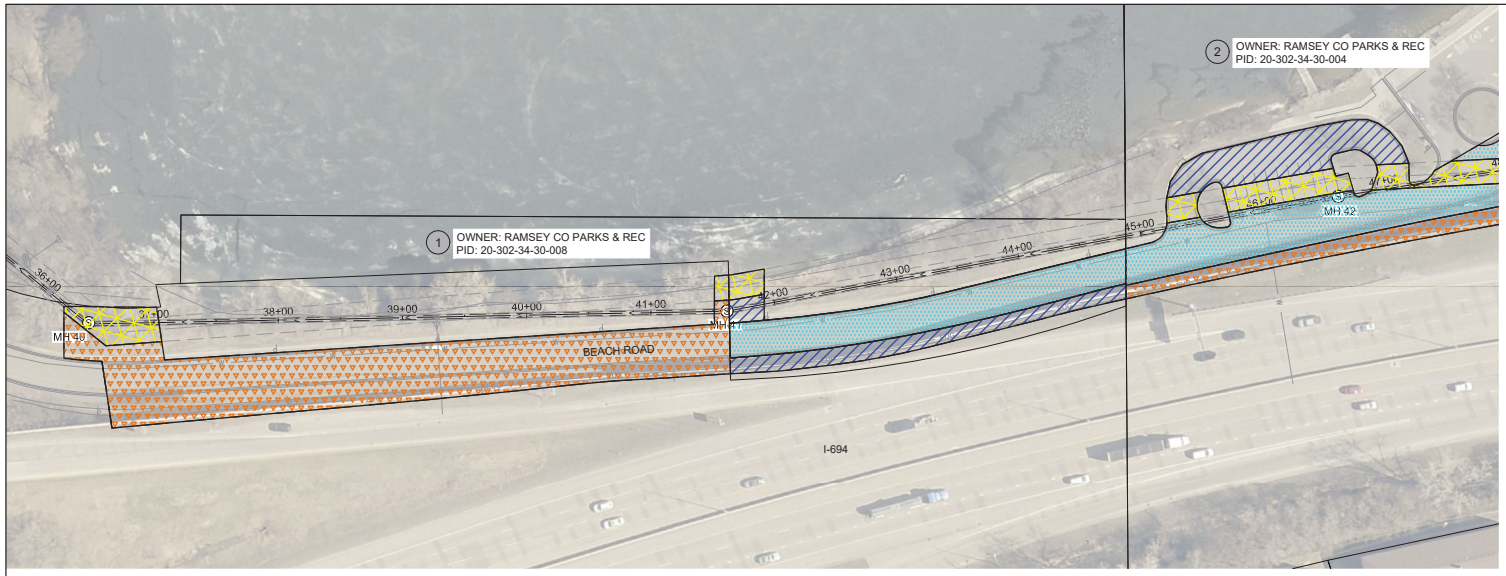

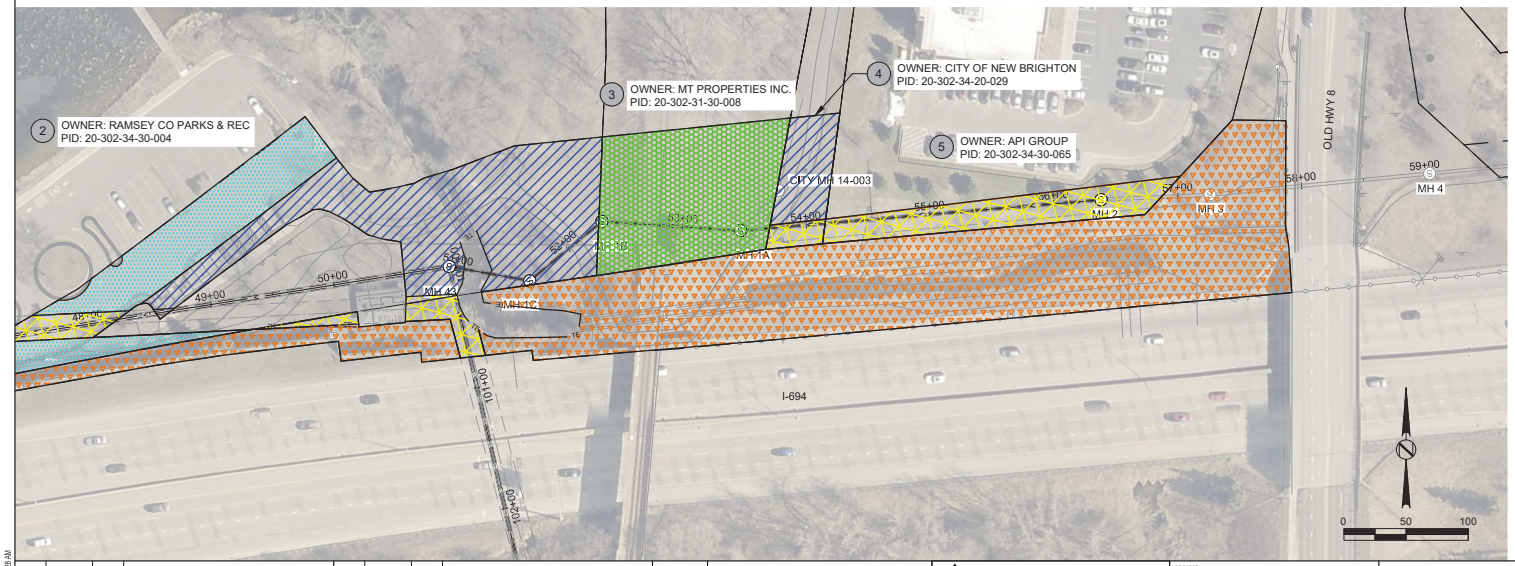

GENERAL NOTES:

1. HORIZONTAL DATUM: RAMSEY COUNTY
2. VERTICAL DATUM NAVD 83
3. EXISTING EASEMENTS, PROPERTY LINES, AND RIGHT OF WAYS SHOWN ARE BASED ON HTPO RECORDS RESEARCH DRAWINGS.
4. MCES EASEMENTS ARE LOCATED WITHIN THE CONSTRUCTION LIMITS UNLESS OTHERWISE NOTED.

*SF AREAS ARE ESTIMATES THAT WILL BE FINALIZED ON THE EASEMENT DESCRIPTIONS/SKETCHES.

PARCEL	1
OWNER	RAMSEY COUNTY PARKS & REC
PID NUMBER	20-302-33-40-003
ENTIRE PARCEL	0.48 ACRES
TEMPORARY ACCESS EASEMENT	9032 SF
TEMPORARY CONSTRUCTION EASEMENT	4588 SF
EXISTING PERM MCES EASEMENT	578 SF

PARCEL	2
OWNER	RAMSEY COUNTY PARKS & REC
PID NUMBER	20-302-34-30-004
ENTIRE PARCEL	4.99 ACRES
TEMPORARY ACCESS EASEMENT	20711 SF
TEMPORARY CONSTRUCTION EASEMENT	32684 SF
EXISTING PERM MCES EASEMENT	6751 SF

PARCEL	3
OWNER	MT PROPERTIES INC.
PID NUMBER	20-302-31-30-008
ENTIRE PARCEL	4.54 ACRES
PERMIT REQUIRED	15387 SF

PARCEL	4
OWNER	CITY OF NEW BRIGHTON
PID NUMBER	20-302-34-20-029
ENTIRE PARCEL	2.05 ACRES
TEMPORARY CONSTRUCTION EASEMENT	3567 SF
EXISTING PERM MCES EASEMENT	872 SF

PARCEL	5
OWNER	API GROUP
PID NUMBER	20-302-34-30-065
ENTIRE PARCEL	3.12 ACRES
EXISTING PERM MCES EASEMENT	872 SF

LEGEND:

- EXISTING MCES PERMANENT EASEMENT
- TEMPORARY CONSTRUCTION EASEMENT
- TEMPORARY ACCESS EASEMENT
- MNDOT PERMIT REQUIRED
- MN TRANSFER RR PERMIT REQUIRED
- (2) ID NUMBER

NO	DATE	BY	REMARKS	NO	DATE	BY	REMARKS
	MM/DD/YY		ISSUED FOR BIDDING				

REVISIONS | REVISIONS

DESIGNED: AMJ
DRAWN: PRW
CHECKED: WJJ

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:
TYPED OR PRINTED NAME: SIGNED BY
DATE: MM/DD/YY REG NO: #####

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Lake Elmo, MN 55042
Phone: 651-286-8550 Fax: 651-286-8551

PROJECT: PROJECT NUMBER
FILE NAME: LL-FIG-2

LONG LAKE INTERCEPTOR REHABILITATION
2-NB-100 AND 8451
WORK MAP

EXHIBIT A
X OF X

Q:\METROPOLITAN COUNCIL ENVIRONMENTAL SERVICES\GRASS LAKE-LONG LAKE SEWER REH-15PR138\GRASS LAKE-LONG LAKE SEWER REH-15PR138\SHEETS\LL-FIG-2.DWG
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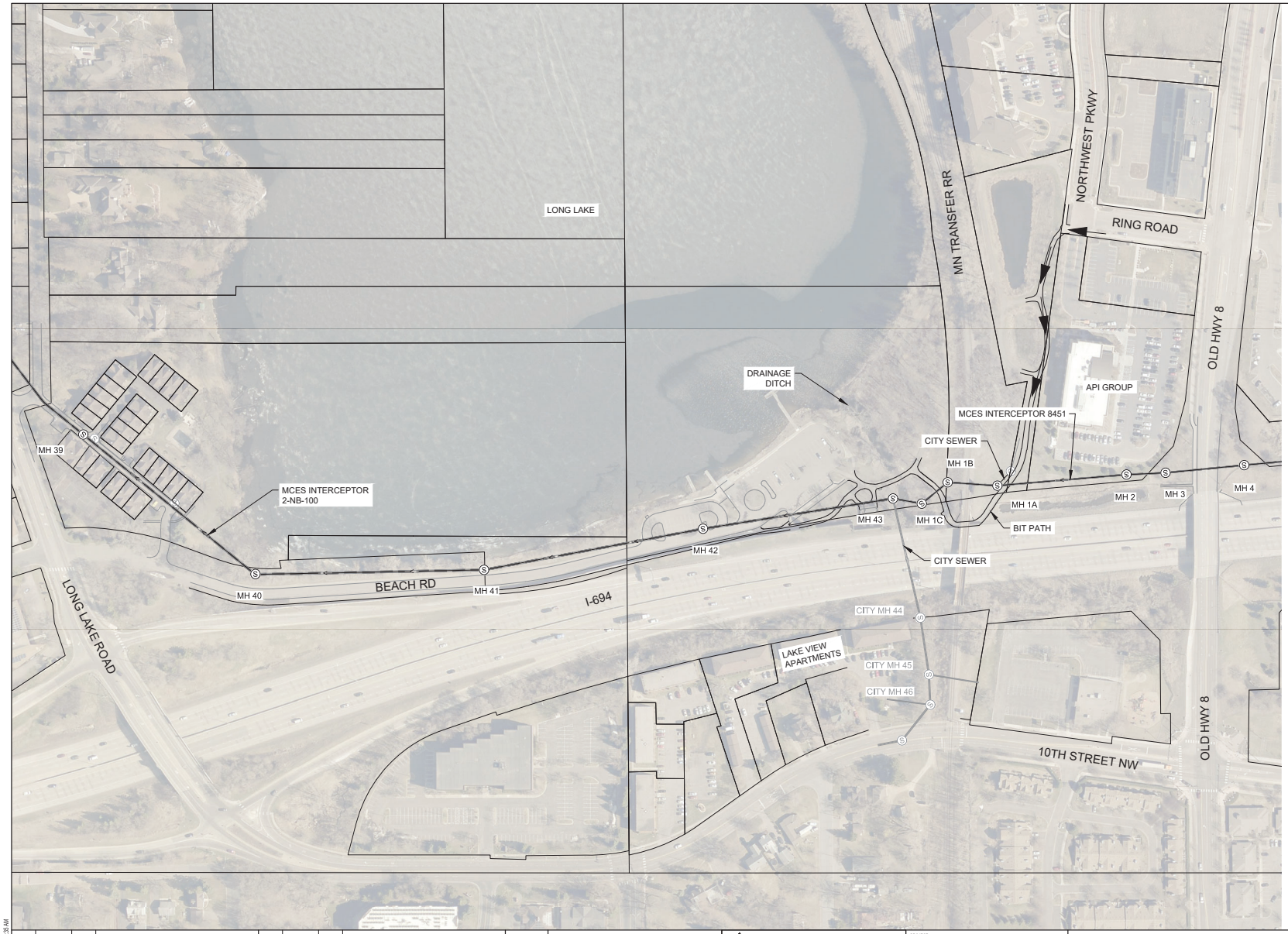

LEGEND:

SITE ACCESS ROUTES

NO	DATE	BY	REMARKS	NO	DATE	BY	REMARKS
	MM/DD/YY		ISSUED FOR BIDDING				

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TYPED OR PRINTED NAME: SIGNED BY
DATE MM/DD/YY REG NO ######

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PROJECT 808861
FILE NAME CU01001

LONG LAKE INTERCEPTOR REHABILITATION
2-NB-100 AND 8451
SITE OVERVIEW

CU1.1
X OF X

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GENERAL NOTES:

1. EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO ANY WORK.
2. REFER TO SHEET GI4 FOR EROSION CONTROL NOTES.
3. THE TEMPORARY CONVEYANCE PIPING ROUTE SHOWN IS A GENERAL ALIGNMENT. THE CONTRACTOR MAY UTILIZE ALTERNATE CONVEYANCE ROUTES AT THEIR DISCRETION. IF THE CONTRACTOR'S SELECTED ROUTE IS OUTSIDE THE CONSTRUCTION LIMITS, CONTRACTOR SHALL SUBMIT DULY EXECUTED WAIVERS OF TRESPASS OR SIMILAR DOCUMENTS CONFIRMING THAT ALL ACCESS RIGHTS ON PRIVATE PROPERTY HAVE BEEN OBTAINED.
4. TEMPORARY LATERAL AND SERVICE PIPING CONVEYANCE PIPING IS NOT SHOWN. CONTRACTOR SHALL DESIGN AND OBTAIN APPROVAL FOR TEMPORARY LATERAL AND SERVICE CONVEYANCE PLANS.
5. TEMPORARY CONVEYANCE PIPING SHALL BE BURIED AT ALL ROADWAY, ALLEY, DRIVEWAY AND SIDEWALK CROSSINGS AS SHOWN ON DRAWING GI7.
6. PROTECT EXISTING TREES & SIDEWALKS ALONG TEMPORARY CONVEYANCE ROUTE.
7. RESTORE ALL DISTURBED AREAS TO MATCH EXISTING SURFACES AND MATERIALS.
8. CONTRACTOR SHALL MAINTAIN ACCESS TO BOAT LAUNCH AT ALL TIMES.

KEY NOTES:

1. TEMPORARY CONVEYANCE PIPING BURIED AT CROSSING.
2. PROTECT EXISTING TREES.
3. BMP'S SHALL BE REDUNDANT WITHIN 50 FT OF LONG LAKE.
4. PLACE TEMPORARY CONVEYANCE PIPING BETWEEN TRAIL AND SOUNDWALL.

LEGEND:

- TEMPORARY CONVEYANCE
- CONSTRUCTION LIMITS
- BIOROLL
- SILT FENCE
- CATCH BASIN INLET PROTECTION

0 50 100

NO	DATE	BY	REMARKS	NO	DATE	BY	REMARKS
	MM/DD/YY		ISSUED FOR BIDDING				

REVISIONS REVISIONS

DESIGNED AMJ
DRAWN PRW
CHECKED WJJ

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SIGNATURE:
TYPED OR PRINTED NAME: SIGNED BY
DATE MM/DD/YY REG NO ######

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PROJECT 808861
FILE NAME CU01002

LONG LAKE INTERCEPTOR REHABILITATION
2-NB-100 AND 8451
EROSION CONTROL AND TEMPORARY CONVEYANCE

CU1.2
X OF X

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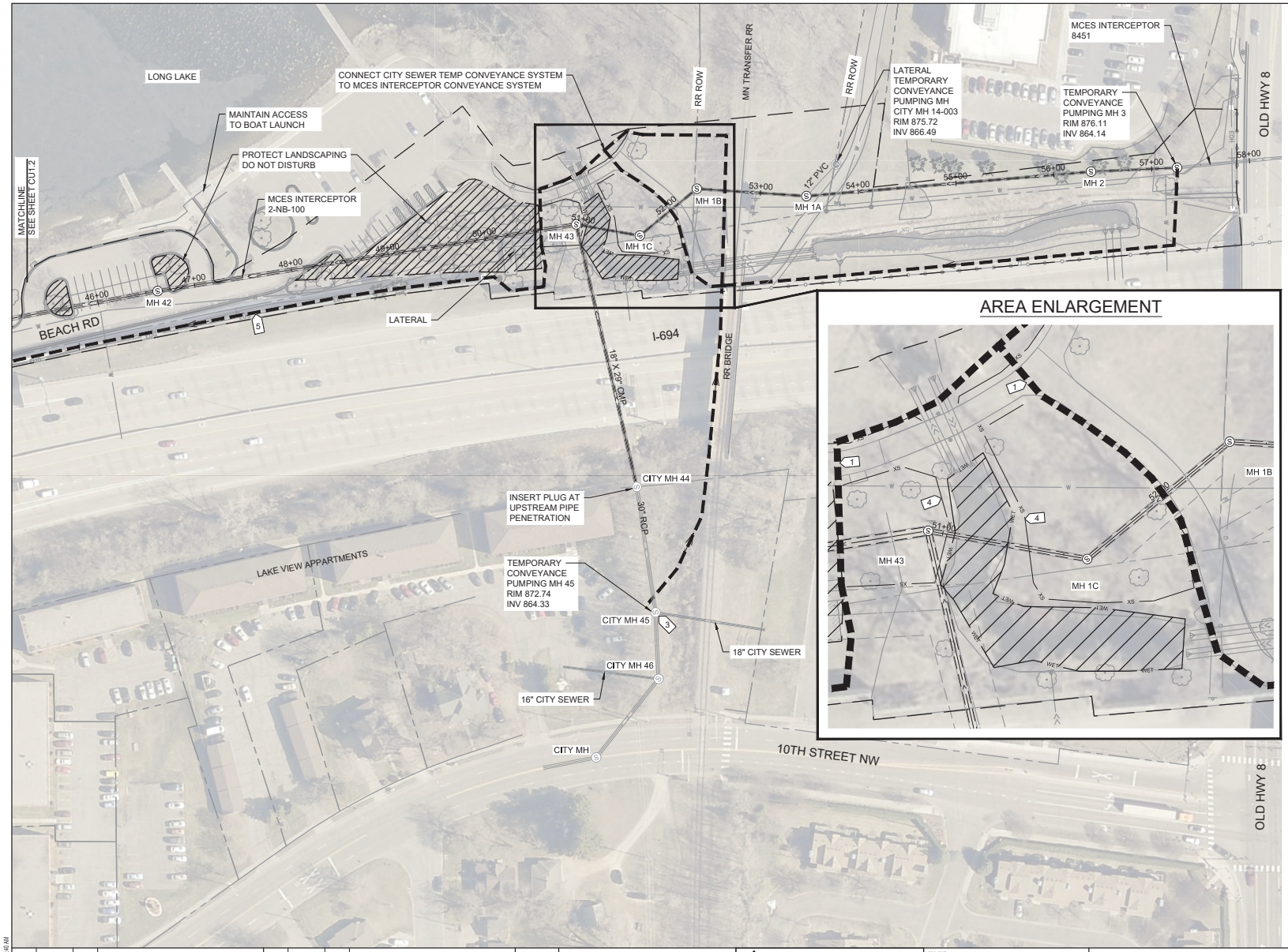

GENERAL NOTES:

1. EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO ANY WORK.
2. REFER TO SHEET GI4 FOR EROSION CONTROL NOTES.
3. THE TEMPORARY CONVEYANCE PIPING ROUTE SHOWN IS A GENERAL ALIGNMENT. THE CONTRACTOR MAY UTILIZE ALTERNATE CONVEYANCE ROUTES AT THEIR DISCRETION. IF THE CONTRACTOR'S SELECTED ROUTE IS OUTSIDE THE CONSTRUCTION LIMITS, CONTRACTOR SHALL SUBMIT DULY EXECUTED WAIVERS OF TRESPASS OR SIMILAR DOCUMENTS CONFIRMING THAT ALL ACCESS RIGHTS ON PRIVATE PROPERTY HAVE BEEN OBTAINED.
4. TEMPORARY LATERAL AND SERVICE PIPING CONVEYANCE PIPING IS NOT SHOWN. CONTRACTOR SHALL DESIGN AND OBTAIN APPROVAL FOR TEMPORARY LATERAL AND SERVICE CONVEYANCE PLANS.
5. TEMPORARY CONVEYANCE PIPING SHALL BE BURIED AT ALL ROADWAY, ALLEY, DRIVEWAY AND SIDEWALK CROSSINGS AS SHOWN ON DRAWING GI7.
6. PROTECT EXISTING TREES & SIDEWALKS ALONG TEMPORARY CONVEYANCE ROUTE.
7. RESTORE ALL DISTURBED AREAS TO MATCH EXISTING SURFACES AND MATERIALS.
8. CONTRACTOR SHALL MAINTAIN ACCESS TO BOAT LAUNCH AT ALL TIMES.

KEY NOTES:

1. TEMPORARY CONVEYANCE PIPING BURIED AT CROSSING.
2. PROTECT EXISTING TREES.
3. TEMPORARY CONVEYANCE PUMPING MH. SEE DETAIL X/XX
4. BMP'S SHALL BE REDUNDANT WITHIN 50 FT OF OAR.
5. PLACE TEMPORARY CONVEYANCE PIPING BETWEEN TRAIL AND SOUNDWALL.

LEGEND:

- TEMPORARY CONVEYANCE
- CONSTRUCTION LIMITS
- LATERAL
- BIOROLL
- XS — SILT FENCE
- CATCH BASIN INLET PROTECTION
- WET — OAR (OTHER AQUATIC RESOURCE)

0 50 100

NO	DATE	BY	REMARKS	NO	DATE	BY	REMARKS
	MM/DD/YY		ISSUED FOR BIDDING				
REVISIONS				REVISIONS			

DESIGNED AMJ
DRAWN PRW
CHECKED WJJ

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SIGNATURE:
TYPED OR PRINTED NAME: SIGNED BY
DATE MM/DD/YY REG NO #####

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Lake Elmo, MN 55042
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PROJECT 808861
FILE NAME CU01003

LONG LAKE INTERCEPTOR REHABILITATION
2-NB-100 AND 8451
EROSION CONTROL AND TEMPORARY CONVEYANCE

CU1.3
X OF X

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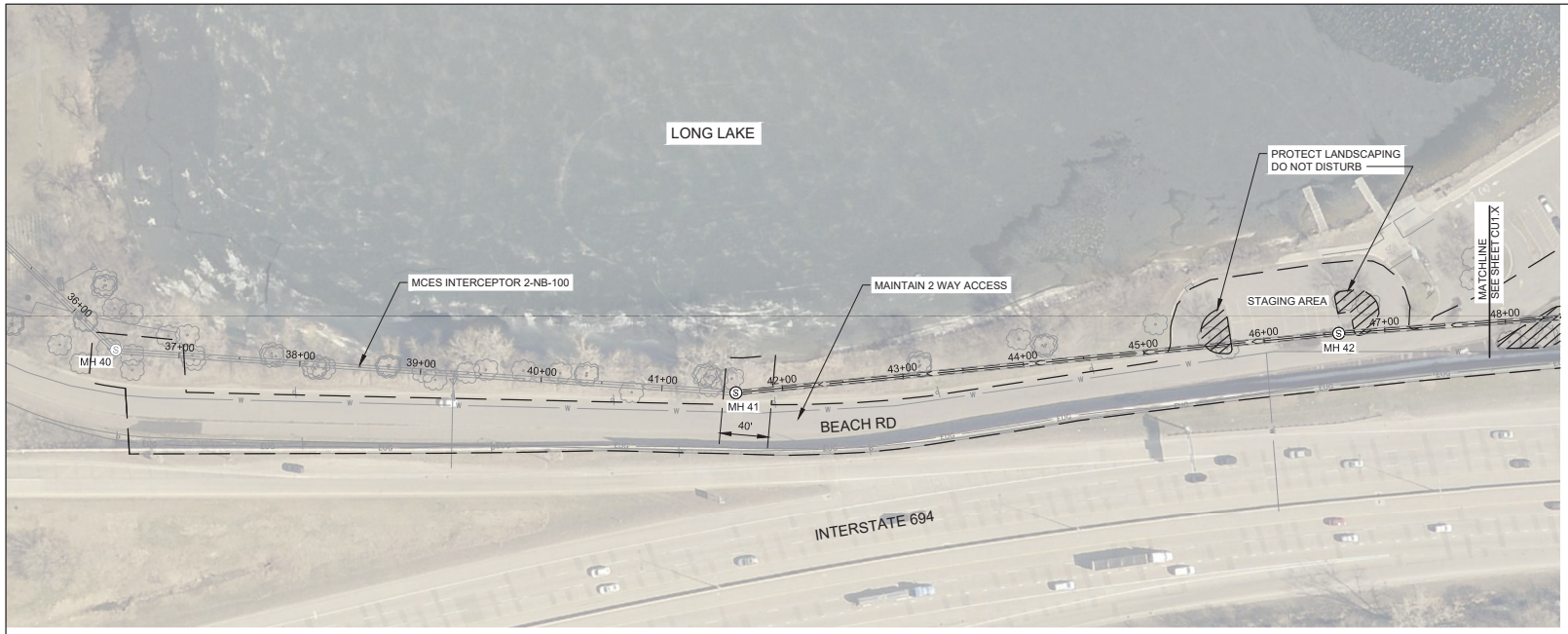
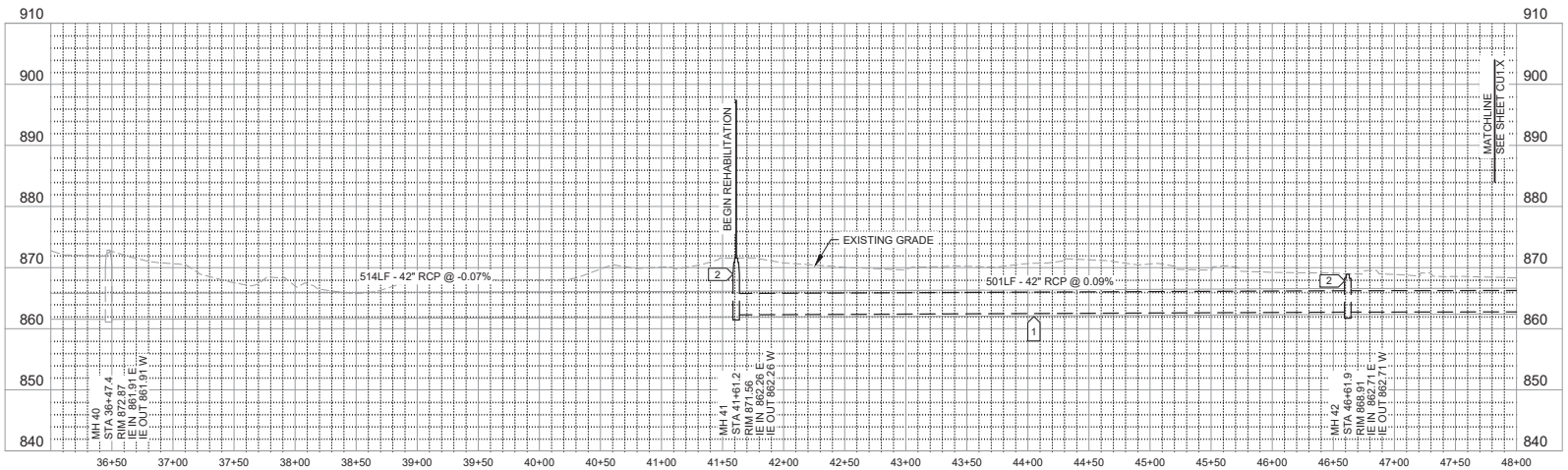


GENERAL NOTES:

1. CONTRACTOR TO FIELD VERIFY AND DOCUMENT MH LOCATIONS. RIM ELEVATIONS, INVERT ELEVATIONS, PIPE SIZES AND LENGTHS PRIOR TO CONSTRUCTION.
2. CONTRACTOR TO RE-ESTABLISH ANY EXISTING SERVICES UPON COMPLETION OF LINING INSTALLATION.
3. CONTRACTOR TO VERIFY AND DOCUMENT LOCATION OF ANY ABANDONED SERVICES.
4. CONTRACTOR TO MAINTAIN ACCESS TO RESIDENTIAL AND COMMERCIAL PROPERTIES AT ALL TIMES.
5. CONTRACTOR TO NOTIFY HOMEOWNERS AND BUSINESSES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.
6. CONTRACTOR SHALL MAINTAIN ACCESS TO BOAT LAUNCH AT ALL TIMES.

KEY NOTES:

1. CIPP LINER. SEE SCHEDULE ON SHEET CUX.XX FOR ADDITIONAL INFORMATION.
2. MH REHABILITATION. SEE STRUCTURE SCHEDULE ON SHEET CUX.XX FOR ADDITIONAL INFORMATION.



LEGEND:

CONSTRUCTION LIMITS

0 50 100

NO	DATE	BY	REMARKS	NO	DATE	BY	REMARKS
	MM/DD/YY		ISSUED FOR BIDDING				

REVISIONS REVISIONS

DESIGNED AMJ
DRAWN PRW
CHECKED WJJ

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SIGNATURE:
TYPED OR PRINTED NAME: SIGNED BY
DATE MM/DD/YY REG NO ######

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Lake Elmo, MN 55042
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PROJECT 808861
FILE NAME CU01004

LONG LAKE INTERCEPTOR REHABILITATION
2-NB-100 AND 8451
PLAN AND PROFILE

CU1.4
X OF X

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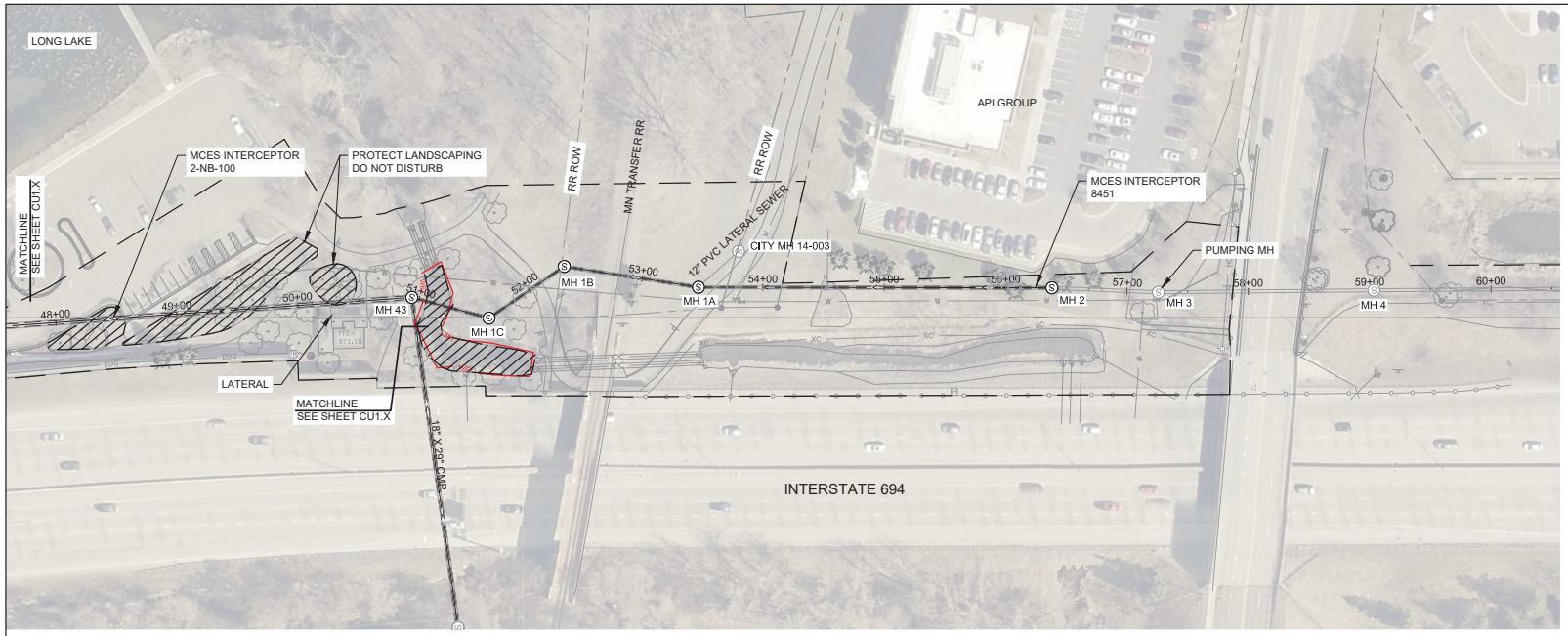

GENERAL NOTES:

1. CONTRACTOR TO FIELD VERIFY AND DOCUMENT MH LOCATIONS. RIM ELEVATIONS, INVERT ELEVATIONS, PIPE SIZES AND LENGTHS PRIOR TO CONSTRUCTION.
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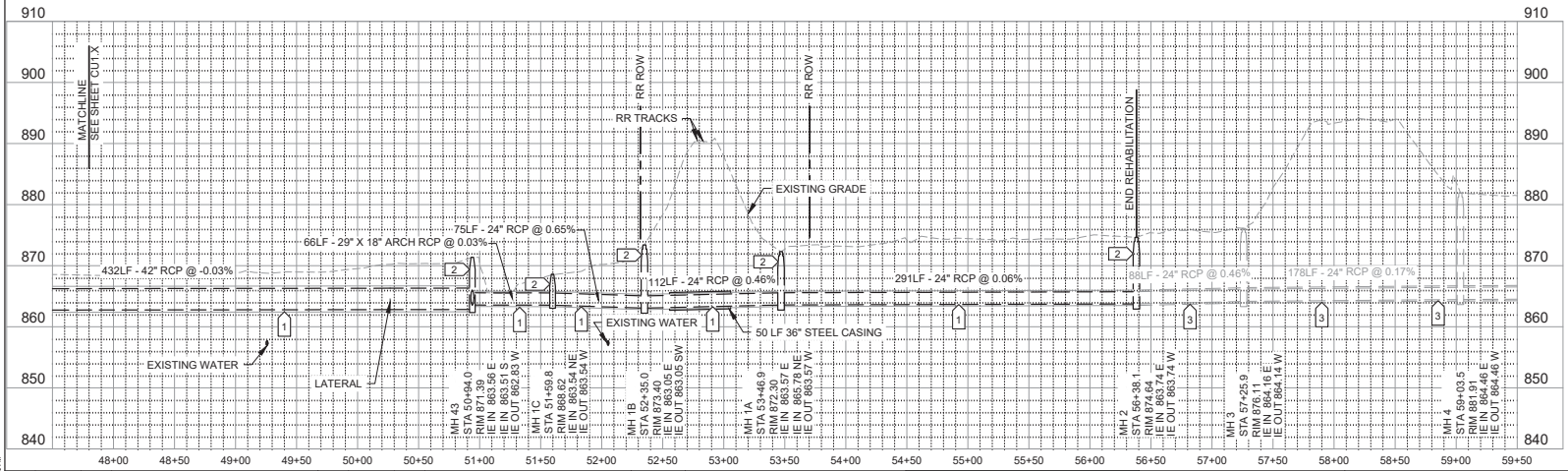
3. CONTRACTOR TO VERIFY AND DOCUMENT LOCATION OF ANY ABANDONED SERVICES.
4. CONTRACTOR TO MAINTAIN ACCESS TO RESIDENTIAL AND COMMERCIAL PROPERTIES AT ALL TIMES.
5. CONTRACTOR TO NOTIFY HOMEOWNERS AND BUSINESSES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.

KEY NOTES:

1. CIPP LINER. SEE SCHEDULE ON SHEET CUX.XX FOR ADDITIONAL INFORMATION.
2. MH REHABILITATION. SEE STRUCTURE SCHEDULE ON SHEET CUX.XX FOR ADDITIONAL INFORMATION.
3. CIPP LINER PREVIOUSLY INSTALLED.



LEGEND:

CONSTRUCTION LIMITS

0 50 100

								DESIGNED	AMJ
								DRAWN	PRW
	MM/DD/YY		ISSUED FOR BIDDING					CHECKED	WJJ
NO	DATE	BY	REMARKS	NO	DATE	BY	REMARKS		
REVISIONS				REVISIONS					

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TYPED OR PRINTED NAME: SIGNED BY

DATE: MM/DD/YY REG NO: #####

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8550 Hudson Boulevard North, Suite 105
Lake Elmo, MN 55042
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PROJECT: PROJECT NUMBER

FILE NAME: CU01005

LONG LAKE INTERCEPTOR REHABILITATION
2-NB-100 AND 8451
PLAN AND PROFILE

CU1.5

X OF X

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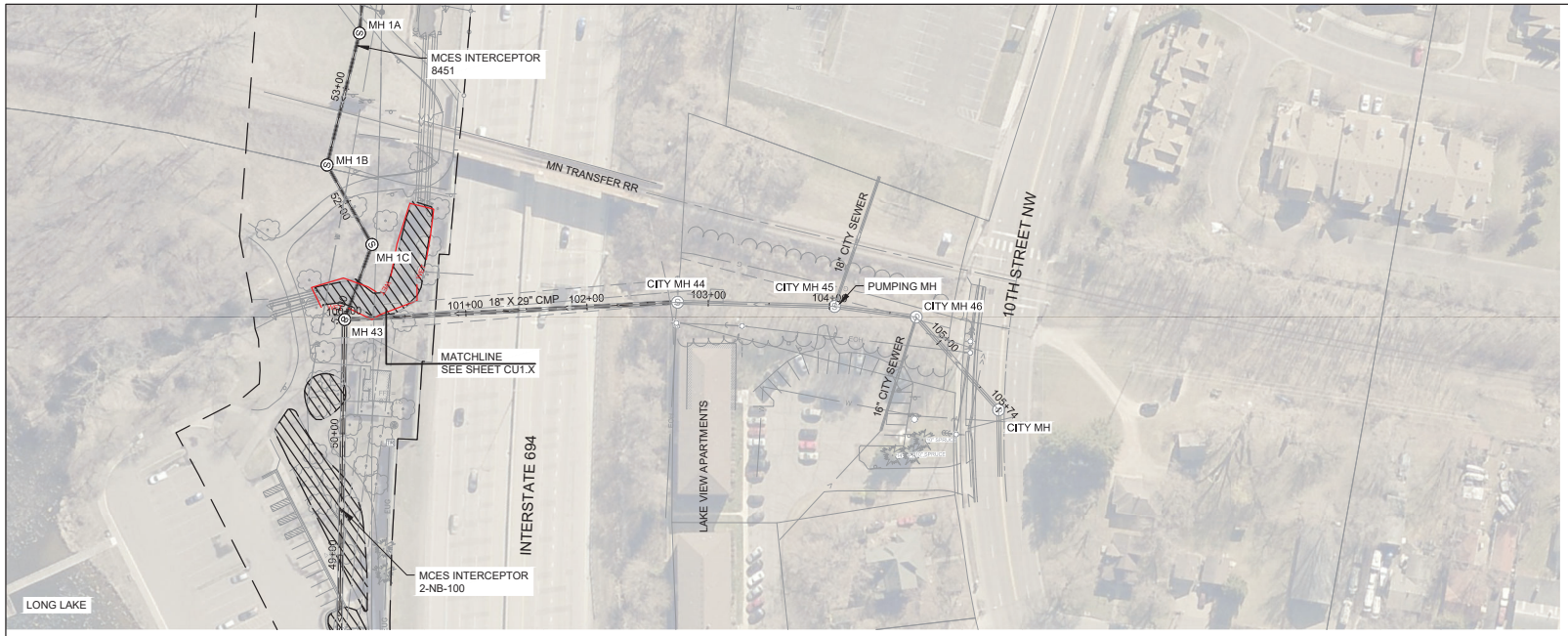

GENERAL NOTES:

1. CONTRACTOR TO FIELD VERIFY AND DOCUMENT MH LOCATIONS. RIM ELEVATIONS, INVERT ELEVATIONS, PIPE SIZES AND LENGTHS PRIOR TO CONSTRUCTION.
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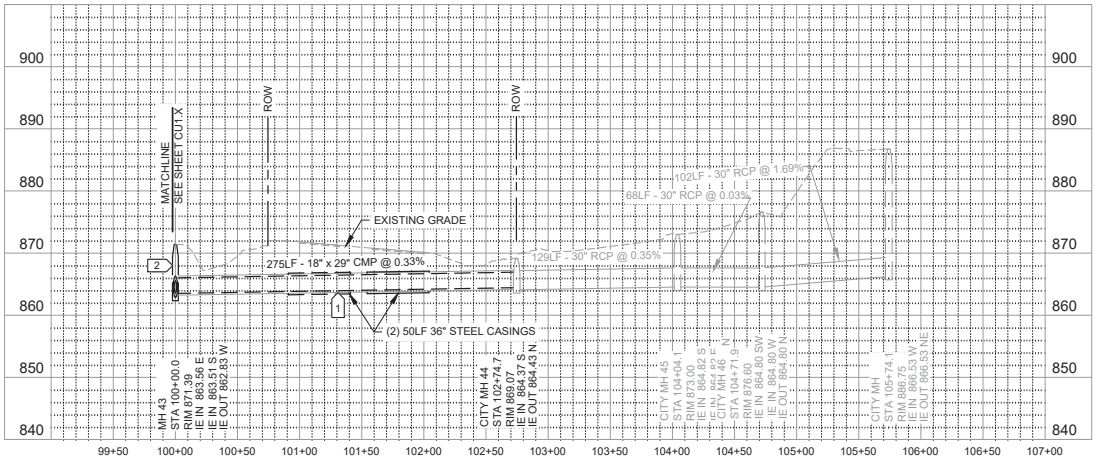
4. CONTRACTOR TO MAINTAIN ACCESS TO RESIDENTIAL AND COMMERCIAL PROPERTIES AT ALL TIMES.
5. CONTRACTOR TO NOTIFY HOMEOWNERS AND BUSINESSES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.

KEY NOTES:

1. CIPP LINER. SEE SCHEDULE ON SHEET CUX.XX FOR ADDITIONAL INFORMATION.
2. MH REHABILITATION. SEE STRUCTURE SCHEDULE ON SHEET CUX.XX FOR ADDITIONAL INFORMATION.



LEGEND:

CONSTRUCTION LIMITS

0 50 100

NO	DATE	BY	REMARKS	NO	DATE	BY	REMARKS
	MM/DD/YY		ISSUED FOR BIDDING				
REVISIONS				REVISIONS			

DESIGNED AMJ
DRAWN PRW
CHECKED WJJ

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SIGNATURE:
TYPED OR PRINTED NAME: SIGNED BY
DATE MM/DD/YY REG NO #####

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PROJECT
PROJECT NUMBER
FILE NAME
CU01006

LONG LAKE INTERCEPTOR REHABILITATION
2-NB-100 AND 8451
PLAN AND PROFILE

CU1.6
X OF X

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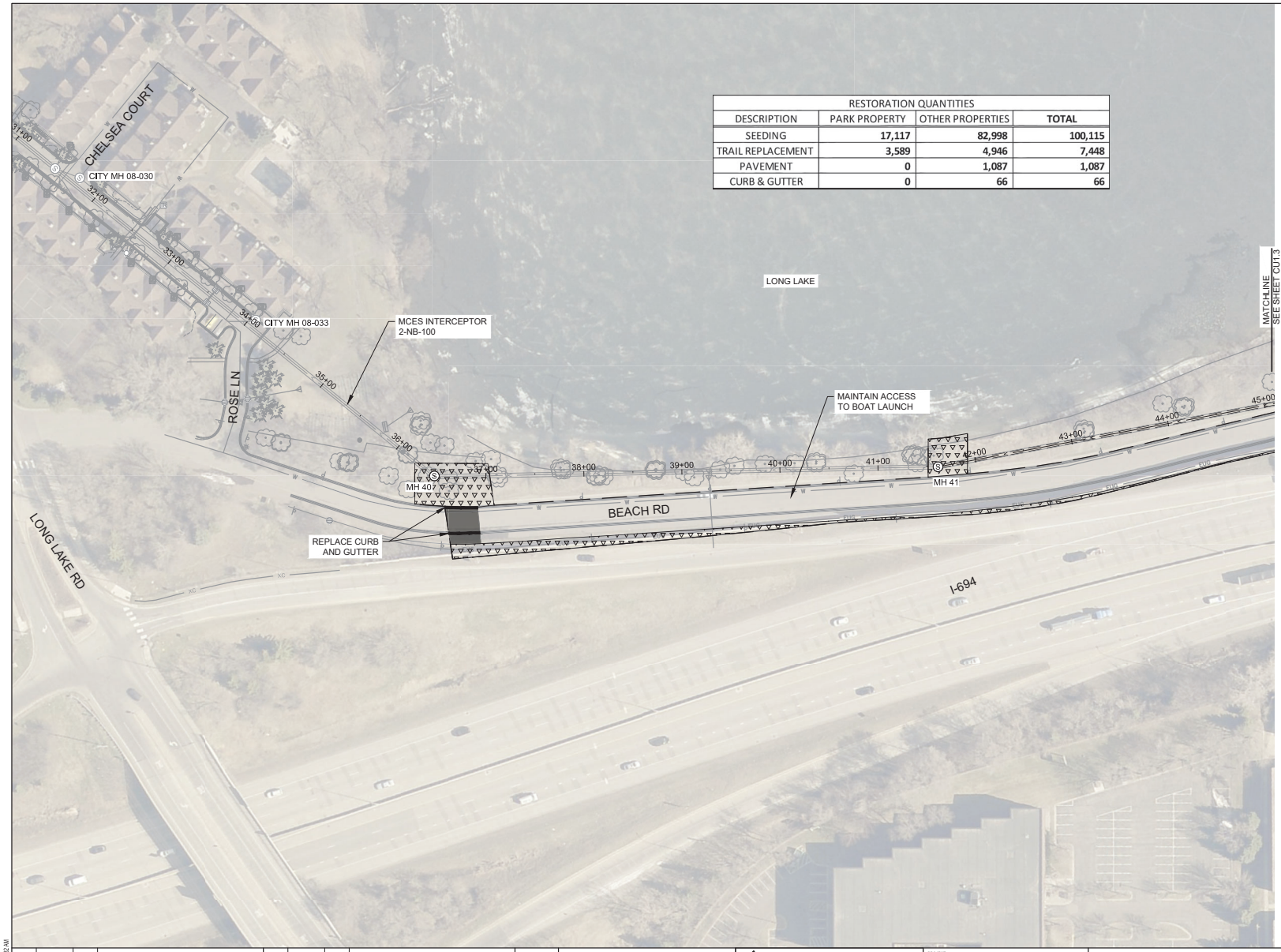

RESTORATION QUANTITIES			
DESCRIPTION	PARK PROPERTY	OTHER PROPERTIES	TOTAL
SEEDING	17,117	82,998	100,115
TRAIL REPLACEMENT	3,589	4,946	7,448
PAVEMENT	0	1,087	1,087
CURB & GUTTER	0	66	66

GENERAL NOTES:

1. RESTORE DAMAGED AREAS AS DIRECTED BY CAR.
2. COMPLY WITH ALL REQUIREMENTS OF EROSION CONTROL PERMITS.
3. CONTRACTOR SHALL REPAIR ANY DAMAGED LANDSCAPING.
4. CONTRACTOR SHALL RESTORE ANY PAVED OR NON-PAVED AREAS ON SITE ACCESS ROUTES AS DIRECTED BY CAR. RESTORATION OF THESE AREAS ARE INCIDENTAL TO THE PROJECT.
5. SEE SHEETS GIX FOR SIDEWALK, DRIVEWAY APRON, AND TYPICAL SECTION DETAILS.

KEY NOTES:

1. x.

LEGEND:

- CONSTRUCTION LIMITS
- SEED MIX 34-181 AND HYDROMULCH
- BITUMINOUS PAVEMENT
- CONCRETE CURB AND GUTTER

0 50 100

NO	DATE	BY	REMARKS	NO	DATE	BY	REMARKS
			ISSUED FOR BIDDING				

REVISIONS REVISIONS

DESIGNED AMJ
DRAWN PRW
CHECKED
CHECKED BY

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DATE MM/DD/YY REG NO ######

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PROJECT 808862
FILE NAME CU007

LONG LAKE INTERCEPTOR REHABILITATION
2-NB-100 AND 8451
RESTORATION

CU7
X OF X

Q:\METROPOLITAN COUNCIL ENVIRONMENTAL SERVICES\GRASS LAKE-LONG LAKE SEWER REH-15P013B\LONG LAKE SEWER REH-15P013B\SHEETS\CU007.DWG
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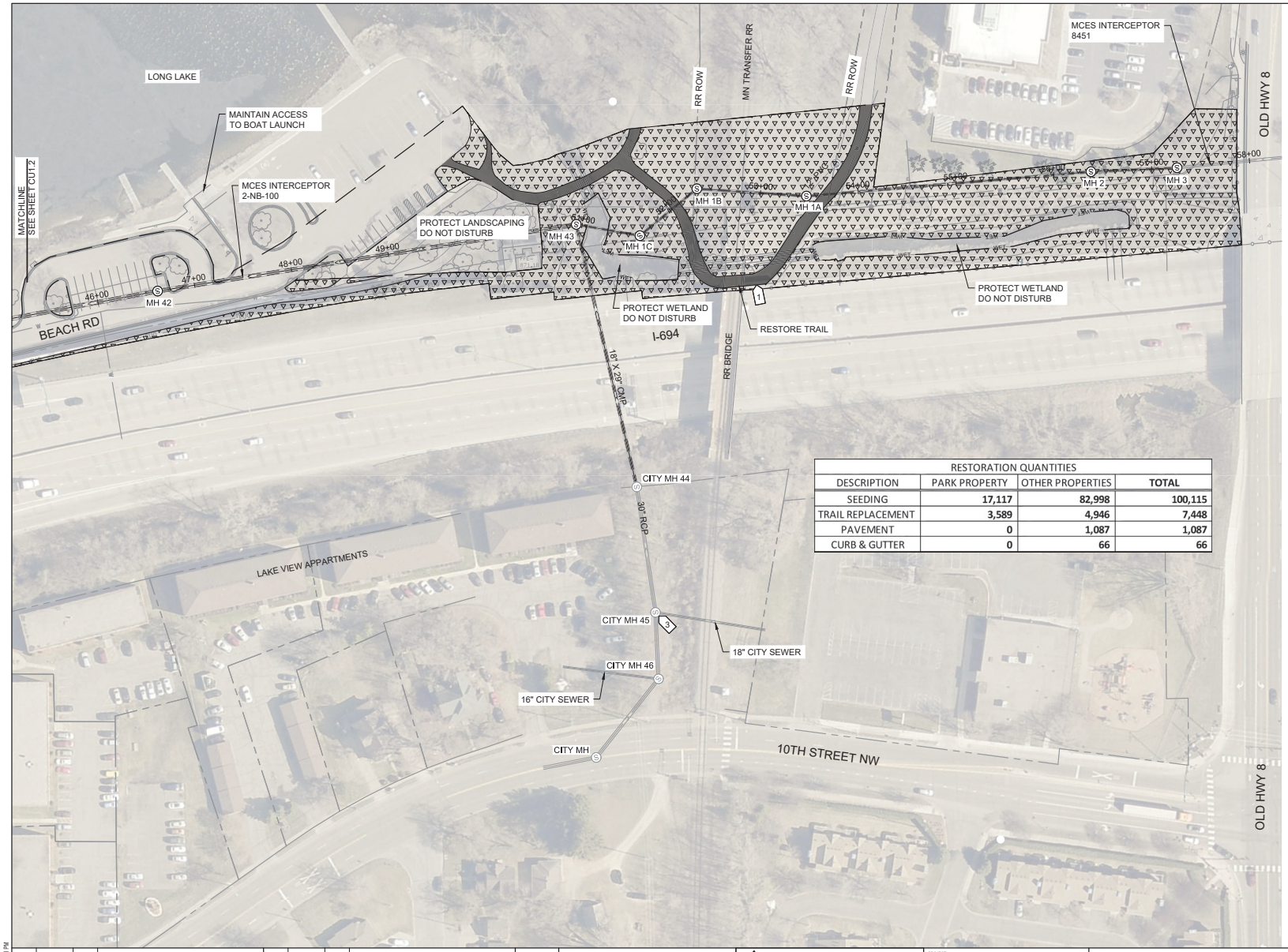

RESTORATION QUANTITIES			
DESCRIPTION	PARK PROPERTY	OTHER PROPERTIES	TOTAL
SEEDING	17,117	82,998	100,115
TRAIL REPLACEMENT	3,589	4,946	7,448
PAVEMENT	0	1,087	1,087
CURB & GUTTER	0	66	66

GENERAL NOTES:

1. RESTORE DAMAGED AREAS AS DIRECTED BY CAR.
2. COMPLY WITH ALL REQUIREMENTS OF EROSION CONTROL PERMITS.
3. CONTRACTOR SHALL REPAIR ANY DAMAGED LANDSCAPING.
4. CONTRACTOR SHALL RESTORE ANY PAVED OR NON-PAVED AREAS ON SITE ACCESS ROUTES AS DIRECTED BY CAR. RESTORATION OF THESE AREAS ARE INCIDENTAL TO THE PROJECT.
5. SEE SHEETS GIX FOR SIDEWALK, DRIVEWAY APRON, AND TYPICAL SECTION DETAILS.

KEY NOTES:

1. RESTORE BITUMINOUS TRAIL SECTION WITH 6" CLASS 5 AND 3" BITUMINOUS WEAR COURSE AS DIRECTED BY CAR.

LEGEND:

CONSTRUCTION LIMITS

SEED MIX 34-181 AND HYDROMULCH

BITUMINOUS PAVEMENT

0 50 100

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NO	DATE	BY	REMARKS	NO	DATE	BY	REMARKS
	MM/DD/YY		ISSUED FOR BIDDING				
REVISIONS				REVISIONS			

DESIGNED AMJ
DRAWN PRW
CHECKED WJJ

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.

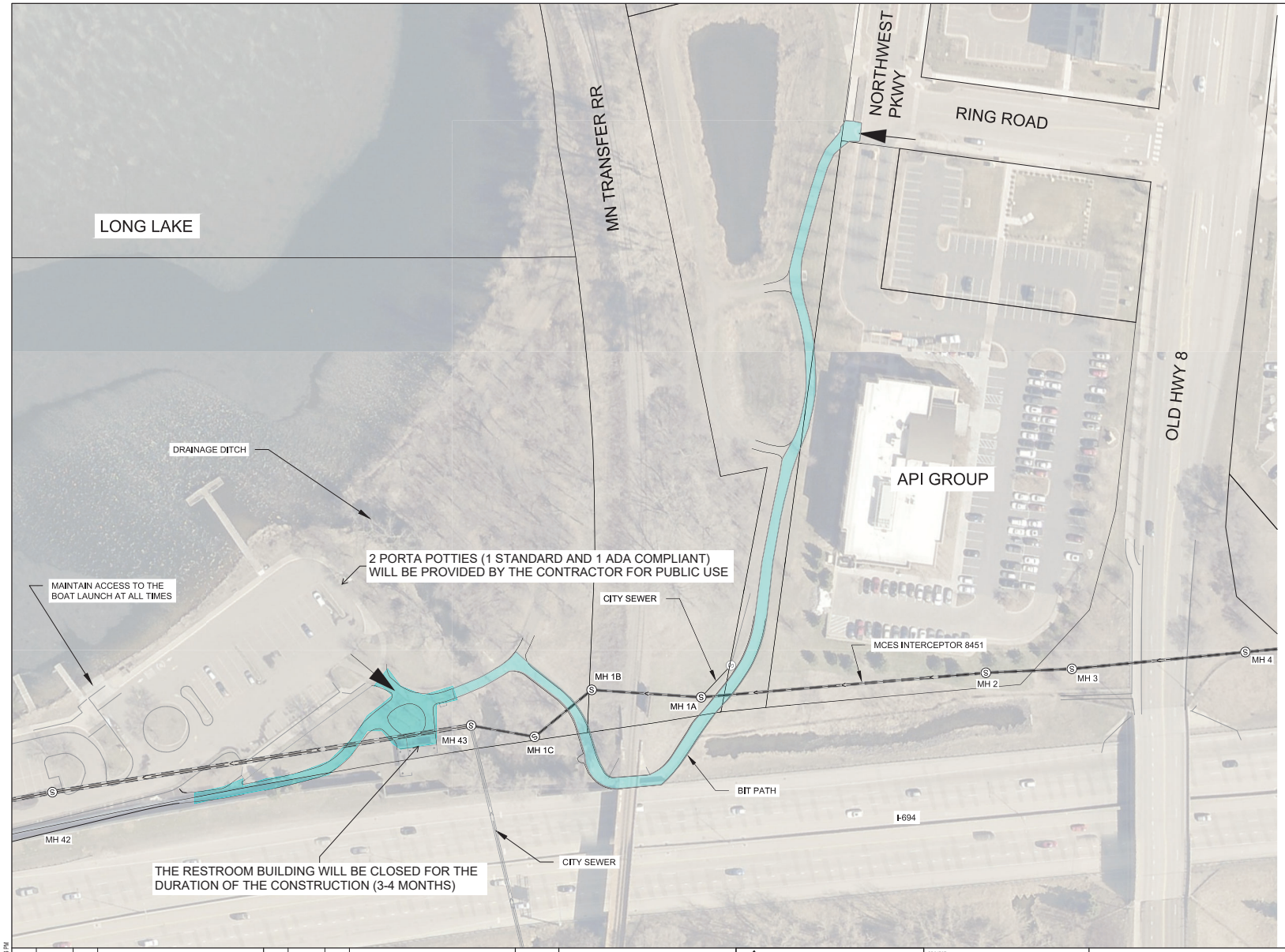
SIGNATURE:
TYPED OR PRINTED NAME: SIGNED BY
DATE MM/DD/YY REG NO #####

Foth
Foth Infrastructure & Environment, LLC
Eagle Point II
8550 Hudson Boulevard North, Suite 105
Lake Elmo, MN 55042
Phone: 651-286-8550 Fax: 651-286-8551

PROJECT 808862
FILE NAME CU008

LONG LAKE INTERCEPTOR REHABILITATION
2-NB-100 AND 8451
RESTORATION

CU8
X OF X



LEGEND:

CONTRACTOR SITE ACCESS ROUTES

TRAIL CLOSED TO PUBLIC

NO	DATE	BY	REMARKS	NO	DATE	BY	REMARKS
	MM/DD/YY		ISSUED FOR BIDDING				

REVISIONS REVISIONS

DESIGNED AMJ
DRAWN PRW
CHECKED WJJ

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:
TYPED OR PRINTED NAME: SIGNED BY
DATE MM/DD/YY REG NO ######

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PROJECT 808861
FILE NAME LL-TRAIL CLOSURE FIG

LONG LAKE INTERCEPTOR REHABILITATION
2-NB-100 AND 8451
TRAIL CLOSURES

EXHIBIT C
X OF X

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MODIFIED: 1/9/2022 2:07:24 PM