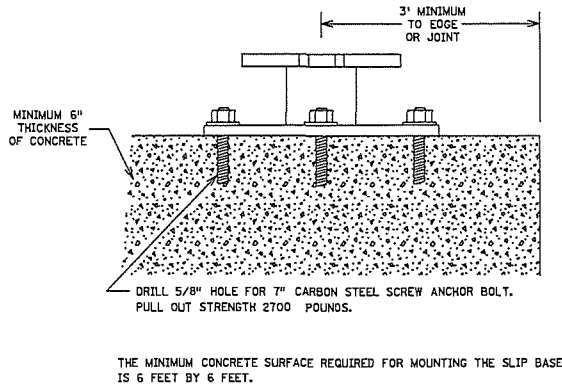
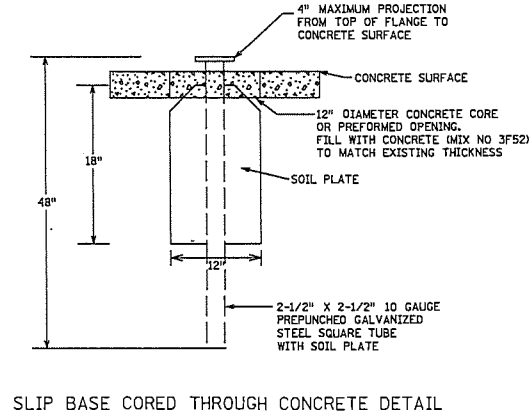
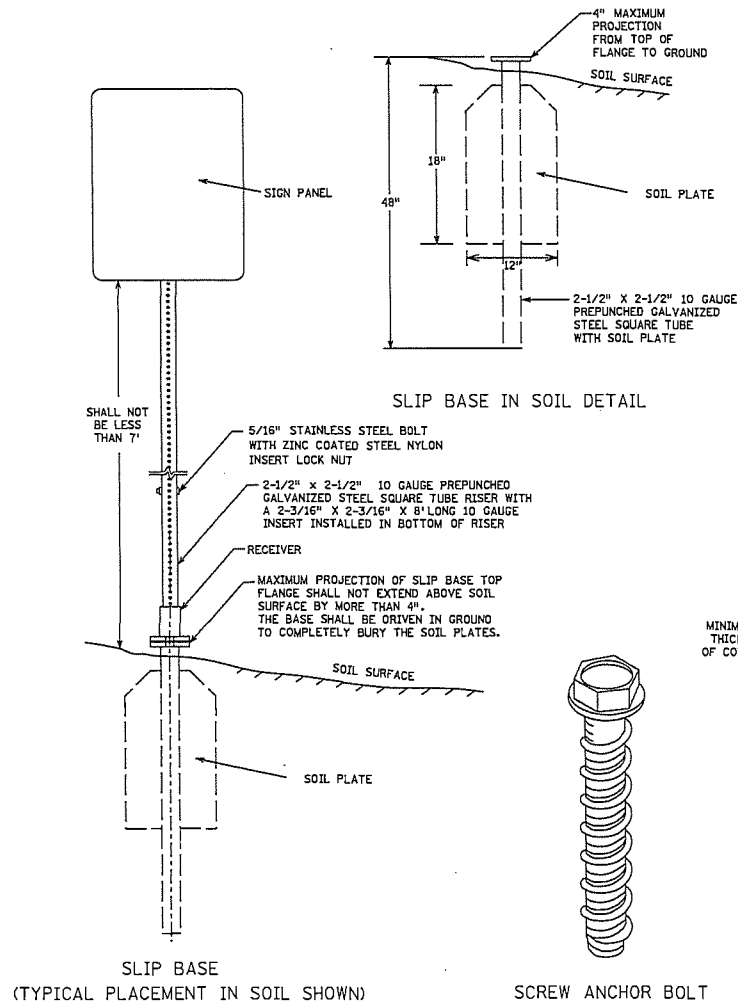


SHEAR BOLT BASE IN SOIL



- NOTE:
1. RISER POST TO BE MOUNTED CLOSE TO PLUMB. UP TO A MAXIMUM OF 1/2" OF SHIM WASHERS MAY BE USED BETWEEN SHEAR BOLT BASE AND CONCRETE FOR LEVELING. IF MORE THAN 1/2" OF SHIMS ARE REQUIRED, THEN CORE THROUGH THE CONCRETE.
  2. INSTALLATION OF SHEAR BOLT BASE SHALL BE NO EARLIER THAN 3 DAYS AFTER CONCRETE IS PLACED.
  3. FOR SHEAR BOLT BASE USE APPROVED PRODUCT FROM MNDOT APPROVED PRODUCTS LIST, PRODUCT SHALL BE MODIFIED AS SHOWN.
  4. USE ANTI SEIZE ON THE SHEAR BOLT CONNECTIONS.
  5. FOR SIGN PANEL MOUNTING DETAILS SEE STANDARD PLAN 5-297.720.
  6. SQUARE TUBE SIGN POSTS PER MNDOT SPEC. 3402.

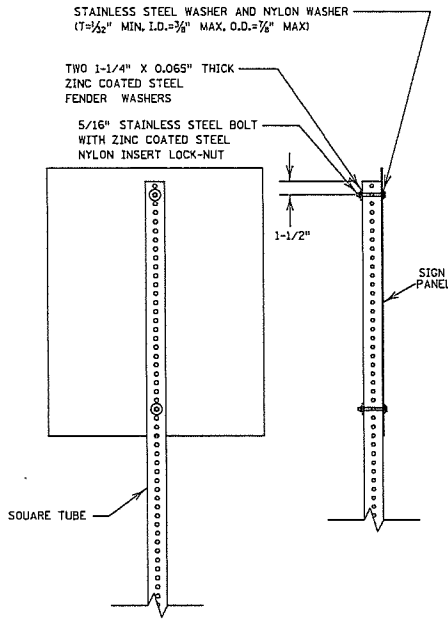
**SQUARE TUBE SHEAR BOLT BASE**



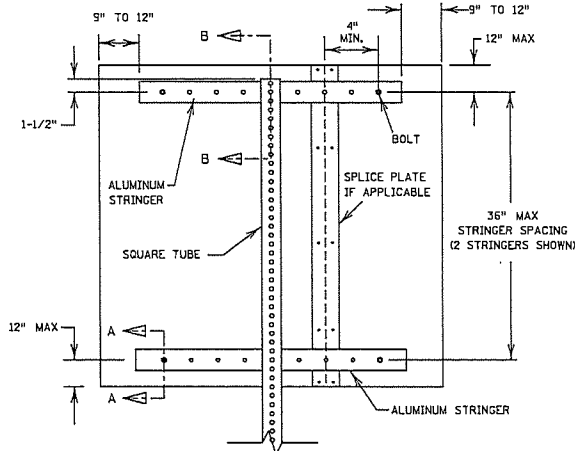
**NOTES:**

1. FOR SLIP BASE USE APPROVED PRODUCT FROM MNDOT APPROVED PRODUCTS LIST. PRODUCTS SHALL BE MODIFIED AS SHOWN.
2. RISER POST TO BE MOUNTED CLOSE TO PLUMB. UP TO A MAXIMUM OF 1/2" OF SHIM WASHERS MAY BE USED BETWEEN SLIP BASE AND CONCRETE FOR LEVELING.
3. 1/16" THICK LEVELING SHIMS MAY BE USED TO PLUMB TOP HALF. SHIMS NEED TO BE PLACED UNDER TEFLON COATED SLIP WASHER MAXIMUM OF 2 SHIMS PER NOTCH POINT.
4. FOR SIGN PANEL MOUNTING DETAILS SEE STANOARD PLAN 5-297.720.
5. SQUARE TUBE SIGN POST PER MNDOT SPEC. 3402.

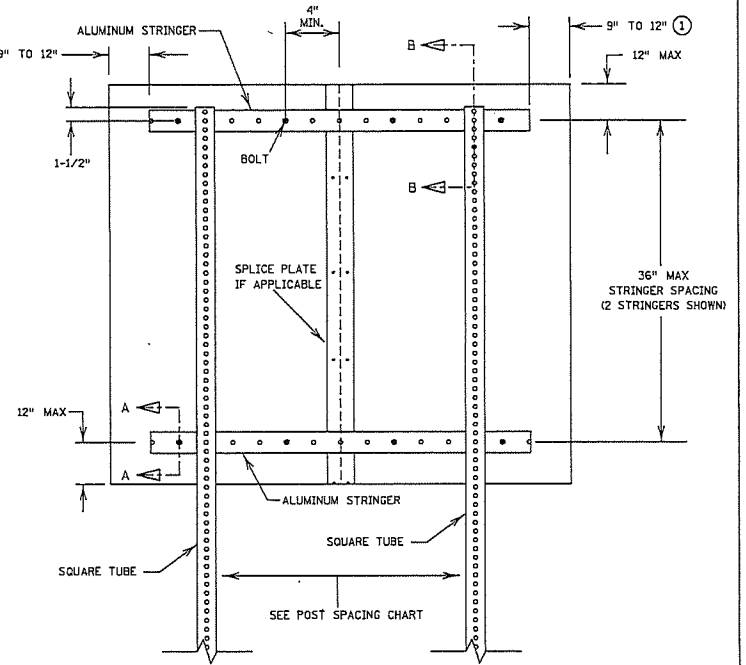
**SQUARE TUBE SLIP BASE**



FOR SIGN PANELS UP TO 30" WIDE

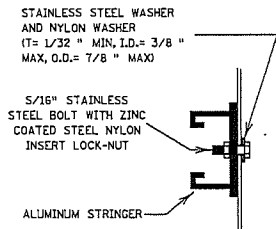


FOR SIGN PANELS 36" WIDE  
 OR GREATER ON ONE POST

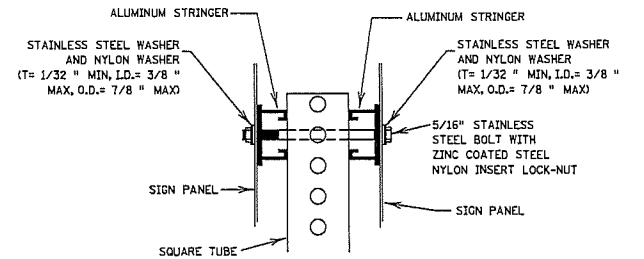
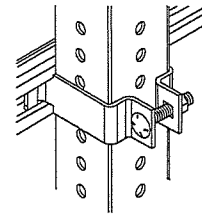
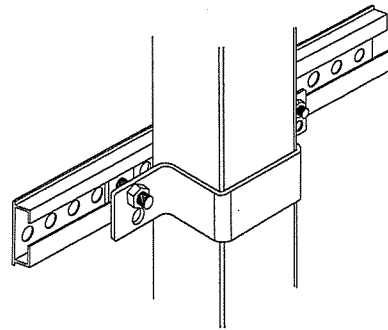
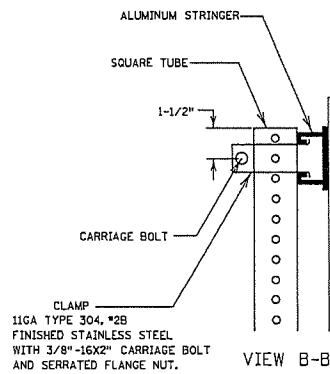


FOR SIGN PANELS ON TWO OR MORE POSTS

① IF POST SPACING REQUIRES PLACEMENT OF A POST WITHIN THIS AREA, EXTEND STRINGERS AS NEEDED TO ACCOMMODATE THE STRINGER TO POST CLAMP.



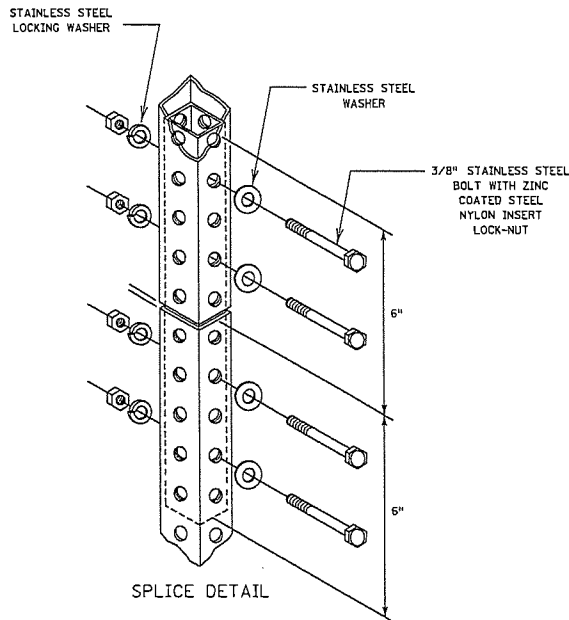
VIEW A-A



BACK TO BACK  
 SIGN MOUNTING WITH STRINGERS

- NOTES:
1. BOLT SIGN PANELS TO STRINGERS OR RISER POSTS AT NO GREATER THAN 24 INCH SPACING. SEE THE MNDOT STANDARD SIGNS AND MARKINGS MANUAL FOR MOUNTING HOLES (PUNCH CODES) INFORMATION.
  2. STRINGERS SHALL BE CENTERED ON SIGN PANEL.

SQUARE TUBE  
 SIGN MOUNTING DETAILS



SPLICE DETAIL

NO MORE THAN ONE SPLICE PER POST.

WHEN USED MUST BE PLACED AT LEAST 8 FEET ABOVE GROUND. THE PREFERRED PLACEMENT LOCATION IS BEHIND THE SIGN PANEL.

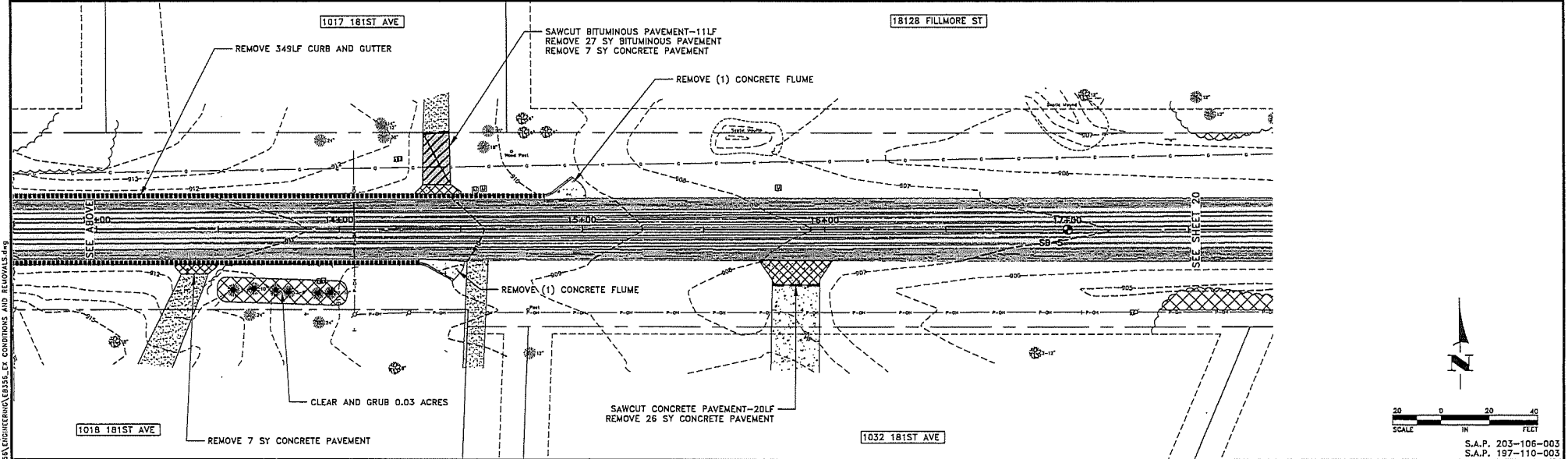
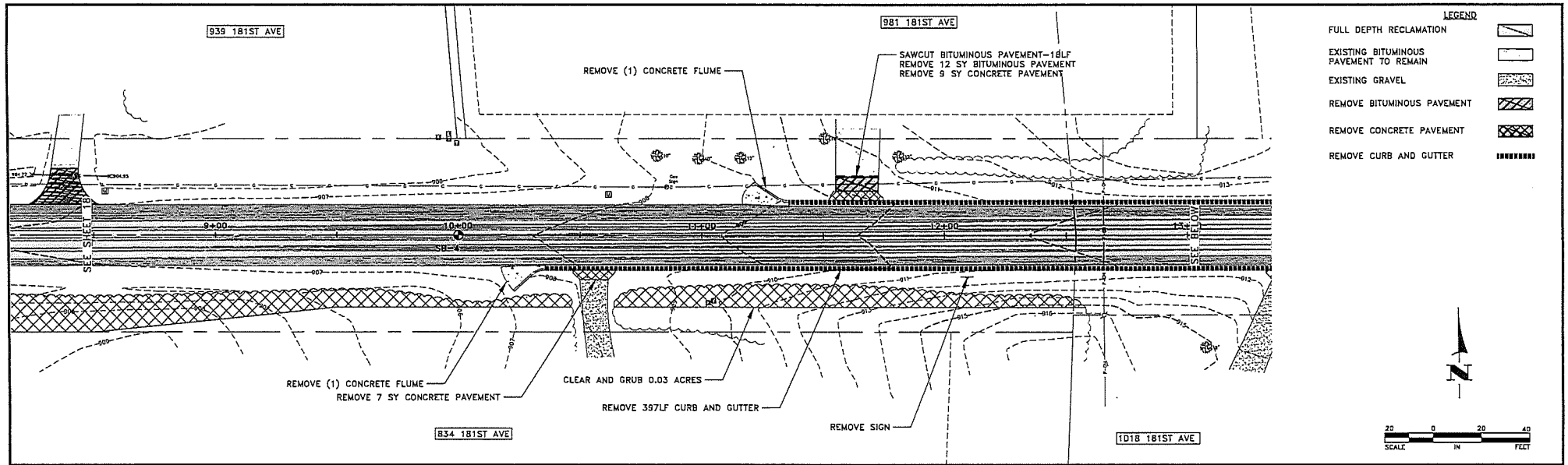
INTERIOR POST STUD SHALL BE ONE SIZE SMALLER FOR A TIGHT FIT. IF RISER POST IS 2-1/2", INTERIOR POST IS 2-3/16". IF RISER POST IS 2", INTERIOR POST IS 1-3/4".

PANEL WIDTH (IN)	SQUARE TUBE POST SPACING							
	2 POSTS (IN)	3 POSTS (IN)	4 POSTS (IN)	5 POSTS (IN)	6 POSTS (IN)	7 POSTS (IN)	8 POSTS (IN)	
24	12							
30	12							
36	12							
42	18							
48	24							
54	30							
60	36							
66	36							
72	42							
78	42							
84	48							
90	48	42						
96	48	42						
102	54	42						
108	54	42						
114	60	42						
120	60	48						
126	66	48						
132	66	48	42					
138	72	48	42					
144	72	48	42					
150	78	54	42					
156	78	54	42					
162	84	54	42					
168	84	60	48					
174	90	60	48	42				
180	90	60	48	42				
186	96	66	48	42				
192	96	66	48	42				
198	102	66	54	42				
204	102	72	54	42				
210	108	72	54	42				
216	108	72	54	48	42			
222	114	78	60	48	42			
228	114	78	60	48	42			
234	120	78	60	48	42			
240	120	84	60	48	42			
246	84	66	54	42				
252	84	66	54	42				
258	90	66	54	42	42			
264	90	66	54	48	42			
270	90	72	54	48	42			
276	96	72	60	48	42			
282	96	72	60	48	42			
288	96	72	60	48	42			
294	102	78	60	54	42			
300	102	78	60	54	42	42		
306	102	78	66	54	42	42		
312	108	78	66	54	48	42		
318	108	84	66	54	48	42		
324	108	84	66	54	48	42		
330	114	84	66	60	48	42		
336	114	84	72	60	48	42		

DISTANCES ARE CENTER-TO-CENTER OF POSTS







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.

GRAIF J. JOCHUM, P.E.  
Lic. No. 23461  
Date 3/25/22

DESIGNED BY: C.L.J.  
CHECKED BY: SGJ  
DRAWN BY: TAE

**Hakanson Anderson**  
Civil Engineers and Land Surveyors  
3601 Thurston Ave., Anoka, Minnesota 55303  
763-427-5860 FAX 763-427-0520  
www.hakanson-anderson.com

181ST AVENUE RECONSTRUCTION PROJECT

EXISTING CONDITIONS AND REMOVALS PLANS

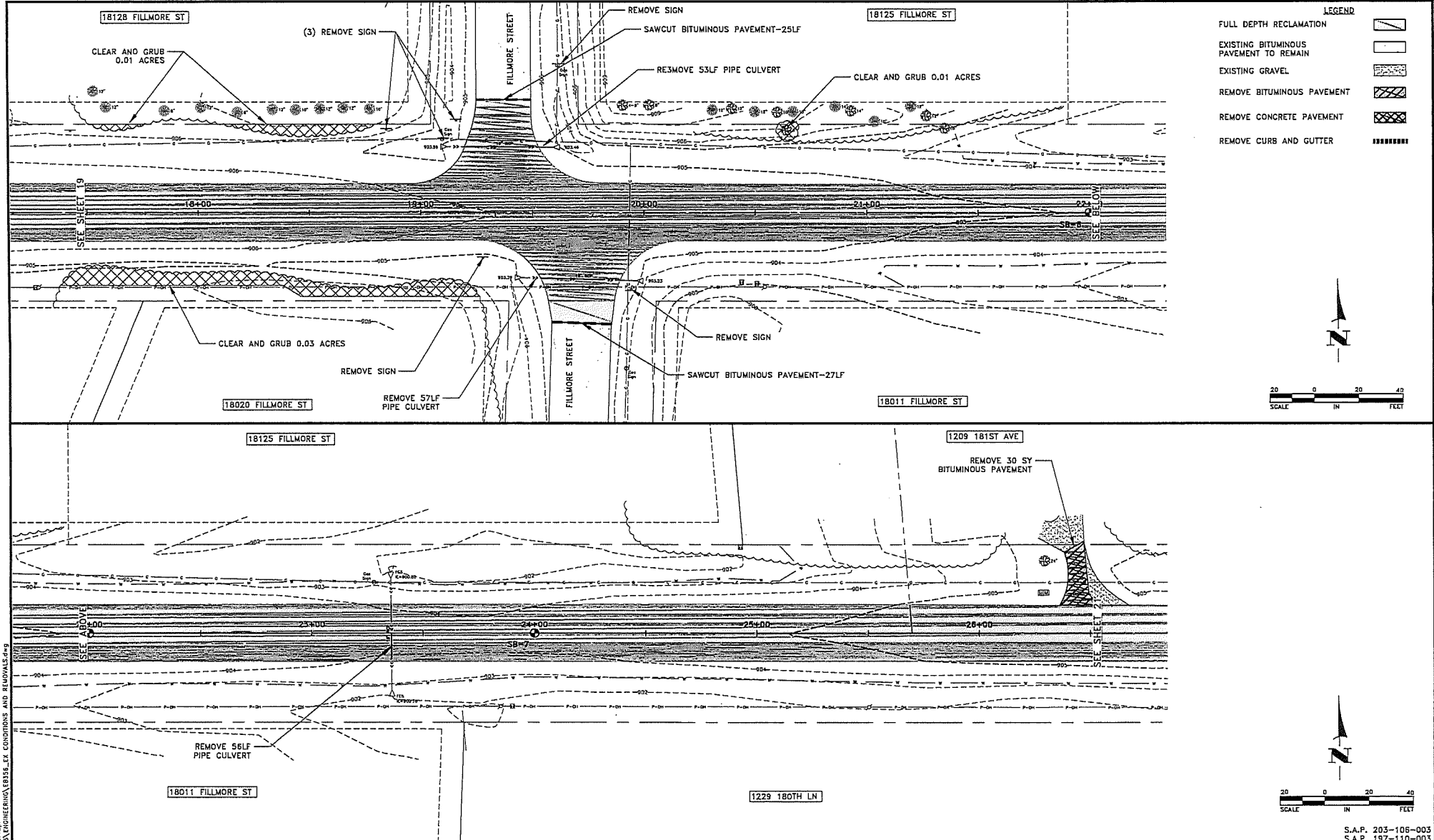
181ST AVENUE NE  
CITIES OF EAST BETHEL AND HAM LAKE

S.A.P. 203-106-003  
S.A.P. 197-110-003

SHEET 19 OF 44 SHEETS

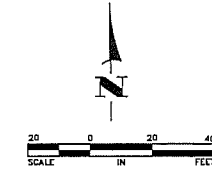
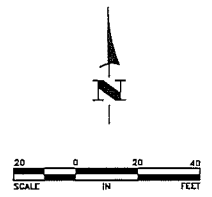
EB356

Apr 03, 2022 - 8:45am  
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**LEGEND**

FULL DEPTH RECLAMATION	
EXISTING BITUMINOUS PAVEMENT TO REMAIN	
EXISTING GRAVEL	
REMOVE BITUMINOUS PAVEMENT	
REMOVE CONCRETE PAVEMENT	
REMOVE CURB AND GUTTER	



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.

GRAIG J. JOCHUM, P.E.  
Lic. No. 23461  
Date 3/25/22

DESIGNED BY: CJJ  
CHECKED BY: SGJ  
DATE: TAE

**Hakanson Anderson**  
Civil Engineers and Land Surveyors  
3601 Thurston Ave., Anoka, Minnesota 55303  
763-427-5860 FAX 763-427-0520  
www.hakanson-anderson.com

181ST AVENUE RECONSTRUCTION PROJECT

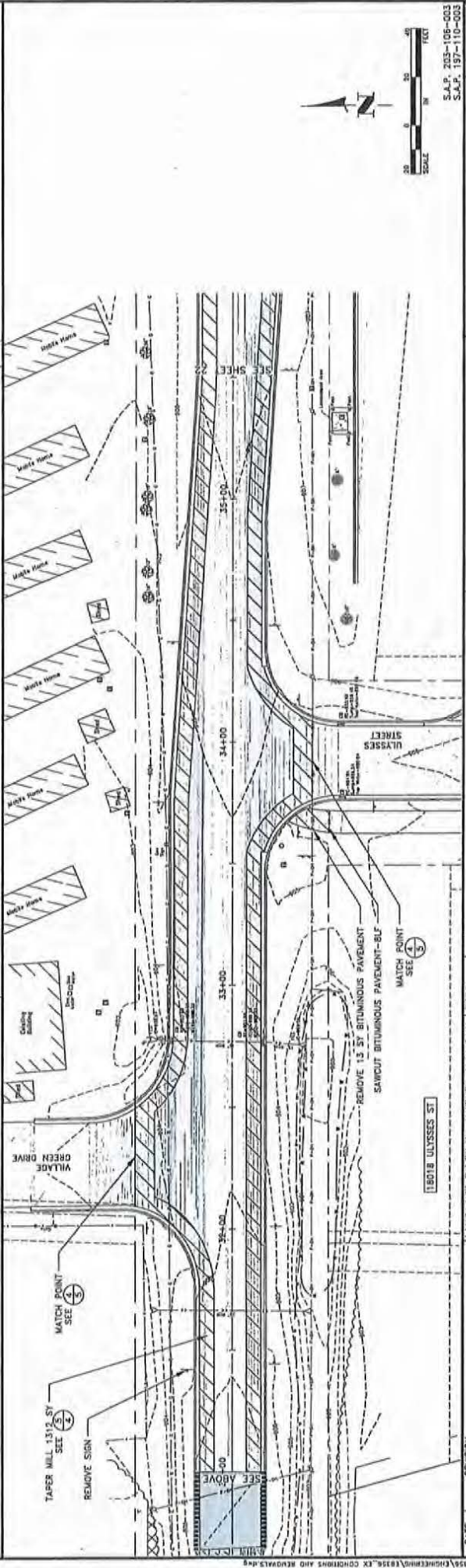
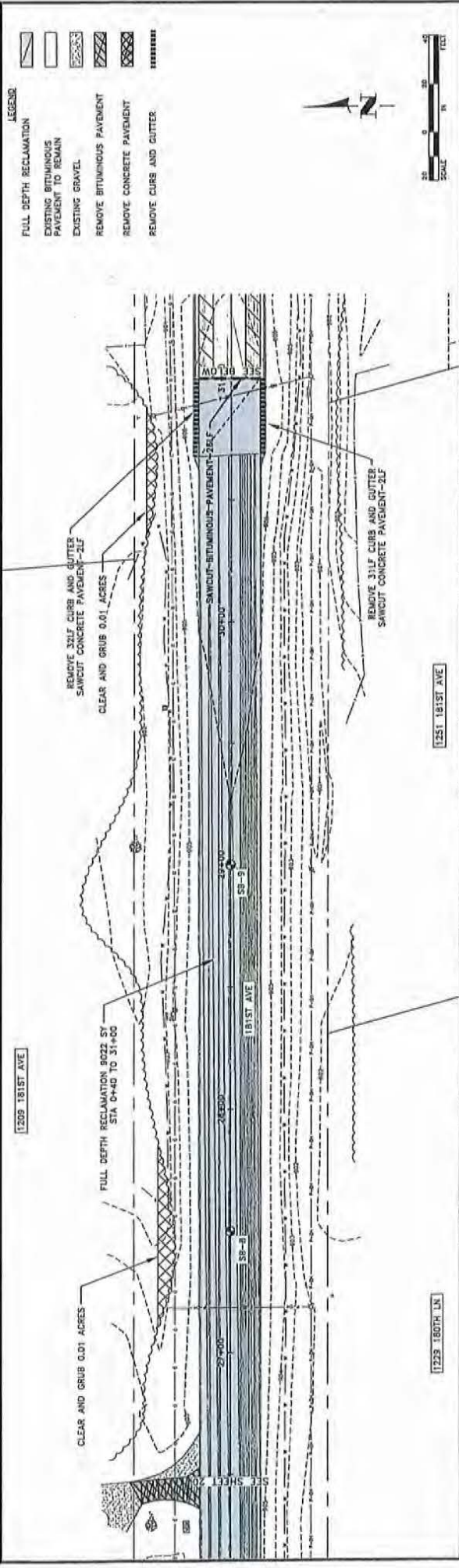
EXISTING CONDITIONS AND REMOVALS PLANS  
181ST AVENUE NE  
CITIES OF EAST BETHEL AND HAM LAKE

S.A.P. 203-105-003  
S.A.P. 197-110-003

SHEET 20 OF 44 SHEETS

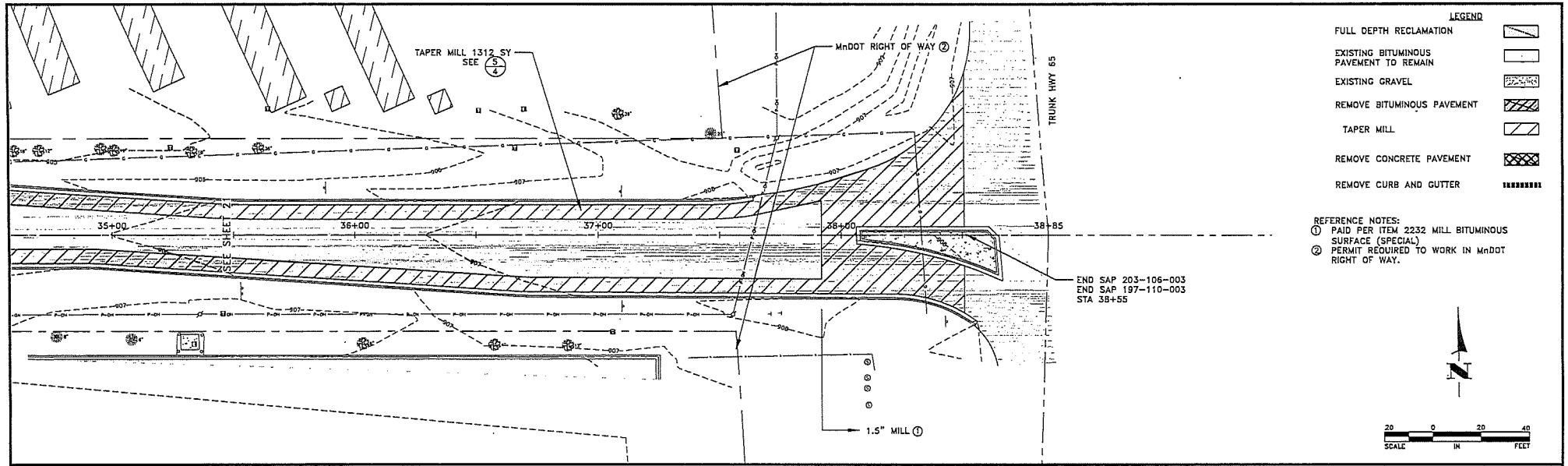
REV: 03/25/22 - R425M  
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- LEGEND**
- FULL DEPTH RECLAMATION
  - EXISTING BITUMINOUS PAVEMENT TO REMAIN
  - EXISTING GRAVEL
  - REMOVE BITUMINOUS PAVEMENT
  - REMOVE CONCRETE PAVEMENT
  - REMOVE CURB AND GUTTER

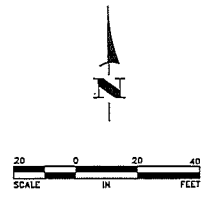
	<p>1209' 181ST AVE</p> <p>1225' 180TH LN</p> <p>1251' 181ST AVE</p> <p>1801B ULYSSES ST</p>				
DATE	REVISION	<p>ISSUED BY: [Signature]</p> <p>DATE: 3/25/22</p> <p>SCALE: 1" = 40'</p>			
<p><b>Holkanson Anderson</b>          Civil Engineers and Land Surveyors          3801 Thurston Ave., Anoka, Minnesota 55303          763-427-5860 FAX 763-427-0520  <a href="http://www.holkanson-anderson.com">www.holkanson-anderson.com</a></p>					
<p><b>181ST AVENUE RECONSTRUCTION PROJECT</b></p>					
<p>EXISTING CONDITIONS AND REMOVALS PLANS</p>					
				SHEET	44
				PROJECT	21
<p>CITIES OF EAST BETHEL AND HAM LAKE</p>					



- LEGEND**
- FULL DEPTH RECLAMATION
  - EXISTING BITUMINOUS PAVEMENT TO REMAIN
  - EXISTING GRAVEL
  - REMOVE BITUMINOUS PAVEMENT
  - TAPER MILL
  - REMOVE CONCRETE PAVEMENT
  - REMOVE CURB AND GUTTER

**REFERENCE NOTES:**  
 ① PAID PER ITEM 2232 MILL BITUMINOUS SURFACE (SPECIAL)  
 ② PERMIT REQUIRED TO WORK IN MnDOT RIGHT OF WAY.

END SAP 203-106-003  
 END SAP 197-110-003  
 STA 38+55



P:\03\_2022 - HAKSON\MINNISCAPAL\EB355\ENGINEERING\EB355\_CX.CONDITIONS AND REMOVALS.dwg

DATE	REVISION
4/1/22	STATE AIR REVIEW

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.

GRANT J. LIOCHUM, P.E.  
 Lic. No. 23461  
 Date 3/25/22

DESIGNER	CJJ
DRAWN	SGJ
CHECKED	TAE



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 763-427-5860 FAX 763-427-0520  
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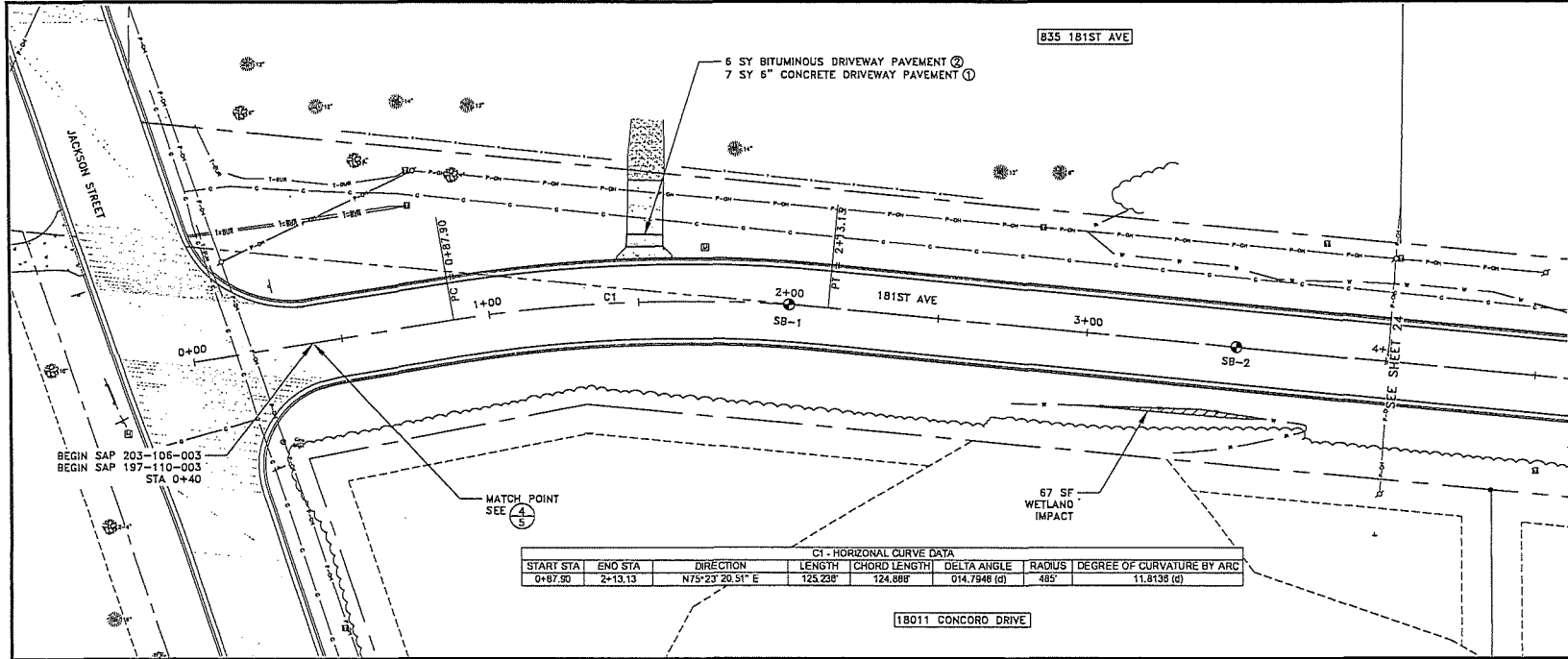
181ST AVENUE RECONSTRUCTION PROJECT

EXISTING CONDITIONS AND REMOVALS PLANS  
 181ST AVENUE NE  
 CITIES OF EAST BETHEL AND HAM LAKE

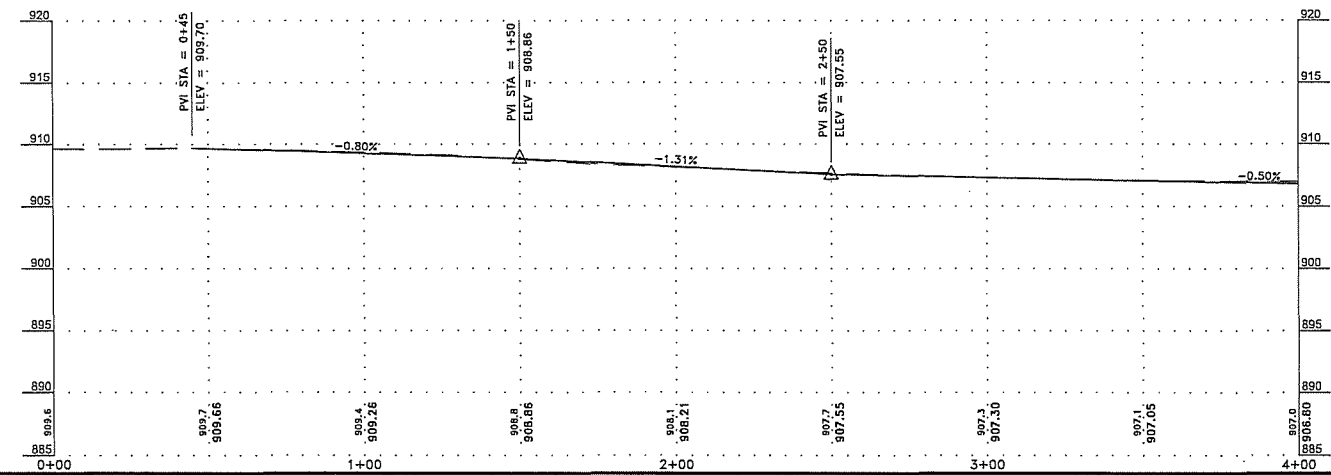
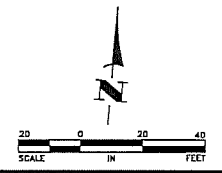
SHEET	22
OF	44
SHEETS	

S.A.P. 203-106-003  
 S.A.P. 197-110-003

EB355



GENERAL NOTES:  
 1. SEE SHEET 3 FOR GENERAL CONSTRUCTION NOTES.  
 REFERENCE NOTES:  
 (1) SEE STANDARD PLATE 707 ON SHEET 6 FOR DRIVEWAY APRON.  
 (2) PAID PER ITEM 2360 TYPE 9.5 WEARING COURSE MIXTURE (2:B) 3.0" THICK.



Apr 02, 2022 - 8:43am  
 C:\WORK\PROJECTS\181ST AVENUE\181ST\_AVENUE\_PP.dwg

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.  
 CRAIG L. JOCHUM, P.E.  
 Lic. No. 23451  
 Date 3/25/22

DESIGNED BY: CJJ  
 DRAWN BY: SGJ  
 CHECKED BY: TAE

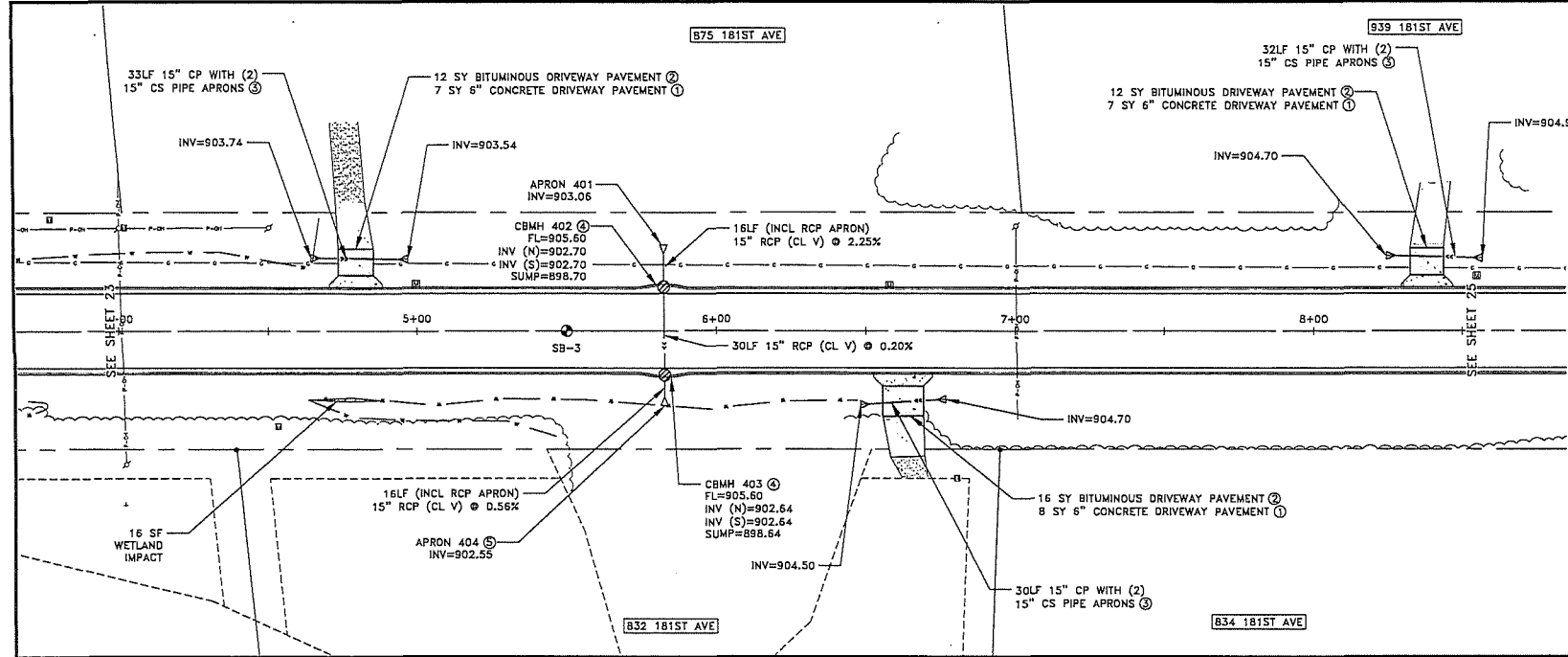


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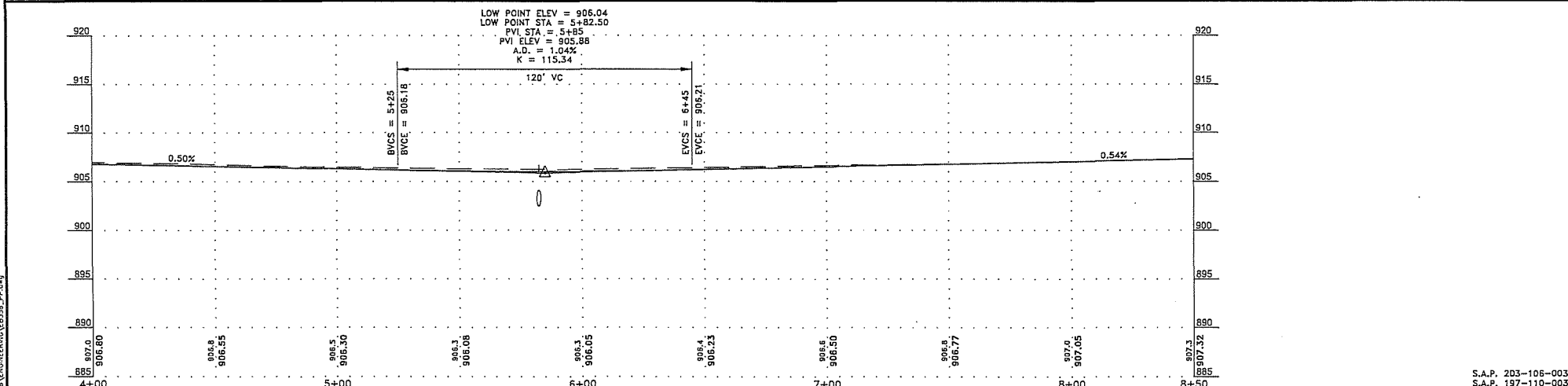
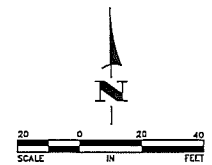
181ST AVENUE RECONSTRUCTION PROJECT

CONSTRUCTION PLANS  
 181ST AVENUE NE  
 CITIES OF EAST BETHEL AND HAM LAKE

S.A.P. 203-106-003  
 S.A.P. 197-110-003  
 SHEET 23 OF 44  
 SHEETS  
 EB356



- GENERAL NOTES:**
- SEE SHEET 3 FOR GENERAL CONSTRUCTION NOTES.
  - SEE  $\text{\textcircled{3}}$  FOR CURB CONSTRUCTION AT CATCH BASINS.
- REFERENCE NOTES:**
- SEE STANDARD PLATE 707 ON SHEET 6 FOR DRIVEWAY APRON.
  - PAID PER ITEM 236D TYPE 9.5 WEARING COURSE MIXTURE (2:8) 3.0" THICK.
  - DRIVEWAY CULVERT LENGTHS INCLUDE THE APRONS.
  - SEE STANDARD PLATE NO. 400 ON SHEET 6.
  - CONSTRUCT 4 CY OF CALSS II RIPRAP PER  $\text{\textcircled{2}}$ .



Apr. 02, 2021 8:43am  
X:\WORK\2021\197\197-110\197-110-003\197-110-003.dwg

DATE	REVISION

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*Craig J. Jochum*  
**CRAIG J. JOCHUM, P.E.**  
 Lic. No. 23461  
 Date 3/25/21

DESIGNED BY: C.J.J.  
 DRAWN BY: SGJ  
 CHECKED BY: TAE

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 Civil Engineers and Land Surveyors  
 3601 Thurston Ave., Anoka, Minnesota 55303  
 763-427-5860 FAX 763-427-0520  
 www.hakanson-anderson.com

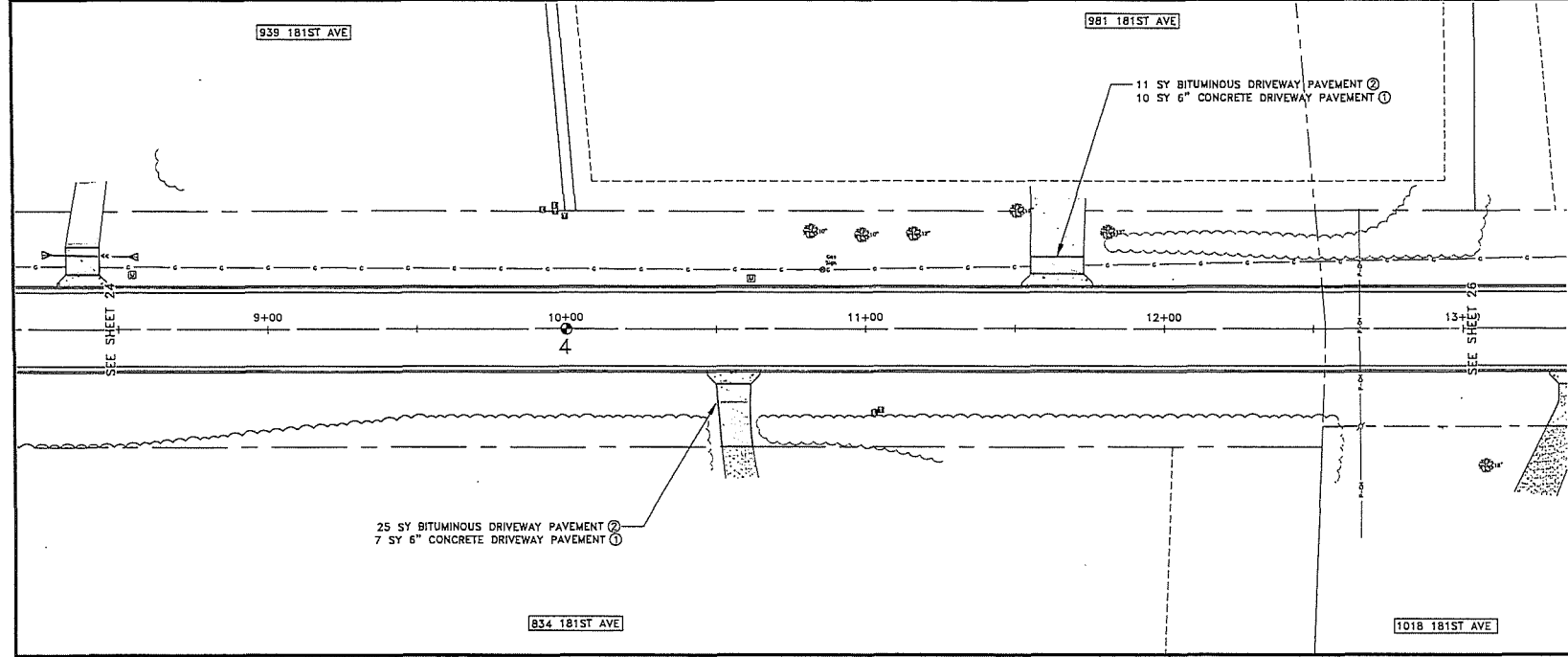
**181ST AVENUE RECONSTRUCTION PROJECT**

**CONSTRUCTION PLANS**  
 181ST AVENUE NE  
 CITIES OF EAST BETHEL AND HAM LAKE

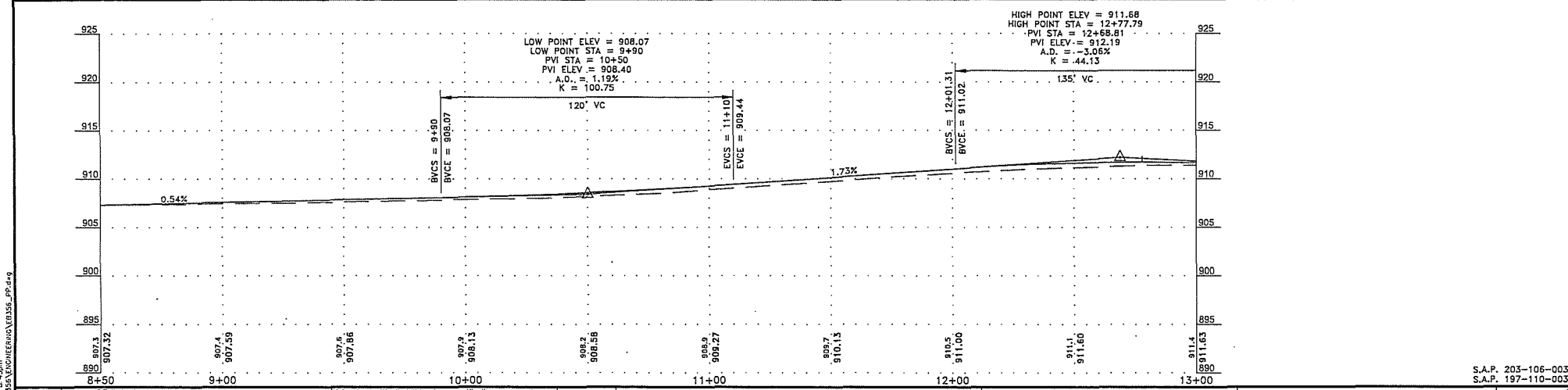
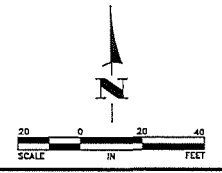
S.A.P. 203-106-003  
 S.A.P. 197-110-003

SHEET **24** OF **44** SHEETS





GENERAL NOTES:  
 1. SEE SHEET 3 FOR GENERAL CONSTRUCTION NOTES.  
 REFERENCE NOTES:  
 ① SEE STANDARD PLATE 707 ON SHEET 6 FOR DRIVEWAY APRON.  
 ② PAID PER ITEM 2360 TYPE 9.5 WEARING COURSE MIXTURE (2:8) 3.0" THICK.



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.  
 Date 3/25/22  
 CRAIG J. JOCHUM, P.E.  
 Lic. No. 23461

DESIGNED BY  
 C.J.J.  
 DRAWN BY  
 S.G.J.  
 CHECKED BY  
 T.A.E.



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181ST AVENUE RECONSTRUCTION PROJECT

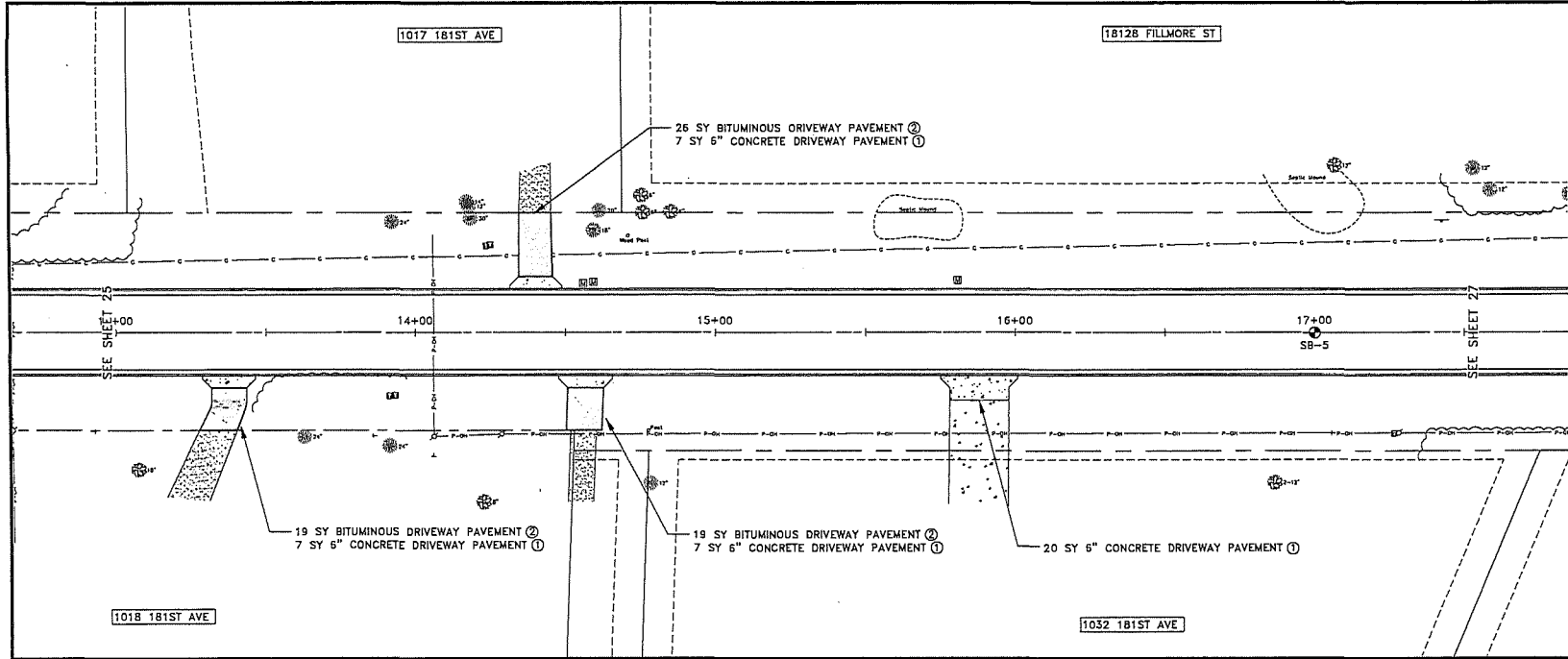
CONSTRUCTION PLANS  
 181ST AVENUE NE  
 CITIES OF EAST BETHEL AND HAM LAKE

S.A.P. 205-106-003  
 S.A.P. 197-110-003

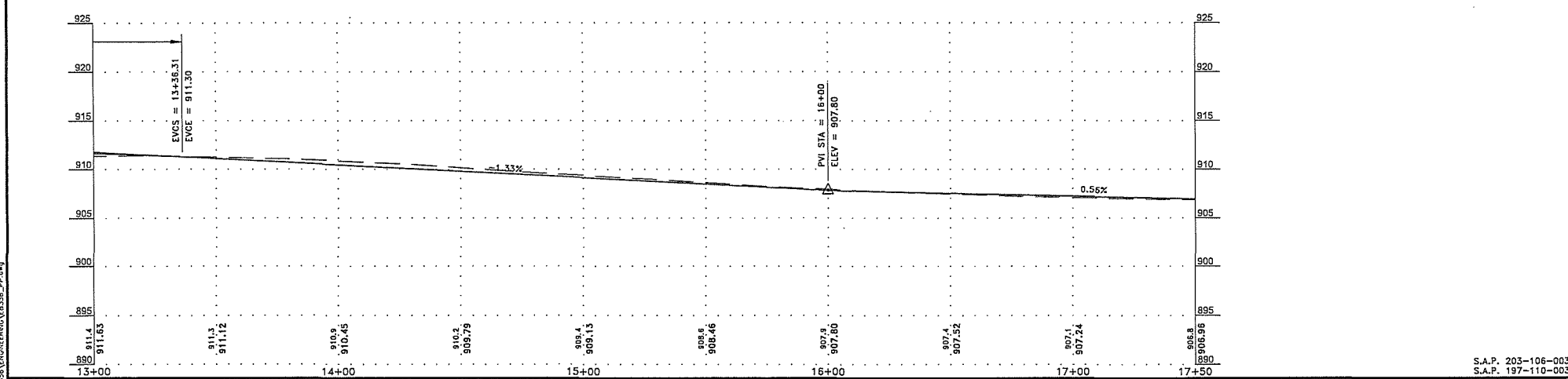
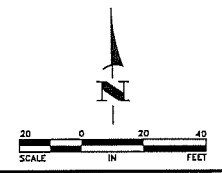
SHEET  
 25  
 OF  
 44  
 SHEETS

Apr. 02, 2023 8:43am  
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Apr. 02, 2021 - 8:43am  
C:\Users\A\OneDrive\Documents\EB35E\_PP.dwg



GENERAL NOTES:  
1. SEE SHEET 3 FOR GENERAL CONSTRUCTION NOTES.  
REFERENCE NOTES:  
① SEE STANDARD PLATE 707 ON SHEET 6 FOR DRIVEWAY APRON.  
② PAID PER ITEM 2360 TYPE 9.5 WEARING COURSE MIXTURE (2:B) 3.0" THICK.



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.  
 Date 3/25/22  
 CRAIG J. JOCHUM, P.E.  
 Lic. No. 23461

DESIGNED BY: CJJ  
 DRAWN BY: SGJ  
 CHECKED BY: TAE

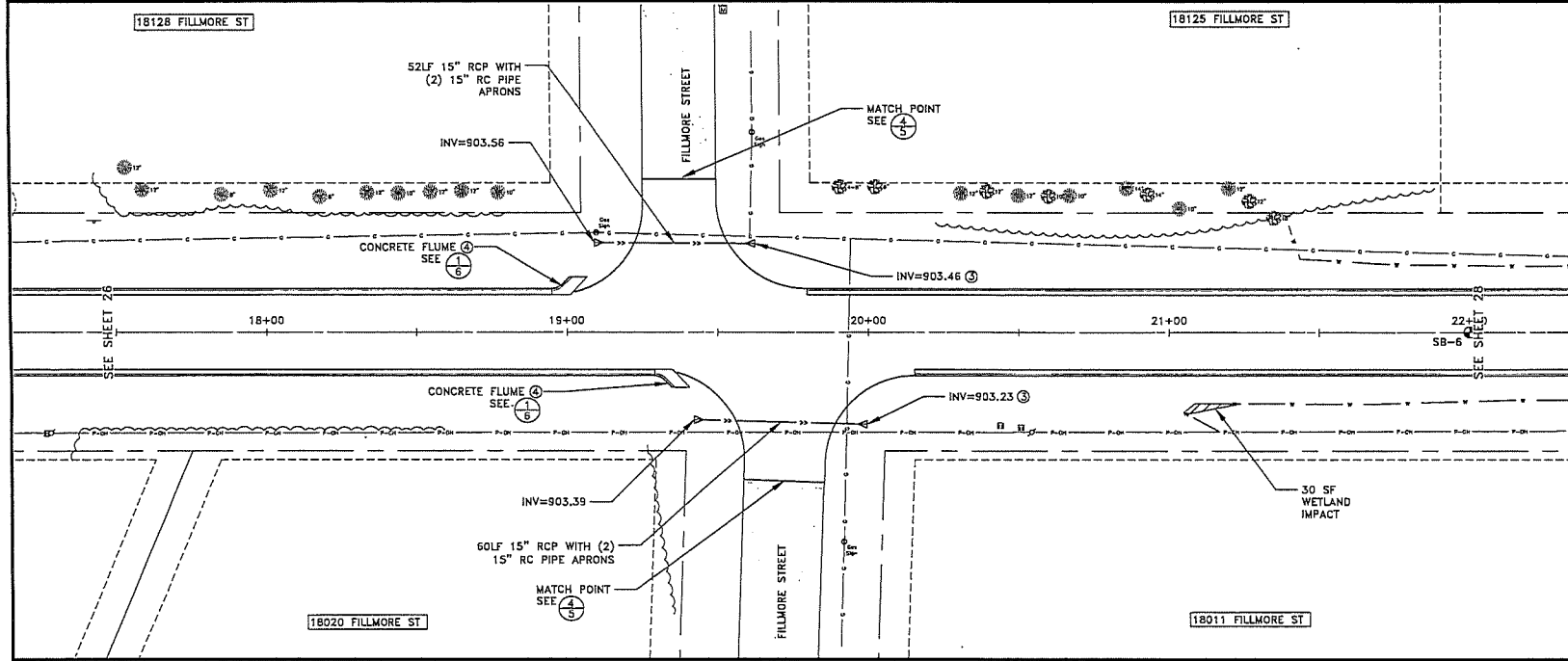


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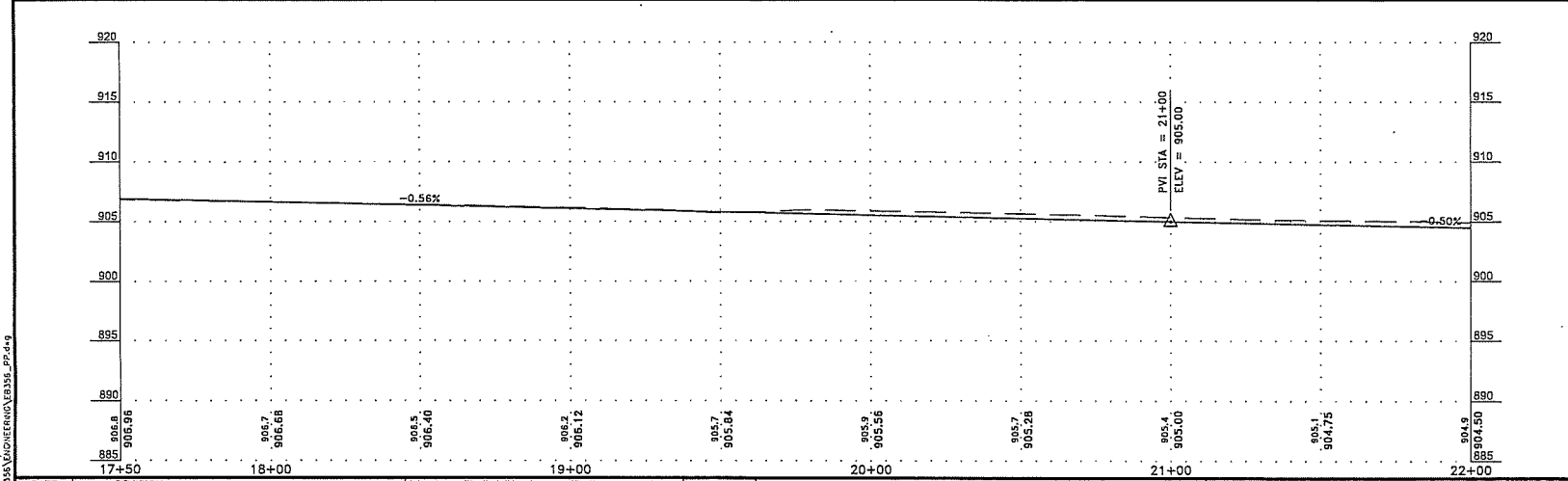
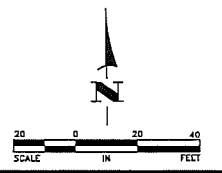
**181ST AVENUE RECONSTRUCTION PROJECT**

**CONSTRUCTION PLANS**  
 181ST AVENUE NE  
 CITIES OF EAST BETHEL AND HAM LAKE

S.A.P. 203-106-003  
 S.A.P. 197-110-003  
 SHEET 26 OF 44  
 SHEETS  
 EB35E



- GENERAL NOTES:  
 1. SEE SHEET 3 FOR GENERAL CONSTRUCTION NOTES.
- REFERENCE NOTES:  
 ① SEE STANDARD PLATE 707 ON SHEET 6 FOR DRIVEWAY APRON.  
 ② PAID PER ITEM 2360 TYPE 9.5 WEARING COURSE MIXTURE (2B) 3.0" THICK.  
 ③ CONSTRUCT 4 CY OF CLASS II RIPRAP PER ②.  
 ④ CONSTRUCT 3 CY OF CLASS II RIPRAP OVER TYPE IV GEOTEXTILE FILTER PER ②.



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.

**CRAIG J. JOCHUM, P.E.**  
 Lic. No. 23461  
 Date 3/25/22

DESIGNED BY: CJJ  
 DRAWN BY: SGJ  
 CHECKED BY: TAE

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 Civil Engineers and Land Surveyors  
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 763-427-5860 FAX 763-427-0520  
 www.hakanson-anderson.com

**181ST AVENUE RECONSTRUCTION PROJECT**

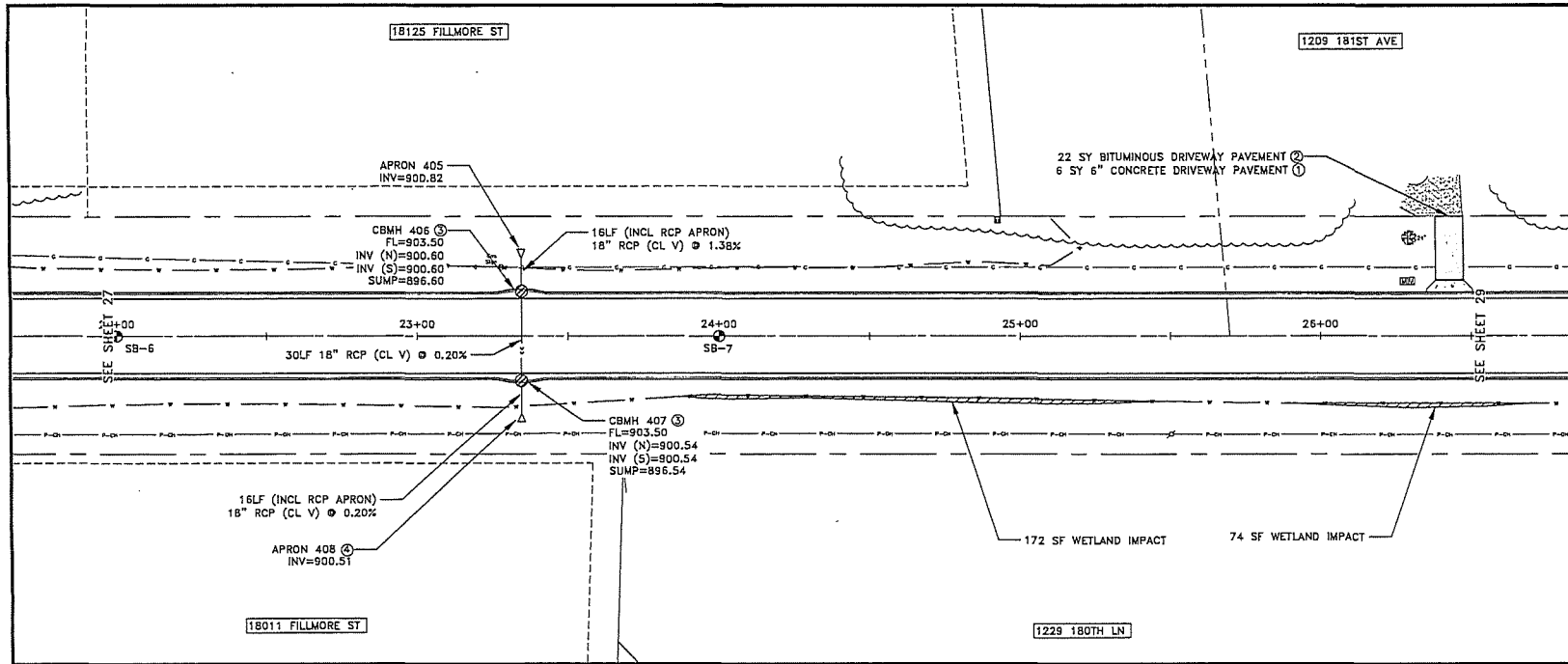
CONSTRUCTION PLANS

181ST AVENUE NE  
 CITIES OF EAST BETHEL AND HAM LAKE

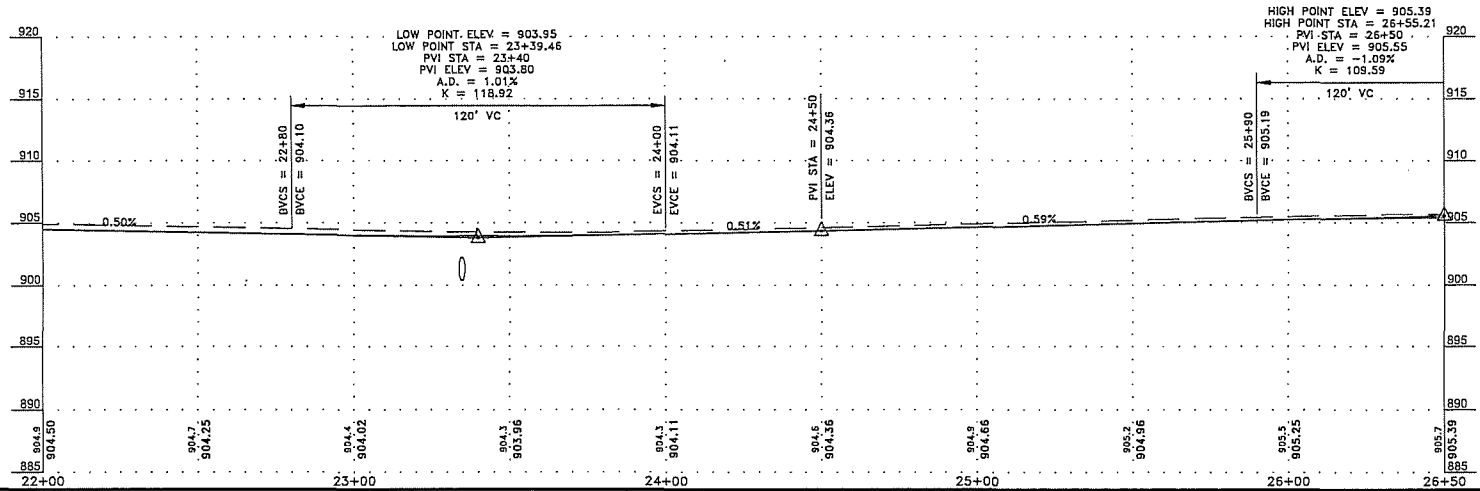
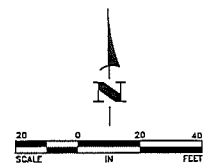
SHEET 27 OF 44 SHEETS

S.A.P. 203-106-003  
 S.A.P. 197-110-003

181st Avenue Reconstruction Project - 181st Avenue NE  
 181st Avenue NE, East Bethel, MN 55017  
 181st Avenue NE, Ham Lake, MN 55026  
 181st Avenue NE, Ham Lake, MN 55026



- GENERAL NOTES:  
 1. SEE SHEET 3 FOR GENERAL CONSTRUCTION NOTES.  
 2. SEE ③ FOR CURB CONSTRUCTION AT CATCH BASINS.
- REFERENCE NOTES:  
 ① SEE STANDARD PLATE 707 ON SHEET 6 FOR DRIVEWAY APRON.  
 ② PAID PER ITEM 2360 TYPE 9.5 WEARING COURSE MIXTURE (2:B) 3.0" THICK.  
 ③ SEE STANDARD PLATE NO. 400 ON SHEET 6.  
 ④ CONSTRUCT 5 CY OF CALSS II RIPRAP PER ②.



18125 FILLMORE ST  
 1209 181ST AVE  
 18011 FILLMORE ST  
 1228 180TH LN

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.

*Chraig J. Jochum*  
 CRAIG J. JOCHUM, P.E.  
 Lic. No. 23461  
 Date 3/25/22

DESIGNED BY: CJJ  
 CHECKED BY: SGJ  
 DATE: TAE



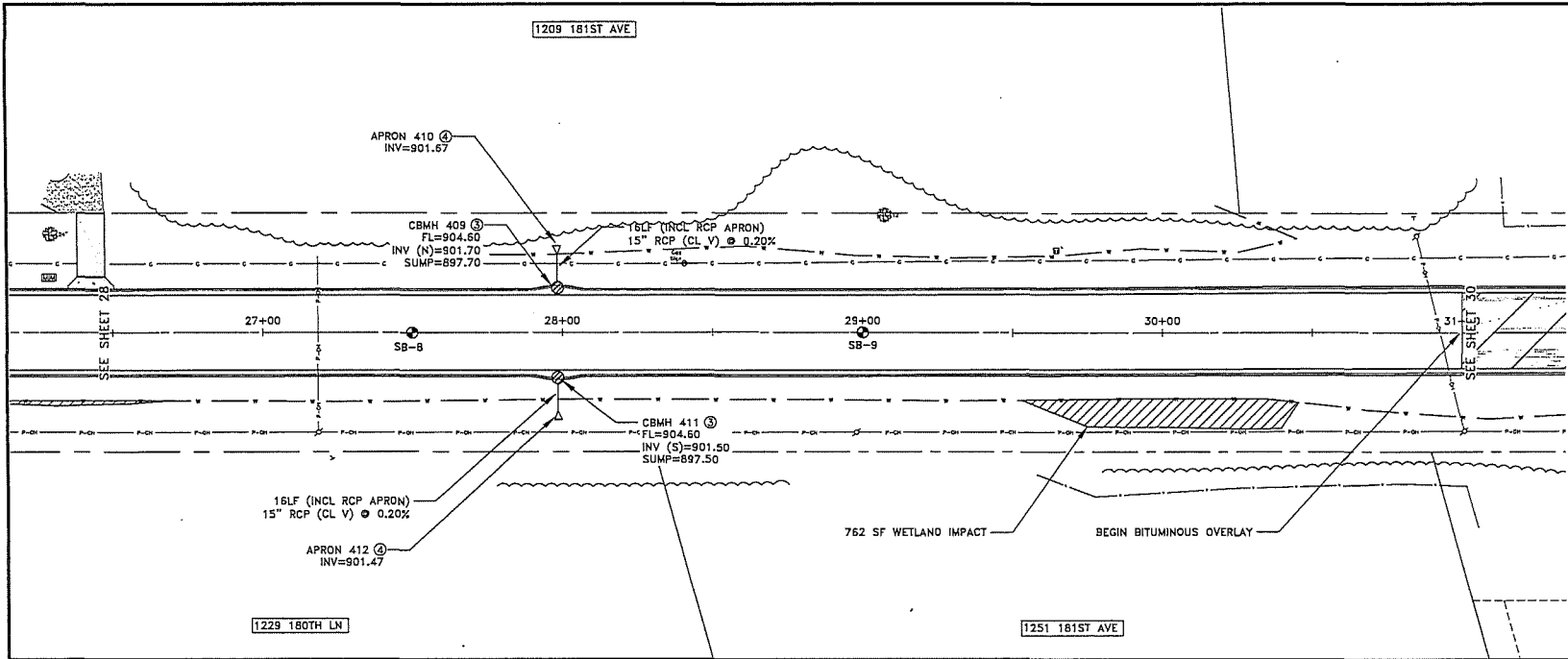
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181ST AVENUE RECONSTRUCTION PROJECT

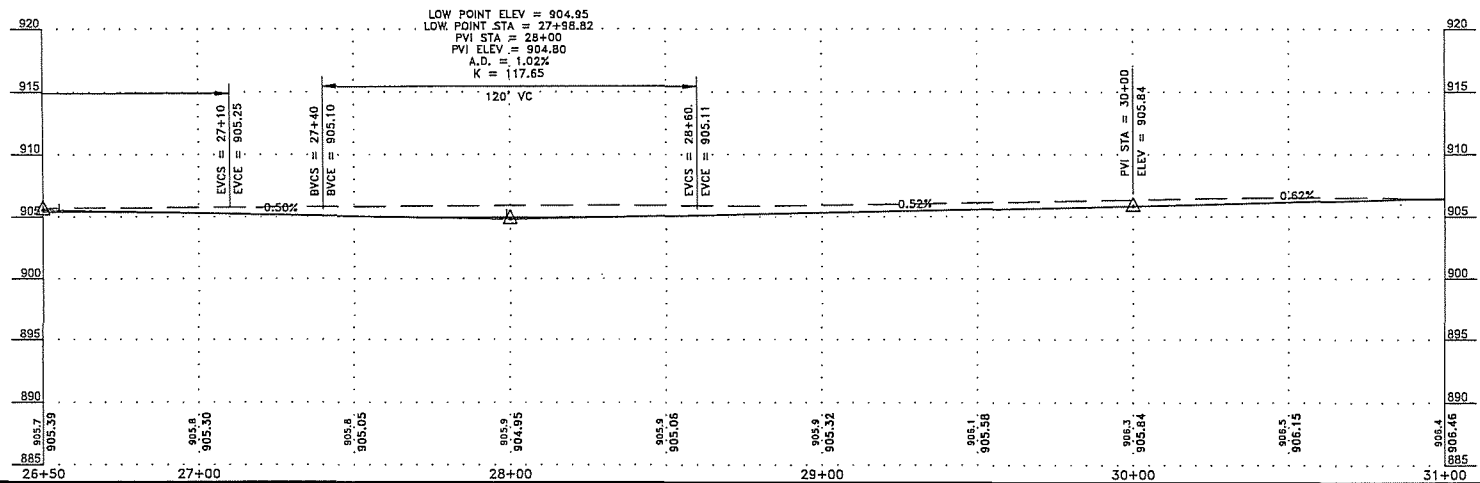
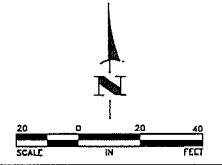
CONSTRUCTION PLANS  
 181ST AVENUE NE  
 CITIES OF EAST BETHEL AND HAM LAKE

S.A.P. 203-106-003  
 S.A.P. 197-110-003

SHEET 28 OF 44 SHEETS



- GENERAL NOTES:  
 1. SEE SHEET 3 FOR GENERAL CONSTRUCTION NOTES.  
 2. SEE ③ FOR CURB CONSTRUCTION AT CATCH BASINS.
- REFERENCE NOTES:  
 ① SEE STANDARD PLATE 707 ON SHEET 6 FOR DRIVEWAY APRON.  
 ② PAID PER ITEM 2360 TYPE 9.5 WEARING COURSE MIXTURE (2:8) 3.0" THICK.  
 ③ SEE STANDARD PLATE NO. 400 ON SHEET 6.  
 ④ CONSTRUCT 4 CY OF CALSS II RIPRAP PER ②.



P:\12\181ST - 8.13.mxd  
 C:\WINDOWS\SYSTEM32\CONVERT\EB355\_PP.dwg

DATE	REVISION

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*Craig J. Jochum*  
 CRAIG J. JOCHUM, P.E.  
 Lic. No. 23461  
 Date 3/25/22

DESIGNED BY: CJJ  
 DRAWN BY: SGJ  
 CHECKED BY: TAE



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 763-427-5860 FAX 763-427-0520  
 www.hakanson-anderson.com

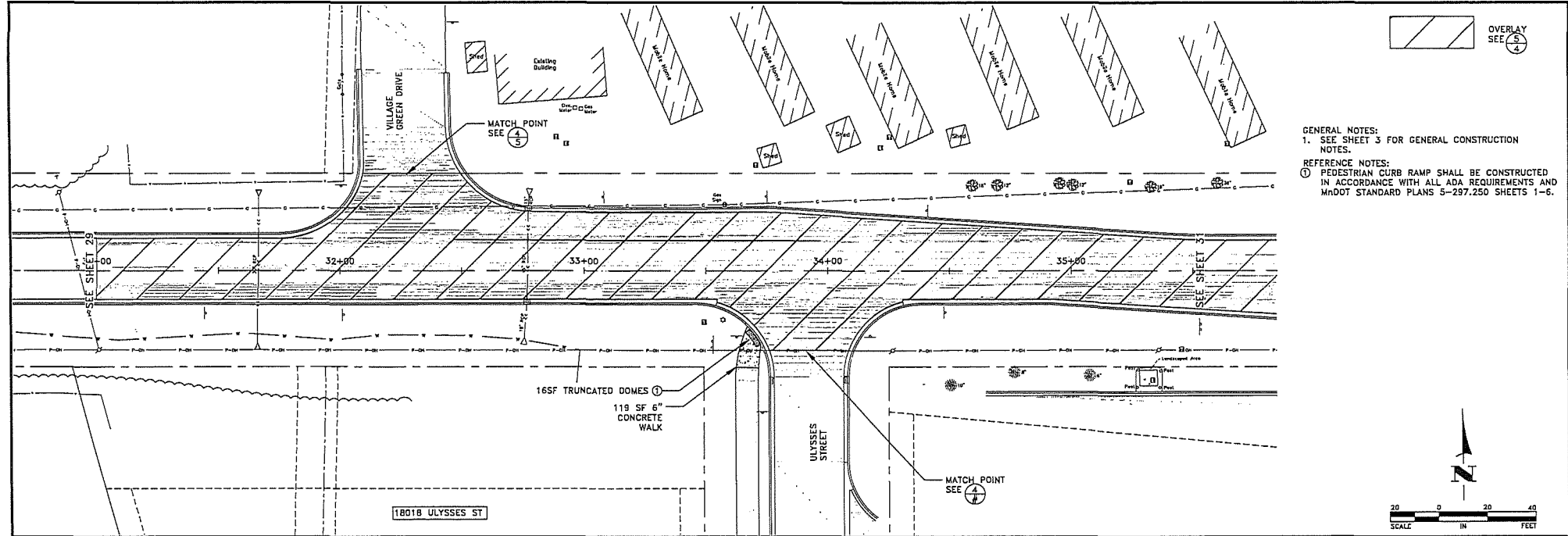
181ST AVENUE RECONSTRUCTION PROJECT

CONSTRUCTION PLANS  
 181ST AVENUE NE  
 CITIES OF EAST BETHEL AND HAM LAKE

S.A.P. 203-106-003  
 S.A.P. 197-110-003

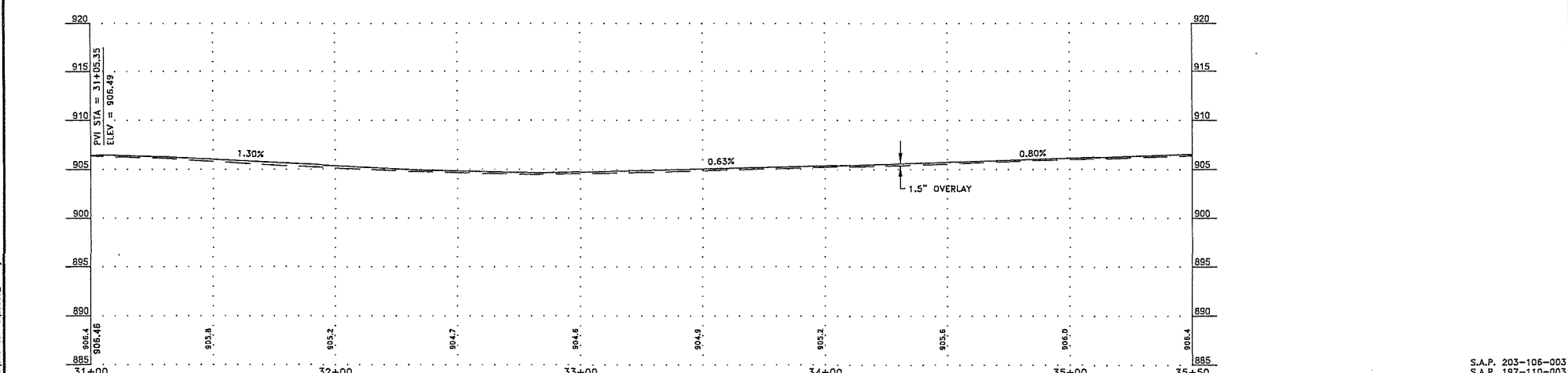
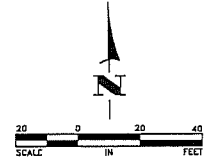
SHEET 29 OF 44 SHEETS

EB356



OVERLAY SEE 5/4

GENERAL NOTES:  
 1. SEE SHEET 3 FOR GENERAL CONSTRUCTION NOTES.  
 REFERENCE NOTES:  
 ① PEDESTRIAN CURB RAMP SHALL BE CONSTRUCTED IN ACCORDANCE WITH ALL ADA REQUIREMENTS AND MnDOT STANDARD PLANS 5-297.250 SHEETS 1-6.




04.02.2017 - 8:45am  
 K:\MUNICIPAL\EB355\ENGINEERING\EB355\_PP.dwg

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.  
 Date 3/25/22  
 CRAIG J. JOCHUM, P.E.  
 Lic. No. 23461

DESIGNER: CJJ  
 DRAWN BY: SGJ  
 CHECKED BY: TAE

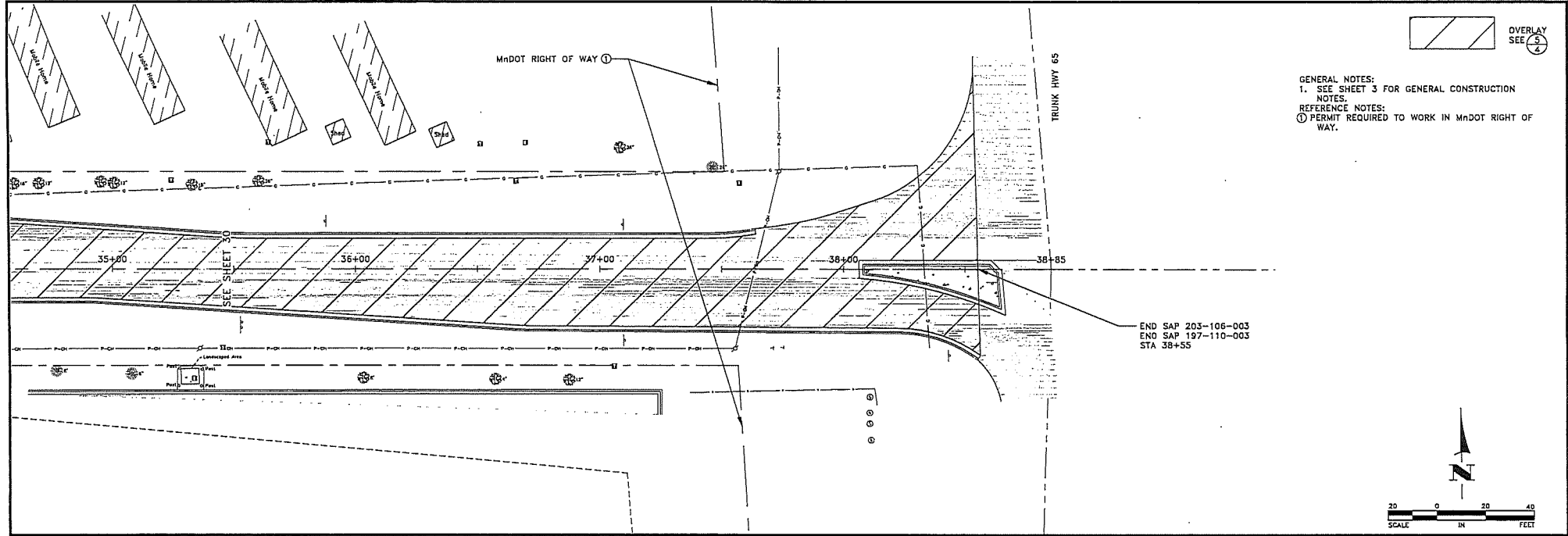

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 Civil Engineers and Land Surveyors  
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 763-427-5860 FAX 763-427-0520  
 www.hakanson-anderson.com

181ST AVENUE RECONSTRUCTION PROJECT

CONSTRUCTION PLANS  
 181ST AVENUE NE  
 CITIES OF EAST BETHEL AND HAM LAKE

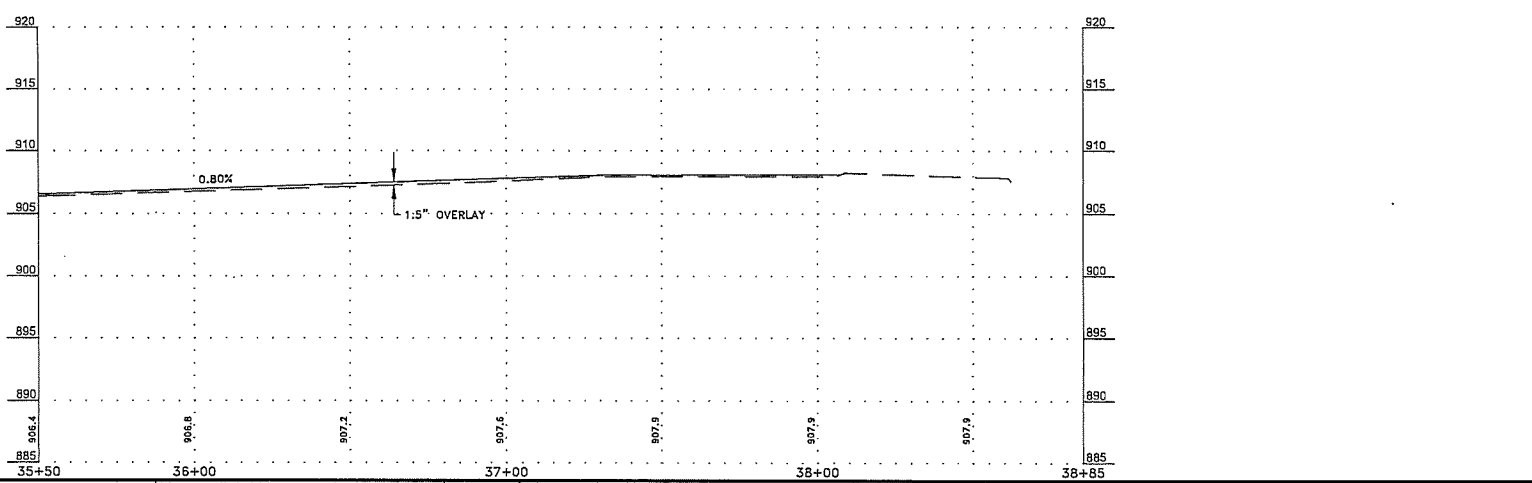
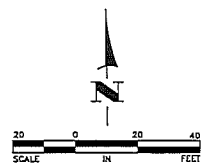
S.A.P. 203-106-003  
 S.A.P. 197-110-003

SHEET 30  
 OF 44  
 SHEETS



OVERLAY  
SEE 2

GENERAL NOTES:  
1. SEE SHEET 3 FOR GENERAL CONSTRUCTION NOTES.  
REFERENCE NOTES:  
① PERMIT REQUIRED TO WORK IN MnDOT RIGHT OF WAY.



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DATE	REVISION
4/1/22	STATE AIR REVIEW

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.

*Craig J. Jochum*  
CRAIG J. JOCHUM, P.E.  
Lic. No. 23451  
Date 3/25/22

DESIGNED BY: CJU  
DRAWN BY: SGJ  
CHECKED BY: TAE

**Hakanson Anderson**  
Civil Engineers and Land Surveyors  
3601 Thurston Ave., Anoka, Minnesota 55303  
763-427-5860 FAX 763-427-0520  
www.hakanson-anderson.com

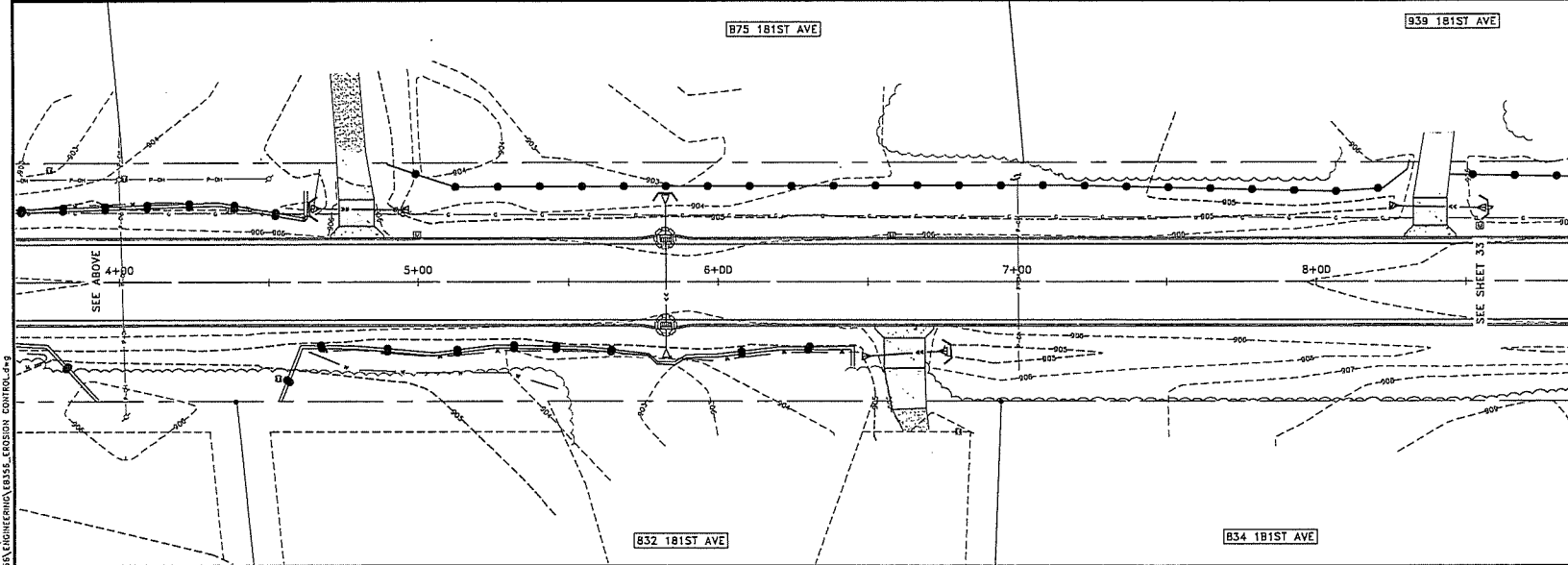
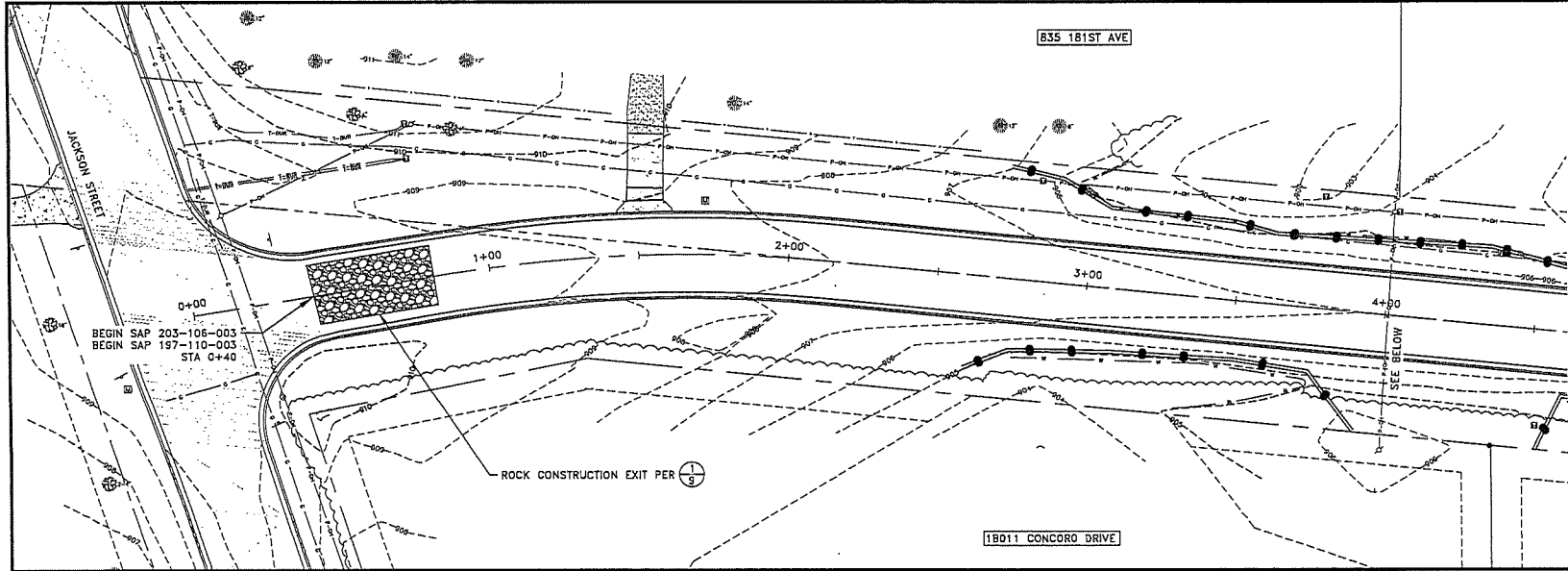
181ST AVENUE RECONSTRUCTION PROJECT

CONSTRUCTION PLANS  
181ST AVENUE NE  
CITIES OF EAST BETHEL AND HAM LAKE

S.A.P. 203-106-003  
S.A.P. 197-110-003

SHEET 31 OF 44 SHEETS





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.

**CRAIG J. JOCHUM, P.E.**  
 Date 3/25/22 Lic. No. 23461

DESIGNED BY	CJJ
CHECKED BY	SGJ
DATE	TAE



**Hakanson Anderson**  
 Civil Engineers and Land Surveyors  
 3601 Thurston Ave., Anoka, Minnesota 55305  
 763-427-5860 FAX 763-427-0520  
 www.hakanson-anderson.com

**181ST AVENUE RECONSTRUCTION PROJECT**

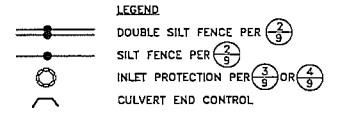
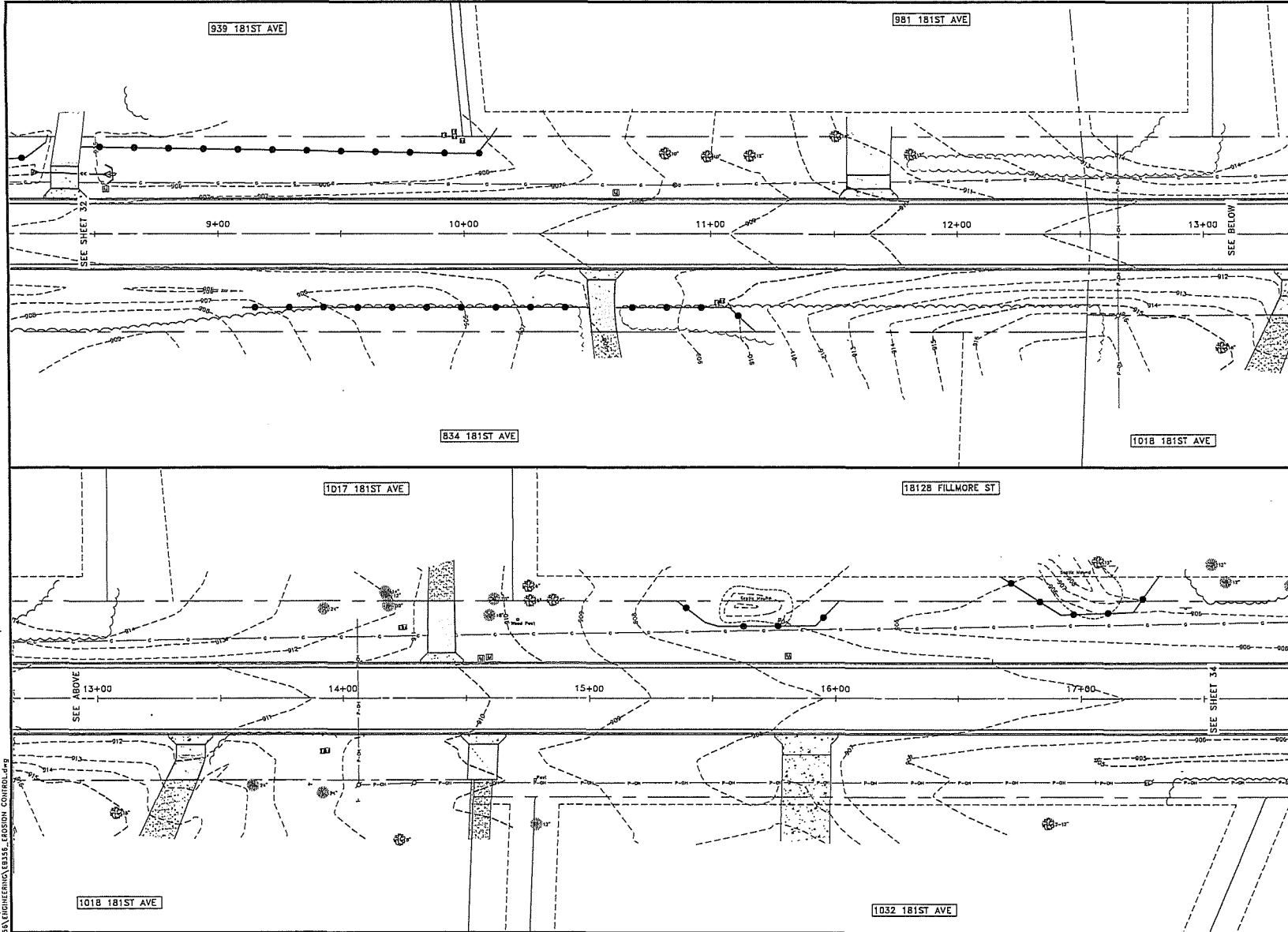
**EROSION CONTROL PLANS**

181ST AVENUE NE  
 CITIES OF EAST BETHEL AND HAM LAKE

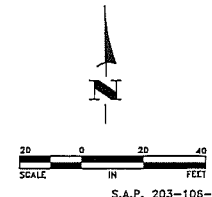
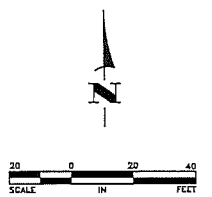
S.A.P. 203-106-003  
 S.A.P. 197-110-003

SHEET 32 OF 44 SHEETS

Apr. 07, 2022 - 8:44pm  
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**GENERAL NOTES:**  
 1. ALL CULVERTS AND STORM SEWER APRONS SHALL BE RESTORED WITH ROLLED EROSION BLANKET PER SHEET 10.



APR 02, 2022 - 8:46PM  
 C:\Users\pall... \AppData\Local\Temp\1\1017181ST AVE EROSION CONTROL.dwg

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.

**CRAIG J. JOCHUM, P.E.**  
 Date 3/25/22 Lic. No. 23461

DESIGNED BY: CJJ  
 DRAWN BY: SGJ  
 CHECKED BY: TAE



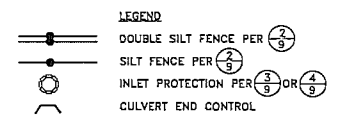
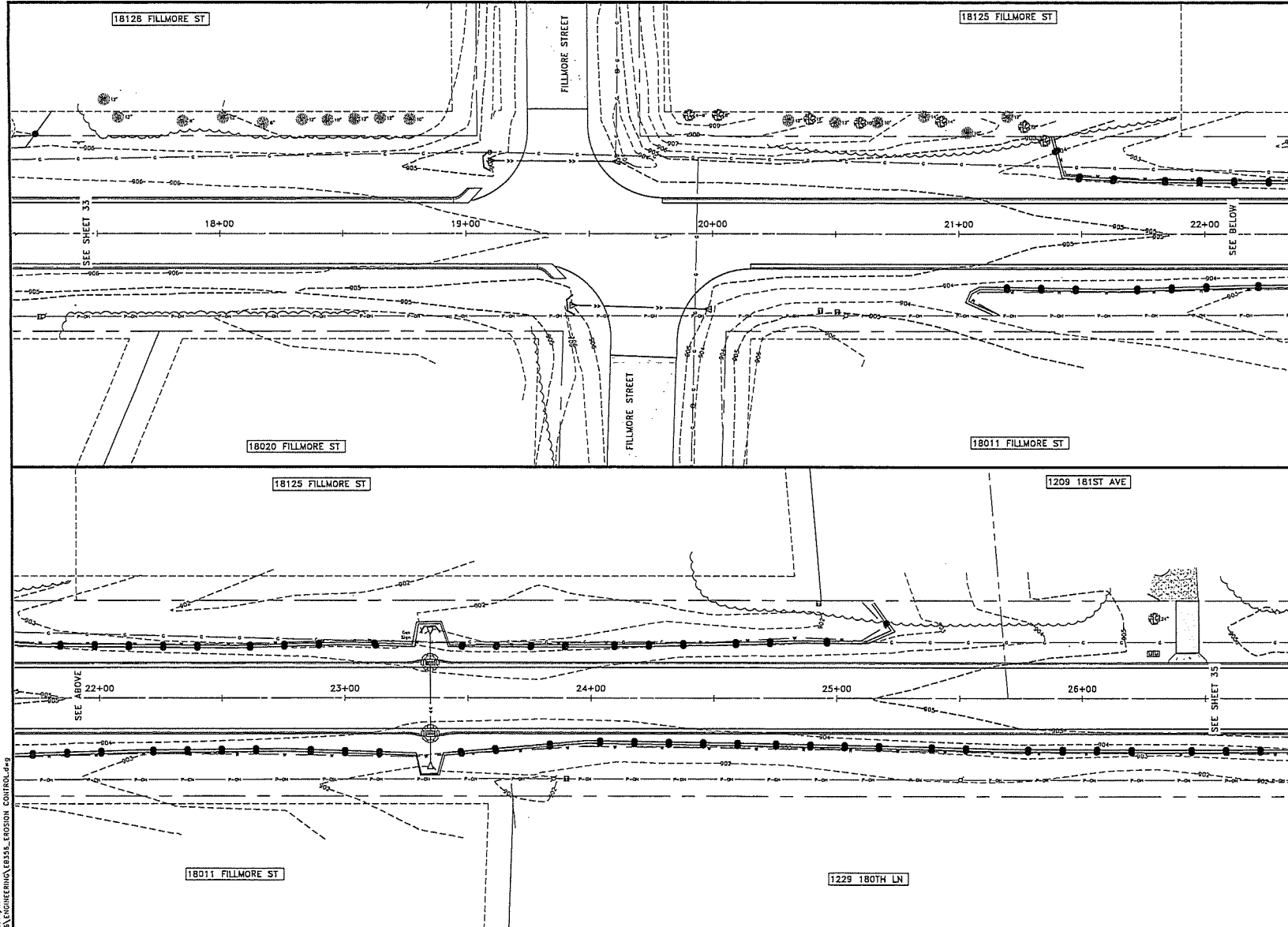
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 763-427-5880 FAX 763-427-0520  
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**181ST AVENUE RECONSTRUCTION PROJECT**

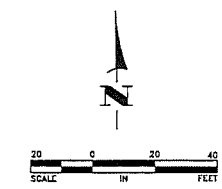
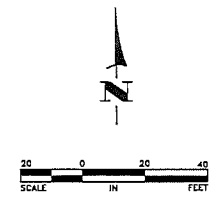
**EROSION CONTROL PLANS**  
 181ST AVENUE NE  
 CITIES OF EAST BETHEL AND HAM LAKE

SHEET 33 OF 44 SHEETS

S.A.P. 203-106-003  
 S.A.P. 197-110-003



**GENERAL NOTES:**  
 1. ALL CULVERTS AND STORM SEWER APRONS SHALL BE RESTORED WITH ROLLED EROSION BLANKET PER SHEET 10.



Apr 01, 2022 - 8:44pm  
 C:\Users\j\Documents\181ST AVENUE RECONSTRUCTION\181ST AVENUE RECONSTRUCTION\EROSION CONTROL.dwg

DATE	REVISION

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**CRAIG J. JOCHUM, P.E.**  
 Lic. No. 23461  
 Date 3/25/22

DRAWN BY: C.J.J.
CHECKED BY: S.G.J.
DATE: T.A.E.



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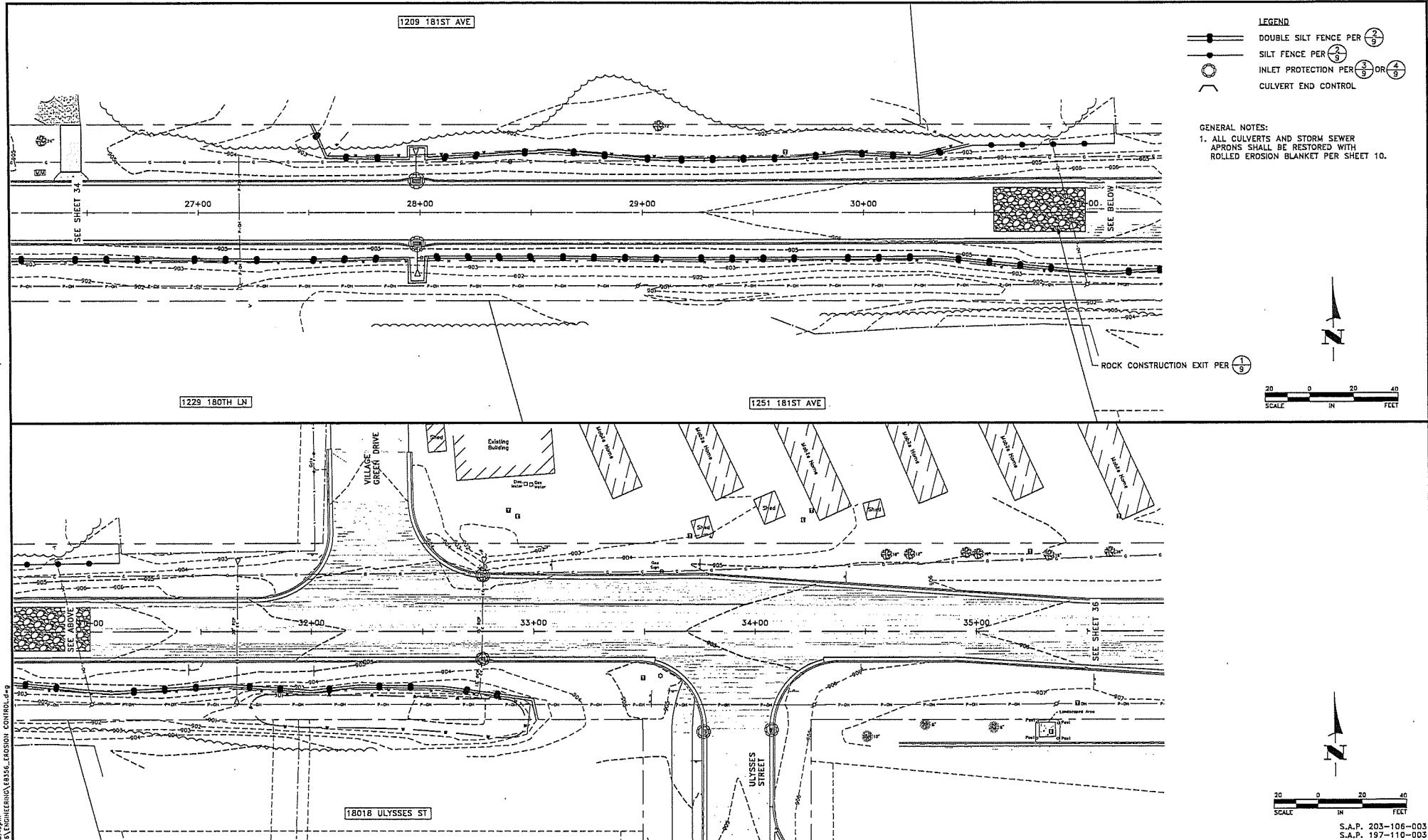
**181ST AVENUE RECONSTRUCTION PROJECT**

**EROSION CONTROL PLANS**

181ST AVENUE NE  
 CITIES OF EAST BETHEL AND HAM LAKE

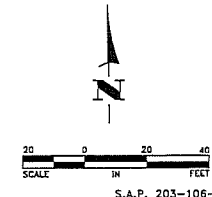
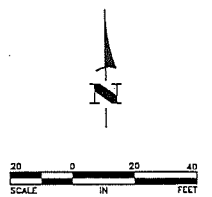
S.A.P. 203-106-003  
 S.A.P. 197-110-003

SHEET 34 OF 44 SHEETS



- LEGEND**
- DOUBLE SILT FENCE PER (2/9)
  - SILT FENCE PER (2/9)
  - INLET PROTECTION PER (3/9) OR (4/9)
  - CULVERT END CONTROL

**GENERAL NOTES:**  
 1. ALL CULVERTS AND STORM SEWER APRONS SHALL BE RESTORED WITH ROLLED EROSION BLANKET PER SHEET 10.



Apr 02, 2022 - 8:45pm  
 K:\MUNICIPAL\181ST\ENGINEERING\181ST\_EROSION\_CONTROL.dwg

DATE	REVISION

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 CRAIG J. JOCHUM, P.E.  
 Date 3/25/22 Lic. No. 23461

DESIGNED BY: CJJ
DRAWN BY: SGJ
CHECKED BY: TAE



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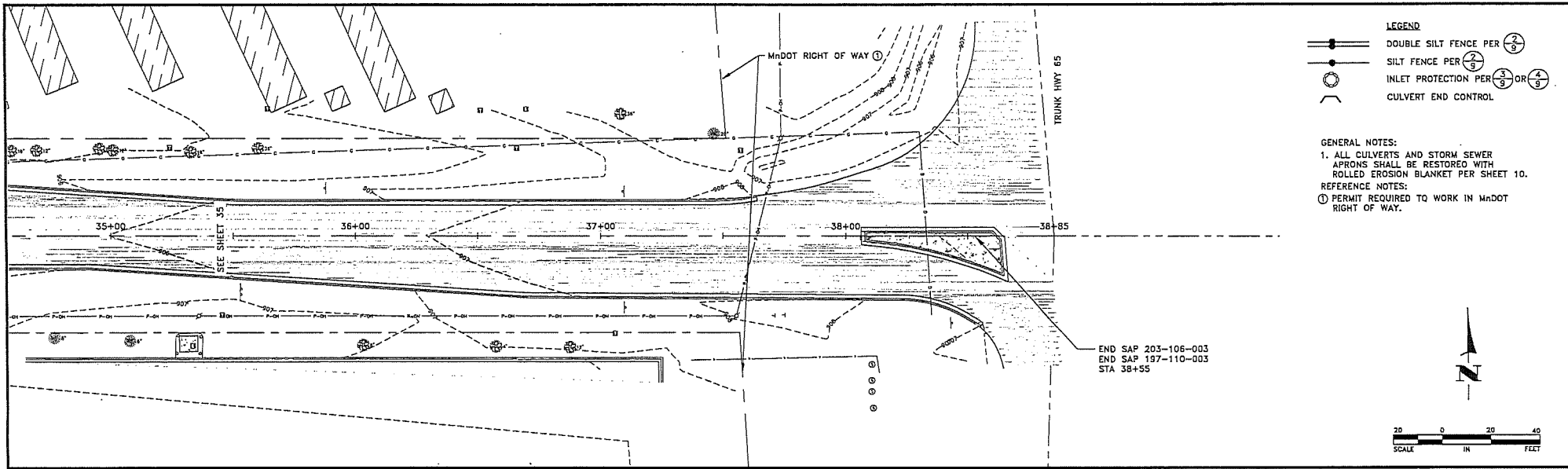
**181ST AVENUE RECONSTRUCTION PROJECT**

**EROSION CONTROL PLANS**  
 181ST AVENUE NE  
 CITIES OF EAST BETHEL AND HAM LAKE

SHEET 35 OF 44 SHEETS

S.A.P. 203-106-003  
 S.A.P. 197-110-003

Apr 02, 2022 1:56:45pm C:\MINNESOTA\181ST AVENUE\181ST AVENUE\181ST AVENUE\181ST AVENUE\EROSION CONTROL.dwg



- LEGEND**
- DOUBLE SILT FENCE PER (2/3)
  - SILT FENCE PER (2/3)
  - INLET PROTECTION PER (3/9) OR (4/9)
  - CULVERT END CONTROL

- GENERAL NOTES:**
1. ALL CULVERTS AND STORM SEWER APRONS SHALL BE RESTORED WITH ROLLED EROSION BLANKET PER SHEET 10.
- REFERENCE NOTES:**
- Ⓢ PERMIT REQUIRED TO WORK IN MNDOT RIGHT OF WAY.

END SAP 203-106-003  
 END SAP 197-110-003  
 STA 38+55



S.A.P. 203-106-003  
 S.A.P. 197-110-003

DATE	REVISION
4/1/22	STATE AID REVIEW

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**CRAIG J. JOCHUM, P.E.**  
 Date 3/25/22 Lic. No. 23461

DESIGNER:	CJJ
DRAWN BY:	SGJ
CHECKED BY:	TAC



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**181ST AVENUE RECONSTRUCTION PROJECT**

**EROSION CONTROL PLANS**  
 181ST AVENUE NE  
 CITIES OF EAST BETHEL AND HAM LAKE

SHEET 36 OF 44 SHEETS

**GENERAL PAVEMENT MARKING NOTES AND INFORMATION:**

THE ENGINEER'S INVOLVEMENT IN THE APPLICATION OF THE MATERIAL SHALL BE LIMITED TO FIELD CONSULTATION AND OBSERVATION. ENGINEER WILL PLACE NECESSARY "SPOTTING" AT APPROPRIATE POINTS TO PROVIDE HORIZONTAL CONTROL FOR STRIPING AND TO DETERMINE NECESSARY STARTING AND CUTOFF POINTS. LONGITUDINAL JOINTS, PAVEMENT EDGES AND EXISTING MARKINGS MAY SERVE AS HORIZONTAL CONTROL WHEN SO DIRECTED.

EDGE LINES AND LANE LINES ARE TO BE BROKEN ONLY AT INTERSECTIONS WITH PUBLIC ROADS AND AT PRIVATE ENTRANCES IF THEY ARE CONTROLLED BY A YIELD SIGN, STOP SIGN OR TRAFFIC SIGNAL. THE BREAK POINT IS TO BE AT THE START OF THE RADIUS FOR THE INTERSECTION OR AT MARKED STOP LINES OR CROSSWALKS.

A TOLERANCE OF 1/4 INCH UNDER OR 1/4 INCH OVER THE SPECIFIED WIDTH WILL BE ALLOWED FOR STRIPING PROVIDED THE VARIATION IS GRADUAL AND DOES NOT DETRACT FROM THE GENERAL APPEARANCE. BROKEN LINE SEGMENTS MAY VARY UP TO ONE-HALF FOOT FROM THE SPECIFIED LENGTHS PROVIDED THE OVER AND UNDER VARIATIONS ARE REASONABLY COMPENSATORY. ALIGNMENT DEVIATIONS FROM THE CONTROL GUIDE SHALL NOT EXCEED 1 INCH. MATERIAL SHALL NOT BE APPLIED OVER LONGITUDINAL JOINTS. ESTABLISHMENT OF APPLICATION TOLERANCES SHALL NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY TO COMPLY AS CLOSELY AS PRACTICABLE WITH THE PLANNED DIMENSIONS.

**MULTI COMPONENT (MULTI COMP):**

THE ROAD SURFACE SHALL BE CLEANED AT THE DIRECTION OF THE ENGINEER JUST PRIOR TO APPLICATION. PAVEMENT CLEANING SHALL CONSIST OF AT LEAST BRUSHING WITH A ROTARY BROOM (NON-METALLIC) OR AS RECOMMENDED BY THE MATERIAL MANUFACTURER AND ACCEPTABLE TO THE ENGINEER. NEW PORTLAND CEMENT CONCRETE SURFACES SHALL BE SANDBLAST CLEANED TO REMOVE ANY SURFACE TREATMENT AND/OR LANTANCE ON LOW SPEED (SPEED LIMIT 35 MPH OR LESS) URBAN PORTLAND CEMENT CONCRETE ROADWAYS. SANDBLAST CLEANING SHALL BE USED FOR ALL MULTI COMP PAVEMENT MARKINGS.

THE MULTI COMP MARKING APPLICATION SHALL IMMEDIATELY FOLLOW THE PAVEMENT CLEANING. GLASS BEADS SHALL BE APPLIED IMMEDIATELY AFTER APPLICATION OF THE MULTI COMP LINE TO PROVIDE AN IMMEDIATE NO-TRACK SYSTEM.

A MULTI COMP LINE SHALL BE APPLIED WITH A MINIMUM THICKNESS OF 2D MILS (WET) AND A MINIMUM WIDTH OF 4". GLASS BEADS SHALL BE APPLIED AT A MINIMUM RATE OF 25 LBS POUNDS PER GALLON. THE APPLICATION RATE SHALL BE SUFFICIENT TO ACHIEVE AN ACCEPTABLE NO-TRACK SYSTEM.

OPERATIONS SHALL BE CONDUCTED ONLY WHEN THE ROAD PAVEMENT SURFACE TEMPERATURES ARE 50 DEGREES FAHRENHEIT OR GREATER.

PERMANENT PAVEMENT MARKINGS SHALL NOT BE PLACED OVER TEMPORARY TAPE MARKINGS.

**PREFORMED THERMOPLASTIC:**

THE PREFORMED THERMOPLASTIC MARKINGS SHALL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS ON CLEAN AND DRY SURFACES. SEE SPECIAL PROVISIONS FOR PREFORMED THERMOPLASTIC MARKING SPECIFICATIONS.

**PAINT:**

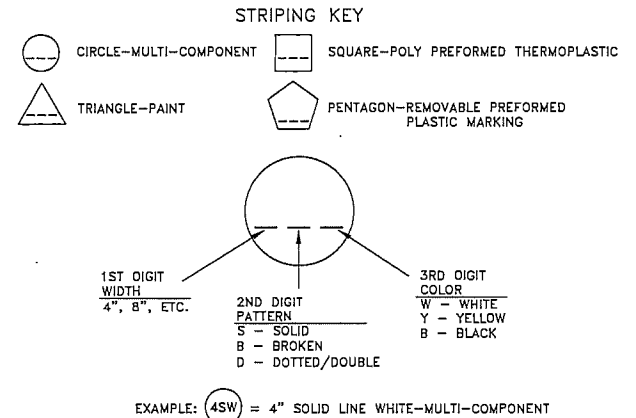
AT THE TIME OF APPLYING THE MARKING MATERIAL, THE APPLICATION AREA SHALL BE FREE OF CONTAMINATION. THE CONTRACTOR SHALL CLEAN THE ROADWAY SURFACE PRIOR TO THE LINE APPLICATION IN A MANNER AND TO THE EXTENT REQUIRED BY THE ENGINEER.

GLASS BEADS SHALL BE APPLIED IMMEDIATELY AFTER APPLICATION OF THE PAINT LINE.

EXCEPT WHEN USED AS A TEMPORARY MARKING, PAVEMENT MARKINGS SHALL ONLY BE APPLIED IN SEASONABLE WEATHER WHEN AIR TEMPERATURE IS 50 DEGREES FAHRENHEIT OR HIGHER AND SHALL NOT BE APPLIED WHEN THE WIND OR OTHER CONDITIONS CAUSE A FILM OR DUST TO BE DEPOSITED ON THE PAVEMENT SURFACE AFTER CLEANING AND BEFORE THE MARKING MATERIAL CAN BE APPLIED.

THE FILLING OF TANKS, POURING OF MATERIALS OR CLEANING OF EQUIPMENT SHALL NOT BE PERFORMED ON UNPROTECTED PAVEMENT SURFACES UNLESS ADEQUATE PROVISIONS ARE MADE TO PREVENT SPILLAGE OF MATERIAL.

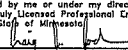
SIGN AREA SUMMARY								
SIGN NAME	SIGN NO.	COLOR	DIMENSIONS	AREA	203-106-003		197-110-003	
					QUANTITY	TOTAL	QUANTITY	TOTAL
SUMMARY OF SIGN PANELS TYPE C								
STOP	R1-1	WHITE ON RED	30 X 30	0.25	1	6.3	1	6.3
NO PARKING	R8-3	BLACK AND RED ON WHITE	24 X 24	4	7	28.0	7	28.0
TWO DIRECTION LARGE ARROW	W1-7	BLACK ON YELLOW	48 X 24	8	1	8.0		0.0
40 MPH	R2-1	BLACK ON WHITE	24 X 30	5	1	5.0	1	5.0
STOP AHEAD	W3-1	BLACK ON RED ON YELLOW	30 X 30	0.25	1	6.3		
SIGN PANELS TYPE C TOTALS (SQ FT)						53.6		39.3
SUMMARY OF SIGN SPECIAL								
FILLMORE STREET NE		WHITE ON GREEN	48 X 9	3	2	6.0		
181ST AVE NE		WHITE ON GREEN	48 X 9	3	2	6.0		
DEAD END		BLACK ON YELLOW	48 X 9	3	2	6.0		
SIGN SPECIAL TOTALS (SQ FT)						18.0		



As of 2022, 15:34:00, K:\PROJECTS\181ST AVENUE\181ST AVENUE\DETAILS.dwg

DATE	REVISION
4/1/22	STATE AID REVIEW
4/1/22	STATE AID REVIEW

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.

  
 CRAIG J. JOCHUM, P.E.  
 Date 3/25/22 Lic. No. 23461

DESIGN BY: C.J.J.  
 DRAWN BY: SGJ  
 CHECKED BY: TAE



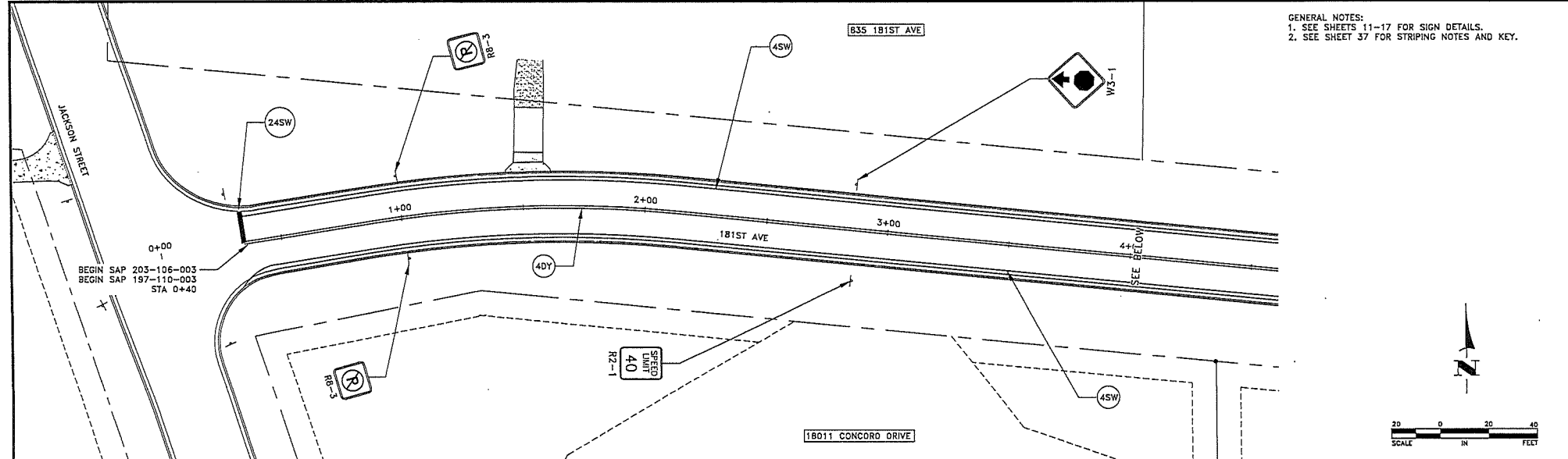
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181ST AVENUE RECONSTRUCTION PROJECT

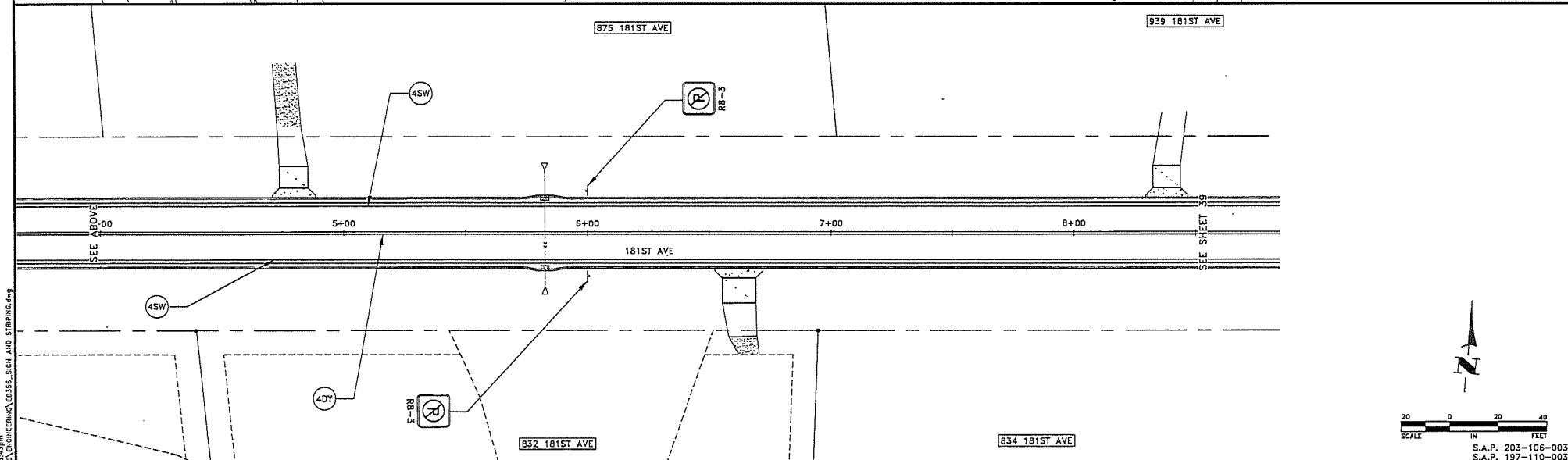
PAVEMENT MARKING NOTES, KEY,  
 AND TABULATION  
 CITIES OF EAST BETHEL AND HAM LAKE

SHEET 37  
 of 44  
 SHEETS

S.A.P. 203-106-003  
 S.A.P. 197-110-003



GENERAL NOTES:  
 1. SEE SHEETS 11-17 FOR SIGN DETAILS.  
 2. SEE SHEET 37 FOR STRIPING NOTES AND KEY.



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 CHECKED BY: SGJ  
 DRAWN BY: TAE



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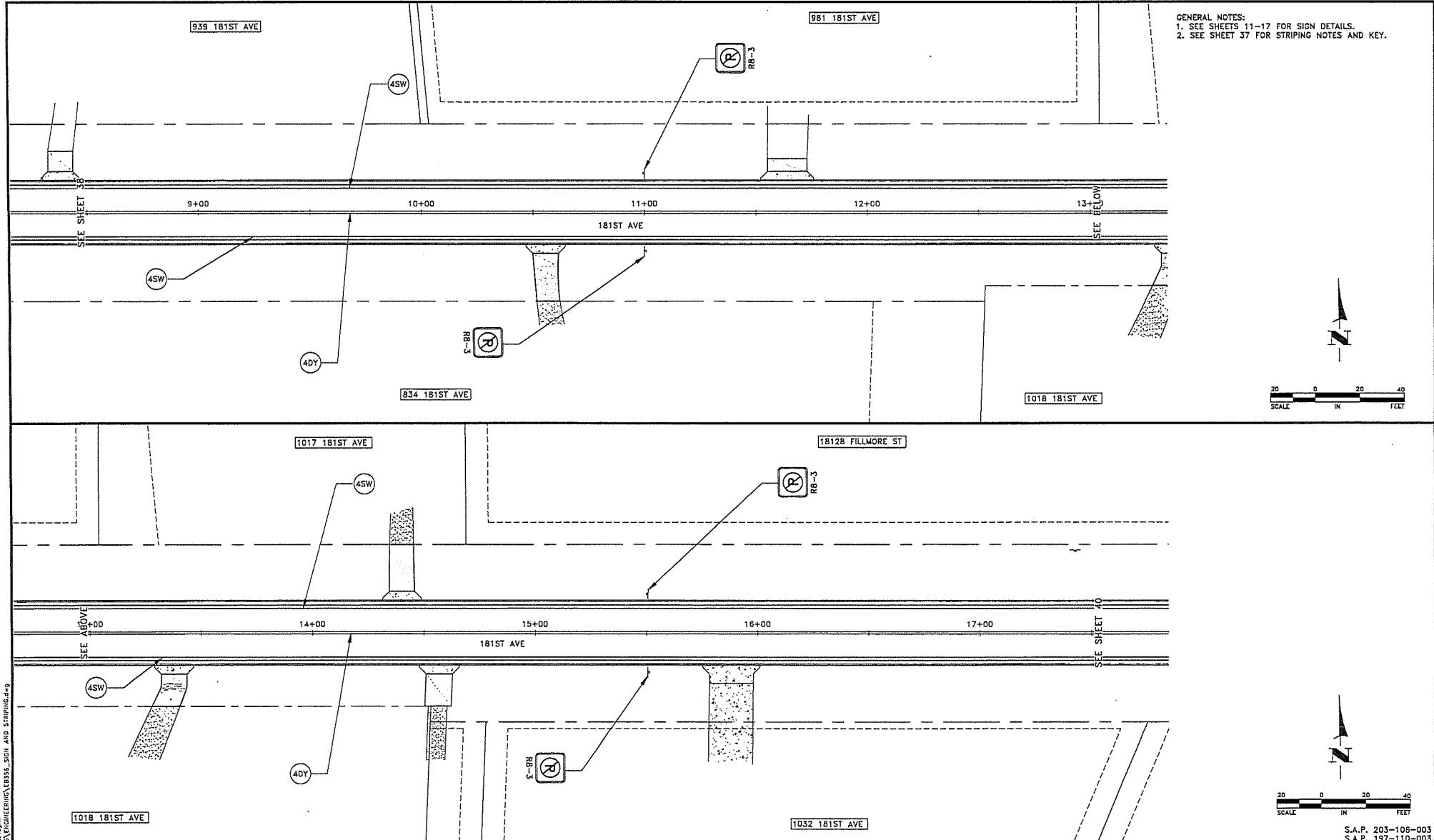
181ST AVENUE RECONSTRUCTION PROJECT

STRIPING AND SIGNAGE PLANS  
 181ST AVENUE NE  
 CITIES OF EAST BETHEL AND HAM LAKE

SHEET 38 OF 44  
 S.A.P. 203-106-003  
 S.A.P. 197-110-003

Apr. 02, 2022 - 8:45pm  
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GENERAL NOTES:  
 1. SEE SHEETS 11-17 FOR SIGN DETAILS.  
 2. SEE SHEET 37 FOR STRIPING NOTES AND KEY.

181ST AVE RECONSTRUCTION PROJECT - STRIPING AND SIGNAGE PLANS  
 181ST AVE RECONSTRUCTION PROJECT - STRIPING AND SIGNAGE PLANS

DATE	REVISION

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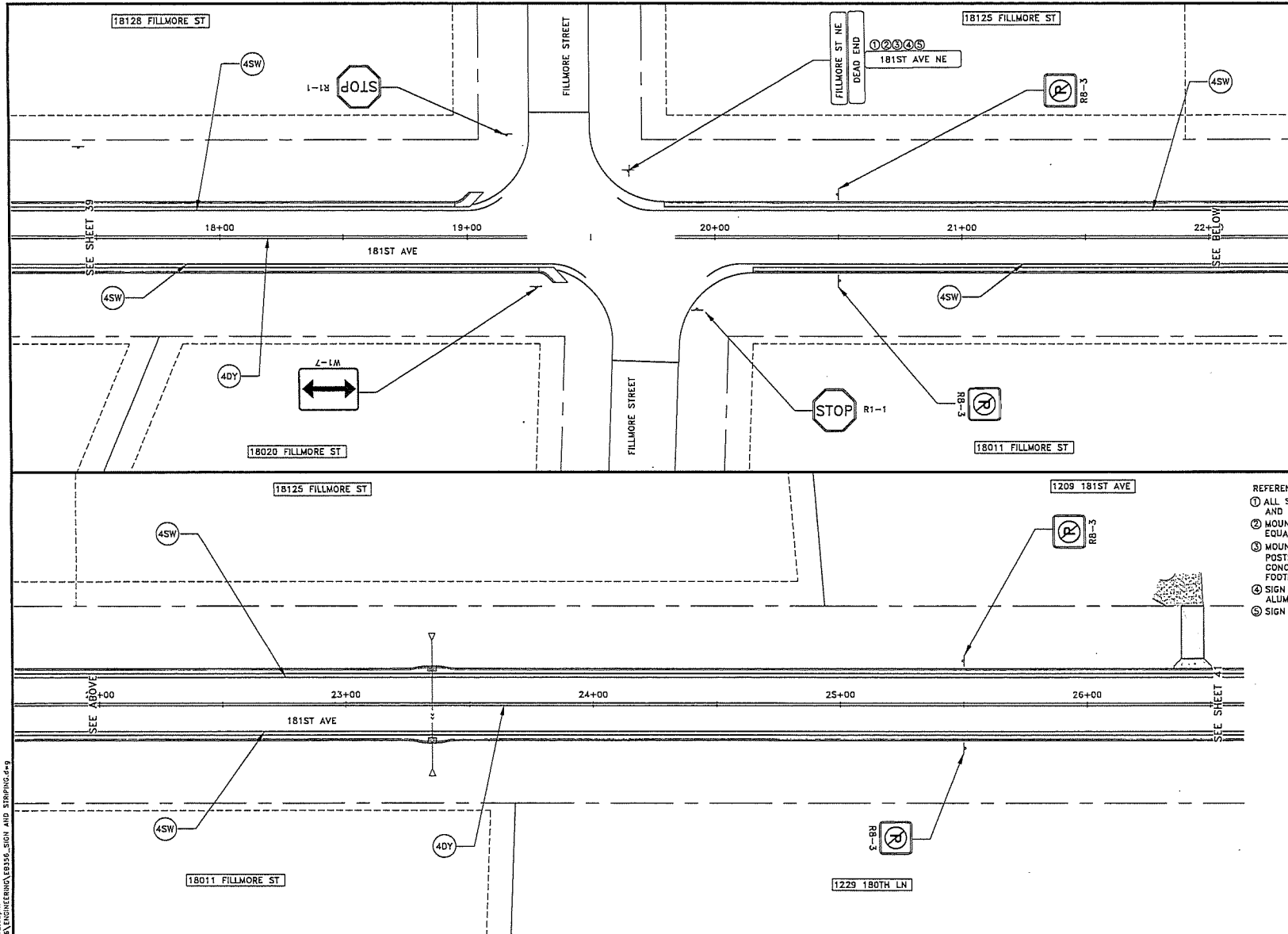
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181ST AVENUE RECONSTRUCTION PROJECT

STRIPING AND SIGNAGE PLANS  
 181ST AVENUE NE  
 CITIES OF EAST BETHEL AND HAM LAKE

S.A.P. 203-105-003  
 S.A.P. 197-110-003

SHEET 39 OF 44  
 SHEETS



GENERAL NOTES:  
 1. SEE SHEETS 111-117 FOR SIGN DETAILS.  
 2. SEE SHEET 37 FOR STRIPING NOTES AND KEY.

REFERENCE NOTES:  
 ① ALL STREET NAME SIGNS SHALL HAVE 6", SERIES "B" LETTERING AND NUMBERING.  
 ② MOUNTING BRACKETS SHALL BE E-450 FOURWAY BRACKET OR EQUAL.  
 ③ MOUNTING POSTS SHALL BE 2.5" O.D. BY 10' GALVANIZED TUBE. POSTS SHALL BE IMBEDDED IN A 12" DIAMETER BY 24" DEEP CONCRETE FOOTING. CONCRETE MIX 3Y43 SHALL BE USED FOR THE FOOTING.  
 ④ SIGN PLATES SHALL BE SINGLE FACED CONSTRUCTED OF 0.100 ALUMINUM TYPE "X" SHEETING.  
 ⑤ SIGN SHALL BE PAID PER ITEM 2564-SIGN SPECIAL

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DATE	REVISION
4/27/22	STAT. AD. REVIEW

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 Date 3/25/22

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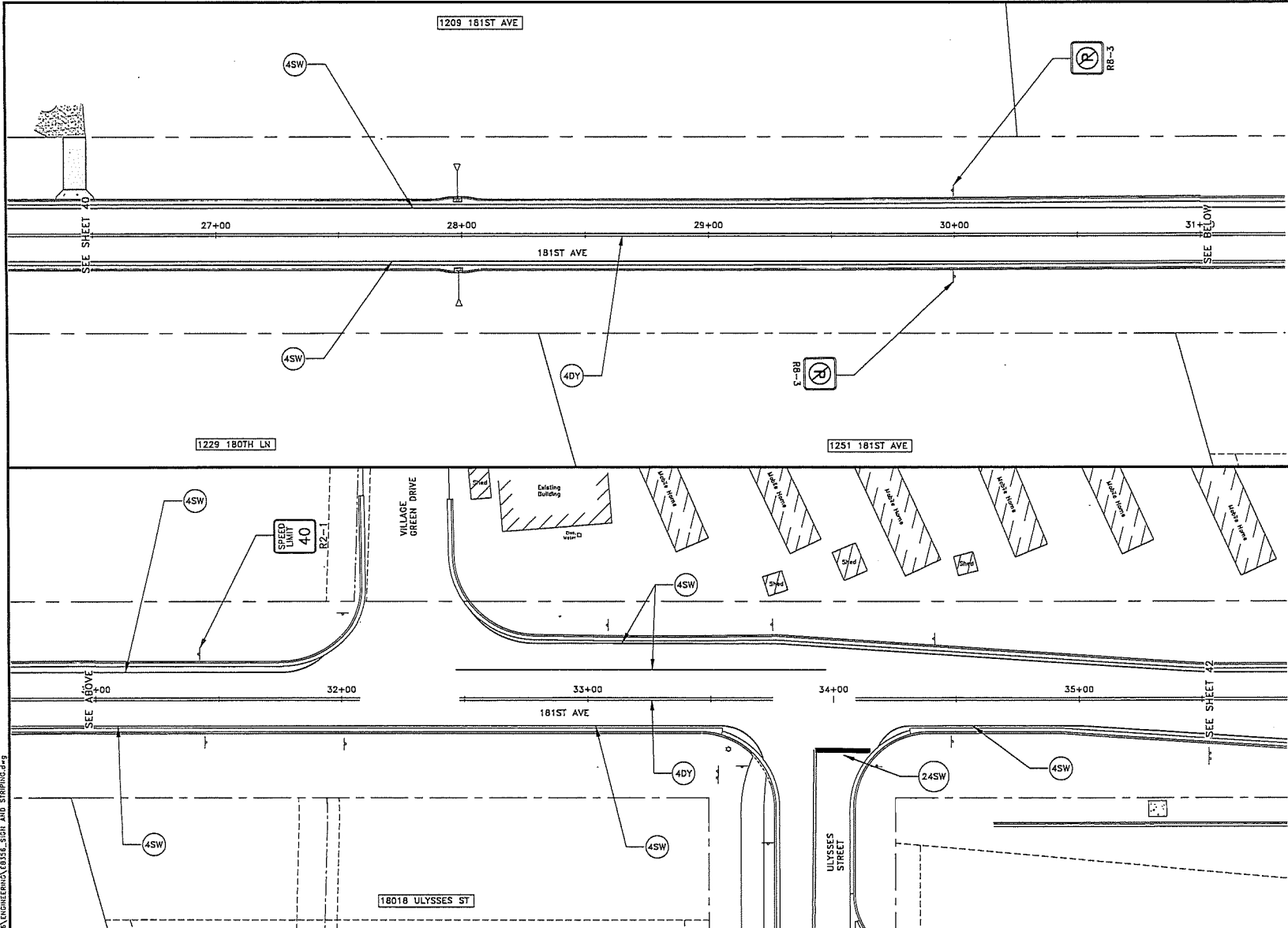
181ST AVENUE RECONSTRUCTION PROJECT

STRIPING AND SIGNAGE PLANS  
 181ST AVENUE NE  
 CITIES OF EAST BETHEL AND HAM LAKE

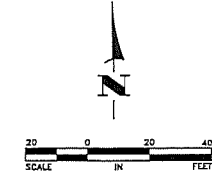
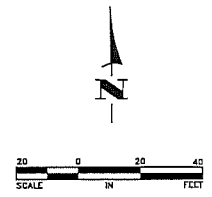
S.A.P. 203-105-003  
 S.A.P. 197-110-003

SHEET 40 OF 44 SHEETS

EB356



GENERAL NOTES:  
 1. SEE SHEETS 11-17 FOR SIGN DETAILS.  
 2. SEE SHEET 37 FOR STRIPING NOTES AND KEY.



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 Lic. No. 23461  
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181ST AVENUE RECONSTRUCTION PROJECT

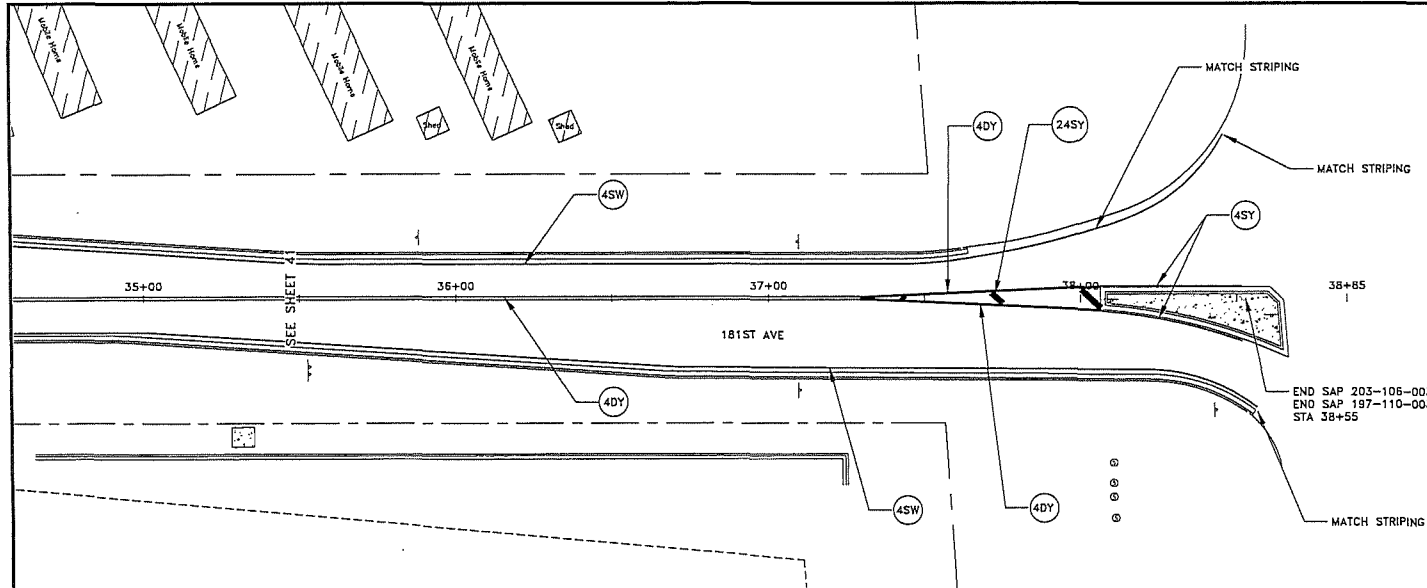
STRIPING AND SIGNAGE PLANS  
 181ST AVENUE NE  
 CITIES OF EAST BETHEL AND HAM LAKE

S.A.P. 203-105-003

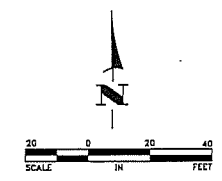
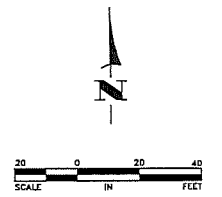
S.A.P. 197-110-003

SHEET 41 OF 44  
 44 SHEETS

EB356



GENERAL NOTES:  
 1. SEE SHEETS 11-17 FOR SIGN DETAILS.  
 2. SEE SHEET 37 FOR STRIPING NOTES AND KEY.



197-110-003 - 181st  
 181ST AVENUE RECONSTRUCTION STRIPING AND STRIPING PLAN

DATE	REVISION

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*Graig J. Jochem*  
 GRAIG J. JOCHUM, P.E.  
 Date 3/25/22 Lic. No. 23461

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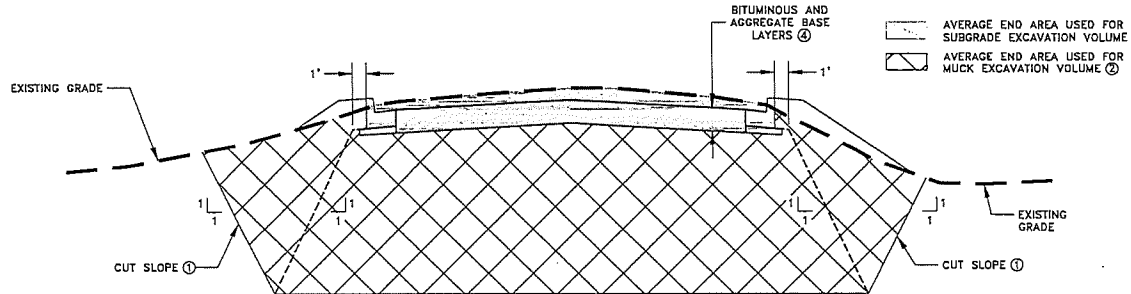
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181ST AVENUE RECONSTRUCTION PROJECT

STRIPING AND SIGNAGE PLANS  
 181ST AVENUE NE  
 CITIES OF EAST BETHEL AND HAM LAKE

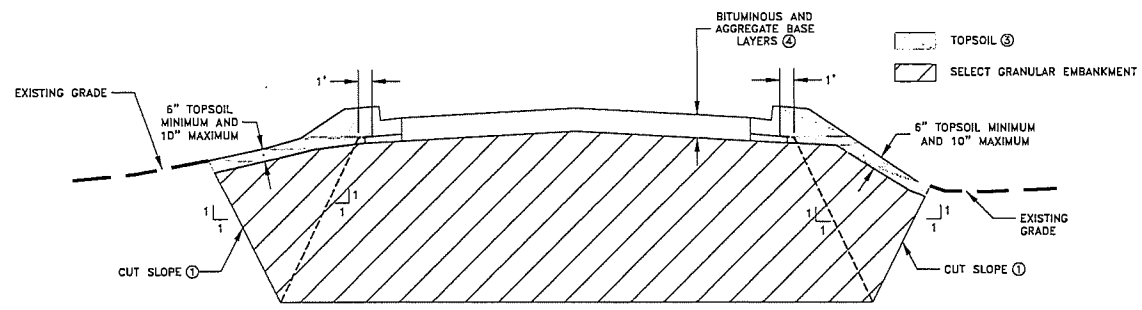
S.A.P. 203-106-003  
 S.A.P. 197-110-003  
 SHEET 42 OF 44  
 SHEETS 44

EB356



1 TYPICAL MUCK EXCAVATION SECTION  
43 N.T.S.

REFERENCE NOTES:  
 ① A 1V:1H CUT SLOPE WILL BE USED FOR THE QUANTITY CALCULATIONS. IF CONTRACTOR NEEDS TO ENTER THE TRENCH CONTRACTOR SHALL PROVIDE A SAFE CUT SLOPE PER OSHA REQUIREMENTS.  
 ② SEE CROSS SECTIONS FOR ADDITIONAL INFORMATION.  
 ③ CONTRACTOR SHALL USE ON SITE TOPSOIL AND MUCK SOILS FOR TOPSOIL DRESSING AS DIRECTED BY THE ENGINEER. PLACEMENT OF TOPSOIL SHALL BE INCIDENTAL.  
 ④ SEE SHEET 4 FOR TYPICAL SECTIONS.



2 TYPICAL FILL SECTION IN MUCK AREAS  
43 N.T.S.

03-2022 - 8.46.21  
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DATE	REVISION

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*Craig J. Jochem*  
 CRAIG J. JOCHUM, P.E.  
 Lic. No. 23461  
 Date 3/25/22

CHECKED BY: CJJ  
 DRAWN BY: SGJ  
 DESIGNED BY: TAE

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181ST AVENUE RECONSTRUCTION PROJECT

EXCAVATION AND FILL DETAILS  
 AND NOTES  
 CITIES OF EAST BETHEL AND HAM LAKE

S.A.P. 203-105-003  
 S.A.P. 197-110-003

SHEET 43  
 OF 44  
 SHEETS

EB356

SUBGRADE EXCAVATION SUMMARY

Total Volume Table							
Station	Cut Area	Fill Area	Cut Vol	Fill Vol	Cum Cut Vol	Cum Fill Vol	Net Vol
0+00.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0+50.00	33.83	1.83	31.33	1.70	31.33	1.70	29.63
1+00.00	35.57	3.33	64.23	4.82	95.55	6.52	89.04
1+50.00	28.59	0.02	59.32	3.22	154.88	9.73	145.15
2+00.00	28.77	7.58	53.15	6.88	208.03	16.71	191.32
2+50.00	33.71	9.11	57.85	15.38	265.88	32.09	233.79
3+00.00	29.37	6.82	58.41	14.75	324.29	46.84	277.45
3+50.00	31.28	7.18	56.14	12.96	380.43	59.80	320.62
4+00.00	33.42	12.78	59.89	18.48	440.32	78.28	362.03
4+50.00	36.38	12.66	64.63	23.56	504.94	101.64	403.10
4+77.61	33.60	3.99	35.78	8.51	540.72	110.35	430.37
5+00.00	36.85	20.02	29.21	9.95	569.93	120.31	449.63
5+50.00	38.63	14.27	69.89	31.75	639.83	152.05	487.77
6+00.00	36.89	11.70	69.83	24.04	709.75	176.10	533.66
6+50.00	39.62	9.77	70.84	19.89	780.60	195.97	584.62
6+62.10	39.57	7.88	17.74	3.95	798.34	199.93	598.41
7+00.00	41.41	20.91	58.84	20.21	855.18	220.14	635.04
7+50.00	41.10	21.69	76.40	39.44	931.58	259.59	672.00
8+00.00	41.91	20.30	76.86	38.98	1008.44	298.46	709.98
8+39.59	38.75	10.79	59.14	22.79	1067.57	321.25	746.32
8+50.00	41.28	12.43	15.43	4.48	1083.00	325.72	757.27
8+00.00	34.09	27.20	69.76	36.69	1152.76	362.42	790.34
8+50.00	23.04	32.92	52.90	56.68	1205.65	418.08	787.57
10+00.00	22.29	30.73	41.98	58.94	1247.63	477.02	770.61
10+50.00	19.52	13.92	38.72	41.34	1286.35	518.36	767.99
10+57.41	21.86	13.24	5.88	3.73	1292.03	522.09	769.94
11+00.00	17.82	6.69	31.29	15.72	1323.32	537.81	785.51
11+50.00	20.67	1.47	35.64	7.56	1358.97	545.37	813.60
11+62.47	20.90	0.19	9.60	0.38	1368.57	545.75	822.82
12+00.00	23.39	1.03	30.78	0.85	1399.35	546.60	852.75
12+50.00	31.61	0.71	30.93	1.62	1450.27	548.22	902.08
13+00.00	36.13	0.00	62.72	0.67	1513.00	548.88	964.12
13+35.97	44.60	0.25	53.91	0.17	1566.91	549.05	1017.86
13+50.00	50.46	0.00	24.75	0.07	1591.66	549.12	1042.54
14+00.00	51.55	0.00	94.45	0.00	1686.12	549.12	1137.00
14+40.98	50.52	0.00	77.47	0.00	1763.58	549.12	1214.46
14+50.00	48.07	0.08	16.46	0.01	1780.05	549.14	1230.91
14+56.68	49.12	1.09	12.53	0.15	1792.58	549.29	1243.29
15+00.00	39.83	2.70	70.89	3.02	1863.47	552.31	1311.16
15+50.00	35.05	6.53	69.34	8.54	1932.81	560.85	1371.96
15+89.29	36.81	2.87	52.29	6.84	1985.10	567.69	1417.41
16+00.00	34.79	5.93	14.19	1.75	1999.29	569.43	1429.86
16+50.00	27.51	18.00	57.68	22.15	2056.98	591.59	1465.39
17+00.00	25.95	20.89	49.51	38.01	2106.49	627.60	1478.89
17+50.00	27.32	19.10	49.33	37.03	2155.82	664.63	1491.19
18+00.00	34.05	14.90	56.83	31.48	2212.65	696.10	1516.55
18+50.00	38.87	11.48	67.52	24.43	2280.17	720.53	1559.64
19+00.00	33.51	12.09	67.01	21.83	2347.18	742.35	1604.83
19+38.80	17.32	5.70	36.52	12.78	2383.70	755.13	1628.57
19+50.00	14.70	0.17	6.64	1.22	2390.34	756.35	1633.99
19+70.72	34.88	2.89	19.02	1.17	2409.36	757.52	1651.84
20+00.00	50.49	3.69	46.29	3.57	2455.65	761.09	1694.56
20+50.00	57.88	7.98	100.34	10.81	2555.99	771.90	1784.09
21+00.00	44.67	8.35	94.95	15.12	2650.94	787.03	1863.91
21+50.00	40.79	1.10	79.12	8.75	2730.06	795.77	1934.29


Total Volume Table							
Station	Cut Area	Fill Area	Cut Vol	Fill Vol	Cum Cut Vol	Cum Fill Vol	Net Vol
22+00.00	44.07	0.37	78.57	1.36	2808.64	797.13	2011.51
22+50.00	44.79	0.16	82.28	0.49	2890.91	797.62	2093.29
23+00.00	43.47	0.27	81.71	0.39	2972.63	798.02	2174.61
23+50.00	38.51	1.66	75.90	1.78	3048.53	799.80	2248.73
24+00.00	40.42	3.38	73.09	4.65	3121.62	804.47	2317.15
24+50.00	40.91	3.47	75.30	6.34	3196.92	810.80	2386.12
25+00.00	41.61	4.23	76.41	7.12	3273.33	817.93	2455.41
25+50.00	42.19	9.14	77.59	12.38	3350.92	830.30	2520.62
26+00.00	42.09	6.44	78.03	14.42	3428.96	844.73	2584.23
28+43.66	44.06	5.08	69.65	9.29	3498.61	854.02	2644.58
28+50.00	42.75	5.41	110.19	1.23	3508.80	855.25	2653.55
27+00.00	48.41	3.61	84.41	8.35	3593.21	863.60	2729.61
27+50.00	57.93	7.92	98.47	10.67	3691.68	874.27	2817.40
28+00.00	64.50	0.00	113.36	7.33	3805.04	881.61	2923.43
28+50.00	60.97	0.01	116.18	0.01	3921.22	881.62	3038.60
29+00.00	53.05	1.03	105.57	0.97	4026.79	882.58	3144.21
29+50.00	51.02	2.57	96.36	3.34	4123.15	885.92	3237.23
30+00.00	50.32	7.08	93.83	8.94	4216.98	894.85	3322.13
30+50.00	49.02	19.38	91.98	24.50	4308.96	919.35	3389.61
31+00.00	33.78	10.62	76.67	27.96	4385.63	947.31	3438.32
31+50.00	0.00	0.00	31.28	10.02	4416.91	957.33	3459.58
32+00.00	0.00	0.00	0.00	0.00	4416.91	957.33	3459.58
32+50.00	0.00	0.00	0.00	0.00	4416.91	957.33	3459.58
33+00.00	0.00	0.00	0.00	0.00	4416.91	957.33	3459.58
33+50.00	0.00	0.00	0.00	0.00	4416.91	957.33	3459.58
34+00.00	0.00	0.00	0.00	0.00	4416.91	957.33	3459.58
34+50.00	0.00	0.00	0.00	0.00	4416.91	957.33	3459.58
35+00.00	0.00	0.00	0.00	0.00	4416.91	957.33	3459.58
35+50.00	0.00	0.00	0.00	0.00	4416.91	957.33	3459.58
36+00.00	0.00	0.00	0.00	0.00	4416.91	957.33	3459.58
36+50.00	0.00	0.00	0.00	0.00	4416.91	957.33	3459.58
37+00.00	0.00	0.00	0.00	0.00	4416.91	957.33	3459.58
37+50.00	0.00	0.00	0.00	0.00	4416.91	957.33	3459.58
38+00.00	0.00	0.00	0.00	0.00	4416.91	957.33	3459.58
38+50.00	0.00	0.00	0.00	0.00	4416.91	957.33	3459.58
38+85.48	0.00	0.00	0.00	0.00	4416.91	957.33	3459.58

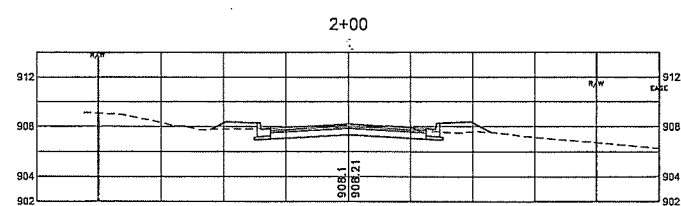
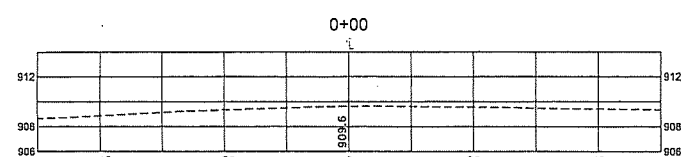
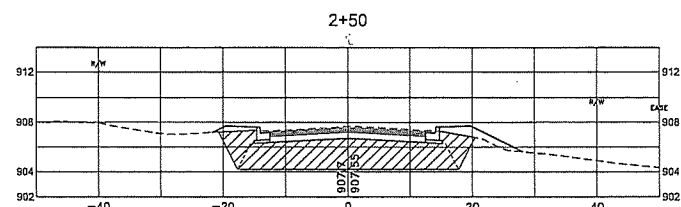
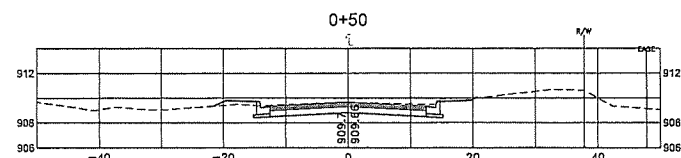
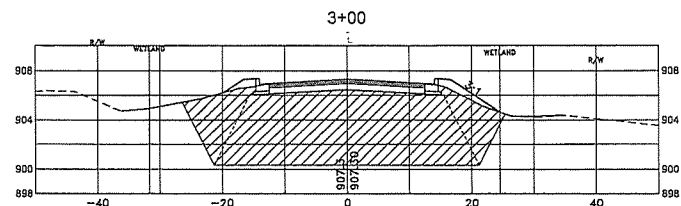
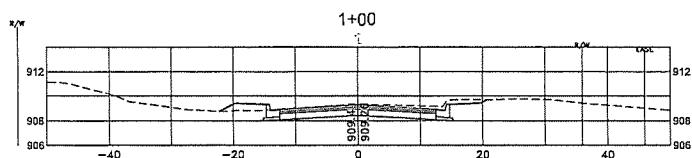
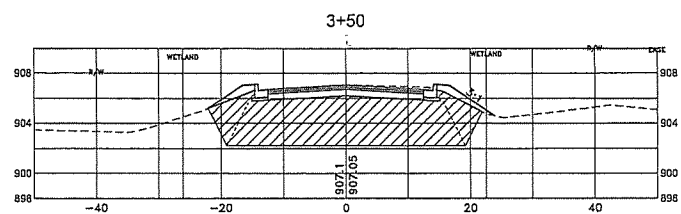
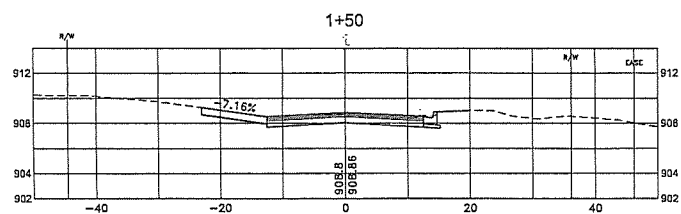
MUCK EXCAVATION SUMMARY

STATION	AREAS Square Feet		VOLUMES Cubic Yards		CUMULATIVE VOLUMES Cubic Yards	
	CUT	FILL	CUT	FILL	CUT	FILL
2+00	0.00	0.00				
2+50	95.06	0.00	88.02	0.00	88.02	0.00
3+00	277.30	0.00	344.78	0.00	432.80	0.00
3+50	156.66	0.00	402.00	0.00	834.80	0.00
4+00	274.40	0.00	599.31	0.00	1234.11	0.00
4+50	272.76	0.00	506.63	0.00	1740.74	0.00
4+77.61	201.28	0.00	242.37	0.00	1983.12	0.00
5+00	134.96	0.00	139.42	0.00	2122.53	0.00
5+50	136.02	0.00	250.91	0.00	2373.44	0.00
6+00	137.58	0.00	253.33	0.00	2626.77	0.00
6+50	140.16	0.00	257.17	0.00	2883.94	0.00
6+62.10	136.44	0.00	61.98	0.00	2945.92	0.00
7+00	137.04	0.00	192.36	0.00	3138.28	0.00
7+50	0.00	0.00	127.44	0.00	3265.73	0.00
15+00	0.00	0.00	0.00	0.00	3265.73	0.00
15+50	148.69	0.00	137.68	0.00	3403.40	0.00
17+00	151.26	0.00	277.73	0.00	3681.13	0.00
17+50	148.86	0.00	276.81	0.00	3959.95	0.00
18+00	147.35	0.00	276.19	0.00	4235.14	0.00
18+50	145.35	0.00	271.02	0.00	4506.16	0.00
19+00	144.28	0.00	288.18	0.00	4774.34	0.00
19+38.80	140.14	0.00	208.67	0.00	4983.01	0.00
19+50	201.58	0.00	72.12	0.00	5055.13	0.00
19+70.72	136.62	0.00	128.77	0.00	5184.90	0.00
20+00	136.93	0.00	148.32	0.00	5333.22	0.00
20+50	132.59	0.00	249.47	0.00	5582.69	0.00
21+00	132.68	0.00	245.52	0.00	5828.21	0.00
21+50	117.18	0.00	231.33	0.00	6059.55	0.00
22+00	129.21	0.00	228.14	0.00	6287.68	0.00
22+50	0.00	0.00	119.64	0.00	6407.32	0.00
23+00	0.00	0.00	0.00	0.00	6407.32	0.00
23+50	212.12	0.00	196.41	0.00	6603.73	0.00
24+00	26.84	0.00	221.26	0.00	6824.99	0.00
24+50	26.53	0.00	49.42	0.00	6874.41	0.00
25+00	26.48	0.00	48.08	0.00	6923.49	0.00
25+50	26.93	0.00	49.45	0.00	6972.94	0.00
26+00	26.69	0.00	49.84	0.00	7022.58	0.00
26+50	27.24	0.00	49.03	0.00	7072.51	0.00
27+00	28.20	0.00	51.33	0.00	7123.84	0.00
27+50	28.68	0.00	53.67	0.00	7177.42	0.00
28+00	30.94	0.00	56.11	0.00	7233.53	0.00
28+50	30.50	0.00	56.89	0.00	7290.42	0.00
29+00	28.31	0.00	54.45	0.00	7344.87	0.00
29+50	27.63	0.00	51.80	0.00	7396.67	0.00
30+00	27.62	0.00	51.16	0.00	7447.82	0.00
30+50	28.58	0.00	52.04	0.00	7499.86	0.00
31+00	28.73	0.00	53.89	0.00	7553.75	0.00
31+50	0.00	0.00	27.53	0.00	7581.28	0.00

SUMMARY OF SUBGRADE EXCAVATION  
 TOTAL

LEGEND

 MUCK EXCAVATION



Apr. 07, 2022 - 8:45pm  
C:\Users\PAUL\Documents\181ST AVE\181ST AVE.dwg

DATE	REVISION

DRAWN BY:	CJJ
CHECKED BY:	SGJ
DATE:	TAC



**Hakanson Anderson**  
Civil Engineers and Land Surveyors  
3601 Thurston Ave., Anoka, Minnesota 55303  
763-427-5860 FAX 763-427-0520  
www.hakanson-anderson.com

181ST AVENUE RECONSTRUCTION PROJECT

CROSS SECTIONS  
181ST AVENUE NE  
CITIES OF EAST BETHEL AND HAM LAKE


S.A.P. 203-106-003  
S.A.P. 197-110-003

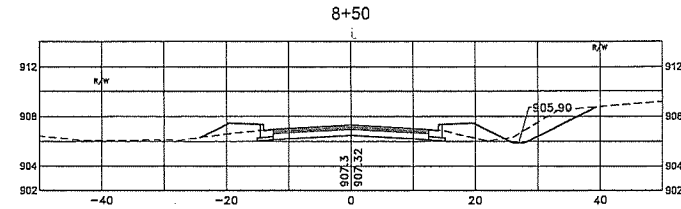
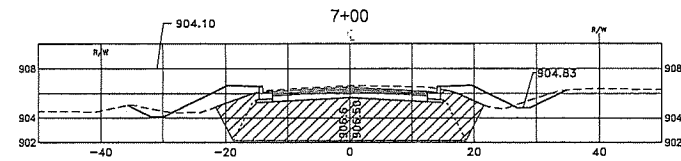
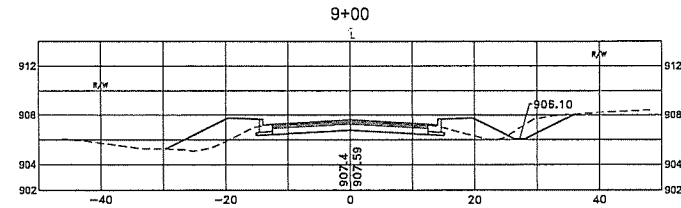
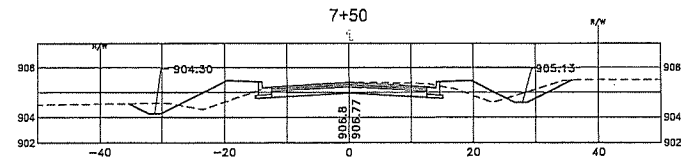
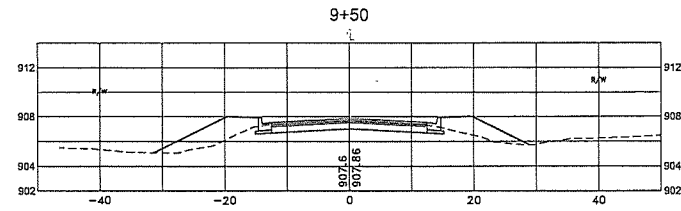
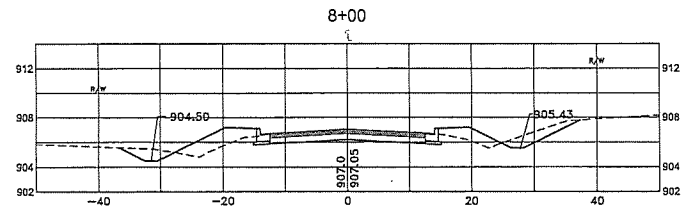
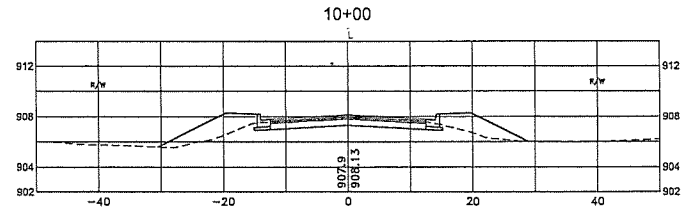
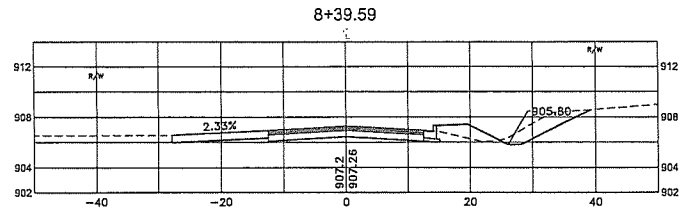
SHEET  
X1  
OF  
X10  
SHEETS





LEGEND

 MUCK EXCAVATION



Apr. 02, 2022 - 8:48pm  
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DATE	REVISION

DRAWN BY:	CJJ
CHECKED BY:	SGJ
DATE:	TAE



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Civil Engineers and Land Surveyors  
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181ST AVENUE RECONSTRUCTION PROJECT

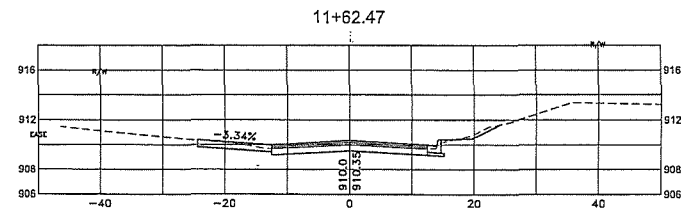
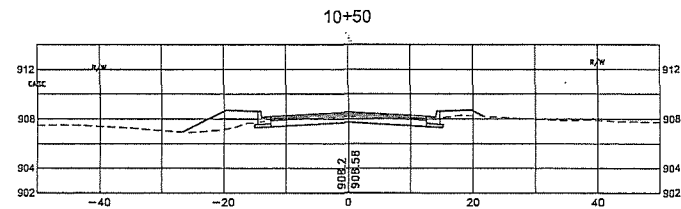
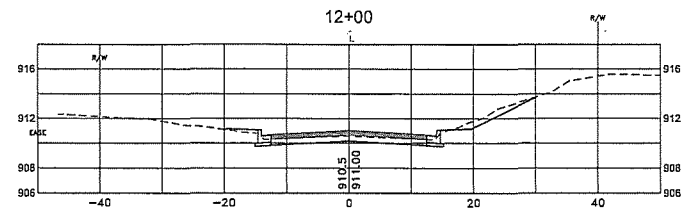
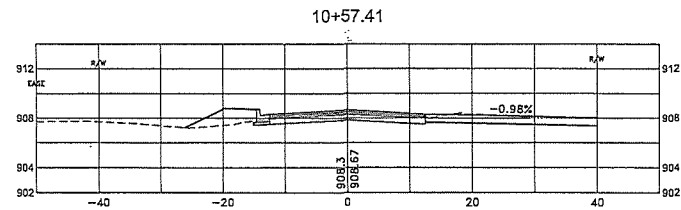
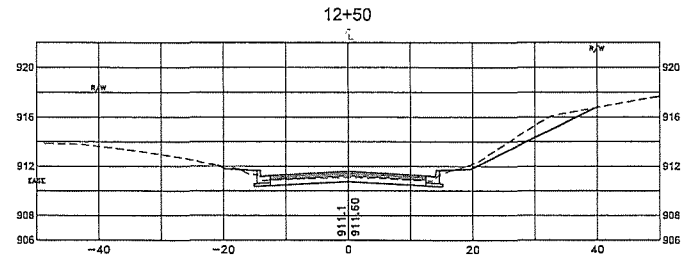
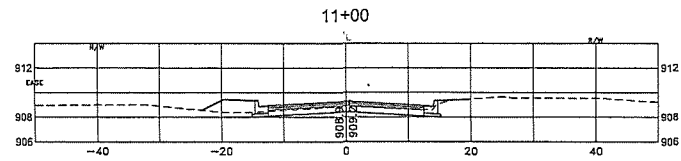
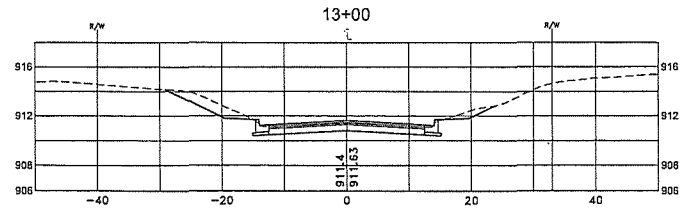
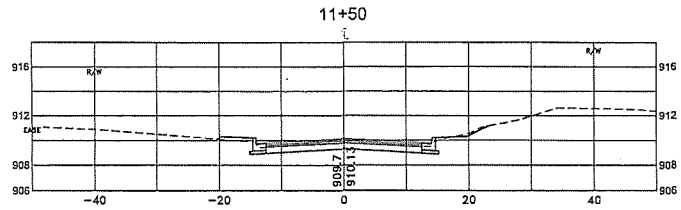
CROSS SECTIONS  
181ST AVE NE  
CITIES OF EAST BETHEL AND HAM LAKE

S.A.P. 203-106-003  
S.A.P. 197-110-003  
SHEET  
X3  
OF  
X10  
SHEETS

LEGEND



MUCK EXCAVATION



Apr 02, 2022 - 8:46pm  
K:\PROJECTS\181ST AVE\181ST AVE\181ST AVE.dwg

DATE	REVISION

DRAWN BY:	CJJ
CHECKED BY:	SGJ
DATE:	TAE




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 763-427-5860 FAX 763-427-0520  
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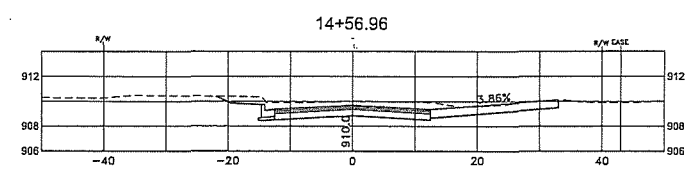
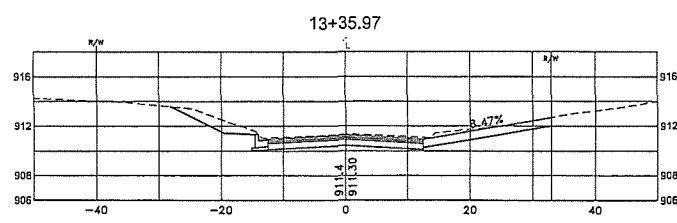
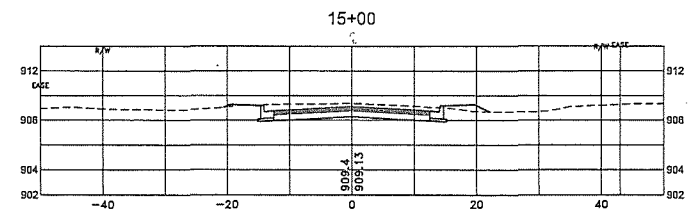
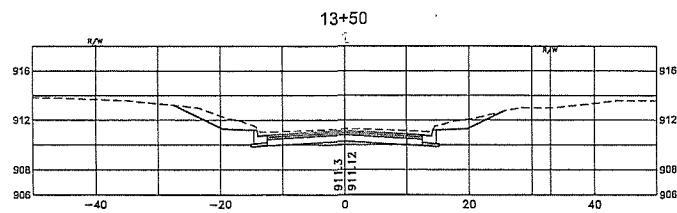
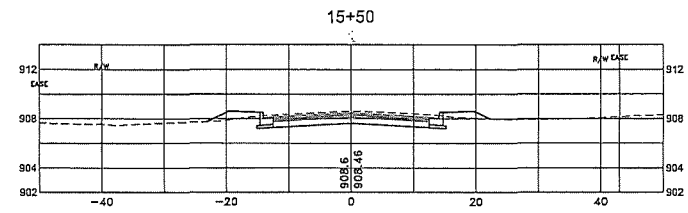
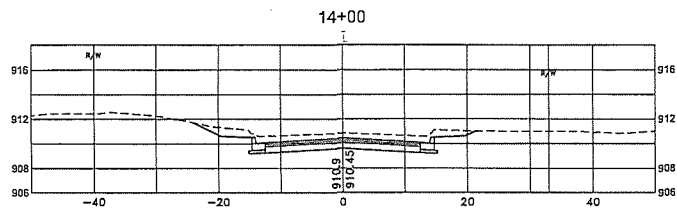
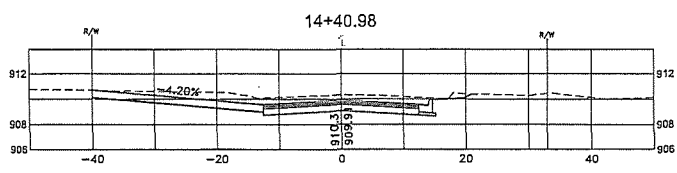
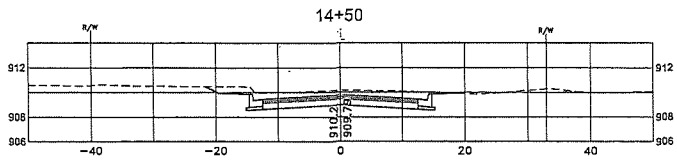
181ST AVENUE RECONSTRUCTION PROJECT

CROSS SECTIONS  
 181ST AVE NE  
 CITIES OF EAST BETHEL AND HAM LAKE

SHEET  
 X4  
 OF  
 X10  
 SHEETS

S.A.P. 203-106-003  
 S.A.P. 197-110-003

LEGEND  
 MUCK EXCAVATION



Apr 02, 2022 - 8:46pm  
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DATE	REVISION
4/1/22	ADD DRIVEWAY SLOPE

DESIGNED BY	TAC
CHECKED BY	
DRAWN BY	SGJ
IN CHARGE	CJJ



**Hakanson Anderson**  
 Civil Engineers and Land Surveyors  
 3601 Thurston Ave., Anoka, Minnesota 55303  
 763-427-5960 FAX 763-427-0520  
 www.hakanson-anderson.com

**181ST AVENUE RECONSTRUCTION PROJECT**

**CROSS SECTIONS**  
 181ST AVE NE  
 CITIES OF EAST BETHEL AND HAM LAKE

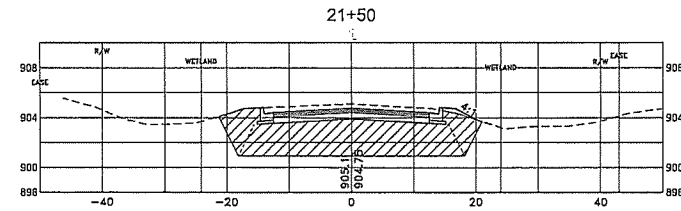
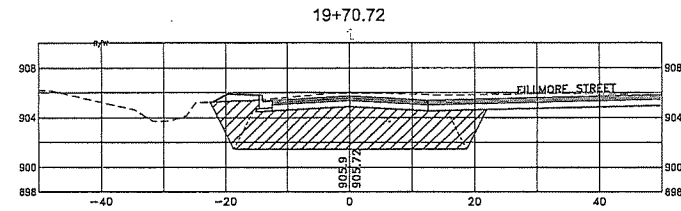
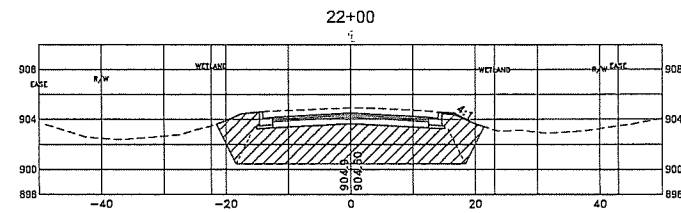
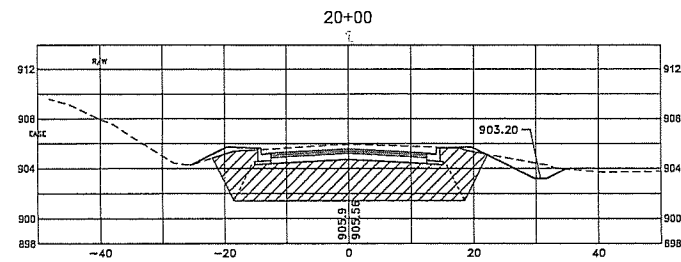
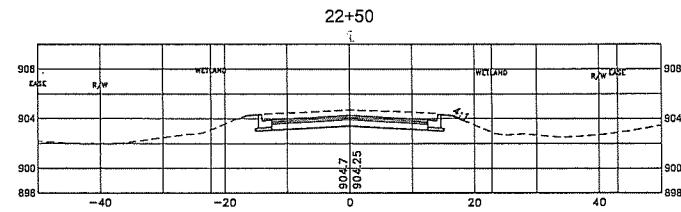
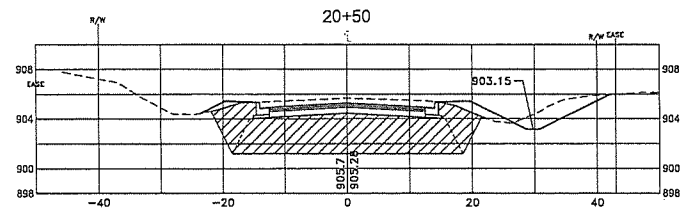
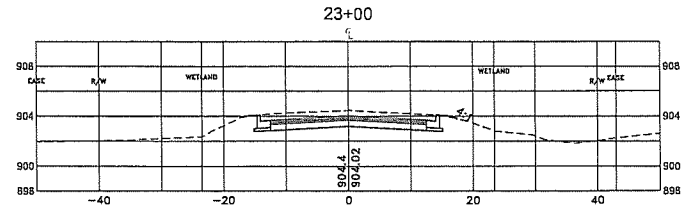
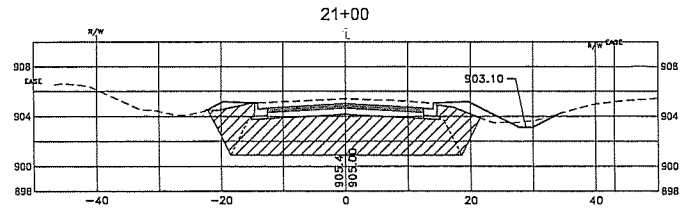
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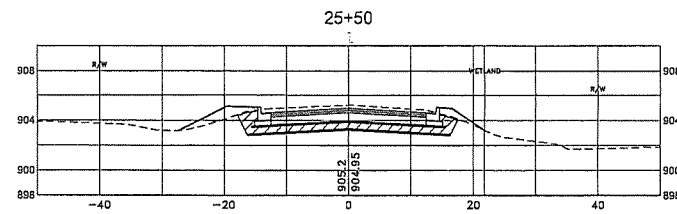
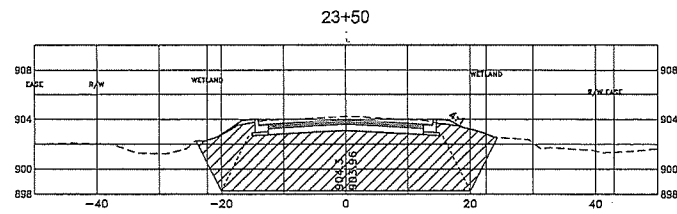
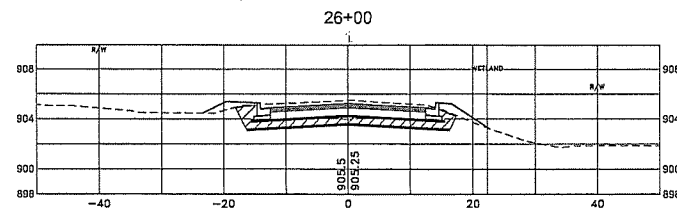
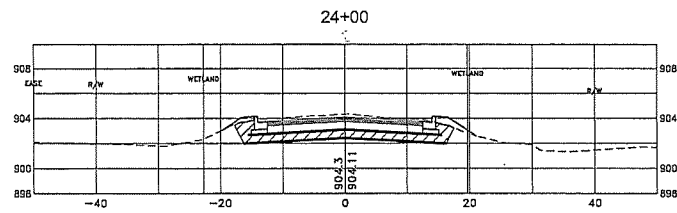
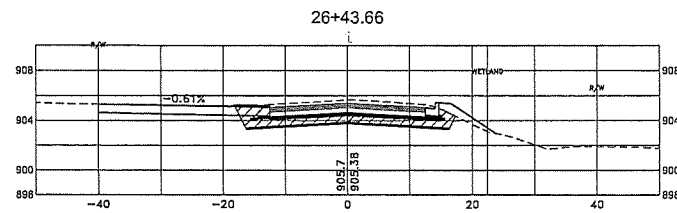
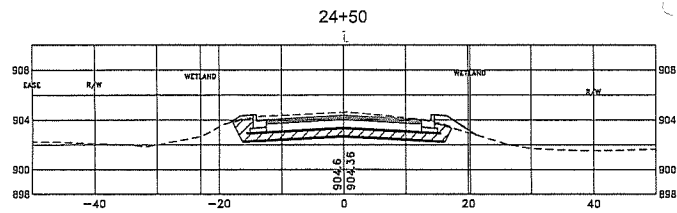
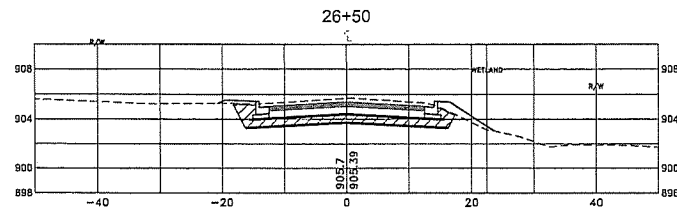
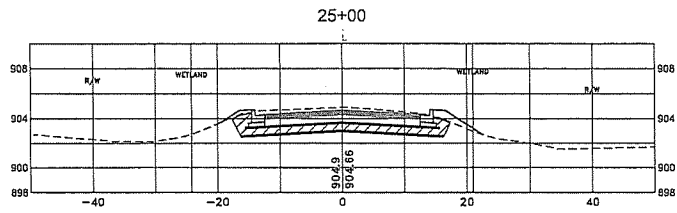
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181ST AVENUE RECONSTRUCTION PROJECT


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CITIES OF EAST BETHEL AND HAM LAKE

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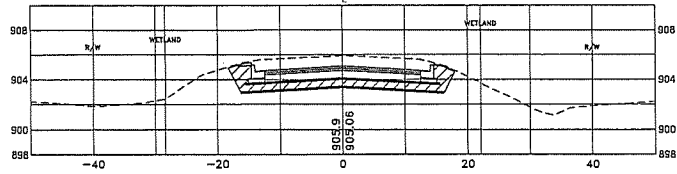
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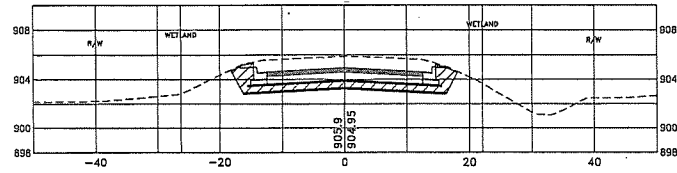
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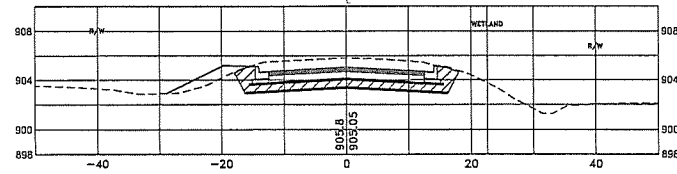
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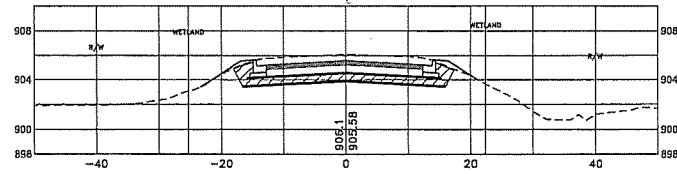
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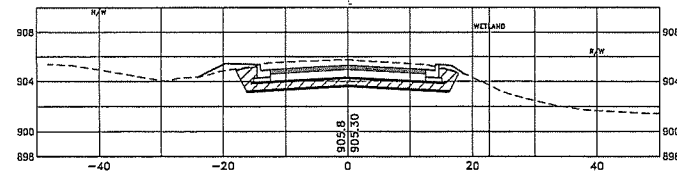
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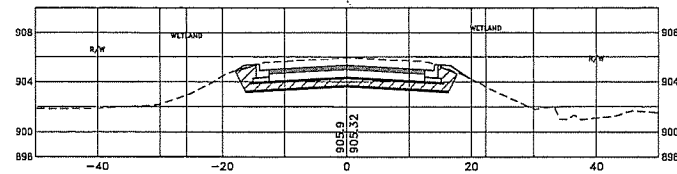
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CHECKED BY:	SGJ
DATE PLOTTED:	TAE



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CITIES OF EAST BETHEL AND HAM LAKE

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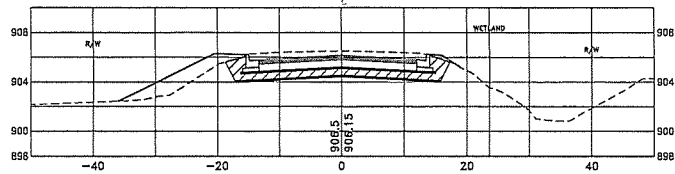
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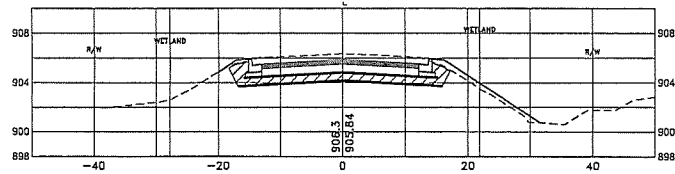


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181ST AVENUE RECONSTRUCTION PROJECT

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 CITIES OF EAST BETHEL AND HAM LAKE

S.A.P. 205-106-003  
 S.A.P. 197-110-003

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## Memorandum

Date: April 14, 2022  
To: Mayor and Councilmembers  
From: Tom Collins, City Engineer *TPC*  
Subject: 2022 Bituminous Overlay Project

---

**Introduction:**

Bids were opened on April 13<sup>th</sup> for the scheduled bituminous overlay project. The project consists of the overlay of the residential subdivisions of Concord Woods, Fox Tail Ridge, Livgard Addition, North Pines 3<sup>rd</sup> Addition and Trails End Shores, along with 173<sup>rd</sup> Avenue from Polk Street to 1,337 feet west and MSA Polk Street from 173<sup>rd</sup> Avenue to Crosstown Boulevard.

**Discussion:**

Six bids were received and are shown in the attached breakdown. The bids ranged between \$358,798.50 and \$440,056.62, with an average bid of \$393,796.31. The low bidder was Valley Paving Inc. The Engineer's construction cost estimate was \$349,725.15.

**Recommendation:**

It is recommended to adopt the attached Resolution awarding the contract to Valley Paving Inc in the amount of \$358,798.50 for the bituminous overlay project.

RESOLUTION NO. 22-XX

WHEREAS, pursuant to an advertisement for bids for the 2022 Bituminous Overlay Project, bids were received, opened and tabulated according to law, and the following bids were received complying with the advertisement:

Valley Paving	\$ 358,798.50
Park Construction Company	\$ 374,539.35
Asphalt Surface Technologies	\$ 385,156.04
Bituminous Roadways, Inc.	\$ 399,990.00
North Valley, Inc.	\$ 404,237.36
Omann Contracting	\$ 440,056.62

AND WHEREAS, it appears that Valley Paving, of Shakopee, Minnesota is the lowest responsible bidder;

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF HAM LAKE, MINNESOTA:

1. That the Mayor and Clerk are hereby authorized and directed to enter into a contract with Valley Paving, of Shakopee, Minnesota in the name of the City of Ham Lake for the 2022 Bituminous Overlay Project, according to the plans and specifications therefore approved by the City Council and on file in the office of the City Clerk.
2. The City Clerk is hereby authorized and directed to return forthwith to all bidders the deposits made with their bids, except that the deposits of the successful bidder and the next lowest bidder shall be retained until a contract has been signed.
3. The City Attorney is hereby directed to review all bids and contracts for the Improvement Project.

Adopted by a unanimous vote of the Ham Lake City Council this 18<sup>th</sup> day of April, 2022.

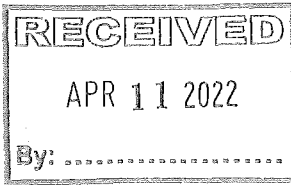
\_\_\_\_\_  
Brian Kirkham, Acting Mayor

\_\_\_\_\_  
Denise Webster, City Clerk

BID RESULTS  
2022 BITUMINOUS OVERLAY PROJECT  
APRIL 13, 2022

ITEM DESCRIPTION	UNIT	EST. QTY.	Valley Paving, Inc.		Park Construction		Asphalt Surface Technologies Corp	
			UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
MOBILIZATION	L.S.	1	\$5,500.00	\$5,500.00	\$12,437.31	\$12,437.31	\$13,000.00	\$13,000.00
6' WIDE EDGE MILL BITUMINOUS SURFACE	S.Y.	351	\$3.00	\$1,053.00	\$5.01	\$1,758.51	\$3.85	\$1,351.35
MILL BITUMINOUS SURFACE	S.Y.	26,632	\$0.95	\$25,300.40	\$1.44	\$38,350.08	\$1.10	\$29,295.20
HAUL BITUMINOUS PAVEMENT RECLAMATION	C.Y.	1,178	\$7.50	\$8,835.00	\$0.01	\$11.78	\$6.60	\$7,774.80
TYPE SPWEA340B WEARING COURSE MIXTURE	TON	3,926	\$80.20	\$314,865.20	\$81.93	\$321,657.18	\$82.94	\$325,622.44
BITUMINOUS MATERIAL FOR TACK COAT	S.Y.	32,449	\$0.10	\$3,244.90	\$0.01	\$324.49	\$0.25	\$8,112.25
				\$358,798.50		\$374,539.35		\$385,156.04

ITEM DESCRIPTION	UNIT	EST. QTY.	Bituminous Roadways		North Valley		Omann Contracting	
			UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
MOBILIZATION	L.S.	1	\$12,263.01	\$12,263.01	\$11,980.78	\$11,980.78	\$3,687.00	\$3,687.00
6' WIDE EDGE MILL BITUMINOUS SURFACE	S.Y.	351	\$6.00	\$2,106.00	\$4.84	\$1,698.84	\$7.11	\$2,495.61
MILL BITUMINOUS SURFACE	S.Y.	26,632	\$0.27	\$7,190.64	\$1.37	\$36,485.84	\$1.92	\$51,133.44
HAUL BITUMINOUS PAVEMENT RECLAMATION	C.Y.	1,178	\$20.50	\$24,149.00	\$17.22	\$20,285.16	\$0.01	\$11.78
TYPE SPWEA340B WEARING COURSE MIXTURE	TON	3,926	\$89.00	\$349,414.00	\$82.54	\$324,052.04	\$95.75	\$375,914.50
BITUMINOUS MATERIAL FOR TACK COAT	S.Y.	32,449	\$0.15	\$4,867.35	\$0.30	\$9,734.70	\$0.21	\$6,814.29
				\$399,990.00		\$404,237.36		\$440,056.62



Fee \$100.00  
Receipt # 92405

LARGE ASSEMBLY LICENSE APPLICATION

Name of Organization Ham Lake Chamber of Commerce  
Contact Person (1) Kari Lund Phone 763 939 3011 612 209 0539  
Contact Person (2) \_\_\_\_\_ Phone \_\_\_\_\_  
Contact Person (3) \_\_\_\_\_ Phone \_\_\_\_\_  
Applicant's Address 15544 Central Ave NE Ham Lake MN 55304  
*Street Address City State Zip*

Name and Address of Person(s) Responsible for Payment of Bills: Kari Lund  
15544 Central Ave NE Ham Lake MN 55304  
*Street Address City State Zip*

I, Kari Lund hereby make application on behalf of Ham Lake Chamber of Commerce

Corporation  Partnership  Society, Group of Association  Other \_\_\_\_\_  
(In the case of a corporation or LLC, a certified copy of the Articles of Incorporation/Organization together with the name, date of birth, residence, and mailing address of each person holding 10 percent or more of the stock or membership of said corporation or LLC.)

to the City of Ham Lake for a license to permit the lawful assembly of over 1,000 persons on the following described property:  
Ham Lake Lions Park

The nature and purpose of the assembly will be as follows:  
annual Freedom Festival

The assembly will be held on the 2nd day of July, 2022,  
between the hours of 3:00 AM/PM (Circle One) and 11:00 AM/PM (Circle One)

The maximum number of persons I will permit to attend are about 2500 persons. The maximum number of event tickets to be sold, if applicable N/A.

OUTDOOR MUSIC. Will there be outdoor music?  yes  no

If yes, please describe: live band - Shotgun Drama Jun/12,

Outdoor music: Start Time 7:00 AM/PM (Circle One) End Time 10:00 AM/PM (Circle One)

1) MY PLANS FOR FENCING the location of the assembly and the gates contained in such fence:

2) MY PLANS FOR SUPPLYING PORTABLE WATER, including the source, amount available, and location of outlets:

Vendor selling water, drinking fountain and sinks for handwashing in restrooms

3) MY PLANS FOR PROVIDING TOILET AND LAVATORY FACILITIES including the source, number, location, type, and means of disposing of waste. Advise of number of portable restrooms to be supplied on premises:

will use existing restrooms near pavilion, and add additional 5-6 portable restrooms

4) MY PLANS FOR HOLDING, collecting and disposing of solid waste material:

waste and recycling receptacles placed around park - use the bins from the city. Scout troop will volunteer to clean up litter the following morning

5) MY PLANS TO PROVIDE FOR MEDICAL FACILITIES, including the location and the construction of a medical structure, the names and addresses and hours of availability of physicians and nurses, and provisions for emergency ambulance service:

will have cell phone available for emergencies. Anticipating fire and police to be there with vehicle displays so could be easily accessed if a situation arises

6) MY PLANS, IF ANY, TO ILLUMINATE the location of the assembly, including the amount of power and the location of lights:

lights around park (existing) and in the pavilion

7) MY PLANS FOR PARKING VEHICLES, including size and location of lots, points of highway access and interior roads including routes between highway access and parking lots:

will utilize lions park, Glen (arg) and city hall parking. ACSO to assist as needed

8) MY PLANS FOR TELEPHONE SERVICE, including the source, number and location of telephones:

personal cell phone with me and our event committee members will have a NBACC booth at the market for any inquiries, emergencies and lost + found

9) MY PLANS FOR SECURITY, including the number of guards, their employment, their names, addresses, credentials, and hours of availability:

planning for ACSO to be there with vehicle tours. Not specifically for security but could assist if needed. They will be there ~~also~~ to assist with traffic control

10) MY PLANS FOR FIRE PROTECTION:

Asking fire dept to be present for vehicle demos so could easily be accessed if emergency arises. All food vendors req'd to have fire extinguishers on hand. Fireworks to consult with fire chief in advance of event

11) MY PLANS FOR SOUND CONTROL AND SOUND AMPLIFICATION, if any, including number of location and power of amplifiers and speakers:





All food vendors must obtain Permit from Anoka County, and Transient Sales merchants must obtain License for the City of Ham Lake.

Applicant must pay the City for \_\_\_\_\_ Police Officers.

Applicant must provide \_\_\_\_\_ portable restrooms.

Applicants must install barricades and remove barricades.

Applicant is responsible for picking up litter from the park immediately after the event.

The hours of outdoor music are limited to \_\_\_\_\_ to \_\_\_\_\_.

Other:

\_\_\_\_\_  
\_\_\_\_\_

**APPROVAL OF THE LARGE ASSEMBLY PERMIT**

Approved by the Planning Commission

Date \_\_\_\_\_

\_\_\_\_\_  
Approved by the Anoka County Sheriff's Office

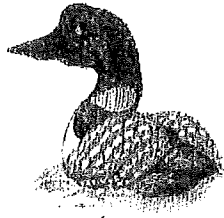
Date \_\_\_\_\_

Referred to and Approved by \_\_\_\_\_

Date \_\_\_\_\_

\_\_\_\_\_  
City Administrator

Approved by the Ham Lake City Council on this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.



**NOTICE TO ALL APPLICANTS FOR MUNICIPAL PERMITS,  
LICENSES OR OTHER MUNICIPAL ACTION**

1. If you are requesting municipal action on any request for any of the above, you will be required to furnish certain information about yourself, the project you are involved in, or other matters pertaining to the subject. Some of the information you are asked to provide is classified by state law as either private or confidential. Private data is information which generally cannot be given to the public but can be given to the subject of the data. Confidential data is information which generally cannot be given to either the public or the subject of the data.
2. The purpose of this information is to enable the City Staff, Commissions, Council or other government agencies to evaluate relevant factors in considering your request. You are not legally required to provide this information. If you do not provide the requested information, the City may not act upon your request.
3. The information you supply will be public and available to any entity requesting to inspect the information.

**DATA PRACTICES ADVISORY  
TENNESSEN WARNING  
REQUIRED BY MINNESOTA STATUES CHAPTER 13.04**

SIGNED BY: \_\_\_\_\_

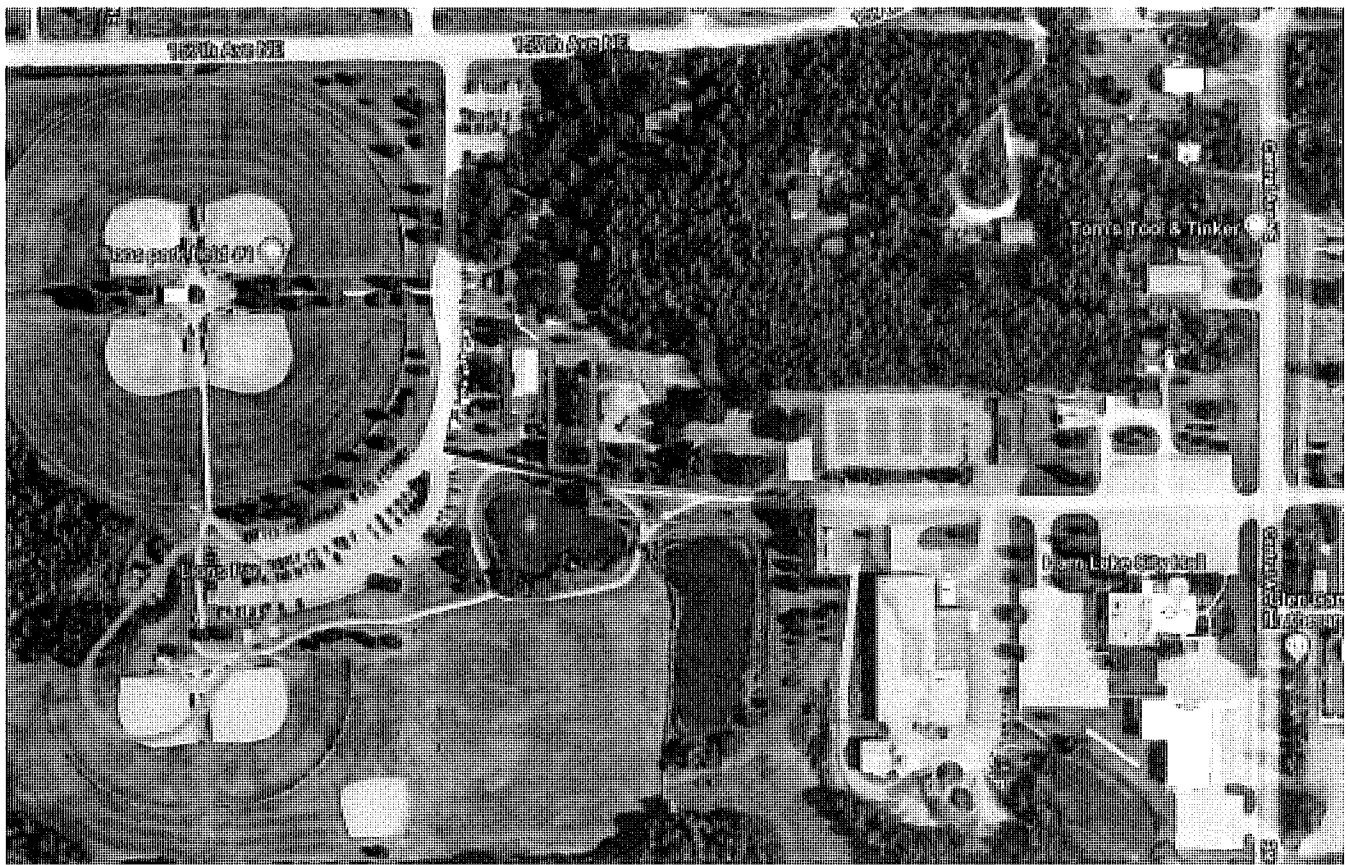
Executive Director

COMPANY/TITLE: \_\_\_\_\_

How Lake Chamber of Commerce

DATE: \_\_\_\_\_

4-11-22



**Purple: Pavilion**

- Stage set up by noon
- 3pm – Bingo Setup
- 3pm – Ruck n Roll presented by Ascension Fitness. **See other map for the Ruck 'n Roll Route.**
- 3-9pm Business Expo and Artisan Market
- 3-7pm Bingo and Pull tabs
- 3-10pm Food and Beverage Vendors
- 7-7:30pm Band Sound Check
- 7:30-10pm Band

**Blue: Space between pavilion and playground**

- Inflatable obstacle course 3-9pm (\*need electric)

**Red: Lane to be left open for inflatable and band pickup/drop off**

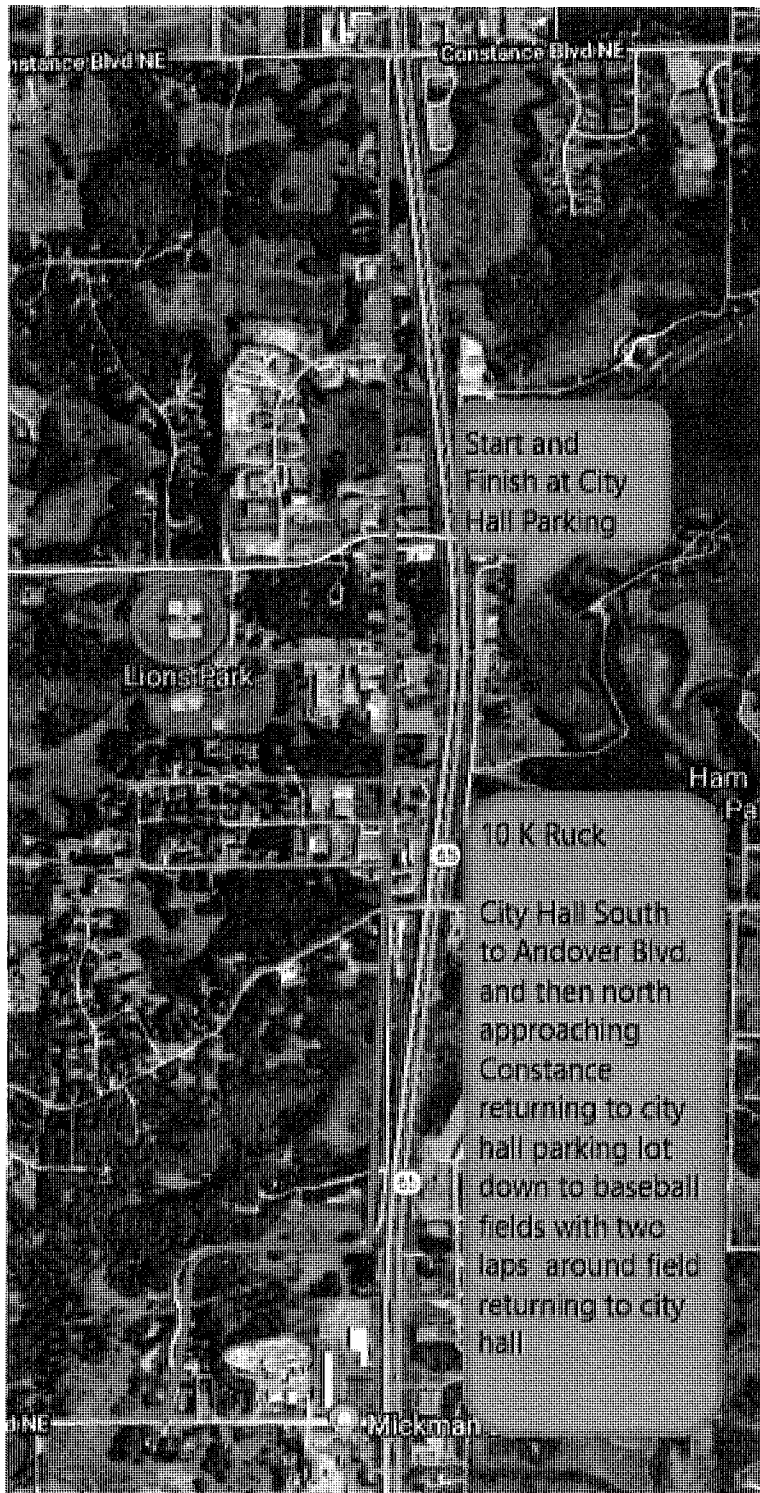
**Green: Fireworks set up and area where they are lit**

**7 food/drink vendors numbered top to bottom. Area is parking spaces west of pavilion and will have them face the pavilion so lines don't extend into parking lot driving area.**

1. Route 65 Pub n Grub
2. Mansetti's
3. Now That's Waffles
4. Blue House Corn Company
5. The Parlor Ice Cream
6. Taulelle Concessions – smoothies/lemonade
7. Ham Lake Lions Club

**Orange: approximately 20 business expo/artisan craft vendors along the path by the pond on both sides.**

Registration begins at 2pm with the Ruck from 3-5pm. They will start and finish at City Hall and use the route as indicated on second map.



Start and  
Finish at City  
Hall Parking

10 K Ruck

City Hall South  
to Andover Blvd.  
and then north  
approaching  
Constance  
returning to city  
hall parking lot  
down to baseball  
fields with two  
laps around field  
returning to city  
hall

Wickman

**Meeting Date: April 18, 2022**



***CITY OF HAM LAKE  
STAFF REPORT***

**To: Mayor and Councilmembers**

**From: Dawnette Shimek, Deputy City Clerk**

**Item/Title/Subject: Temporary One-Day Liquor License**

**Introduction/Discussion:** Attached is an application from the Ham Lake Lion's requesting a Temporary One-Day Liquor License at Lions Park 1220 157<sup>th</sup> Avenue NE, Ham Lake for Saturday, July 2, 2022.

**Recommendation:** I recommend approval of the Temporary One-Day Liquor License for the Ham Lake Lion's for July 2, 2022.

Receipt # 92444 \$25.00 Fee

APPLICATION FOR ON-SALE/OFF-SALE  
3.2 PERCENT MALT LIQUOR

TO: Ham Lake City Council  
Of the City of Ham Lake  
County of Anoka, State of Minnesota

WILLIAM VOKOVAN, whose name and address is subscribed hereto, hereby make application for an On sale/Off sale license to sell 3.2 percent malt liquor on those certain premises in the City of Ham Lake, County of Anoka, State of Minnesota known and described as follows: Lion's Park, 1220 157<sup>th</sup> Avenue NE, Ham Lake, MN, in connection with the Ham Lake Lions (business) there now and therefore conducted by said applicants since 1985.

Applicant states and represents:

(a – if an individual or partnership) That they are a citizen of the United States of America, who is of good moral character and repute and has attained the age of twenty one years and who is proprietor of the establishment for which this license is applied.

(b – if a corporation) That it is a corporation organized under the laws of Minnesota. That said corporation is an affiliate or subsidiary of the HAM LAKE LIONS. That the application is made on behalf of said corporation by the undersigned (officer of manager) WILLIAM VOKOVAN.

(c – if a club or charitable, religious or other non-profit corporation that has existed for at least three years) That it is a bonafide club and is an organization for social or business purposes – or for intellectual improvement – or for the promotion of sports – where the serving of such 3.2 percent malt liquor is incidental and not the major purpose of the club.

Date of event: Saturday, July 2, 2022

The applicant represents that no manufacturer or wholesaler of 3.2 percent malt liquor has any ownership, in whole or in part, in the business of applicant.

Applicant herein agrees to abide and be governed by all rules and regulations of the municipality and all laws of the state pertaining to the sale of 3.2 percent malt liquor.

Name: WILLIAM VOKOVAN  
Address: 14951 LEYTE ST.  
Phone Number: 651-376-9557

STATE OF MINNESOTA  
COUNTY OF ANOKA

William Vokovan being duly sworn on oath says that he/she is the person who made and signed the foregoing application, that he/she has read said application and knows the contents thereof, and that the same is true of his/her own knowledge.

William Vokovan

Subscribed and sworn to before me this  
13<sup>th</sup> day of April, 2022.

Dawnette M. Shimek  
(Notary Public)





**CITY OF HAM LAKE  
STAFF REPORT**

**To:** Mayor and Councilmembers  
**From:** Andrea Murff, Finance Director  
**Item/Title/Subject:** 2022 1<sup>st</sup> Quarter Financials

**INTRODUCTION/DISCUSSION:**

Bank accounts have been reconciled through March 31, 2022 as well as a review of all activity in all funds has been performed. The following is a summary of my observations on the City's financial position at the end of the 1st Quarter of 2022. All information presented is unaudited and is subject to end of year adjustments.

**Cash and Investments**

The City's cash and investment balances are as follows:

	03/31/2022	12/31/2021	Increase/ (Decrease)
Checking	\$ 24,148	\$ 436,002	\$ (411,915)
Investments (at Market Value)	11,000,014	11,580,629	(580,616)
<b>Total Cash and Investments</b>	<b>\$ 11,024,162</b>	<b>\$ 12,016,631</b>	<b>\$ (992,531)</b>

Investment Type	03/31/2022	12/31/2021	Increase/ (Decrease)
Checking	\$ 24,148	\$ 436,002	\$ (411,915)
Money Market	7,276,036	7,785,636	(509,600)
Negotiable CDs	3,723,978	3,794,994	(71,016)
Municipal Bond	-	-	-
Government Agency Securities	-	-	-
<b>Total Cash and Investments</b>	<b>\$ 11,024,162</b>	<b>\$ 12,016,631</b>	<b>\$ (992,531)</b>



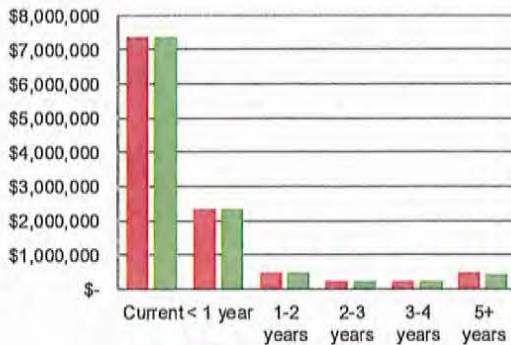
## Investment Summary As of 03/31/2022 (unaudited)

Institution	Description	Type	Rate	Market Value 1/1/2022	Deposits - Purchases	Expenditures - Sales	Transfers	Interest	Unadjusted Market Value 3/31/2022	Market Value 3/31/2022	Unrealized gain / loss
RBC	RBC	Money Market	0.00%	-	-	-	-	-	-	-	-
RBC	Morgan Stanley PVT BK	Brokered CD	2.55%	247,805.64	-	-	-	-	247,805.64	246,359.16	(1,446.48)
RBC	Sallie Mae BK Murray Utah	Brokered CD	2.55%	247,805.64	-	-	-	-	247,805.64	246,359.16	(1,446.48)
RBC	Wells Fargo Bank Natl Assn	Brokered CD	2.55%	250,827.66	-	-	(1,565.62)	1,565.62	250,827.66	249,363.54	(1,464.12)
RBC	Ally Bank Midvale Utah	Brokered CD	1.80%	249,719.52	-	-	(2,232.20)	2,232.20	249,719.52	247,488.30	(2,231.22)
RBC	Freddie Mac	Brokered CD	3.00%	243,872.10	-	-	-	-	243,872.10	237,690.12	(6,181.98)
RBC	Bank Hapoalim New York	Brokered CD	2.90%	242,198.88	-	-	(3,321.97)	3,321.97	242,198.88	234,538.92	(7,659.96)
RBC	BMO Harris BK NATL ASSN	Brokered CD	0.50%	245,382.03	-	-	(306.99)	306.99	245,382.03	234,341.37	(11,040.66)
RBC	Merick BK South Jordan Utah	Brokered CD	0.40%	242,971.71	-	-	(245.59)	245.59	242,971.71	231,114.33	(11,857.38)
RBC	Texas Exchange Bk Crowley	Brokered CD	0.70%	242,901.99	-	-	(429.79)	429.79	242,901.99	229,291.65	(13,610.34)
RBC	Malaga BK Palos Verdes Calif	Brokered CD	0.50%	238,731.77	-	-	(306.99)	306.99	238,731.77	221,866.47	(14,865.30)
				2,450,216.94	-	-	(8,409.15)	8,409.15	2,450,216.94	2,378,410.56	(71,806.38)
Falcon National Bank	Falcon National Bank	Money Market	0.25%	69,515.56	-	-	586.85	43.01	70,145.42	70,145.42	-
Falcon National Bank	CD 89417 (renewed)	Brokered CD	0.60%	300,000.00	-	-	(280.99)	280.99	300,000.00	300,000.00	-
Falcon National Bank	CD 88834 (renewed)	Brokered CD	0.60%	200,000.00	-	-	(295.89)	295.89	200,000.00	200,000.00	-
Falcon National Bank	CD 90376 (renewed)	Brokered CD	0.60%	534,276.91	-	-	-	780.44	535,067.35	535,067.35	-
Falcon National Bank	CD 90484 (renewed)	Brokered CD	0.60%	100,500.00	-	-	-	-	100,500.00	100,500.00	-
				1,204,292.47	-	-	-	1,420.30	1,205,712.77	1,205,712.77	-
21st CENTURY BANK	ICS	Money Market	0.70%	1,456,916.34	1,580,343.82	(1,426,948.76)	-	1,289.92	1,611,611.32	1,611,611.32	-
21st CENTURY BANK	CD 3735 (Renewed)	Brokered CD	0.65%	210,000.00	-	-	(158.79)	158.79	210,000.00	210,000.00	-
				1,666,916.34	1,580,343.82	(1,426,948.76)	(158.79)	1,458.71	1,821,611.32	1,821,611.32	-
4 M	4M Liquid Assets-101	Money Market	0.02%	83,193.75	-	-	-	4.90	83,198.65	83,198.65	-
4 M	4M Plus Fund-101	Money Market	0.05%	5,953,819.77	326,006.48	-	(991,590.85)	631.86	5,298,867.26	5,298,867.26	-
4 M	4M Plus Fund-103 Trust Investment	Money Market	0.05%	212,190.13	-	-	-	23.14	212,213.27	212,213.27	-
				6,259,203.65	326,006.48	-	(991,590.85)	659.90	5,594,279.18	5,594,279.18	-
21st CENTURY BANK	Trust	Checking	0.25%	385,528.05	-	-	(385,538.62)	10.57	(0.00)	-	0.00
21st CENTURY BANK	General/Checking	Checking	0.25%	100,021.24	1,872,237.04	(3,257,996.10)	1,385,697.41	61.65	100,021.24	100,021.24	0.00
				485,549.29	1,872,237.04	(3,257,996.10)	1,000,158.79	72.22	100,021.24	100,021.24	0.00
				\$ 12,066,178.69	\$ 3,778,587.34	\$ (4,684,944.86)	\$ -	\$ 12,020.28	\$ 11,171,841.45	\$ 11,100,035.07	\$ (71,806.38)

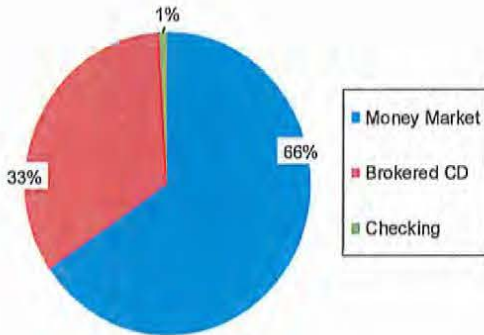


**Investment Summary (continued)**  
**As of 03/31/2022 (unaudited)**

**Maturities**



■ Market Value ■ Market Value



■ Money Market  
 ■ Brokered CD  
 ■ Checking

Maturity	Unadjusted Market Value 3/31/2022	Market Value 3/31/2022	Variance 3/31/2022
Current	\$ 7,376,057.16	\$ 7,376,057.16	\$ -
< 1 year	2,341,725.81	2,335,135.05	(6,590.76)
1-2 years	486,070.98	472,229.04	(13,841.94)
2-3 years	245,382.03	234,341.37	(11,040.66)
3-4 years	242,971.71	231,114.33	(11,857.38)
5+ years	479,633.76	451,158.12	(28,475.64)
	<u>\$ 11,171,841.45</u>	<u>\$ 11,100,035.07</u>	<u>\$ (71,806.38)</u>
Weighted average Rate of return	16.47%	3/31/2022	
Average Maturity (years)	0.13	3/31/2022	
Investment Type		Market Value 3/31/2022	
Money Market		\$ 7,276,035.92	
Brokered CD		\$ 3,723,977.91	
Savings		\$ -	
Government Securities		\$ -	
Municipal Securities		\$ -	
Checking		\$ 100,021.24	
		<u>\$ 11,100,035.07</u>	
Operating Account			
O/S Deposits		\$ 18,536.11	
O/S Checks		(94,408.99)	
Reconciled Balance		<u>\$ 11,024,162.19</u>	

## Investment Summary (continued)

Current short-term rates being offered by financial institutions are very low as evidenced by the table of U.S. Treasury rates below. The U.S. Treasury rates provide a benchmark perspective for rate of return.

Treasury Yields									
Date	1 mo	3 mo	6 mo	1 yr	2 yr	3 yr	5 yr	7 yr	10 yr
12/31/2015	0.14	0.16	0.49	0.65	1.06	1.31	1.76	2.09	2.27
12/31/2016	0.44	0.51	0.62	0.85	1.20	1.47	1.93	2.25	2.45
06/30/2017	0.84	1.03	1.14	1.24	1.38	1.55	1.89	2.14	2.31
09/30/2017	0.96	1.06	1.20	1.31	1.47	1.62	1.92	2.16	2.33
12/31/2017	1.28	1.39	1.53	1.76	1.89	1.98	2.20	2.33	2.40
03/31/2018	1.63	1.73	1.93	2.09	2.27	2.39	2.56	2.68	2.74
06/30/2018	1.77	1.93	2.11	2.33	2.52	2.63	2.73	2.81	2.85
09/30/2018	2.12	2.19	2.36	2.59	2.81	2.88	2.94	3.01	3.05
12/31/2018	2.44	2.45	2.45	2.56	2.63	2.48	2.46	2.51	2.59
03/29/2019	2.43	2.44	2.40	2.44	2.40	2.27	2.21	2.23	2.31
06/28/2019	2.18	2.12	2.09	1.92	1.75	1.71	1.76	1.87	2.00
09/30/2019	1.91	1.88	1.83	1.75	1.63	1.56	1.55	1.62	2.12
12/31/2019	1.48	1.55	1.60	1.59	1.58	1.62	1.69	1.83	1.92
03/31/2020	0.05	0.11	0.15	0.17	0.23	0.29	0.37	0.55	0.70
06/30/2020	0.13	0.16	0.18	0.16	0.16	0.18	0.29	0.49	0.66
09/30/2020	0.08	0.10	0.11	0.12	0.13	0.16	0.28	0.47	0.69
12/31/2020	0.08	0.09	0.09	0.10	0.13	0.17	0.36	0.65	0.93
03/31/2021	0.01	0.03	0.05	0.07	0.16	0.35	0.92	1.40	1.74
06/30/2021	0.05	0.05	0.06	0.07	0.25	0.74	0.87	1.21	1.45
09/30/2021	0.07	0.04	0.05	0.09	0.28	0.53	0.98	1.32	1.52
12/31/2021	0.06	0.06	0.19	0.39	0.73	0.97	1.26	1.44	1.52
03/31/2022	0.17	0.52	1.06	1.63	2.28	2.45	2.42	2.40	2.32

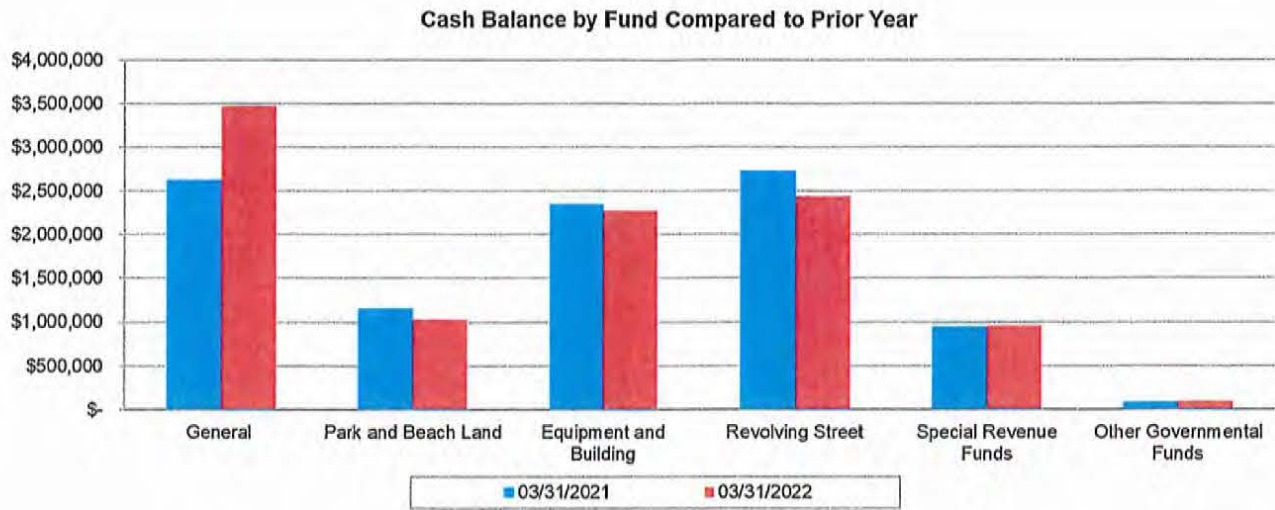
**Cash Balance Summary by Fund**  
**As of 03/31/2021, 12/31/21 and 03/31/2022 (unaudited)**

		Balance 03/31/2021	Balance 12/31/2021	Balance 03/31/2022	YTD Change From 12/31/2021
100	General Fund	\$ 2,619,184	\$ 4,501,270	\$ 3,467,575	\$ (1,033,695) <sup>(1)</sup>
210	Cable TV Fund	414,090	414,281	436,782	22,501
211	Ham Laker Fund	(49,632)	2,034	(6,380)	(8,413)
212	Lawful Gambling Contributions Fund	56,444	28,682	38,718	10,036
217	CARES Act Grant	-	4	4	-
230	Future Drainage Fund	106,921	122,770	123,559	789
231	Recycling Fund	66,742	45,575	67,518	21,943
232	Street Light Fund	165,769	167,675	153,328	(14,347)
250	Oakwilt Fund	11,394	11,344	11,276	(67)
261	Economic Development Fund	1,646	1,660	1,651	(9)
262	Ham Lake EDA Fund	167,172	155,021	117,865	(37,155)
263	Lodging Tax Fund	3,131	4,854	5,156	302
370	2010 Cip Bond Debt Service Fund	83,878	278,384	92,025	(186,358) <sup>(2)</sup>
371	2016 Go Capital Note Debt Service Fund-Nmtc	26	26	26	-
410	General Gov't Equipment Fund	63,630	61,952	62,829	877
411	Election Equipment Fund	3,138	2,612	3,593	981
412	Building Fund	258,223	245,066	246,081	1,015
420	Fire Department Equipment Fund	1,402,874	1,501,072	1,511,919	10,847
421	Emergency Operations Center Fund	35,942	35,848	35,635	(213)
422	Siren Replacement Fund	36,012	37,360	37,138	(222)
428	Building Inspection Equipment Fund	59,639	1,903	493	(1,410)
430	Public Works Equipment Fund	430,538	460,687	282,521	(178,165) <sup>(3)</sup>
431	Revolving Street Fund	2,722,036	2,117,126	2,438,967	321,842 <sup>(4)</sup>
440	Park And Beach Land Fund	1,155,815	1,011,279	1,023,580	12,301
441	Parks Equipment Fund	55,199	81,885	91,361	9,476
890	Trust	576,063	726,262	780,941.53	54,679 <sup>(5)</sup>
	<b>Total</b>	<b>\$ 10,445,874</b>	<b>\$ 12,016,631</b>	<b>\$ 11,024,162</b>	<b>\$ (992,469)</b>

**Item**      **Explanation of changes greater than \$50,000.**

- <sup>(1)</sup> See rev/exp for the General Fund for further explanation.
- <sup>(2)</sup> Bond principal and interest due in February.
- <sup>(3)</sup> Purchase of a Chasis for future Plow Truck.
- <sup>(4)</sup> Cash increased due to budgeted transfers from General Fund.
- <sup>(5)</sup> Increased Trust activity.

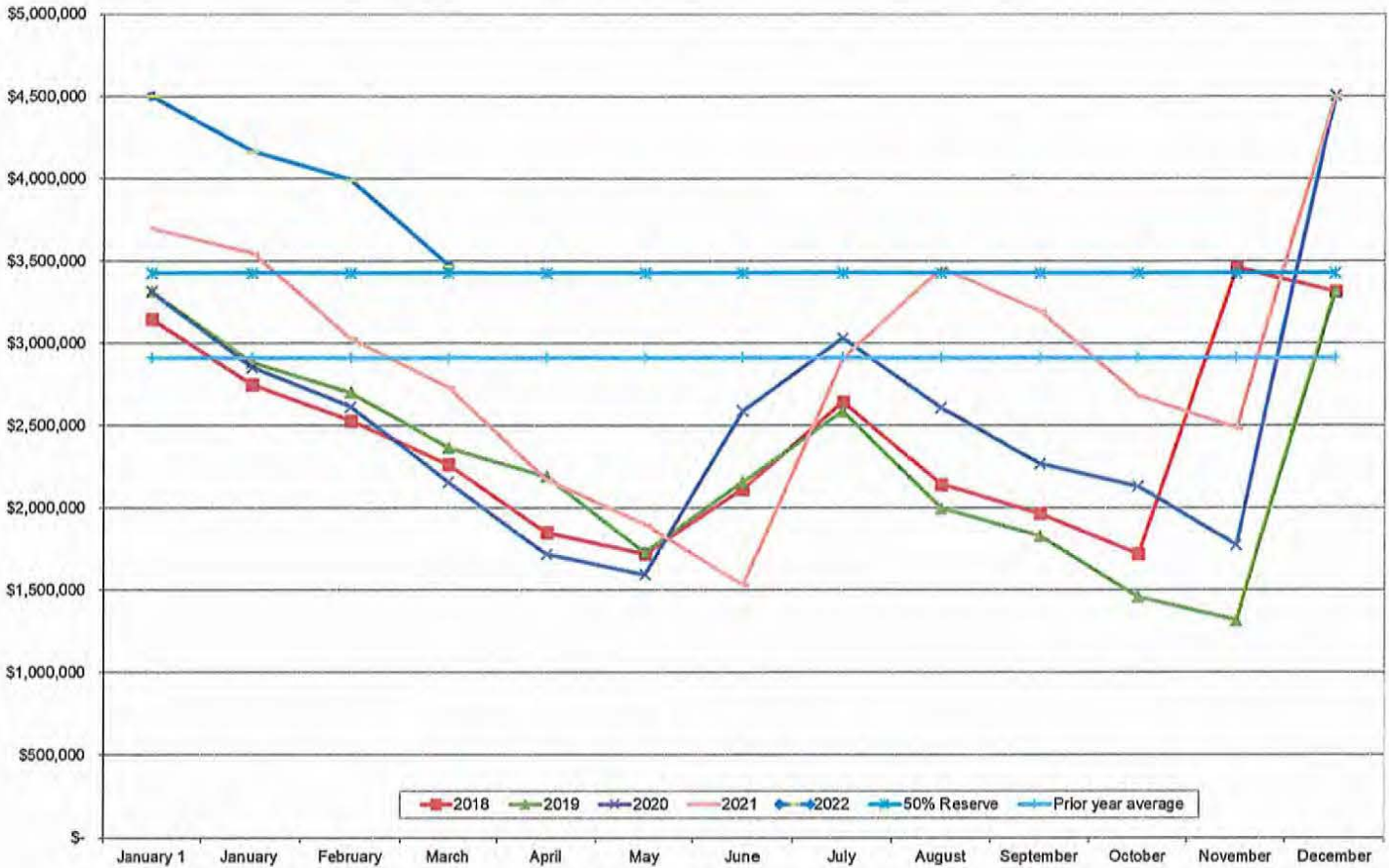
## Cash Balance by Fund Compared to Prior Year (unaudited)





# General Fund Budget Cash Summary (unaudited)

## General Fund Cash Balances 2018 -2022



### General Fund

Receipts	YTD Budget	YTD Actual	Percent of YTD Budget	Disbursements	YTD Budget	YTD Actual	Percent of YTD Budget
Taxes	\$ 1,354,673	\$ 360	0.0 %	Council	\$ 20,520	\$ 19,130	93.2 %
Special Assessments	-	-	-	Administration/Clerk	77,122	61,459	79.7
Licenses and permits	137,150	140,257	102.3	Finance	86,361	91,694	106.2
Intergovernmental	37,750	52,842	140.0	Planning & Zoning	23,536	15,640	66.4
Charges for services	35,631	37,439	105.1	General Government	29,737	30,097	101.2
Fines and forfeitures	7,500	3,575	47.7	Information Technology	13,132	13,196	100.5
Interest on investments	250	(23,151)	(9,260.2)	Public Safety	522,522	462,987	88.6
Miscellaneous	2,625	15,228	580.1	Building Department	107,225	96,505	90.0
Transfers in	300	-	-	Public Works	277,813	237,903	85.6
	<b>\$ 1,575,880</b>	<b>\$ 226,550</b>	<b>14.4 %</b>	Parks and recreation	77,789	26,670	34.3
				Senior Center	3,498	3,057	87.4
				Transfers Out	474,243	474,243	100.0 %
					<b>\$ 1,713,497</b>	<b>\$ 1,532,582</b>	<b>89.4</b>

**Key**

- Varies more than 10% than budget positively
- Varies more than 10% than budget negatively
- Within 10% of budget

**General Fund Budget Summary**  
**As of 12/31/2021 (unaudited)**

	Annual Budget	Budget Thru 3/31/2022 25%	Actual Thru 3/31/2022	Variance - Favorable (Unfavorable)	Percent Received or Expended Based on Budget thru 3/31/2022
<b>Revenues</b>					
Taxes	\$ 5,418,693	\$ 1,354,673	\$ 360	\$ (1,354,313) <sup>¶(1)</sup>	0.03 %
Special Assessments	-	-	-	-	N/A
Licenses and permits	548,600	137,150	140,257	3,107	102.27
Intergovernmental	151,000	37,750	52,842	15,092	139.98
Charges for services	142,525	35,631	37,439	1,808	105.07
Fines and forfeitures	30,000	7,500	3,575	(3,925)	47.66
Interest on investments	1,000	250	(23,151)	(23,401) <sup>¶(2)</sup>	-
Miscellaneous	10,500	2,625	15,228	12,603	580.10
<b>Total Revenues</b>	<b>6,302,318</b>	<b>1,575,580</b>	<b>226,550</b>	<b>(1,349,029)</b>	
<b>Expenditures</b>					
Council	\$ 82,079	\$ 20,520	\$ 19,130	\$ 1,390	93.23 %
Administration/Clerk	308,487	77,122	61,459	15,663	79.69
Finance	345,444	86,361	91,694	(5,333)	106.18
Planning & Zoning	94,145	23,536	15,640	7,897	66.45
General Government	118,950	29,737	30,097	(360)	101.21
Information Technology	52,527	13,132	13,196	(65)	100.49
Public Safety	2,090,089	522,522	462,987	59,535 <sup>¶(3)</sup>	88.61
Building Department	428,898	107,225	96,505	10,719	90.00
Public Works	1,111,252	277,813	237,903	39,910 <sup>¶(4)</sup>	85.63
Parks and recreation	311,157	77,789	26,670	51,119 <sup>¶(5)</sup>	34.29
Senior Center	13,990	3,498	3,057	440	87
<b>Total Expenditures</b>	<b>4,957,018</b>	<b>1,239,255</b>	<b>1,058,339</b>	<b>180,915</b>	<b>85.40</b>
<b>Excess Revenues (Expenditures)</b>	<b>1,345,300</b>	<b>336,325</b>	<b>(831,789)</b>	<b>(1,168,114)</b>	
<b>Other Financing Sources (Uses)</b>					
Transfers in	1,200	300	-	-	-
Transfers out	(1,896,970)	(474,243)	(474,243)	-	100.00
<b>TOTAL OTHER FINANCING SOURCES (USES)</b>	<b>(1,895,770)</b>	<b>(473,943)</b>	<b>(474,243)</b>	<b>-</b>	
<b>Excess (Deficiency) of Revenues and Other Financing Sources Over (Under) Expenditures and Other Uses</b>	<b>\$ (550,470)</b>	<b>\$ (137,618)</b>	<b>\$ (1,306,032)</b>	<b>\$ (1,168,114)</b>	

Item Explanation of items percentage received/expended less than 90% or greater than 110% and \$ variance greater than \$20,000.

- ¶(1) Tax Settlements are received in June, December, and January
- ¶(2) The market value of CD has been on the decline and this is reflected in the Investment Revenue line.
- ¶(3) Public Safety is under budget due to not paying the full amount of the budget Sheriff contract and Fire Fighters not being paid for March.
- ¶(4) Public Works is under budget due to not having any black top maintenance for the first three months.
- ¶(5) Parks is under budget due to the winter season passing and not a lot of activity in this department.

A detailed report of revenues and expenditures can be provided upon request.

# CITY OF HAM LAKE 1ST QUARTER REPORT

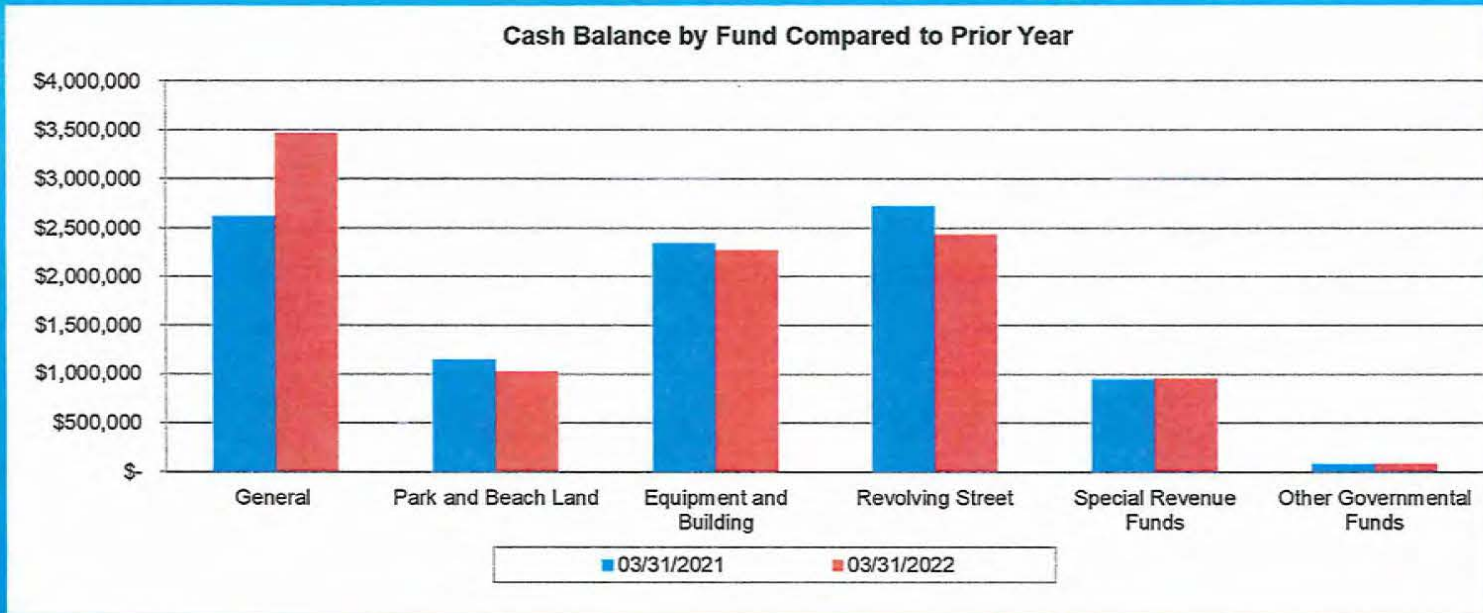
Presented by Finance Director, Andrea Murff



# OVERALL CASH POSITION

	Balance 03/31/2021	Balance 12/31/2021	Balance 03/31/2022	YTD Change From 12/31/2021
100 General Fund	\$ 2,619,184	\$ 4,501,270	\$ 3,467,575	\$ (1,033,695)
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212 Lawful Gambling Contributions Fund	56,444	28,682	38,718	10,036
217 CARES Act Grant	-	4	4	-
230 Future Drainage Fund	106,921	122,770	123,559	789
231 Recycling Fund	66,742	45,575	67,518	21,943
232 Street Light Fund	165,769	167,675	153,328	(14,347)
250 Oakwilt Fund	11,394	11,344	11,276	(67)
261 Economic Development Fund	1,646	1,660	1,651	(9)
262 Ham Lake EDA Fund	167,172	155,021	117,865	(37,155)
263 Lodging Tax Fund	3,131	4,854	5,156	302
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371 2016 Go Capital Note Debt Service Fund-Nmtc	26	26	26	-
410 General Govt Equipment Fund	63,630	61,952	62,829	877
411 Election Equipment Fund	3,138	2,612	3,593	981
412 Building Fund	258,223	245,066	246,081	1,015
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431 Revolving Street Fund	2,722,036	2,117,126	2,438,967	321,842
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441 Parks Equipment Fund	55,199	81,885	91,361	9,476
890 Trust	576,063	726,262	780,941.53	54,679
<b>Total</b>	<b>\$ 10,445,874</b>	<b>\$ 12,016,631</b>	<b>\$ 11,024,162</b>	<b>\$ (992,469)</b>

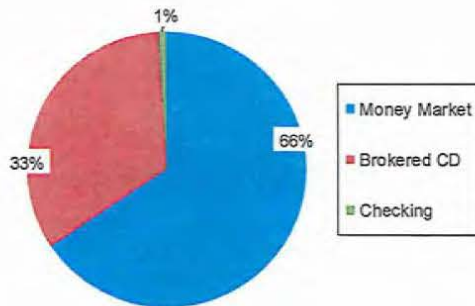
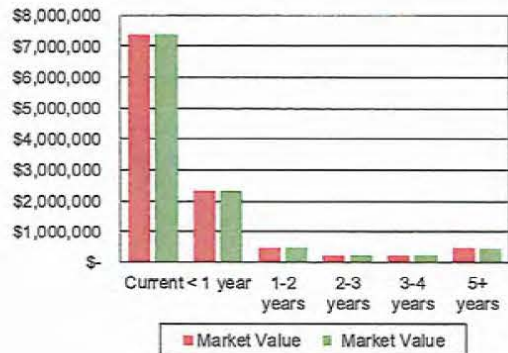




# GRAPH OF OVERALL CASH POSITION BY FUND TYPE

# INVESTMENT SUMMARY

## Maturities



Maturity	Unadjusted Market Value 3/31/2022	Market Value 3/31/2022	Variance 3/31/2022
Current	\$ 7,376,057.16	\$ 7,376,057.16	\$ -
< 1 year	2,341,725.81	2,335,135.05	(6,590.76)
1-2 years	486,070.98	472,229.04	(13,841.94)
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5+ years	479,633.76	451,158.12	(28,475.64)
	<u>\$ 11,171,841.45</u>	<u>\$ 11,100,035.07</u>	<u>\$ (71,806.38)</u>

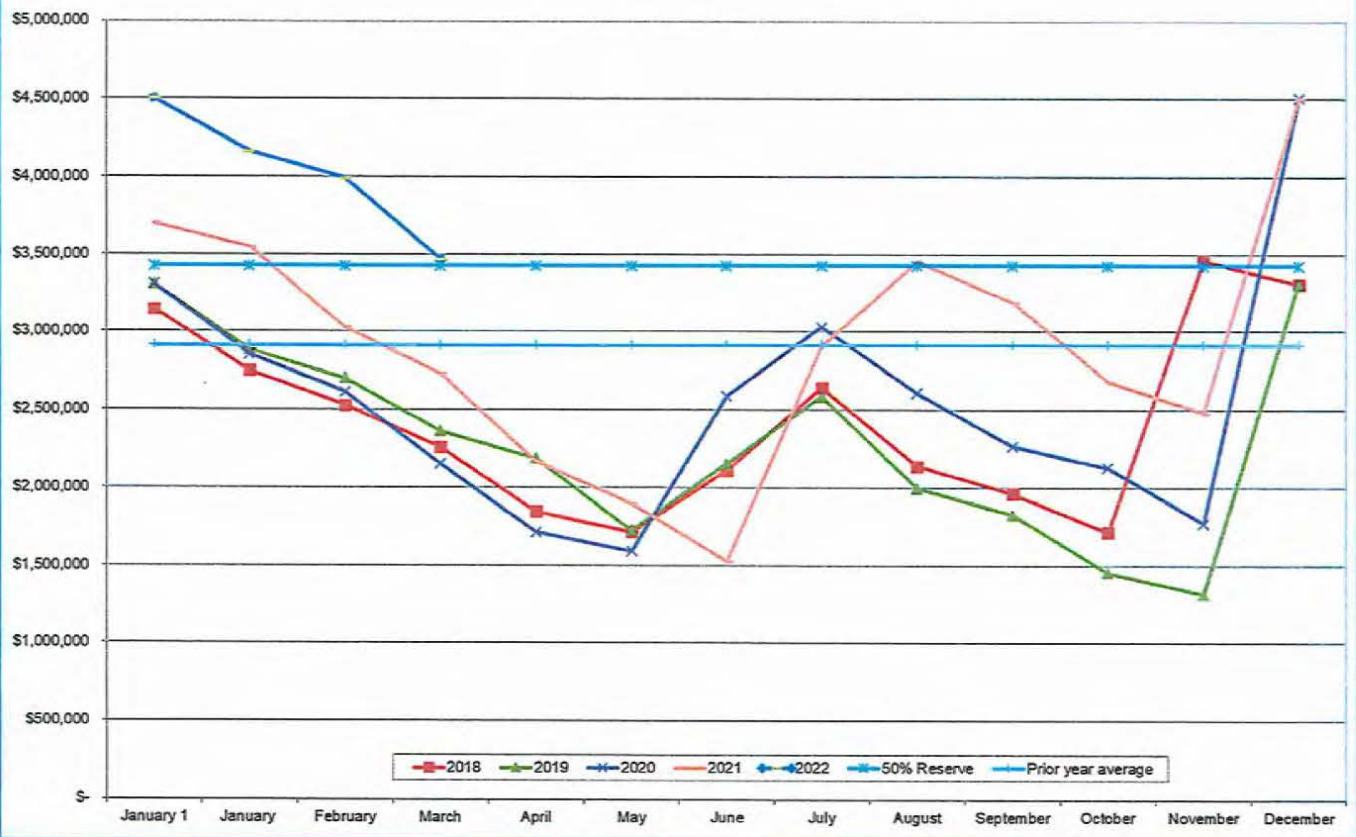
Weighted average Rate of return	16.47%	3/31/2022
Average Maturity (years)	0.13	3/31/2022

Investment Type	Market Value 3/31/2022
Money Market	\$ 7,276,035.92
Brokered CD	\$ 3,723,977.91
Savings	\$ -
Government Securities	\$ -
Municipal Securities	\$ -
Checking	\$ 100,021.24
	<u>\$ 11,100,035.07</u>

Operating Account	
O/S Deposits	\$ 18,536.11
O/S Checks	(94,408.99)
Reconciled Balance	<u>\$ 11,024,162.19</u>



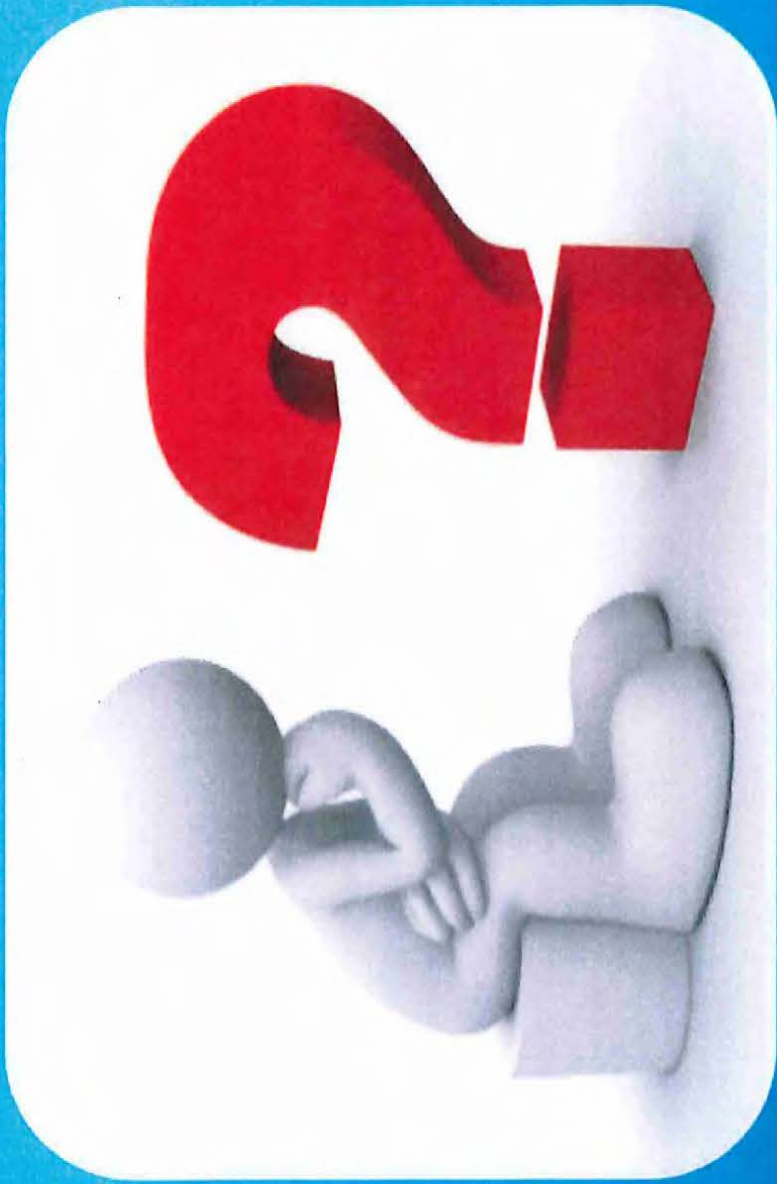
General Fund Cash Balances 2018 -2022



# GENERAL FUND BUDGET TO ACTUAL

	Annual Budget	Budget Thru 3/31/2022 25%	Actual Thru 3/31/2022	Variance - Favorable (Unfavorable)	Percent Received or Expended Based on Budget thru 3/31/2022
<b>Revenues</b>					
Taxes	\$ 5,418,693	\$ 1,354,673	\$ 360	\$ (1,354,313) ↑(1)	0.03 %
Special Assessments	-	-	-	-	N/A
Licenses and permits	548,600	137,150	140,257	3,107	102.27
Intergovernmental	151,000	37,750	52,842	15,092	139.98
Charges for services	142,525	35,631	37,439	1,808	105.07
Fines and forfeitures	30,000	7,500	3,575	(3,925)	47.66
Interest on investments	1,000	250	(23,151)	(23,401) ↑(2)	-
Miscellaneous	10,500	2,625	15,228	12,603	580.10
<b>Total Revenues</b>	<b>6,302,318</b>	<b>1,575,580</b>	<b>226,550</b>	<b>(1,349,029)</b>	
<b>Expenditures</b>					
Council	\$ 82,079	\$ 20,520	\$ 19,130	\$ 1,390	93.23 %
Administration/Clerk	308,487	77,122	61,459	15,663	79.69
Finance	345,444	86,361	91,694	(5,333)	106.18
Planning & Zoning	94,145	23,538	15,640	7,897	66.45
General Government	118,950	29,737	30,097	(360)	101.21
Information Technology	52,527	13,132	13,196	(65)	100.49
Public Safety	2,090,089	522,522	462,987	59,535 ↑(3)	88.61
Building Department	428,898	107,225	96,505	10,719	90.00
Public Works	1,111,252	277,813	237,903	39,910 ↑(4)	85.63
Parks and recreation	311,157	77,789	26,670	51,119 ↑(5)	34.29
Senior Center	13,990	3,498	3,057	440	87
<b>Total Expenditures</b>	<b>4,957,018</b>	<b>1,239,255</b>	<b>1,058,339</b>	<b>180,915</b>	<b>85.40</b>
<b>Excess Revenues (Expenditures)</b>	<b>1,345,300</b>	<b>336,325</b>	<b>(831,789)</b>	<b>(1,168,114)</b>	
<b>Other Financing Sources (Uses)</b>					
Transfers in	1,200	300	-	-	-
Transfers out	(1,896,970)	(474,243)	(474,243)	-	100.00
<b>TOTAL OTHER FINANCING SOURCES (USES)</b>	<b>(1,895,770)</b>	<b>(473,943)</b>	<b>(474,243)</b>	<b>-</b>	
<b>Excess (Deficiency) of Revenues and Other Financing Sources Over (Under) Expenditures and Other Uses</b>	<b>\$ (550,470)</b>	<b>\$ (137,618)</b>	<b>\$ (1,306,032)</b>	<b>\$ (1,168,114)</b>	





QUESTIONS?

Meeting Date: April 18, 2022



**CITY OF HAM LAKE**  
**MEMO**

**To:** Mayor and Councilmembers  
**From:** Andrea Murff, Finance/Human Resource Director  
**Subject:** Fire Station #3 Financing

**Introduction:**

During the March 21<sup>st</sup> meeting, Council was asked to give direction on the how to proceed with Fire Station # 3. It was discussed that Inspire Architect was in the final stage of planning and ready to move forward, but there was some points that needed to be discussed:

- **Cost of Building:** The cost to just design and build the building is coming in at \$1.9M. Currently, the plan is to cover this cost through a Capital Improvement Bond.
- **Cost to Equip the Building:** The equipment going into the building will be resourced through the Fire Equipment Fund, which at the end of 2021 had about \$1.5M available. The Fire Chief is proposing two options :
  - **Option 1:** This option would be approximately \$1.1 Million and would include a Pumper Truck, Rescue Truck, Cascade System, Washer/Dryer, Air Compressor, Wall Mount Gear Rack, and Misc. items such as tables, chairs, computers, etc.
  - **Option 2:** This option would be approximately \$815,500 and would include a Pumper Truck, Utility Truck, Cascade System, Washer/Dryer, Air Compressor, Wall Mount Gear Rack, and Misc. items such as tables, chairs, computers, etc.
- **Durant Street:** It was believed this road may need to be replaced in order to accommodate the weight of the fire equipment which prompted RFC Engineering to do bore testing on the road. After reviewing the results, Engineer Collins advised the road would not need to be replaced immediately if the project went forward, but may need to be moved up a few years on the Road Replacement Schedule.
- **Bidding:** Based on the last project, bidding was completed after bonding was complete; however, in order to lock in current prices in hopes of deterring high inflation, it might be wise to do bidding now with a caveat in the contract to increase bid price by a cost of living adjustment based on when construction could start.
- **Bonding:** Bonding is a long process and it could take at least 6 months before the City receives any proceeds. There are also items the City needs to complete in order to get the bonding needed with one of them having an estimated conservative cost for the project. If for any reason the cost of the project was more than the bond proceeds, we would need to use the Fire Equipment Fund to help offset the costs.

After the discussion, Council directed Finance Director Murff to pull together an analysis of the bonding and how it was going to affect the levy as well as if we bonded would we need to do referendum per the City Charter.

**Discussion:**

In review the City Charter it was found,

“no obligation shall be issued to pay current expenses, but the Council may issue and sell obligations for any other municipal purpose in accordance with law and within the limitations prescribed by law, Except in the case of obligations of less than 50 percent of the current City annual general fund budget and/or not to exceeding a total bond debt of more than 50 of the current City annual general fund budget, for which an election is not required by this charge or by law.”

The current general fund budget is \$6,302,318 and 50 percent of this would be \$3,151,159. Our current debt obligation is \$1,069,461 and the proposed bonding would add \$1,975,000 bringing the total debt obligation to \$3,044,461. This would not require an election.

Our financial advisor from Baker Tilly was also consulted and was able to provide a report of what the new bond would look like. (The report follows this memo.)

Below are some highlights from the report to consider:

- The 2010A bond has payments through 2026 and has an average total payment for \$195,594 from 2022 through 2026.
- The new bond would increase debt service payments an average of \$135,730.49 starting in 2024 through 2043.
- If 2022 tax capacity stayed consist with 2021 tax capacity, there would in an increase to the tax rate of 0.601 percent, which would increase taxes \$17.00 on house with a value of \$300,000.

Going one step forward, an analyzation of how bonding would affect the 2023 City budget as a whole. Increasing the 2022 City levy was 16 percent and the tax capacity 17 percent, it was found the tax rate might increase 0.38 percent. Below is the calculation of how the tax rate might be affected:

Levy Calculation				
		2021	2022	% Increase /(Decrease)
	General Fund Levy	5,391,443.00	6,254,073.88	16.00%
	2010A Levy	209,416.00	208,923.75	-0.24%
	Proposed Bond Levy	-	143,997.26	100.00%
	Total Levy	5,600,859.00	6,606,994.89	17.96%



<b>Tax Rate Calculation</b>				
		2021	2022	% Increase /(Decrease)
	Tax Capacity	24,682,146.00	28,878,110.82	17.00%
	Fiscal Disparity Contribution	(1,326,698.00)	(1,326,698.00)	0.00%
	Net Tax Capacity	23,355,448.00	27,551,412.82	17.97%
	Levy	5,600,859.00	6,606,994.89	17.96%
	Fiscal Disparity Distribution	(590,317.00)	(590,317.00)	0.00%
	Local Levy	5,010,542.00	6,016,677.89	20.08%
	<b>Tax Rate</b>	<b>21.45%</b>	<b>21.84%</b>	<b>0.38%</b>

It was then analyzed how all factors such as increased home values and the tax rate increase might affect the City portion of property taxes from 2022 to 2023. The chart below chart shows the increases:

2022 Home Value	2022 Estimated City Tax	2022 Home Value*	2022 Estimated City Tax	Amt of Increase
250,000.00	536.00	301,600.00	658.69	122.69
350,000.00	751.00	422,240.00	922.17	171.17
440,000.00	944.00	530,816.00	1,159.30	215.30
550,000.00	1,180.00	663,520.00	1,449.13	269.13
650,000.00	1,394.00	784,160.00	1,712.61	318.61

\*Increased home value 20.54% per the median increase in home value per the City Assessor report from 3/21/2022.

**Conclusion:**

Please advise staff on how to proceed with this project or if there is other information needed.

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**\$1,975,000**

**City of Ham Lake, Minnesota**  
General Obligation Capital Improvement Bonds, Series 2022

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**Sources & Uses**

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**Dated 08/01/2022 | Delivered 08/01/2022**

<b>Sources Of Funds</b>	
Par Amount of Bonds.....	\$1,975,000.00
<b>Total Sources.....</b>	<b>\$1,975,000.00</b>
<b>Uses Of Funds</b>	
Deposit to Project Construction Fund.....	1,900,000.00
Costs of Issuance.....	50,318.75
Total Underwriter's Discount (1.200%).....	23,700.00
Rounding Amount.....	981.25
<b>Total Uses.....</b>	<b>\$1,975,000.00</b>

**\$1,975,000**

**City of Ham Lake, Minnesota**  
**General Obligation Capital Improvement Bonds, Series 2022**

**Debt Service Schedule**

Date	Principal	Coupon	Interest	Total P+I	105% Levy
02/01/2023	-	-	-	-	-
02/01/2024	50,000.00	2.180%	87,140.25	137,140.25	143,997.26
02/01/2025	80,000.00	2.250%	57,003.50	137,003.50	143,853.68
02/01/2026	80,000.00	2.350%	55,203.50	135,203.50	141,963.68
02/01/2027	85,000.00	2.450%	53,323.50	138,323.50	145,239.68
02/01/2028	85,000.00	2.550%	51,241.00	136,241.00	143,053.05
02/01/2029	85,000.00	2.600%	49,073.50	134,073.50	140,777.18
02/01/2030	90,000.00	2.650%	46,863.50	136,863.50	143,706.68
02/01/2031	90,000.00	2.700%	44,478.50	134,478.50	141,202.43
02/01/2032	95,000.00	2.750%	42,048.50	137,048.50	143,900.93
02/01/2033	95,000.00	2.950%	39,436.00	134,436.00	141,157.80
02/01/2034	100,000.00	3.000%	36,633.50	136,633.50	143,465.18
02/01/2035	100,000.00	3.050%	33,633.50	133,633.50	140,315.18
02/01/2036	105,000.00	3.100%	30,583.50	135,583.50	142,362.68
02/01/2037	110,000.00	3.170%	27,328.50	137,328.50	144,194.93
02/01/2038	110,000.00	3.230%	23,841.50	133,841.50	140,533.58
02/01/2039	115,000.00	3.280%	20,288.50	135,288.50	142,052.93
02/01/2040	120,000.00	3.320%	16,516.50	136,516.50	143,342.33
02/01/2041	125,000.00	3.350%	12,532.50	137,532.50	144,409.13
02/01/2042	125,000.00	3.400%	8,345.00	133,345.00	140,012.25
02/01/2043	130,000.00	3.150%	4,095.00	134,095.00	140,799.75
<b>Total</b>	<b>\$1,975,000.00</b>	<b>-</b>	<b>\$739,609.75</b>	<b>\$2,714,609.75</b>	<b>\$2,850,340.24</b>

**SIGNIFICANT DATES**

Dated.....	8/01/2022
Delivery Date.....	8/01/2022
First Coupon Date.....	8/01/2023

**Yield Statistics**

Bond Year Dollars.....	\$23,827.50
Average Life.....	12.065 Years
Average Coupon.....	3.1040174%
Net Interest Cost (NIC).....	3.2034823%
True Interest Cost (TIC).....	3.2086903%
Bond Yield for Arbitrage Purposes.....	3.0843253%
All Inclusive Cost (AIC).....	3.4798525%

**IRS Form 8038**

Net Interest Cost.....	3.1040174%
Weighted Average Maturity.....	12.065 Years

Interest rates are estimates. Changes in rates may cause significant alterations to this schedule. The actual underwriter's discount bid may also vary.



\$1,975,000

City of Ham Lake, Minnesota
General Obligation Capital Improvement Bonds, Series 2022

Debt Service Schedule

Table with 7 columns: Date, Principal, Coupon, Interest, Total P+I, 105% Levy, Fiscal Total. Rows include dates from 08/01/2022 to 02/01/2043 and a Total row.

SIGNIFICANT DATES

Table with 2 columns: Description (Dated, Delivery Date, First Coupon Date) and Date (8/01/2022, 8/01/2022, 8/01/2023).

Yield Statistics

Table with 2 columns: Description (Bond Year Dollars, Average Life, Average Coupon, Net Interest Cost (NIC), True Interest Cost (TIC), Bond Yield for Arbitrage Purposes, All Inclusive Cost (AIC)) and Value/Percentage.

IRS Form 8038

Table with 2 columns: Description (Net Interest Cost, Weighted Average Maturity) and Value/Percentage.

Interest rates are estimates. Changes in rates may cause significant alterations to this schedule. The actual underwriter's discount bid may also vary.

2022 GO CIP Bond-JE | SINGLE PURPOSE | 3/29/2022 | 10:44 AM



City of Ham Lake, Minnesota  
 Aggregate Capital Improvement Improvement Plan Debt  
 Minnesota Statutes Section 475.521

**Aggregate Debt Service -- Accrual Basis**

Calendar Year	2010 GO CIP Bond	2022 GO CIP Bonds *	TOTAL
2022	196,993.75	-	196,993.75
2023	196,709.38	58,093.50	254,802.88
2024	196,050.00	107,548.50	303,598.50
2025	194,887.50	136,103.50	330,991.00
2026	193,325.00	134,263.50	327,588.50
2027	-	137,282.25	137,282.25
2028	-	135,157.25	135,157.25
2029	-	132,968.50	132,968.50
2030	-	135,671.00	135,671.00
2031	-	133,263.50	133,263.50
2032	-	135,742.25	135,742.25
2033	-	133,034.75	133,034.75
2034	-	135,133.50	135,133.50
2035	-	132,108.50	132,108.50
2036	-	133,956.00	133,956.00
2037	-	135,585.00	135,585.00
2038	-	132,065.00	132,065.00
2039	-	133,402.50	133,402.50
2040	-	134,524.50	134,524.50
2041	-	135,438.75	135,438.75
2042	-	131,220.00	131,220.00
2043	-	132,047.50	132,047.50
-	\$977,965.63	\$2,714,609.75	\$3,692,575.38

\* Estimate

2021 Estimated Market Value	\$2,143,670,460
Statutory Max Principal and Interest (0.16%)	\$3,429,873
Estimated Maximum Debt Service	\$330,991
Estimated Unused Capacity	\$3,098,882

**City of Ham Lake, Minnesota  
General Obligation CIP Bonds, Series 2022**

	<b>20 Year Term</b>
<b>Estimated Average Levy at 105%</b>	<b>\$142,517</b>
<b>Existing Levy</b>	<b>\$0</b>
<b>Increase</b>	<b>\$142,517</b>
<b>2021 Adjusted TNTC</b>	<b>\$23,718,202</b>
<b>Estimated Est. Tax Rate (b):</b>	<b>0.601%</b>

<b>Property Type</b>	<b>Estimated Market Value (a)</b>	
<b>Residential</b>	100,000	4
<b>Homestead</b>	125,000	6
	150,000	8
	175,000	9
	200,000	11
	225,000	12
	250,000	14
	275,000	16
	300,000	17
	500,000	30
	600,000	38
	750,000	49
	1,000,000	68
<b>Commercial/Industrial</b>	\$100,000	9
	250,000	26
	500,000	56
	1,000,000	116
	3,000,000	356
	5,000,000	596
	7,000,000	837
	10,000,000	1,197
<b>Apartments (4 or More Units)</b>	\$ 100,000	8
	200,000	15
	500,000	38
	1,000,000	75
	3,000,000	225
	5,000,000	376
	7,000,000	526
	10,000,000	751

(a) Estimated market value is the assessed value, the basis for how each property's taxable market value is calculated.

(b) The tax rate increase is derived by dividing the required amount levied for debt service by total net tax capacity for all properties in the district.

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**\$1,975,000**

**City of Ham Lake, Minnesota**  
General Obligation Capital Improvement Bonds, Series 2022

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**Disclosure**

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