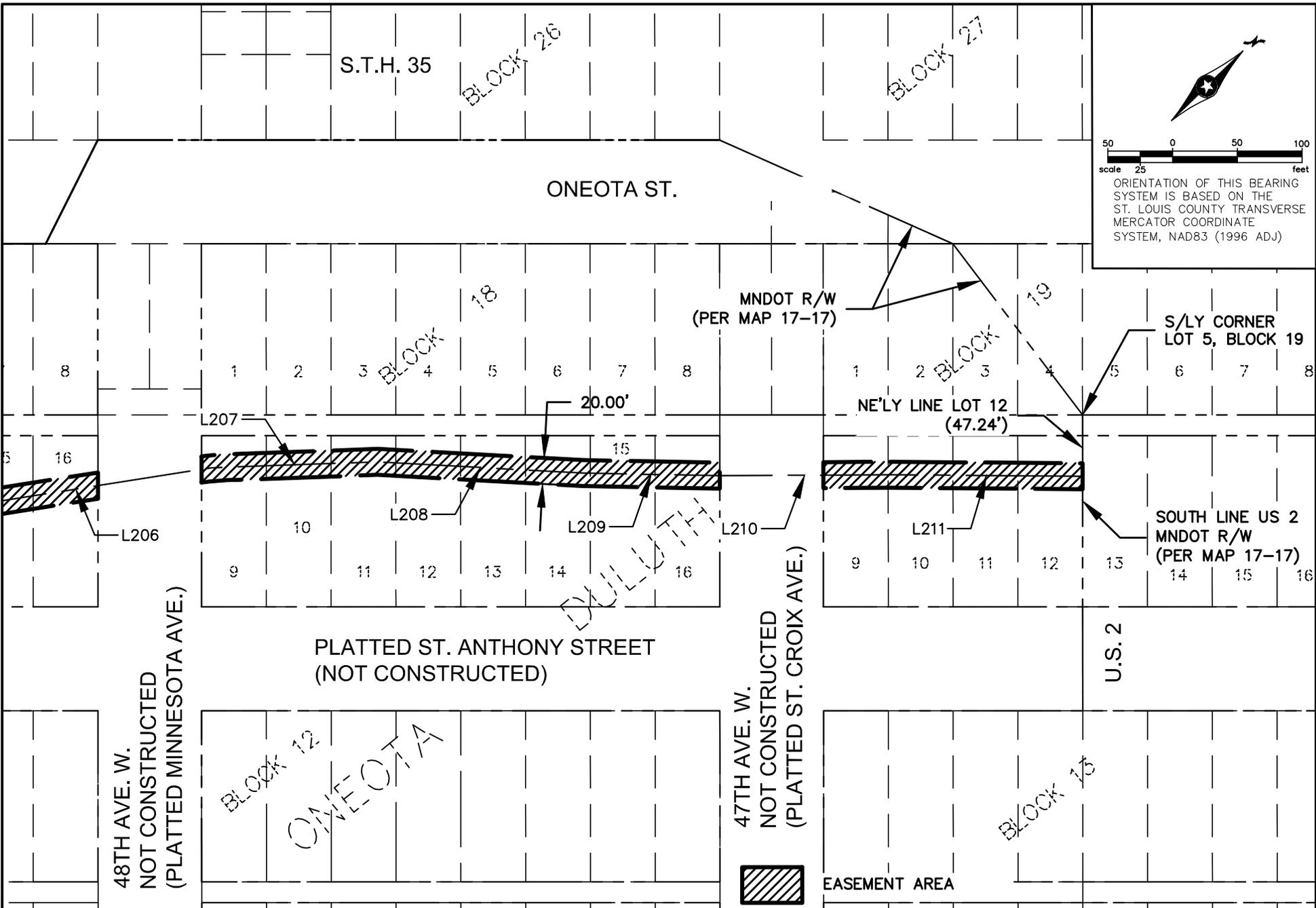


S:\AE\1\DULUTH\109680\9-survey\CAD\full project easement_KLG (City revisions by ACO).dwg 6/17/2019 2:56 PM aorleskie



DRAWN BY: ACO
 CHECKED BY: CAL
 SURVEYED BY: N/A

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

Signature: *Chris A. Larsen* Lic. No. 45848
 Printed Name: CHRIS A. LARSEN Date: 06/07/2019

PHONE: 218.279.3000
 418 W SUPERIOR ST
 STE. 200
 DULUTH, MN
 55802-1512
 www.sehinc.com

SEH

NO.	BY	DATE	REVISIONS

**SHARED USE PATH
 OVERALL EASEMENT
 DULUTH, MN**

I hereby certify that this exhibit has been checked and approved this _____ day of _____, 20__.

Signature: _____
 City Engineer

Printed Name: _____ Date: _____

FILE NO.
 DULUTH 109680

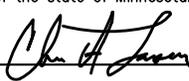
DATE
 06/07/2019

SHEET
 2 OF 9

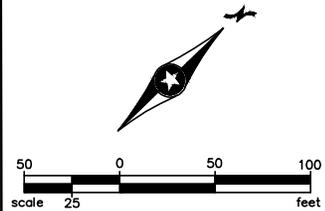
S:\AE\D\DLUT\109680\9-survey\CAD\full project easement_KLG (City revisions by ACO).dwg 6/17/2019 2:56 PM aorleskie

LINE AND CURVE TABLE

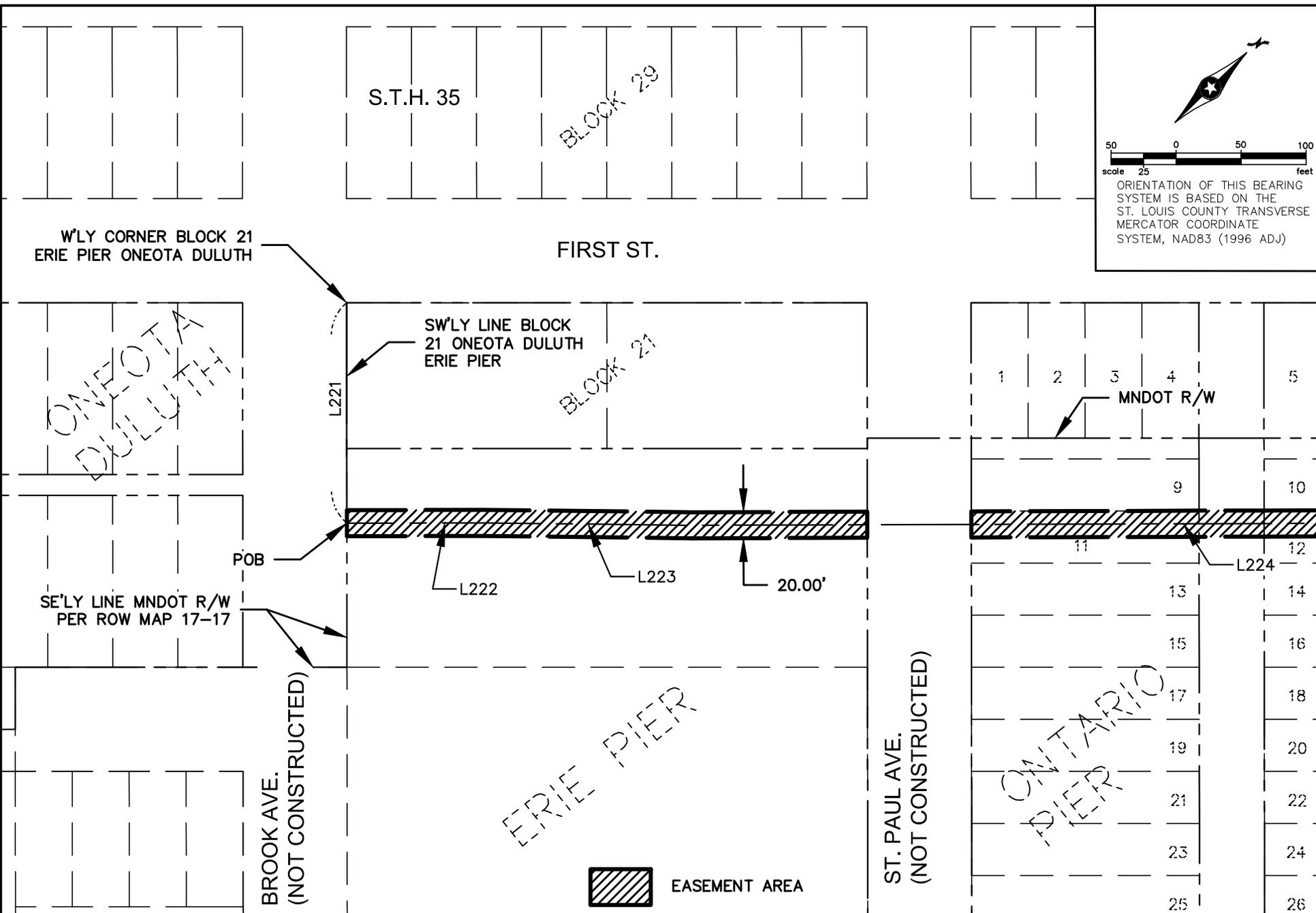
POINT ID	DELTA	RADIUS	LENGTH	BEARING
L201			280.00	S 46° 13' 44" E
L202			28.42	N 43° 47' 32" E
L203			96.01	N 22° 59' 50" E
L204			83.37	N 27° 10' 55" E
L205			81.93	N 32° 13' 17" E
L206			212.03	N 34° 51' 50" E
L207			128.46	N 41° 45' 35" E
L208			158.98	N 46° 55' 02" E
L209			104.87	N 44° 51' 57" E
L210			132.06	N 43° 28' 46" E
L211			148.76	N 44° 14' 04" E

DRAWN BY: <u>ACO</u> CHECKED BY: <u>CAL</u> SURVEYED BY: <u>N/A</u>	I hereby certify that this survey, plan, or report was prepared by me or under my direct supervision and that I am a duly Licensed Land Surveyor under the laws of the state of Minnesota. Signature:  Lic. No. <u>45848</u> Printed Name: <u>CHRIS A. LARSEN</u> Date: <u>06/07/2019</u>	 PHONE: 218.279.3000 418 W SUPERIOR ST STE 200 DULUTH, MN 55802-1512 www.sehinc.com	SHARED USE PATH OVERALL EASEMENT DULUTH, MN	I hereby certify that this exhibit has been checked and approved this _____ day of _____, 20____. Signature: _____ <div style="text-align: right; margin-right: 50px;">City Engineer</div> Printed Name: _____ Date: _____	FILE NO. DULUT 109680 DATE 06/07/2019 SHEET 3 OF 9								
		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">NO.</th> <th style="width: 10%;">BY</th> <th style="width: 15%;">DATE</th> <th style="width: 70%;">REVISIONS</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	NO.	BY	DATE	REVISIONS							
NO.	BY	DATE	REVISIONS										

S:\AE\DULUTH\109680\9-survey\CAD\full project easement_KLG (City revisions by ACO).dwg 6/17/2019 2:56 PM aorleskie



ORIENTATION OF THIS BEARING SYSTEM IS BASED ON THE ST. LOUIS COUNTY TRANSVERSE MERCATOR COORDINATE SYSTEM, NAD83 (1996 ADJ)



DRAWN BY: ACO
 CHECKED BY: CAL
 SURVEYED BY: N/A

I hereby certify that this survey, plan, or report was prepared by me or under my direct supervision and that I am a duly Licensed Land Surveyor under the laws of the state of Minnesota.
 Signature: Chris A. Larsen Lic. No. 45848
 Printed Name: CHRIS A. LARSEN Date: 06/07/2019

PHONE: 218.279.3000
 418 W SUPERIOR ST
 STE. 200
 DULUTH, MN
 55802-1512
 www.sehinc.com

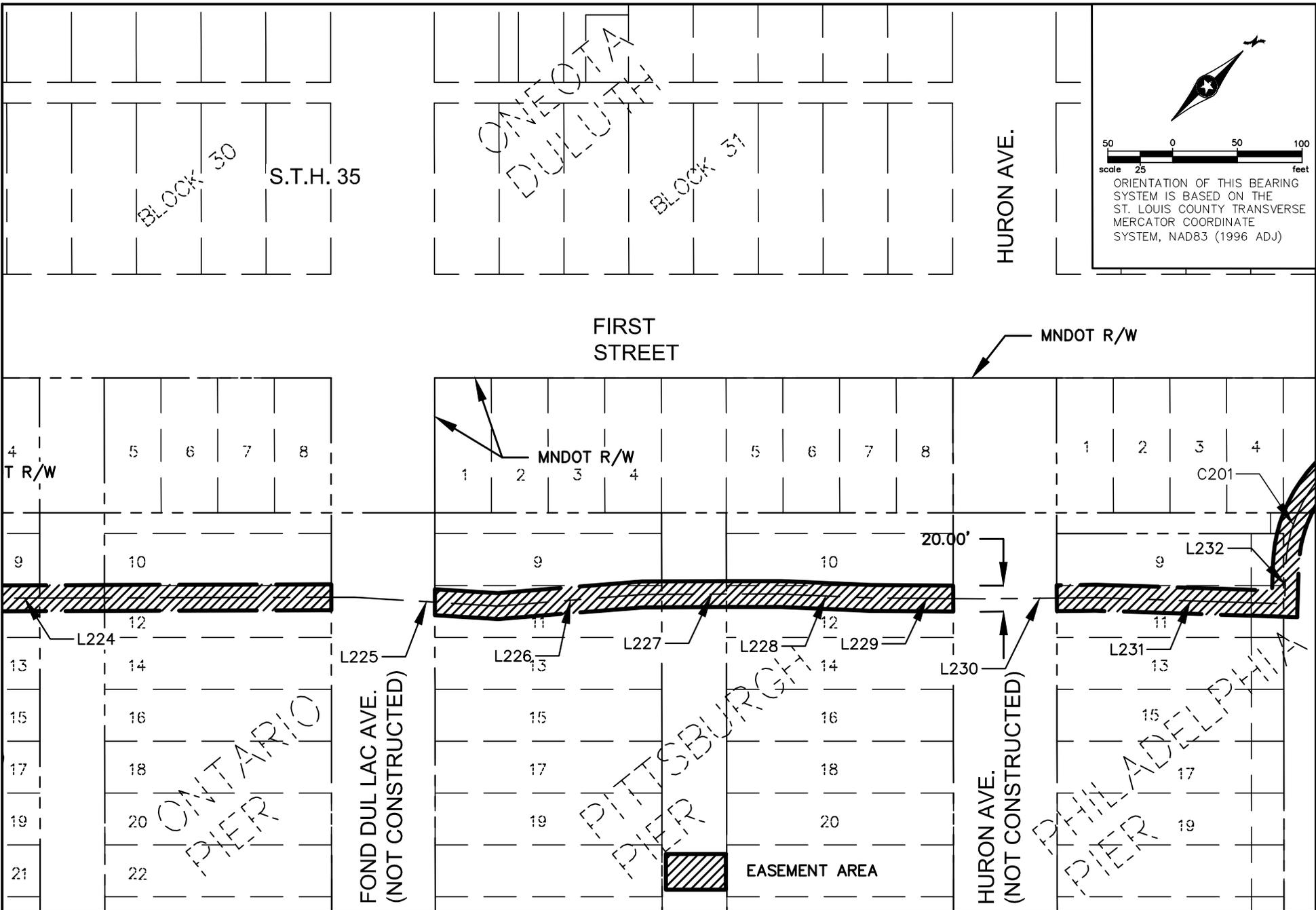
NO.	BY	DATE	REVISIONS

**SHARED USE PATH
 OVERALL EASEMENT
 DULUTH, MN**

I hereby certify that this exhibit has been checked and approved this _____ day of _____, 20____
 Signature: _____
 City Engineer
 Printed Name: _____ Date: _____

FILE NO.
 DULUT 109680
 DATE
 06/07/2019
 SHEET
 4 OF 9

S:\AE\DULUT\109680\9-survey\CAD\full project easement_KLG (City revisions by ACO).dwg 6/17/2019 2:56 PM aorleskie



DRAWN BY: ACO
 CHECKED BY: CAL
 SURVEYED BY: N/A

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

Signature: Chris A. Larsen Lic. No. 45848
 Printed Name: CHRIS A. LARSEN Date: 06/07/2019

PHONE: 218.279.3000
 418 W SUPERIOR ST
 STE. 200
 DULUTH, MN
 55802-1512
 www.sehinc.com

SEH

NO.	BY	DATE	REVISIONS

**SHARED USE PATH
 OVERALL EASEMENT
 DULUTH, MN**

I hereby certify that this exhibit has been checked and approved this _____ day of _____, 20__.

Signature: _____
 City Engineer

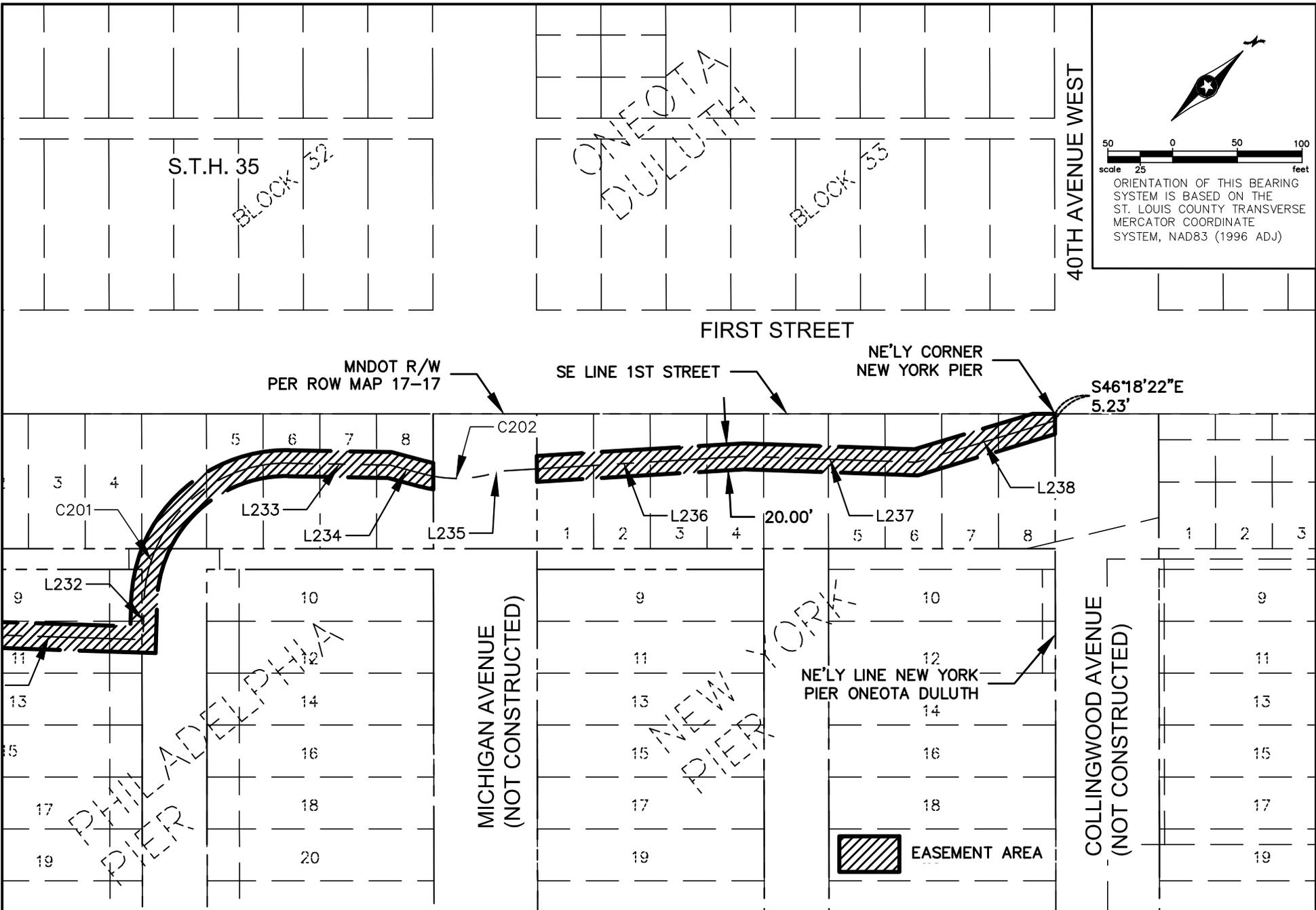
Printed Name: _____ Date: _____

FILE NO.
 DULUT 109680

DATE
 06/07/2019

SHEET
 5 OF 9

S:\AE\1\DULUT\109680\9-survey\CAD\full project easement_KLG (City revisions by ACO).dwg 6/17/2019 2:56 PM aorleskie



ORIENTATION OF THIS BEARING SYSTEM IS BASED ON THE ST. LOUIS COUNTY TRANSVERSE MERCATOR COORDINATE SYSTEM, NAD83 (1996 ADJ)

DRAWN BY: ACO
 CHECKED BY: CAL
 SURVEYED BY: N/A

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

Signature: Chris A. Larsen Lic. No. 45848
 Printed Name: CHRIS A. LARSEN Date: 06/07/2019

PHONE: 218.279.3000
 418 W SUPERIOR ST
 STE. 200
 DULUTH, MN
 55802-1512
 www.sehinc.com

SEH

NO.	BY	DATE	REVISIONS

**SHARED USE PATH
 OVERALL EASEMENT
 DULUTH, MN**

I hereby certify that this exhibit has been checked and approved this _____ day of _____, 20____.

Signature: _____
 City Engineer

Printed Name: _____ Date: _____

FILE NO.
 DULUT 109680

DATE
 06/07/2019

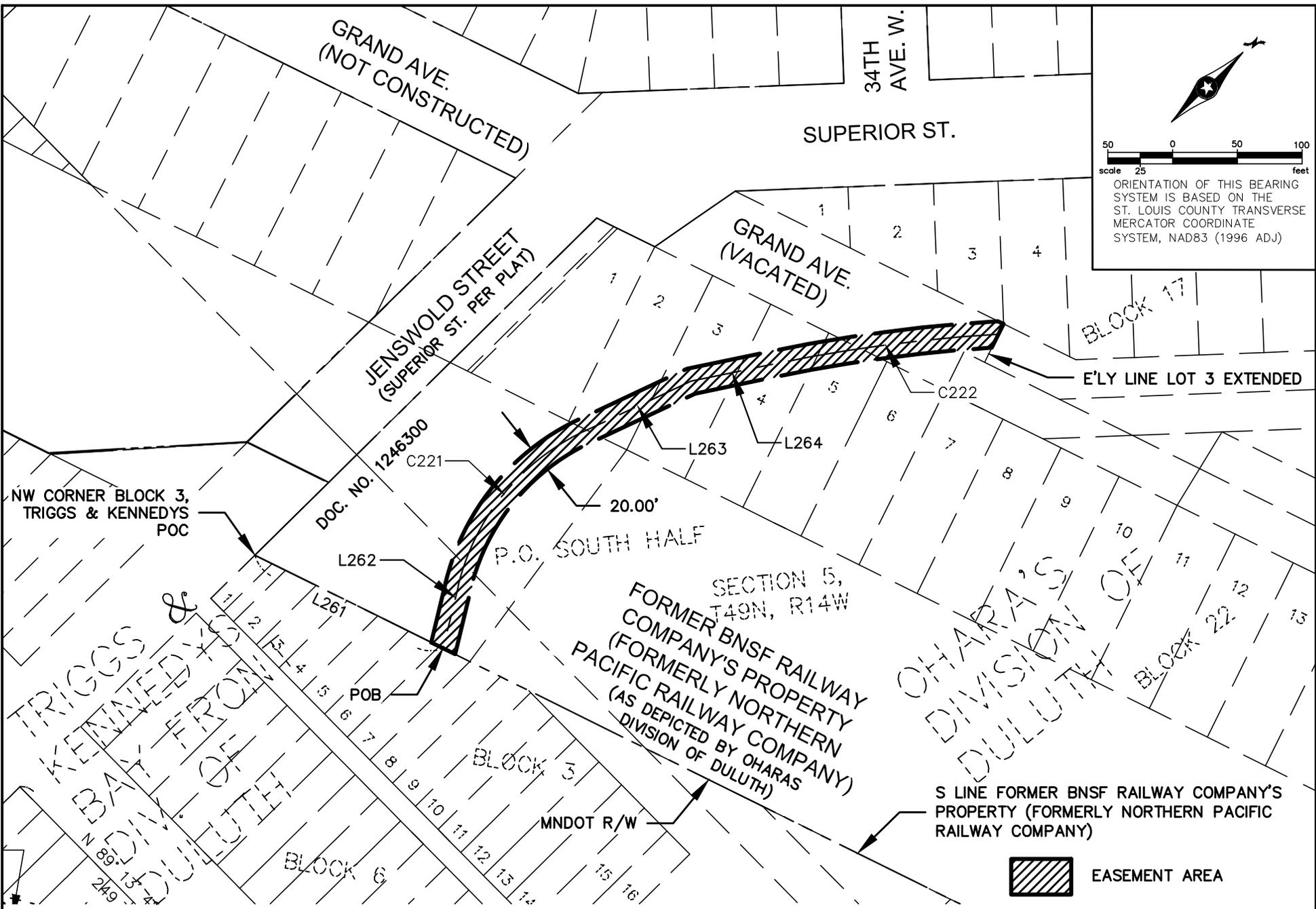
SHEET
 6 OF 9

S:\AE\DULUTH\109680\9-survey\CAD\full project easement_KLG (City revisions by ACO).dwg 6/17/2019 2:56 PM aorleskie

LINE AND CURVE TABLE				
POINT ID	DELTA	RADIUS	LENGTH	BEARING
L221			169.39	S 46° 15' 47" E
L222			105.66	N 43° 39' 12" E
L223			159.77	N 44° 27' 10" E
L224			633.27	N 43° 36' 53" E
L225			110.86	N 47° 21' 38" E
L226			111.87	N 39° 08' 14" E
L227			106.82	N 43° 37' 12" E
L228			69.12	N 46° 23' 21" E
L229			87.04	N 44° 13' 13" E
L230			87.36	N 43° 15' 13" E
L231			145.53	N 45° 37' 35" E
L232			29.51	N 44° 22' 25" W
C201	089° 04' 12"	110.00	171.00	
L233			77.94	N 44° 41' 47" E
L234			27.01	N 58° 52' 27" E
C202	029° 15' 11"	100.00	51.06	
L235			11.73	N 29° 37' 17" E
L236			185.98	N 40° 20' 16" E
L237			132.94	N 45° 45' 54" E
L238			111.92	N 27° 08' 19" E

DRAWN BY: <u>ACO</u> CHECKED BY: <u>CAL</u> SURVEYED BY: <u>N/A</u>	I hereby certify that this survey, plan, or report was prepared by me or under my direct supervision and that I am a duly Licensed Land Surveyor under the laws of the state of Minnesota. Signature: <u><i>Chris A. Larsen</i></u> Lic. No. <u>45848</u> Printed Name: <u>CHRIS A. LARSEN</u> Date: <u>06/07/2019</u>	 PHONE: 218.279.3000 418 W SUPERIOR ST STE. 200 DULUTH, MN 55802-1512 www.sehinc.com	SHARED USE PATH OVERALL EASEMENT DULUTH, MN	I hereby certify that this exhibit has been checked and approved this _____ day of _____, 20____. Signature: _____ City Engineer Printed Name: _____ Date: _____	FILE NO. DULUT 109680															
					DATE 06/07/2019															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">NO.</th> <th style="width: 15%;">BY</th> <th style="width: 15%;">DATE</th> <th style="width: 65%;">REVISIONS</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>				NO.	BY	DATE	REVISIONS													SHEET 7 OF 9
NO.	BY	DATE	REVISIONS																	

S:\AE\DULUTH\109680\9-survey\CAD\full project easement_KLG (City revisions by ACO).dwg 6/17/2019 2:56 PM corleskie



50 0 50 100
scale 25 feet

ORIENTATION OF THIS BEARING SYSTEM IS BASED ON THE ST. LOUIS COUNTY TRANSVERSE MERCATOR COORDINATE SYSTEM, NAD83 (1996 ADJ)

DRAWN BY: ACO
 CHECKED BY: CAL
 SURVEYED BY: N/A

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

Signature: Chris A. Larsen Lic. No. 45848
 Printed Name: CHRIS A. LARSEN Date: 06/07/2019

PHONE: 218.279.3000
 418 W SUPERIOR ST
 STE. 200
 DULUTH, MN
 55802-1512
 www.sehinc.com

SEH

NO.	BY	DATE	REVISIONS

**SHARED USE PATH
 OVERALL EASEMENT
 DULUTH, MN**

I hereby certify that this exhibit has been checked and approved this _____ day of _____, 20____.

Signature: _____
 City Engineer

Printed Name: _____ Date: _____

FILE NO.
 DULUT 109680

DATE
 06/07/2019

SHEET
 8 OF 9

S:\AE\D\DLUT\109680\9-survey\CAD\full project easement_KLG (City revisions by ACO).dwg 6/17/2019 2:56 PM aorleskie

LINE AND CURVE TABLE				
POINT ID	DELTA	RADIUS	LENGTH	BEARING
L261			162.26	N 70° 05' 19" E
L262			49.63	N 32° 36' 03" W
C221	051° 17' 32"	178.00	159.35	
L263			90.80	N 18° 41' 29" E
L264			65.11	N 32° 04' 20" E
C222	008° 22' 04"	1200.00	175.25	

DRAWN BY: <u>ACO</u> CHECKED BY: <u>CAL</u> SURVEYED BY: <u>N/A</u>	I hereby certify that this survey, plan, or report was prepared by me or under my direct supervision and that I am a duly Licensed Land Surveyor under the laws of the state of Minnesota. Signature: <u><i>Chris A. Larsen</i></u> Lic. No. <u>45848</u> Printed Name: <u>CHRIS A. LARSEN</u> Date: <u>06/07/2019</u>	 PHONE: 218.279.3000 418 W SUPERIOR ST STE. 200 DULUTH, MN 55802-1512 www.sehinc.com	SHARED USE PATH OVERALL EASEMENT DULUTH, MN	I hereby certify that this exhibit has been checked and approved this _____ day of _____, 20____. Signature: _____ City Engineer Printed Name: _____ Date: _____	FILE NO. DULUT 109680											
					DATE 06/07/2019											
<table border="1"> <thead> <tr> <th>NO.</th> <th>BY</th> <th>DATE</th> <th>REVISIONS</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				NO.	BY	DATE	REVISIONS									SHEET 9 OF 9
NO.	BY	DATE	REVISIONS													