



STAFF REPORT

DATE: August 20, 2024

CONSENT

AGENDA ITEM: Accept Quotes and Award Contract for the 2024 Striping Project

SUBMITTED BY: Jack Griffin, City Engineer

REVIEWED BY: Nicole Miller, City Administrator
Clarissa Handler, Finance Director
Marty Powers, Public Works Director
Mike Rusenovich, Project Engineer

ISSUE BEFORE COUNCIL: Should the City Council accept quotes and award a construction contract for the 2024 Striping Project?

BACKGROUND: In accordance with the City's annual street maintenance program, certain streets have been scheduled to be seal coated in 2024. Streets that have existing pavement markings must be restriped after the seal coat work is complete. See attached Location Map. The street maintenance work programmed in 2024 was reviewed jointly by Public Works and Engineering to confirm the work to be completed.

PROPOSAL DETAILS/ANALYSIS: Quotes for striping were solicited from 3 qualified contractors and 1 quote was received on August 2, 2024. Sir Lines-A-Lot LLC submitted a quote of \$19,124.74. See attached quote form. The striping work is required to be completed by October 30, 2024.

FISCAL IMPACT: The total contract to be authorized for the striping contract is \$19,124.74. The project costs are funded through the City's annual street maintenance budget. With this contract award, the cumulative street maintenance projects remain within budget.

RECOMMENDATION: Staff is recommending that the City Council consider, *as part of the Consent Agenda*, accepting the quotes and awarding a construction contract to Sir Lines-A-Lot, LLC in the amount of \$19,124.74 for the 2024 Striping Project. If removed from the consent agenda, the recommended motion for this action is as follows:

“Move to accept the quotes and award a Construction Contract to Sir Lines-A-Lot, LLC in the amount of \$19,124.74 for the 2024 Striping Project.”

ATTACHMENTS:

1. Sir Lines-A-Lot, LLC Striping Quote.
2. 2024 Striping Project Location Map.

**QUOTE PROPOSAL FOR THE
2024 STRIPING PROJECT
LAKE ELMO, MINNESOTA**

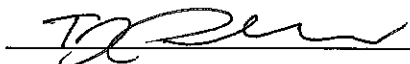
ITEM NO.	ITEM	UNIT	QUANTITY	UNIT PRICE	TOTAL AMOUNT
1	4" Solid Line – White Acrylic Latex	LF	22,477	0.29	6,518.33
2	4" Broken Line – Yellow Acrylic Latex	LF	11,545	0.14	1,616.30
3	4" Solid Line – Yellow Acrylic Latex	LF	9,819	0.29	2,847.51
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5	24" Solid Line – White Acrylic Latex	LF	397	7.50	2,977.50
6	12" Solid Line – White Crosswalk Striping	LF	101	7.30	737.30
7	ADA Parking Stall Symbols	EA	2	65.00	130.00
TOTAL LAKE ELMO STRIPING PROJECT				*19,124.74	

Payment for striping project streets in accordance with the Contract Documents will be per Linear Foot for line markings and per Each for symbols. We have examined the site of the work and are acquainted with all conditions affecting the construction of the work.

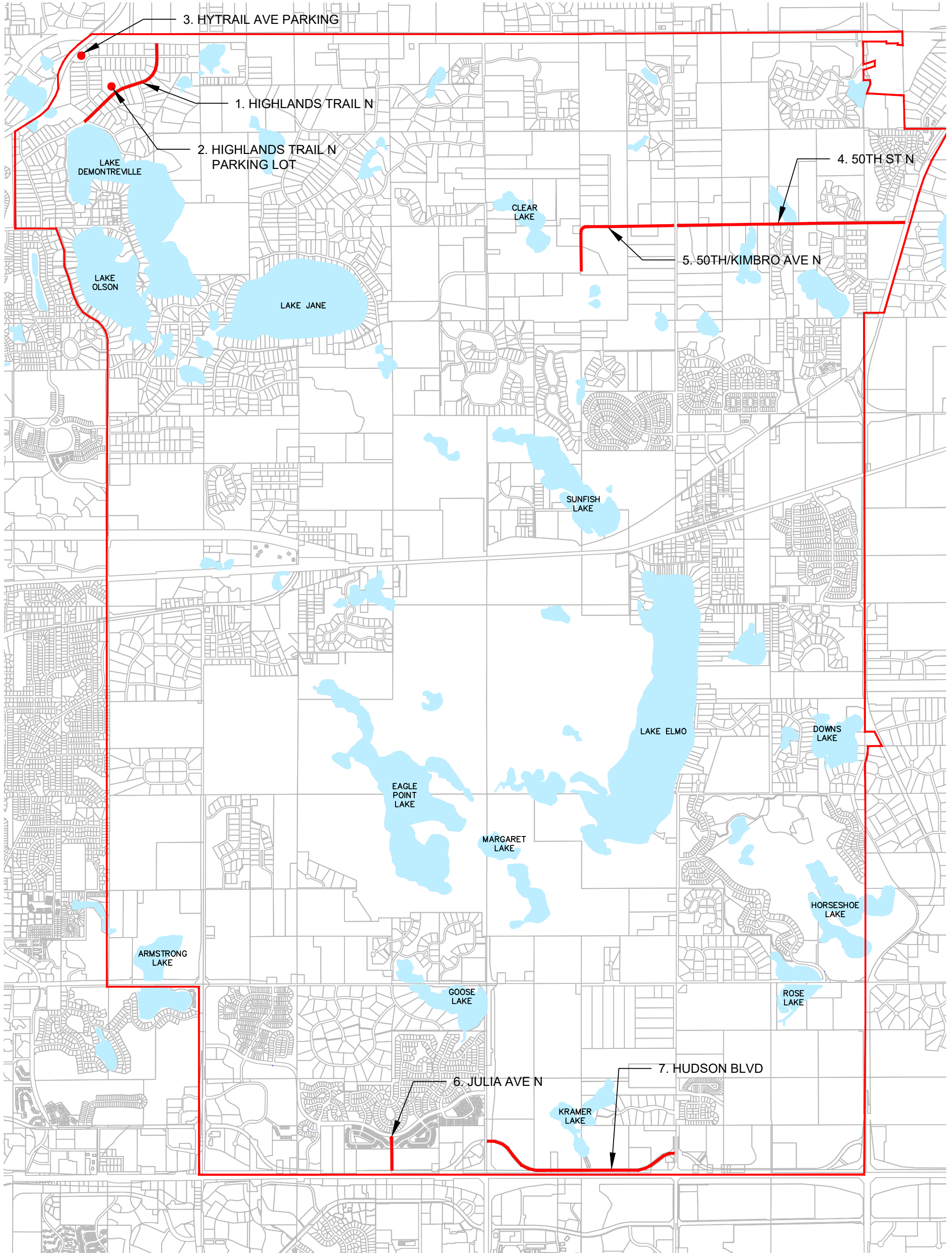
We understand and agree that the City may chose to award the project to the lowest responsible quote or in the best interest of the City. The City reserves the right to reject any or all quotes, to waive any informalities in any Quote, and to omit any part of the above work.

We agree that if this Proposal is accepted, we will execute a Contract in the form attached to this bid package. If we are awarded the Contract, we will complete the work by **OCTOBER 30, 2024**.


Respectfully submitted,

Firm Name Sir Lines-A-Lot, LLC
 Signature 
 Signed by T.J. Phillips
 Title Lead Estimator
 Contact Phone Number 952-913-8382
 Address 7175 Cahill Road
Edina, MN, 55439

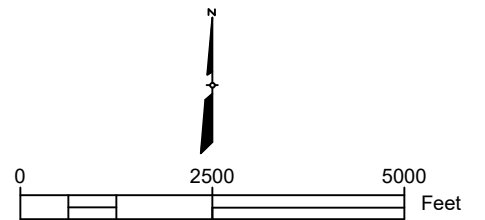
CITY OF LAKE ELMO



LEGEND

 2024 STRIPING

2024 STREET STRIPING MAP



JULY 2024

**CITY OF LAKE ELMO, MINNESOTA
2024 STRIPING PROJECT
PROJECT NO. 2024.108**

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**CONSTRUCTION CONTRACT FOR THE
2024 STRIPING PROJECT
LAKE ELMO, MINNESOTA**

This Contract, made this 20th day of August 2024, by the City of Lake Elmo, Minnesota (hereinafter called the "Owner") and Sir Lines-A-Lot, LLC (hereinafter called the "Contractor").

WITNESSETH that the parties hereto agree as follows:

The Contractor shall provide all labor, services, materials, equipment and machinery, transportation, tools, fuel, power, light, heat, telephone, water, sanitary facilities, temporary facilities, and all other facilities and incidentals, including profit and overhead, necessary for the performance, testing, start-up, and completion of the work as described herein:

DESCRIPTION OF WORK: The Contractor shall place acrylic latex pavement markings for the City of Lake Elmo on the streets shown on the attached Location Map, dated July, 2024, and in accordance with the attached Street List and Striping Tabulation form dated July, 2024. All pavement markings shall be acrylic latex waterborne traffic marking paint with Drop-on Glass Beads. The Contractor shall provide all necessary traffic control in accordance with the MMUTCD.

All work shall be in accordance with City of Lake Elmo Specifications, Section 3217 Pavement Markings and applicable MnDOT "Standard Specifications for Construction (2020 Edition)".

Placement of pavement materials shall be permitted only on a clean, dry pavement surface and air and pavement temperatures must be at least 50 degrees F. Markings shall not be applied when the wind or other conditions cause a film of dust to be deposited on the pavement surface before the material can be applied. Permanent pavement markings shall not be placed over temporary tape markings.

All pavement markings not conforming to the requirements of the Contract shall be removed and replaced or otherwise repaired to the satisfaction of the Engineer. Removal of unacceptable work shall be accomplished with suitable blasting or grinding equipment unless other means are authorized by the Engineer.

The Contractor will be paid per Linear Foot for line markings and per Each for symbols completed in accordance with the Construction Contract.

All work shall be completed within the specified time frame and under the terms and conditions provided within this Construction Contract, and in accordance with the "General Conditions" shown in this contract. The contractor shall complete the proposed work by **OCTOBER 30, 2024**.

The Owner will make payment for the whole contract upon acceptance by the Owner of all work required hereunder and in compliance with all the terms and conditions of this contract.

TOTAL AMOUNT (INSERT FROM QUOTE FORM): \$ 19,124.74

IN WITNESS WHEREOF, the parties hereto have executed this contract as of the date first above written.

(Contractor)

(City of Lake Elmo)

GENERAL CONDITIONS

- I. CHANGES IN WORK. - The Owner may at any time, make changes in the drawings and specifications, within the general scope thereof. If such changes cause an increase or decrease in the amount due under this contract or in the time required for its performance, an equitable adjustment will be made, and this contract will be modified accordingly by a "Contract Change Order". No charge for any extra work or material will be allowed unless the same has been ordered on such contract change order by the Owner and the price therefore stated in the order.
- II. INSPECTION OF WORK. - All materials and workmanship will be subject to inspection, examination, and test, by the Owner, who will have the right to reject defective material and workmanship or require its correction.
- III. COMPLETION OF WORK. - If the Contractor refuses or fails to complete the work within the time specified in this contract, or any extension thereof, the Owner may terminate the Contractor's rights to proceed. In such event the Owner may take over the work and prosecute the same to completion by contract or otherwise, and the Contractor will be liable for any excess cost occasioned the Owner thereby; and the Owner may take possession of and utilize in completing the work such materials and equipment as may be on the site of the work and necessary therefore. If the Owner does not terminate the right of the Contract to proceed, the Contractor will continue the work, in which event, actual damages for delay will be impossible to determine, and in lieu thereof, the Contractor may be required to pay to the Owner the sum of **\$100** as liquidated damages for each calendar day of delay, and the Contractor will be liable for the amount thereof: Provided, however, that the right of the Contractor to proceed will not be terminated because of delays in the completion of the completion of the work due to unforeseeable causes beyond the Contractor's control and without Contractor's fault or negligence.
- IV. RELEASES. - Prior to final payment, the Contractor will submit evidence that all payrolls, material bills, and other indebtedness connected with the work have been paid as required by the Owner.
- V. OBLIGATION TO DISCHARGE LIENS. - Acceptance by the Owner of the completed work performed by the Contractor and payment therefore by the Owner will not relieve the Contractor of obligation to the Owner (which obligation is hereby acknowledged) to discharge any and all liens for the benefit of subcontractors, laborers, material-person, or any other persons performing labor upon the work or furnishing material or machinery for the work covered by this contract, which have attached to or may subsequently attach to the property, or interest of the Owner.
- VI. NOTICES AND APPROVAL IN WRITING. - Any notice, consent, or other act to be given or done hereunder will be valid only if in writing.
- VII. CLEANING UP. - The Contractor shall keep the premises free from accumulation of waste material and rubbish and at the completion of the work shall remove from the premises all rubbish, implements and surplus materials.
- VIII. WARRANTY. - Contractor warrants and guarantees that title to all work, materials, and equipment covered by any Application for Payment, whether incorporated in the Project or not, will pass to Owner no later than the time of payment free and clear of all Liens. If within one year after completion of the work, any work is found to be defective, Contractor shall promptly, without cost to the Owner, correct such defective work as approved by the Owner.
- IX. INDEMNIFICATION. - Contractor shall defend and indemnify the city against claims brought or actions filed against the city or any of its officers, employees or agents for property damage, bodily injury or death to third persons, arising out of or relating to contractors work under the contract.
- X. WORKERS' COMPENSATION INSURANCE. - Contractor shall provide a certificate of insurance showing evidence of workers' compensation coverage or provide evidence of qualification as a self-insurer of workers' compensation.
- XI. LIABILITY INSURANCE REQUIREMENTS. - A certificate of insurance acceptable to the City shall be filed with the City prior to the commencement of the work. The certificate and the required insurance policies shall contain a provision that the coverage afforded under the contract will not be canceled or allowed to expire until at least 30 days prior written notice has been given to the city. Contractor shall maintain commercial general liability (CGL) insurance with a limit of not less than \$1,000,000 each occurrence and an aggregate limit of not less than \$2,000,000. The CGL insurance shall cover liability arising from premises, operations, independent contractors, subcontractors, products-completed operations, personal injury and advertising injury, and contractually-assumed liability. The City and FOCUS Engineering, Inc. shall be named as an additional insured under the CGL. Contractor shall maintain automobile liability insurance, and if necessary, umbrella liability insurance with a limit of not less than \$1,000,000 each accident and an aggregate limit of not less than \$2,000,000. The insurance shall cover liability arising out of any auto, including owned, hired, and non-owned autos.

**QUOTE PROPOSAL FOR THE
2024 STRIPING PROJECT
LAKE ELMO, MINNESOTA**

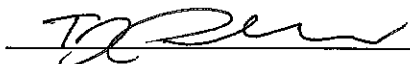
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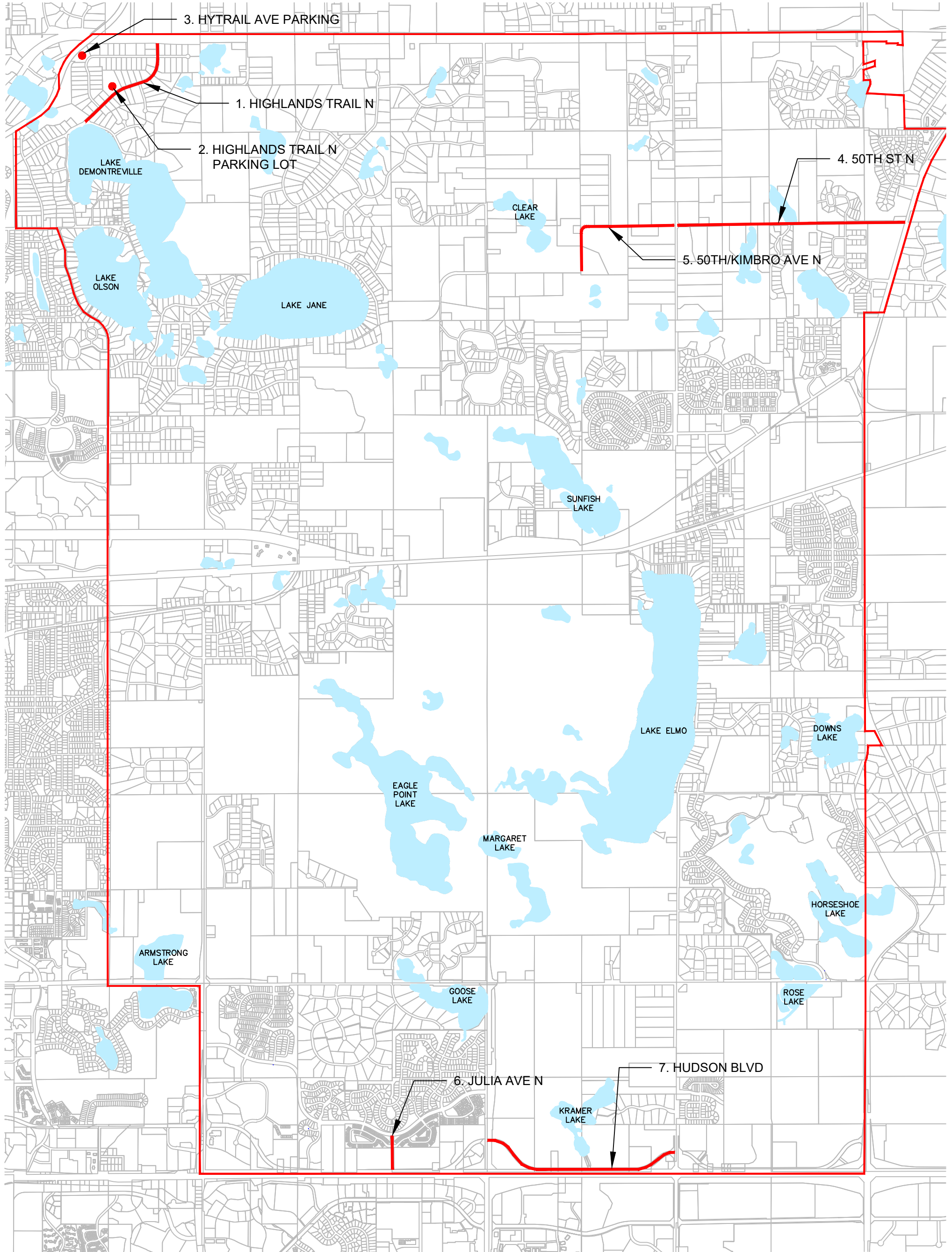
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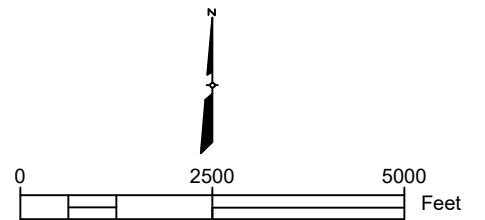
CITY OF LAKE ELMO



LEGEND

 2024 STRIPING

2024 STREET STRIPING MAP



JULY 2024

CITY OF LAKE ELMO, MINNESOTA
2024 STRIPING PROJECT
PROJECT NO. 2024.108

STREET LIST AND STRIPING TABULATION

	Street	FROM:	TO:	Single White (LF)	Broken Yellow (LF)	Single Yellow (LF)	Double Yellow (LF)	24" Stop Bar / 24" Hatching (LF)	12" Crosswalk Striping (LF)	ADA Symbol (EA)	Notes
1	HIGHLANDS TRL N	Demontreville Trl N	TH 36	6255			3066				No Turn Arrows
2	HIGHLANDS TRL PARKING LOT			634							2 Note ADA Symbols and Hatched Stall
3	HYTRAIL AVE PARKING LOT			150							Stall Striping Only
4	50TH ST N	Lake Elmo Ave N	Stillwater Blvd N (CSAH 15)	120	4428	5762		44			2 Turn Arrows protected during construction (East end)
5	50TH / KIMBRO	Lake Elmo Ave N	47th St N	7502	3426	1068	325				No Turn Arrows
6	JULIA AVE N	5th St N	Hudson Blvd N		1054	1480			101		6 Turn Arrows protected during construction
7	HUDSON AVE N	Keats Ave N	Lake Elmo Ave N	7816	2637	1509	4019	353			5 turn arrows protected during construction

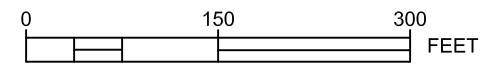
Sum (LF): 22,477 11,545 9,819 7,410 397 101 2
LF SINGLE WHITE LF BROKEN YELLOW LF SINGLE YELLOW LF DOUBLE YELLOW LF STOP BAR LF XWALK ADA SYMBOLS



4" DOUBLE YELLOW SOLID LINE

PARKING LOT STRIPING
SEE REFERENCE SHEET

4" SINGLE WHITE SOLID LINE (TYP.)



I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED REGISTERED ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA

Amanda Groh
AMANDA GROH, P.E.
DATE: APRIL 2, 2018 LIC. NO.: 55538

2018 SEAL COAT PROJECT
HIGHLANDS TRAIL N
STRIPING
CITY OF LAKE ELMO,
MINNESOTA

FOCUS ENGINEERING, inc.

SHEET NO.
01

REV. NO.	REVISION



4" DOUBLE YELLOW SOLID LINE

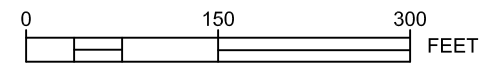
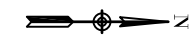
4" SINGLE WHITE SOLID LINE (TYP.)

HIGHLANDS CT N

HYTRAIL AVE N

HIGHLANDS TRL N

TH 36



I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA

Amanda Groh
AMANDA GROH, P.E.

DATE: JUNE 6, 2017 LIC. NO.: 55538

2018 SEAL COAT PROJECT
HIGHLANDS TRAIL N
STRIPING
CITY OF LAKE ELMO,
MINNESOTA

FOCUS ENGINEERING, inc.

SHEET NO.
02

REV. NO.	REVISION

PAVEMENT MARKING LEGEND

A	SIZE IN INCHES	ABC	LATEX PAINT
B	Solid, Broken, Double, Dotted		
C	COLOR (White, Yellow)		

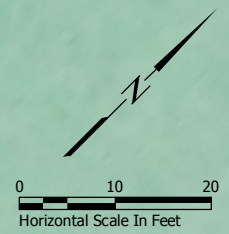
NOTE: CURB ELEVATIONS ARE SET TO FLOW LINE



2335 Highway 36 W
St. Paul, MN 55113
Ph: 651-636-4600
Fax: 651-636-1311

www.stantec.com
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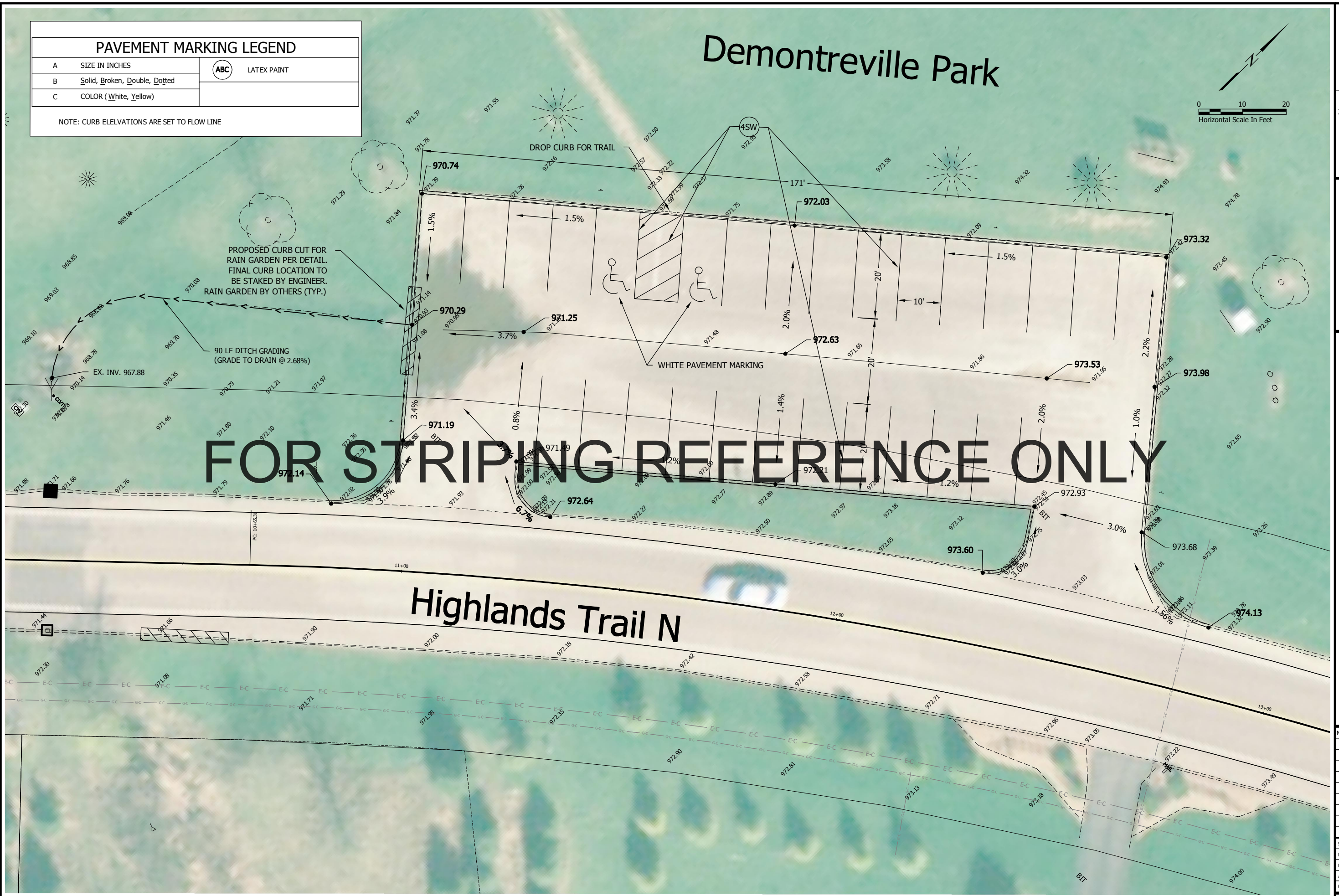
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PRINT NAME: CHARLES D. SCHWARTZ
SIGNATURE: *Charles D. Schwartz*
DATE: 5/2/2012 LIC. NO. 25785



Demontreville Park

FOR STRIPING REFERENCE ONLY

DEMONTREVILLE PARK PARKING LOT



LAKE ELMO, MINNESOTA
2012 STREET AND WATER QUALITY IMPROVEMENTS
DEMONTREVILLE PARK
PARKING LOT IMPROVEMENTS

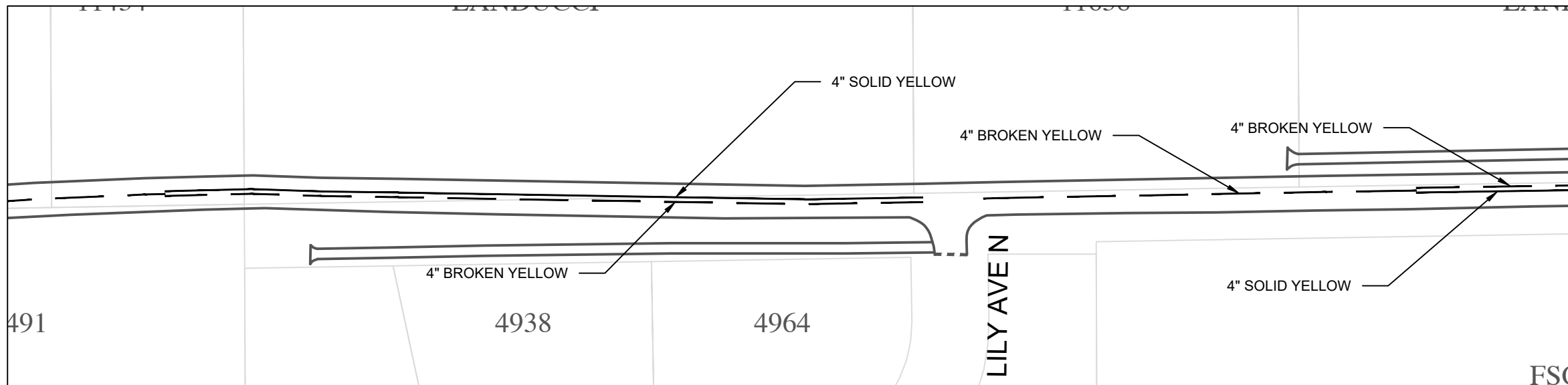
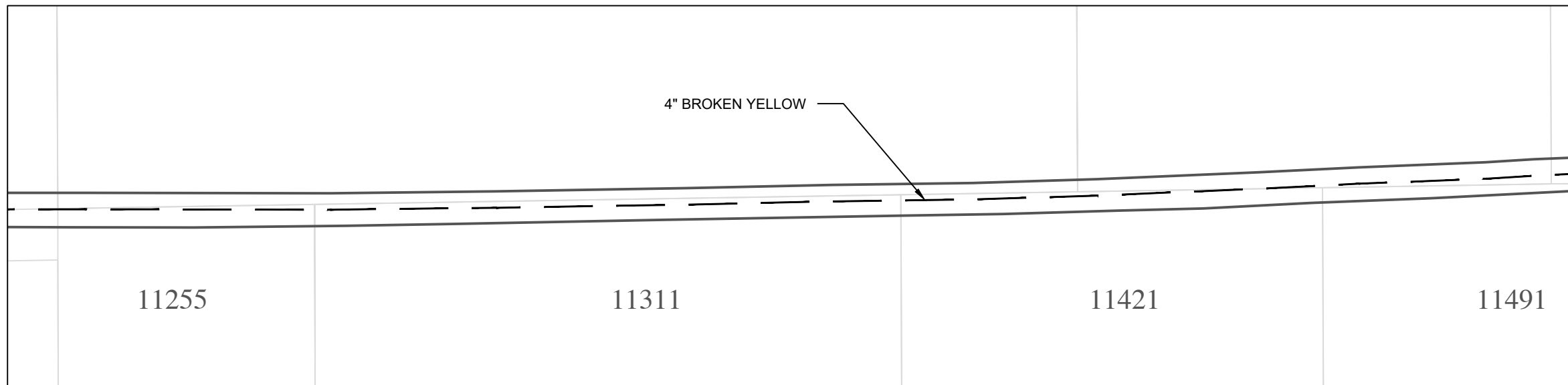
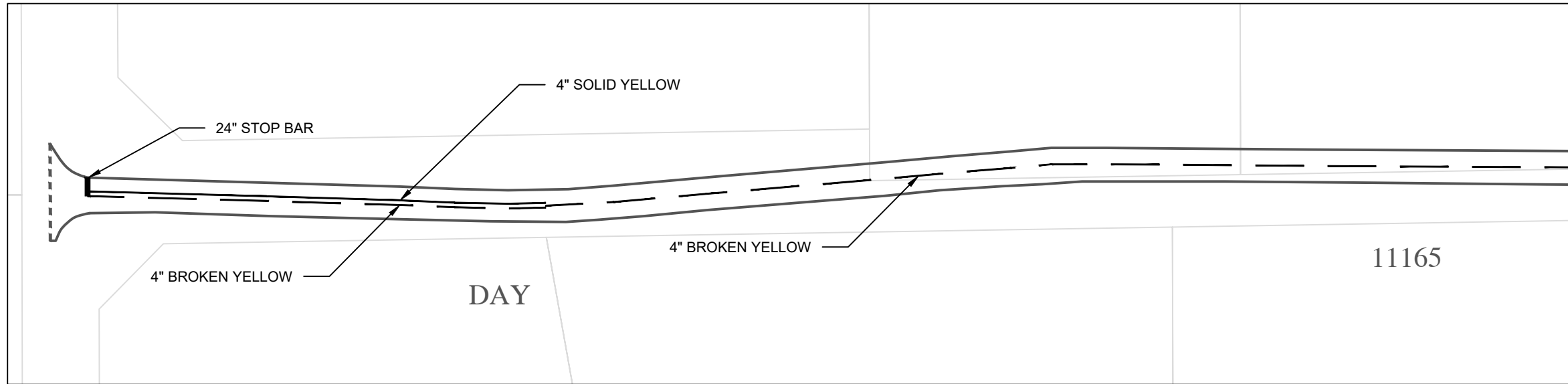
NO.	REVISION	DATE

SURVEY
DRAWN MRW
DESIGNED MRW
APPROVED CDS
PROJ. NO. 193801373
SHEET NUMBER
C6.09

V:\193801\active\193801373\CAD\DWG\193801373C609.dwg 6/7/2012 11:55:49 AM



Hytrail Ave Parking Lot:
Six 4" SW stripes at 25 ft long



- NOTES:
1. EPOXY RESIN AND DROP-ON GLASS BEADS FOR ALL PAVEMENT MARKINGS, EXCEPT PAVEMENT SYMBOLS, SHALL MEET THE REQUIREMENTS OF MnDOT "SPECIFICATIONS FOR CONSTRUCTION, 2018 EDITION"
 2. ALL PAVEMENT MARKING SYMBOLS SHALL BE GROUND IN PREFORMED THERMOPLASTIC PAVEMENT MATERIAL

HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY OR UNDER THE SUPERVISION AND THAT I AM A DULY LICENSED REGISTERED ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA

Michael Rosenovich
MICHAEL ROSENOVICH, P.E.

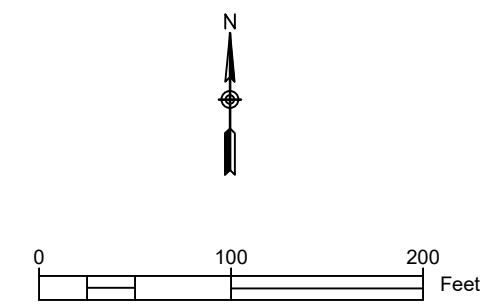
DATE: JANUARY 19, 2021 LIC. NO. 58717

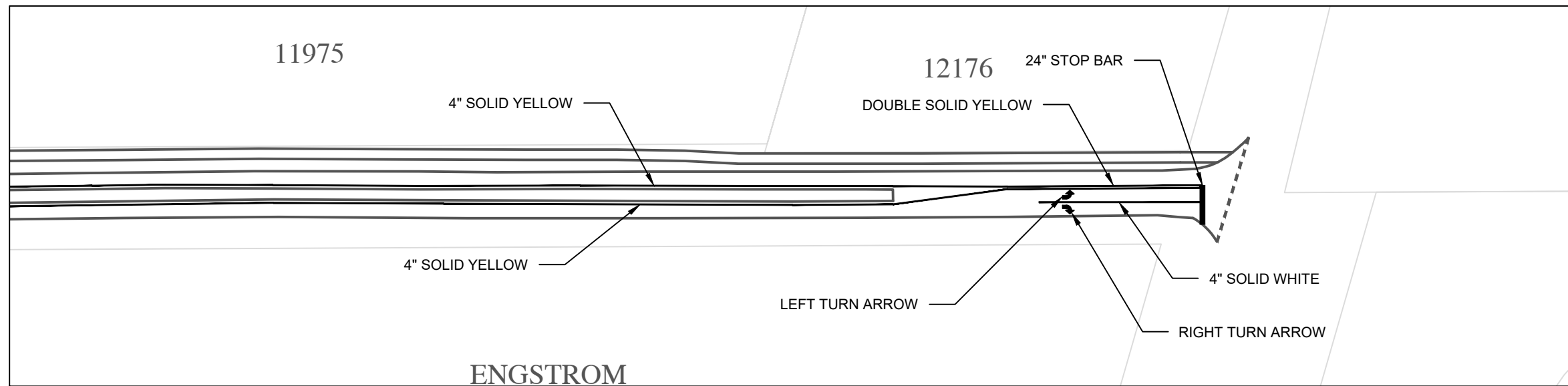
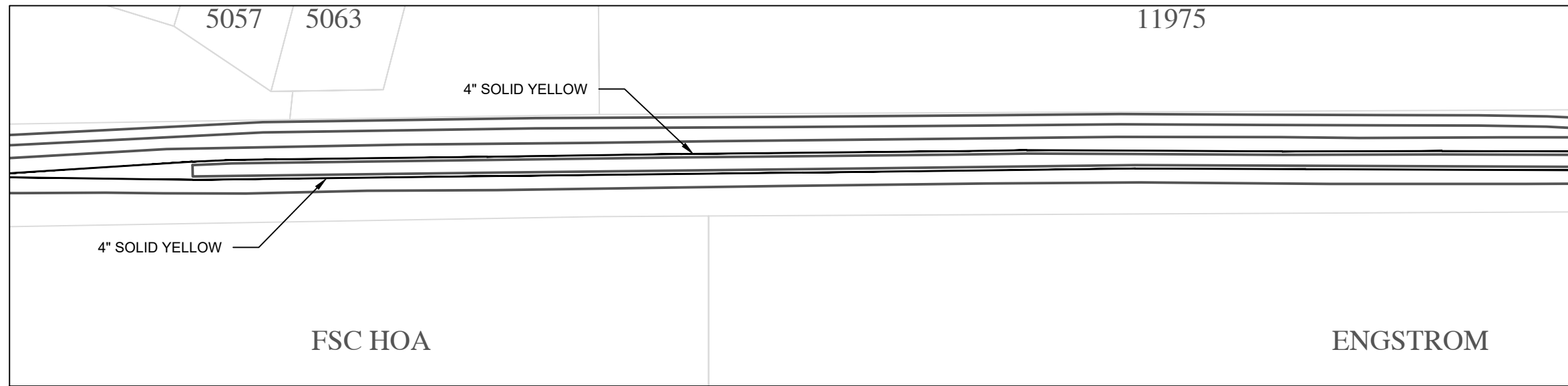
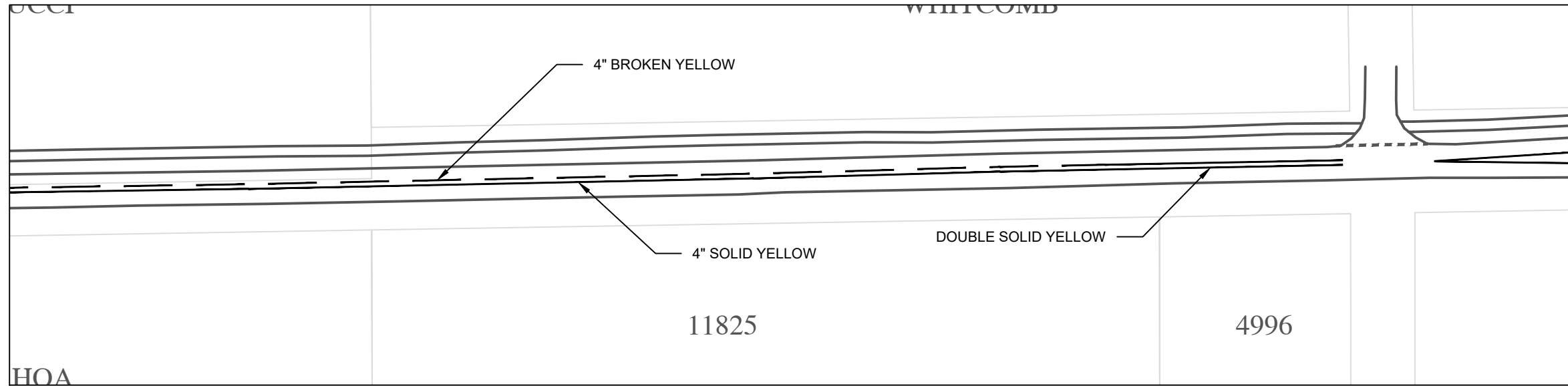
2021 MILL AND OVERLAY PROJECT
50TH ST N STRIPING PLAN
CITY OF LAKE ELMO,
MINNESOTA

FOCUS ENGINEERING, inc.

SHEET NO.

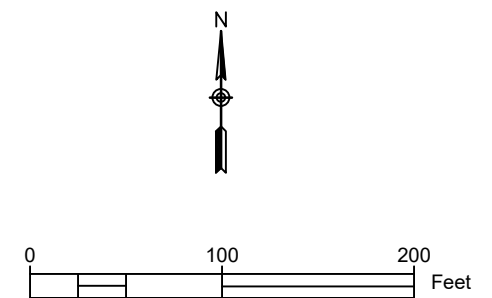
07





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STRIPING SCHEDULE - 50TH ST N		
TYPE	UNIT	QUANTITY
4" BROKEN YELLOW	LF	4428
4" SOLID YELLOW	LF	5762
4" SOLID WHITE	LF	120
TURN ARROW	EA	2
STOP BAR	EA	2



I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA
Michael Rosenovich
 MICHAEL ROSENOVICH, P.E.
 DATE: JANUARY 19, 2021 LIC. NO. 58717

2021 MILL AND OVERLAY PROJECT
 50TH ST N STRIPING PLAN
 CITY OF LAKE ELMO, MINNESOTA

FOCUS ENGINEERING, inc.
 SHEET NO. **08**

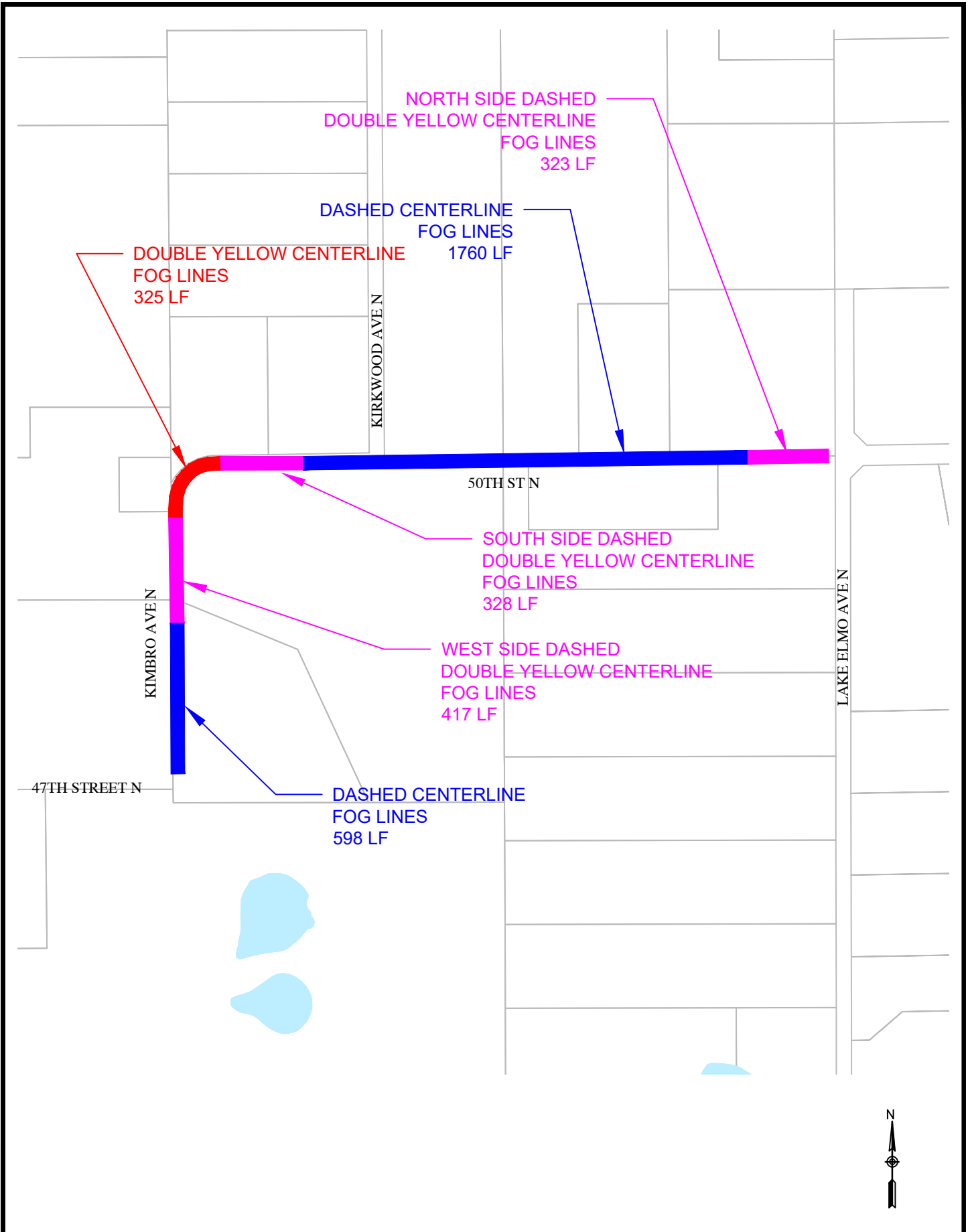


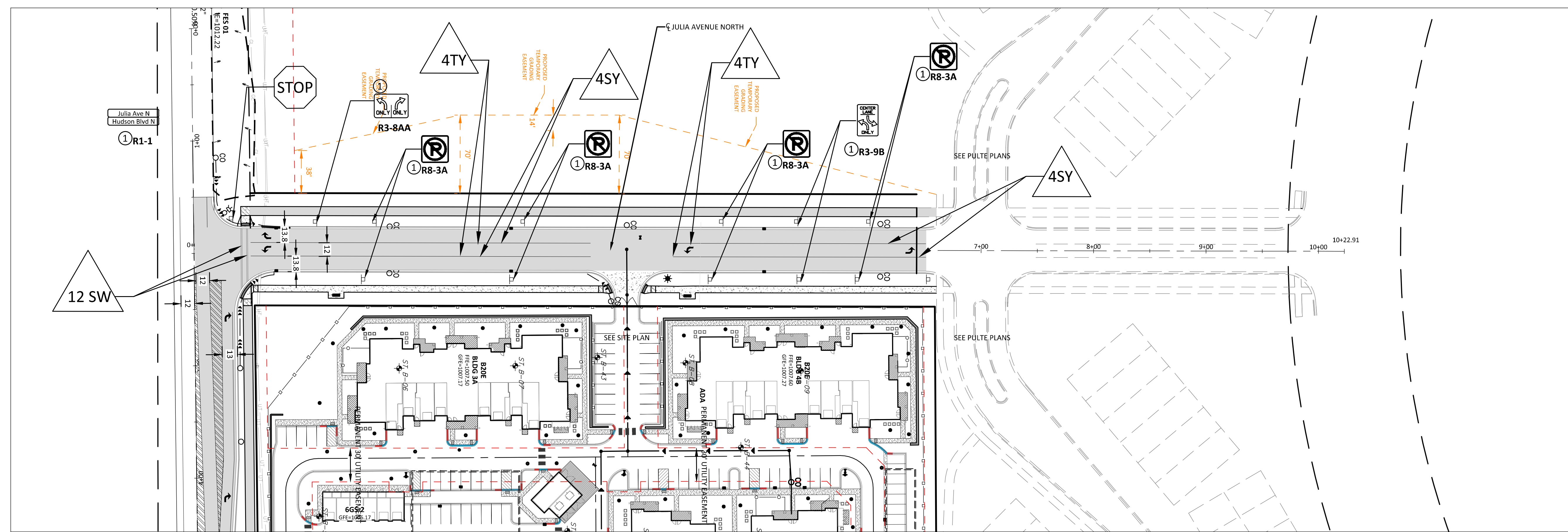
FIGURE NO. 1

STRIPING PLAN

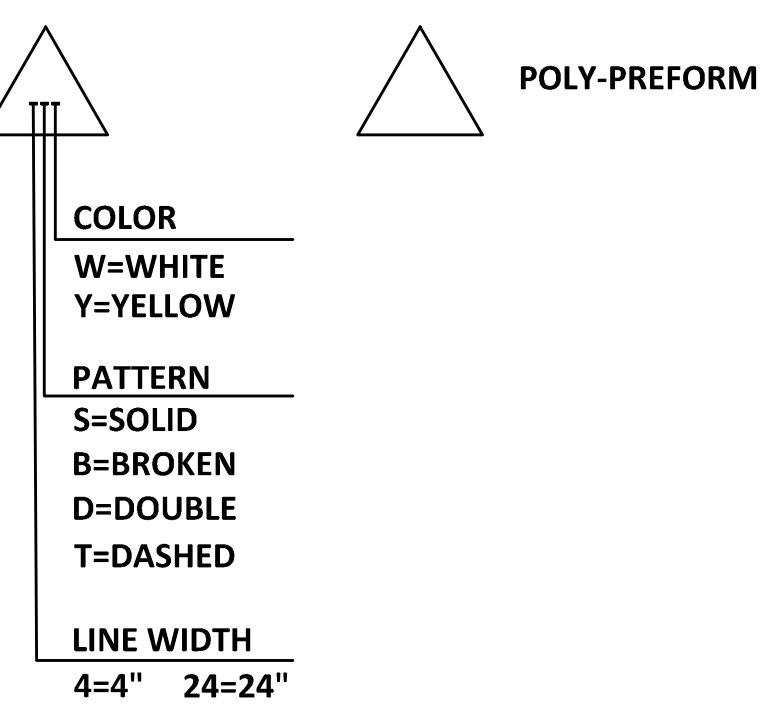
50TH STREET N AND KIMBRO AVE N

Revision History

No.	Date	By	Submittal / Revision
4/12/2019			CITY SUBMITTAL
5/1/2019			CITY SUBMITTAL
6/11/2019			BID SET
7/26/2019			CITY SUBMITTAL
7/30/2019			STORM SEWER UPDATE
8/14/2019			VBWD COMMENTS
8/19/2019			CITY SUBMITTAL
9/18/2019			VBWD COMMENTS
9/26/2019			CITY SUBMITTAL
10/3/2019			VBWD & DLI COMMENTS
11/26/2019			CITY SUBMITTAL
12/11/2019			CITY SUBMITTAL
03/16/2020			CITY SUBMITTAL
01/29/2020			CITY SUBMITTAL
02/12/2020			CITY SUBMITTAL
02/26/2020			CITY SUBMITTAL
03/23/2020			CONSTRUCTION DOCUMENTS
04/20/2020			ADDITIONAL SMALL UTILITIES
08/05/2020			CONSTRUCTION DOCUMENTS
10/13/2020			RECORD PLANS
10/21/2020			STORM SEWER ADJUSTMENTS
08/09/2021			MISC. PLAN REVISIONS



STRIPING KEY



LEGEND

- ① FURNISH AND INSTALL
- RIGHT TURN ARROW (PERFORMED THERMOPLASTIC, GROUND-IN)
- LEFT TURN ARROW (PERFORMED THERMOPLASTIC, GROUND-IN)
- ☀ TRADITIONAL COLONIAL LED TYPE B 4000 LUMENS (BLACK) WITH 15' WASHINGTON FLUTED BLACK ALUMINUM POLE
- ☉ XCEL EVANS FIXTURE (BLACK) WITH 25' FLUTED BLACK ALUMINUM POLE

SIGN PANELS

SIGN TYPE	NEW QTY.	POSTS		MITG HT (1)	PANEL			PANEL LEGEND
		NO AND TYPE	LENGTH FEET		SIZE INCH	AREA SQ. FT	TOTAL AREA SQ. FT	
R1-1	1	1-ST	12	7	36 x 36	9.00	9.00	STOP
-	2		13	7	9x36	2.25	4.50	STREET NAME SIGN
R3-7R	2		13	7	36x36	9.00	18.00	RIGHT LANE MUST TURN RIGHT
R3-8AA	1		13	7	36x30	7.50	7.50	LEFT TURN, RIGHT TURN
R3-8AC	1		13	7	36x30	7.50	7.50	LEFT TURN, THRU
R3-8CA	2		13	7	36x30	7.50	15.00	THRU, RIGHT TURN
R3-9B	2		13	7	24x36	6.00	12.00	CENTER LANE
R8-3A	8	2-U	13	7	18x18	2.25	18.00	NO PARKING ANY TIME
TOTAL:							91.50	

NOTES:

- 1) UNLESS OTHERWISE NOTED ALL SIGNS SHALL BE PLACED AS DETAILED ON THE SIGNING AND STRIPING SHEETS.
- 2) LOCATE ALL EXISTING UNDERGROUND UTILITIES LIGHTING WIRES PRIOR TO SIGN INSTALLATION.

STANDARD PLAN NOTES
SIGNING/PAVEMENT MARKINGS/LIGHTING PLANS

APRIL 2019

CITY OF LAKE ELMO

STANDARD DRAWING NO. 900A LAKE ELMO

0 50 100
SCALE IN FEET

NORTH

THE SUBSURFACE UTILITY INFORMATION SHOWN ON THESE PLANS IS A UTILITY QUALITY LEVEL. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF ASCE/CI 38-02, TITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA." THE CONTRACTOR AND/OR SUBCONTRACTORS SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. BY CONTACTING THE NOTIFICATION CENTER (FOR THE STATE OF MINNESOTA), THE CONTRACTOR AND/OR SUBCONTRACTOR AGREE TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES, WHICH MIGHT BE OCCASIONED BY HIS OR HER FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UTILITIES (UNDERGROUND AND OVERHEAD).

IF THE CONTRACTOR ENCOUNTERS ANY DRAIN TILE WITHIN THE SITE, HE OR SHE SHALL NOTIFY THE ENGINEER WITH THE LOCATION, SIZE, INVERT AND IF THE TILE LINE IS ACTIVE. NO DRAIN TILE SHALL BE BACKFILLED WITHOUT APPROVAL FROM THE PROJECT ENGINEER.

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.

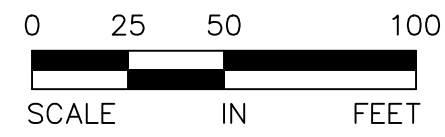
LEGEND:

- EASEMENT LINE
- BUILDING SETBACK
- PROPERTY LINE
- LOT LINE
- ROW
- RETAINING WALL
- TRAIL MAINTENANCE ACCESS
- TURF MAINTENANCE ACCESS
- 10' SMALL UTILITY CORRIDOR (NO PLANTING CORRIDOR)
- PHASE 1 BOUNDARY
- ☀ STREETLIGHTS (RESIDENTIAL STREET LIGHTS SHALL BE TRADITIONAL COLONIAL LED, TYPE B 4000 LUMENS (BLACK) ON A 15FT WASHINGTON FLUTED BLACK ALUMINUM POLE)

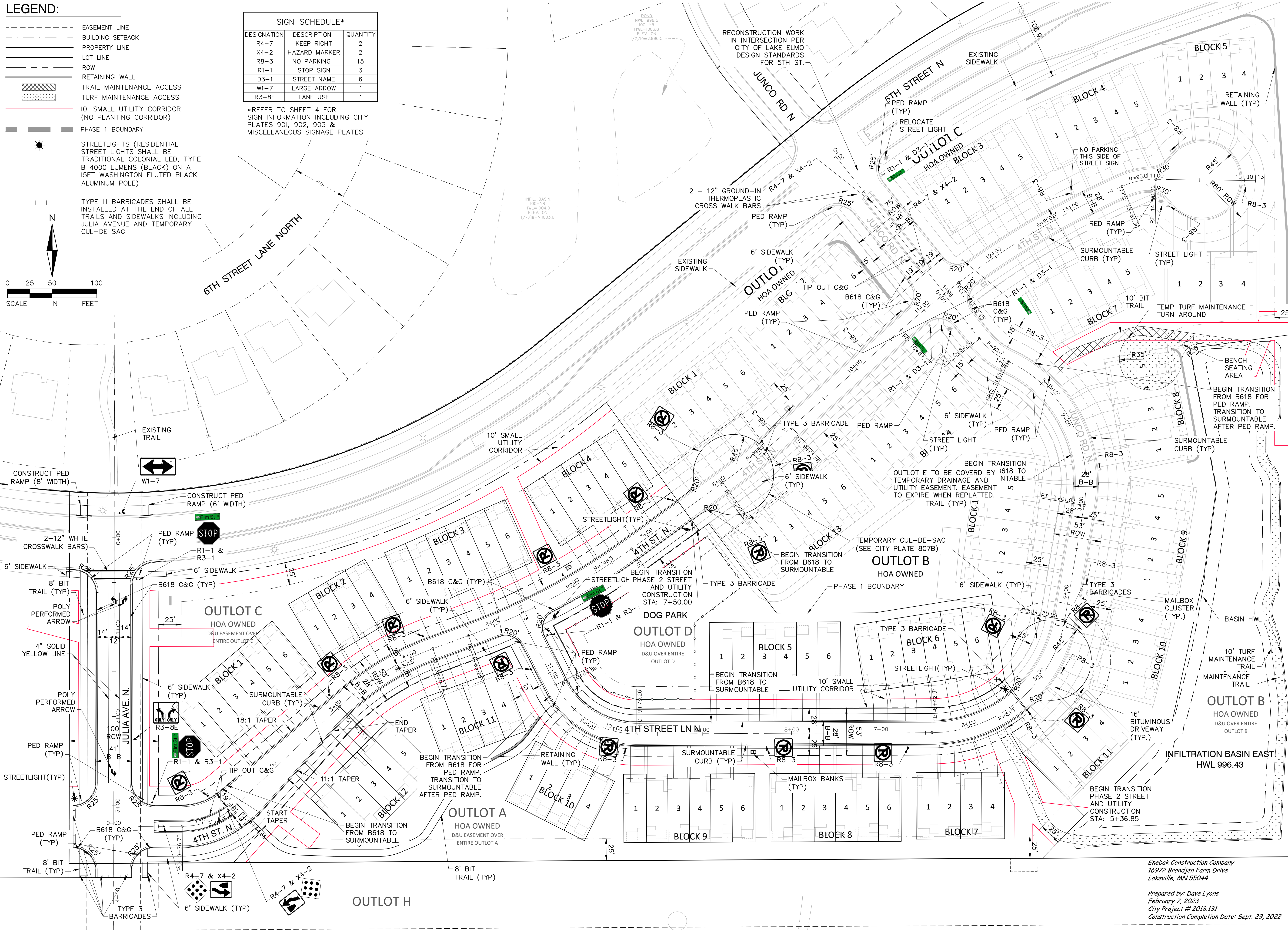
SIGN SCHEDULE*		
DESIGNATION	DESCRIPTION	QUANTITY
R4-7	KEEP RIGHT	2
X4-2	HAZARD MARKER	2
R8-3	NO PARKING	15
R1-1	STOP SIGN	3
D3-1	STREET NAME	6
W1-7	LARGE ARROW	1
R3-8E	LANE USE	1

*REFER TO SHEET 4 FOR SIGN INFORMATION INCLUDING CITY PLATES 901, 902, 903 & MISCELLANEOUS SIGNAGE PLATES

- ☐ TYPE III BARRICADES SHALL BE INSTALLED AT THE END OF ALL TRAILS AND SIDEWALKS INCLUDING JULIA AVENUE AND TEMPORARY CUL-DE SAC



Drawing name: X:\2018\180165\survey\Utility.As-Built\Union_Park\180165site.dwg, Jun. 27, 2023, 10:08am



ALLIANT
ENGINEERING
733 Marquette Avenue
Suite 700
Minneapolis, MN 55402
612.758.3080
www.alliant-inc.com



UNION PARK - PHASE 1
LAKE ELMO, MINNESOTA
CONSTRUCTION DOCUMENTS - RECORD DRAWING
FINAL SITE, LIGHTING, PAVEMENT MARKING, AND SIGNAGE PLAN

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

Mark Rausch
MARK RAUSCH, PE
10-22-19 43480
Date License No.

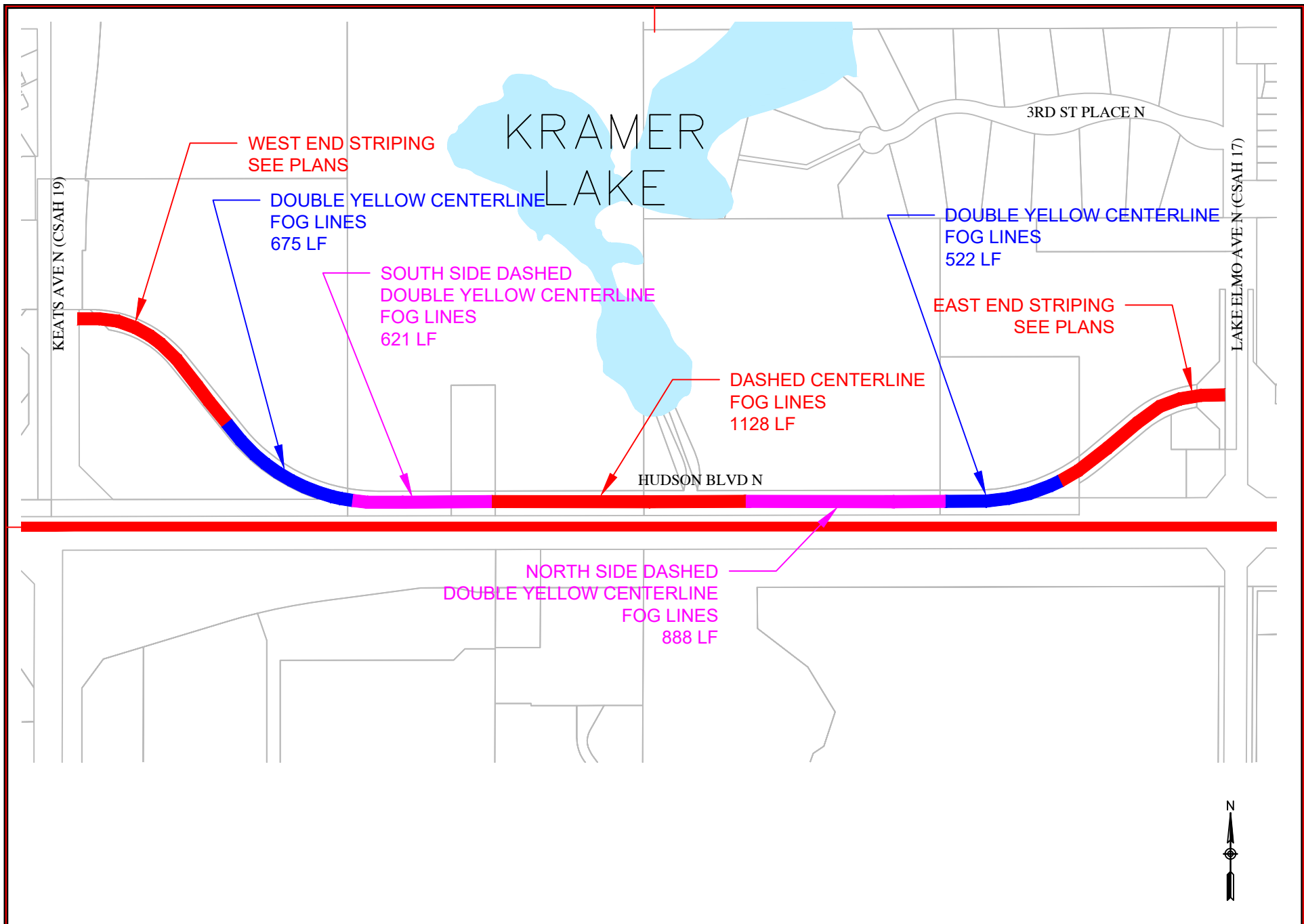
QUALITY ASSURANCE/CONTROL	
BY	DATE
DATE	ISSUE
5-24-19	CITY SUBMITTAL
8-12-19	CD ISSUE
8-20-19	CITY COMMENT UPDATES
10-22-19	CITY RESUBMITTAL
02-05-20	COVER SHEET INFO
02-29-20	CD SET - TAB UPDATES
06-08-20	SHOP REVIEW EDITS
02-07-23	UTILITY AS-BUILTS

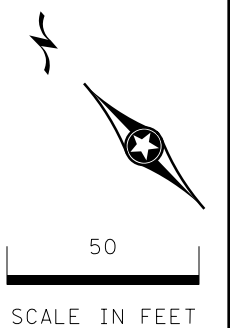
PROJECT TEAM DATA
DESIGNED: MPR
DRAWN: SIL
PROJECT NO: 218-0165

3649

Enebak Construction Company
16972 Brandjen Farm Drive
Lakeville, MN 55044

Prepared by: Dave Lyons
February 7, 2023
City Project # 2018.131
Construction Completion Date: Sept. 29, 2022





KEEP OFF INFILTRATION AREA
C-309 (5)

JCT COUNTY 19 R-202 (4)
JCT COUNTY 19 R-302 (1)

C-301 (1)
R-201 (4)
40 MPH C-310 (1)

4TW GW

4SW GW

24SY GW

4DY GW

4SW GW

SPEED LIMIT 50 C-202 (5)

MATCHLINE - STA 36+00.00

1.5 TAPER

PAINTED MEDIAN

12' THRU

12' THRU

1:40 TAPER

HUDSON BLVD

TIE INTO EXISTING STRIPING

END SAP 206-120-001
HUDSON BLVD
STA. 42+00.00

NOTES:

- (1) F & I
- (3) SALVAGE
- (4) REMOVE SIGN TYPE C
- (5) INSTALL

SHEET 3 OF 3

7/22/2019 7:26:00 AM ryansunberg

NO	DATE	BY	CKD	APPR	REVISION

Record Drawing Number - 2439
City Project Number - 2017.154
Project Completion Date - 10/09/2019
City Inspector - Shane Olson, Focus Engineering
General Contractor - Max Steinger
Record Plan Revision Date - 04/23/2020

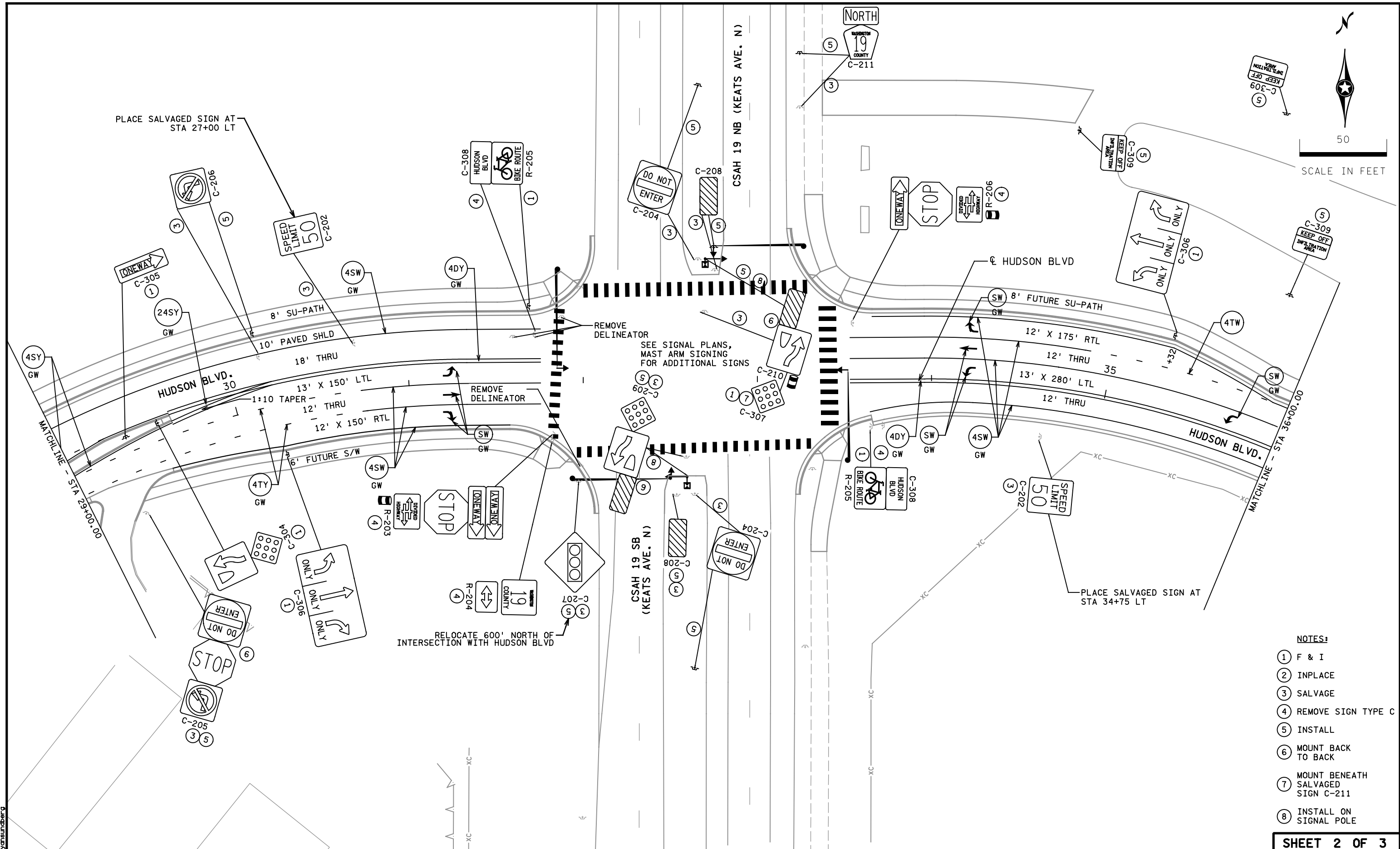
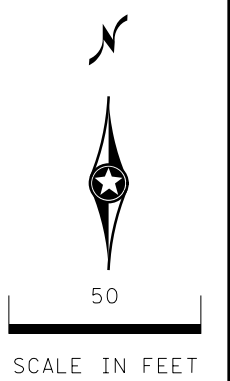
DRAWN BY
CJH
DESIGNED BY
RRS
CHECKED BY
JFC



STATE AID PROJECT NO.
206-120-001
082-619-028
(CSAH 19)

CITY OF LAKE ELMO
SIGNING AND STRIPING
HUDSON BLVD.
PLANS

SHEET
67
OF
67



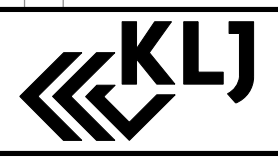
- NOTES:**
- ① F & I
 - ② INPLACE
 - ③ SALVAGE
 - ④ REMOVE SIGN TYPE C
 - ⑤ INSTALL
 - ⑥ MOUNT BACK TO BACK
 - ⑦ MOUNT BENEATH SALVAGED SIGN C-211
 - ⑧ INSTALL ON SIGNAL POLE

SHEET 2 OF 3

NO	DATE	BY	CKD	APPR	REVISION

Record Drawing Number - 2438
 City Project Number - 2017.154
 Project Completion Date - 10/09/2019
 City Inspector - Shane Olson, Focus Engineering
 General Contractor - Max Steinger
 Record Plan Revision Date - 04/23/2020

DRAWN BY
CJH
 DESIGNED BY
RRS
 CHECKED BY
JFC



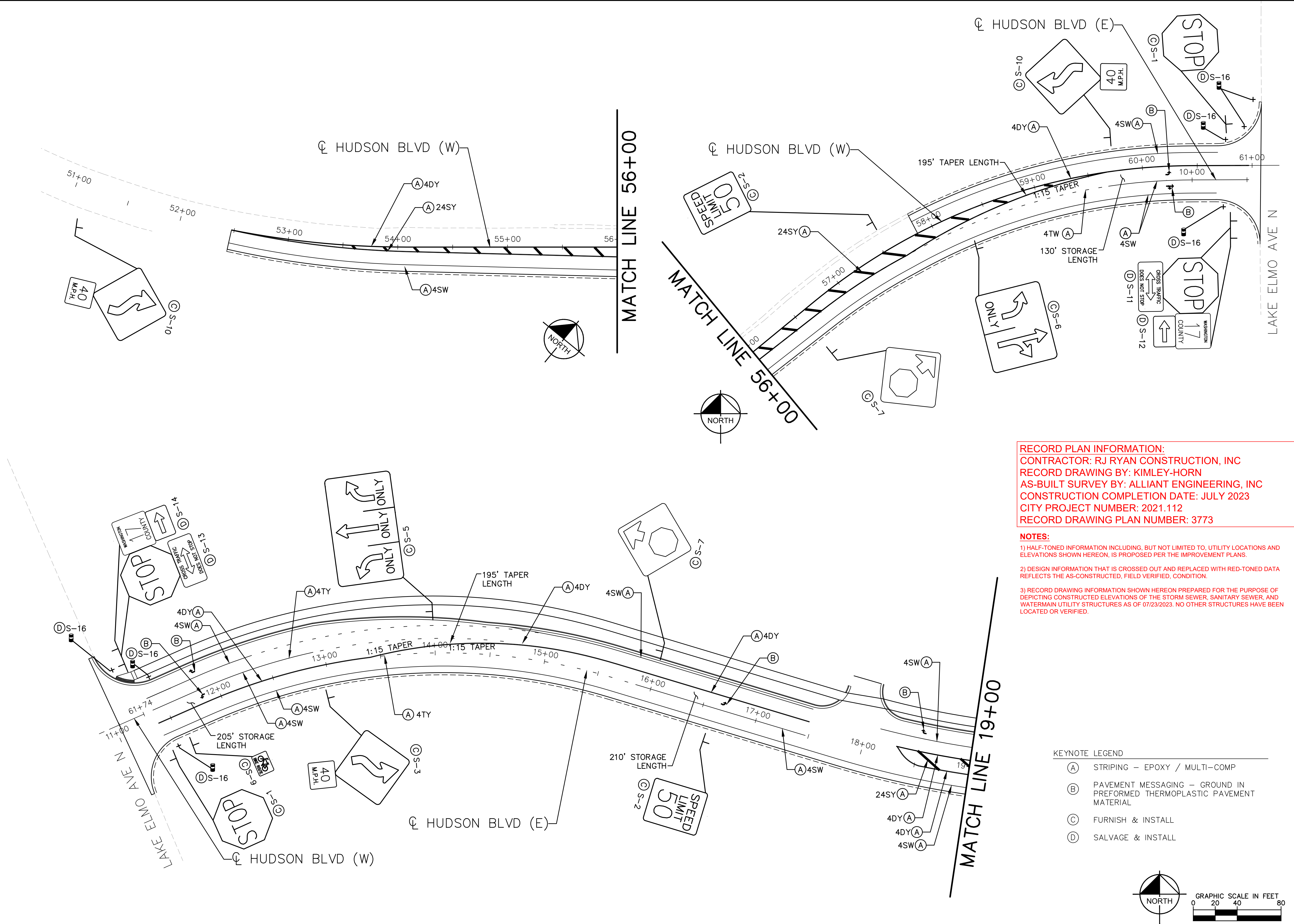
STATE AID PROJECT NO.
 206-120-001
 082-619-028
 (CSAH 19)

CITY OF LAKE ELMO
 SIGNING AND STRIPING
HUDSON BLVD.
 PLANS

SHEET 66 OF 67

3/22/2019 7:56:00 AM ryanlundberg

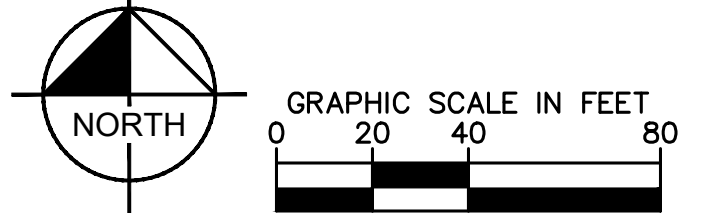
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RECORD PLAN INFORMATION:
 CONTRACTOR: RJ RYAN CONSTRUCTION, INC
 RECORD DRAWING BY: KIMLEY-HORN
 AS-BUILT SURVEY BY: ALLIANT ENGINEERING, INC
 CONSTRUCTION COMPLETION DATE: JULY 2023
 CITY PROJECT NUMBER: 2021.112
 RECORD DRAWING PLAN NUMBER: 3773

NOTES:
 1) HALF-TONED INFORMATION INCLUDING, BUT NOT LIMITED TO, UTILITY LOCATIONS AND ELEVATIONS SHOWN HEREON, IS PROPOSED PER THE IMPROVEMENT PLANS.
 2) DESIGN INFORMATION THAT IS CROSSED OUT AND REPLACED WITH RED-TONED DATA REFLECTS THE AS-CONSTRUCTED, FIELD VERIFIED, CONDITION.
 3) RECORD DRAWING INFORMATION SHOWN HEREON PREPARED FOR THE PURPOSE OF DEPICTING CONSTRUCTED ELEVATIONS OF THE STORM SEWER, SANITARY SEWER, AND WATERMAIN UTILITY STRUCTURES AS OF 07/23/2023. NO OTHER STRUCTURES HAVE BEEN LOCATED OR VERIFIED.

- KEYNOTE LEGEND**
- (A) STRIPING - EPOXY / MULTI-COMP
 - (B) PAVEMENT MESSAGING - GROUND IN PREFORMED THERMOPLASTIC PAVEMENT MATERIAL
 - (C) FURNISH & INSTALL
 - (D) SALVAGE & INSTALL



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		RECORD DRAWING REVISIONS 3 RECORD DRAWING REVISIONS 2 RECORD DRAWING REVISIONS 1 RECORD DRAWING REVISIONS	REVISIONS No. DATE BY
HUDSON BLVD SIGNING & STRIPING PLAN		CROSSROADS EAST - HUDSON BLVD IMPROVEMENTS PREPARED FOR LAUNCH PROPERTIES/ CROSSROADS PROPERTIES LAKE ELMO MN	
SHEET NUMBER C705		KHA PROJECT 160734016 DATE 11/30/2021 SCALE AS SHOWN DESIGNED BY MJK DRAWN BY MJK CHECKED BY JAH	

SECTION 3217 – PAVEMENT MARKINGS

SCOPE:

This Work shall consist of furnishing and applying pavement markings for control and guidance of traffic in accordance with these Specifications, at locations shown in the Plans, and as directed by the Engineer.

PRODUCTS:

1. ACRYLIC WATERBORNE TRAFFIC MARKING PAINT. Acrylic latex waterborne traffic marking paint for pavement markings shall conform to MnDOT 3591 Water-based Traffic Paint or approved equal.
2. DROP-ON GLASS BEADS: Drop-On Glass Beads for pavement markings shall meet the requirements of MnDOT Standard Specifications for Construction, 2020 Edition.

EXECUTION:

1. TRAFFIC CONTROLS: The Contractor shall provide Traffic Control for the pavement marking operations in conformance with the Minnesota Manual of Uniform Traffic Control Devices. Suitable warning signs shall be placed near the beginning of the worksite and well ahead of the worksite for alerting approaching traffic from both directions. Small markers shall be placed along newly marked lines to control traffic and prevent damage to newly marked surfaces. Pavement marking equipment shall be identified with large warning signs indicating slow-moving equipment in operation.
2. SURFACE PREPARATION: All surfaces to be marked shall be thoroughly cleaned immediately prior to an application of pavement marking. Dust, dirt, and other granular surface deposits shall be removed by sweeping, blowing with compressed air, rinsing with water, or a combination of these methods as required. Rubber deposits, surface laitance, existing paint markings, and other coatings adhering to the pavement shall be completely removed with scrapers, wire brushes, sandblasting, approved chemicals, or mechanical abrasion as directed. Where oil or grease is present, affected areas shall be scrubbed with several applications of trisodium phosphate solution or other approved detergent or degreaser, and rinsed thoroughly after each application. After cleaning, oil-soaked areas shall be sealed with cut shellac to prevent bleeding. Pavement surfaces shall be allowed to dry when water is used for cleaning. Surfaces shall be re-cleaned when work has been stopped due to rain.
 - A. Cleaning Existing Pavement Markings. In general, markings shall not be placed over existing pavement marking patterns. Existing pavement markings shall be removed that are in good condition but interfere or conflict with the newly applied markings. Deteriorated or obscured markings that are not misleading or confusing or interfere with the adhesion of the new marking material do not require removal. New preformed and thermoplastic pavement markings shall not be applied over existing preformed or thermoplastic markings. Whenever grinding, scraping, sandblasting, or other operations are performed, the Work must be conducted in such a manner that the finished pavement surface is not damaged or left in a pattern that is misleading or confusing.
 - B. When surface preparation operations are completed, the pavement surface shall be blown-off with compressed air to remove residue resulting from the cleaning work.
3. APPLICATION: Pavement markings shall be placed in accordance with the details shown in the Plans and as directed by the Engineer. The Contractor shall place spotting at appropriate points to provide horizontal control for striping, and determine necessary starting and cutoff points. The Contractor must request Engineer review and approval prior to proceeding with striping operations. Material shall not be applied over a longitudinal joint.

- A. Glass Beads. Glass beads shall be installed in accordance with MnDOT Spec 2582.
- B. Tolerances. A tolerance of ¼-inch under or ¼-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 ½-foot from the specified lengths provided the over and under variations are reasonably compensatory. Alignment deviations from the specified lane widths shall not exceed 1-inch. Establishment of application tolerances shall not relieve the Contractor of their responsibility to comply closely with the planned dimensions.
4. PROTECTION OF PAVEMENT MARKINGS: The Contractor shall furnish and install all necessary warning and directional signs and devices in order to maintain traffic while pavement markings are being applied in the presence of traffic, and to protect uncured markings as needed until traffic can cross markings without damaging markings. When necessary, a pilot car and flaggers shall be used to provide adequate control and direction of traffic. Warning signs and barricades shall be placed only where marking operations are in progress, shall be relocated as often as necessary, and shall not be left in place over night. Unless approved by the Engineer, traffic shall be allowed to keep moving at all times and the striping equipment shall be operated in a manner that will not make it necessary for traffic to cross uncured markings.
5. CLEANING: Waste materials shall be removed or destroyed at the end of each work day. Upon completion of the Work, all containers and debris shall be removed from the site. Epoxy spots upon adjacent surfaces shall be carefully removed by approved procedures which will not damage the surfaces and the entire job shall be left clean and acceptable to the City.
6. CERTIFICATION: The Contractor shall furnish a certified report on the quality of materials shipped to the Project. This report shall not be interpreted as a basis for final acceptance. When required, all emptied containers shall be returned to the epoxy material storage area or made available for checking by the Engineer. The Contractor shall make accurate accounting of the epoxy materials used in the Work.
7. CORRECTION OF DEFECTS: All pavement markings not conforming to the requirements of the Contract shall be removed and replaced or otherwise repaired to the satisfaction of the Engineer. Removal of unacceptable work shall be accomplished with suitable blasting or grinding equipment unless other means are authorized by the Engineer.

If the Engineer requires removal and replacement, the Contractor shall remove, by an approved process, at least 90% of the deficient line, with no excessive scarring of the existing pavement. The removal width shall be one inch wider all around the nominal width of the pavement marking to be removed.

END OF SECTION