

Information for File #2012-02355-ADB

Applicant City of Lino Lakes

Corps Contact Andy Beaudet

Address Corps of Engineers, St. Paul District (OP-R)
180 5th Street E, suite 700, St Paul, MN 55101-1678

E-Mail Andrew.D.Beaudet@usace.army.mil

Phone (651) 290-5642

Primary County Anoka

Section 24

Township 31N

Range 22W

Information Complete On January 28, 2014

Posting Expires On March 10, 2014

Authorization Type MN-LOP-05

This application is being reviewed in accordance with the practices for documenting Corps jurisdiction under Sections 9 & 10 of the Rivers and Harbor Act of 1899 and Section 404 of the Clean Water Act identified in Regulatory Guidance Letter 07-01. We have made a preliminary determination that the aquatic resources that would be impacted by the proposed project are regulated by the Corps of Engineers under Section 404 of the Clean Water Act. Our jurisdictional review and final jurisdictional determination could result in modifications to the scope of the project's regulated waterbody/wetland impacts and compensatory mitigation requirements identified above. Any approved jurisdictional determination made prior to reaching a permit decision will be posted on the St. Paul District web page at <http://www.mvp.usace.army.mil/>.

PROJECT DESCRIPTION AND PURPOSE: The City of Lino Lakes is proposing to extend 21st Avenue North approximately 1,300 feet north of Main Street (CSAH 14). The extension is needed to provide access for future residential and commercial development of the area. Metro Transit is proposing the construction of a Park & Ride facility on the northeastern portion of the project area. In general, the 21st Avenue North improvements will consist of street, sanitary sewer, water main, storm sewer, traffic control signalization and pedestrian movement construction and implantation. Three

storm water ponds will also be constructed as part of the improvement project to accommodate the proposed road and future area development drainage needs. The proposed improvements have been designed in a manner that accounts for the current and predicted future traffic volume of the project area and surrounding area.

NAME, AREA AND TYPES OF WATERS (INCLUDING WETLANDS) SUBJECT TO LOSS: The wetland community impacted consists of 26,361 square feet of Seasonally Flooded Basin (Type 1) wetland.

COMPENSATORY MITIGATION: The applicant would provide compensatory mitigation at a 2 to 1 ratio by debiting 52,722 square feet of credit from a Corps-approved bank for the wetland impacts associated with the road extension.

Drawings See attached drawing labeled MVP-2012-02355-ADB Page 1 of 8 thru 8 of 8.

2014 STREET IMPROVEMENT PROJECT FOR THE CITY OF LINO LAKES

CONSTRUCTION PLAN FOR GRADING, SURFACING, STORM SEWER, SIGNING, SIGNAL MODIFICATIONS, STRIPING & TURF ESTABLISHMENT
LOCATED ON 21ST AVENUE NO. FROM CSAH 14 TO 1325' NORTH OF CSAH 14

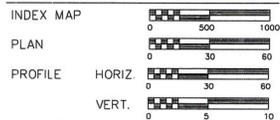
PLAN SYMBOLS

- STATE LINE
- COUNTY LINE
- TOWNSHIP OR RANGE LINE
- SECTION LINE
- QUARTER LINE
- SIXTEENTH LINE
- RIGHT-OF-WAY LINE
- SLOPE EASEMENT
- PRESENT RIGHT-OF-WAY
- CONTROL OF ACCESS LINE
- PROPERTY LINES (EXCEPT LAND LINES)
- VACATED PLATTED PROPERTY
- CORPORATE OR CITY LIMITS
- TRUNK HIGHWAY CENTER LINE
- RETAINING WALL
- RAILROAD
- RAILROAD RIGHT-OF-WAY
- RIVER OR CREEK
- DRY RUN
- DRAINAGE DITCH
- DRAIN TILE
- CULVERT
- DROP INLET
- GUARD RAIL
- BARBED WIRE FENCE
- WOVEN WIRE FENCE
- CHAIN LINK FENCE
- RAILROAD SNOW FENCE
- STONE WALL OR FENCE
- HEDE
- RAILROAD CROSSING SIGN
- RAILROAD CROSSING BELL
- ELECTRIC WARNING SIGN
- CROSSING GATE
- MEANDER CORNER
- SPRINGS
- WASH
- TIMBER
- ORCHARD
- BRUSH
- NURSERY
- CATCH BASIN
- FIRE HYDRANT
- CATTLE GUARD
- OVERPASS (HIGHWAY OVER)
- UNDERPASS (HIGHWAY UNDER)
- BRIDGE
- BUILDING (ONE STORY FRAME)
- F - FRAME C - CONCRETE
- S - STONE T - TILE
- B - BRICK ST - STUCCO
- IRON ROD OR PIPE
- MONUMENT (STONE, CONCRETE, OR METAL)
- WOODEN HUB
- PROFILE P.V.I.
- GRAVEL PIT
- SAND PIT
- BORROW PIT
- ROCK QUARRY

UTILITY SYMBOLS

- POWER POLE LINE
- TELEPHONE OR TELEGRAPH POLE LINE
- JOINT TELEPHONE AND POWER
- ON POWER POLE
- ON TELEPHONE POLES
- ANCHOR
- STREET LIGHT
- PODESTAL (TELEPHONE CABLE TERMINAL)
- GAS MAIN
- WATER MAIN
- CONDUIT
- TELEPHONE CABLE IN CONDUIT
- ELECTRIC CABLE IN CONDUIT
- TELEPHONE MANHOLE
- ELECTRIC MANHOLE
- BURIED TELEPHONE CABLE
- BURIED ELECTRIC CABLE
- AERIAL TELEPHONE CABLE
- SEWER (SANITARY OR STORM)
- SEWER MANHOLE

SCALES



GOVERNING SPECIFICATIONS
 WATERMAIN AND SANITARY SEWER SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY ENGINEER'S ASSOCIATION OF MINNESOTA STANDARD UTILITIES SPECIFICATIONS (1999).
 THE 2005 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION" SHALL GOVERN.
 ALL TRAFFIC CONTROL DEVICES AND SIGNING SHALL CONFORM TO THE MN MUTCD INCLUDING THE FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS, ALL TRAFFIC CONTROL DEVICES SHALL HAVE RETROREFLECTIVE SHEETING.

INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	GENERAL LAYOUT
3	ESTIMATED QUANTITIES
4	EARTHWORK TABULATION
5	CONSTRUCTION NOTES
6-7	CONSTRUCTION DETAILS
8-12	PEDESTRIAN RAMP DETAILS
13	TYPICAL SECTION
14	TRAFFIC CONTROL PLAN
15	REMOVAL PLAN
16-18	SANITARY SEWER AND WATER MAIN
19-21	STORM SEWER AND STREET IMPROVEMENTS
22	PCWD GRADING PLAN
23	SIGNING AND STRIPING PLAN
24	SIGNING AND STRIPING DETAILS
25-30	SIGNAL MODIFICATIONS
31-34	BROSDEN CONTROL PLAN AND NOTES
35-42	CROSS SECTIONS

THIS PLAN SET CONTAINS 42 SHEETS

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

WSB
 Associates, Inc.
 701 Xenia Avenue South, Suite 300
 Minneapolis, MN 55416
 Tel: (763) 541-4800 Fax: (763) 541-1700
 wsbeng.com
 engineering • planning • environmental • construction

I HEREBY CERTIFY THAT THIS PLAN 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.
 ENCR. _____
 JASON C. WEDEL, P.E.
 DATE February 1, 2014 LIC. NO. 26768



Prepared for:
City of Lino Lakes
 600 Town Center Parkway
 Lino Lakes, Minnesota 55014
 (651) 982-2400

EXCAVATION NOTICE SYSTEM
 A CALL TO GOPHER STATE ONE (651-454-0002) IS REQUIRED A MINIMUM OF 48 HOURS PRIOR TO PERFORMING ANY EXCAVATION.
 TICKET NO. 130350441

THE SUBSURFACE UTILITY INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF PRIVATE AND PUBLIC UTILITIES HAS BEEN DESIGNATED UTILITY LEVEL D. THESE QUALITY LEVELS WERE DETERMINED ACCORDING TO THE GUIDELINES OF C/ASCE 38-02, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE DATA". THE CONTRACTOR IS TO DETERMINE THE TYPE AND LOCATION OF PRIVATE UTILITIES AS MAY BE DEEMED NECESSARY TO AVOID DAMAGE THERETO.

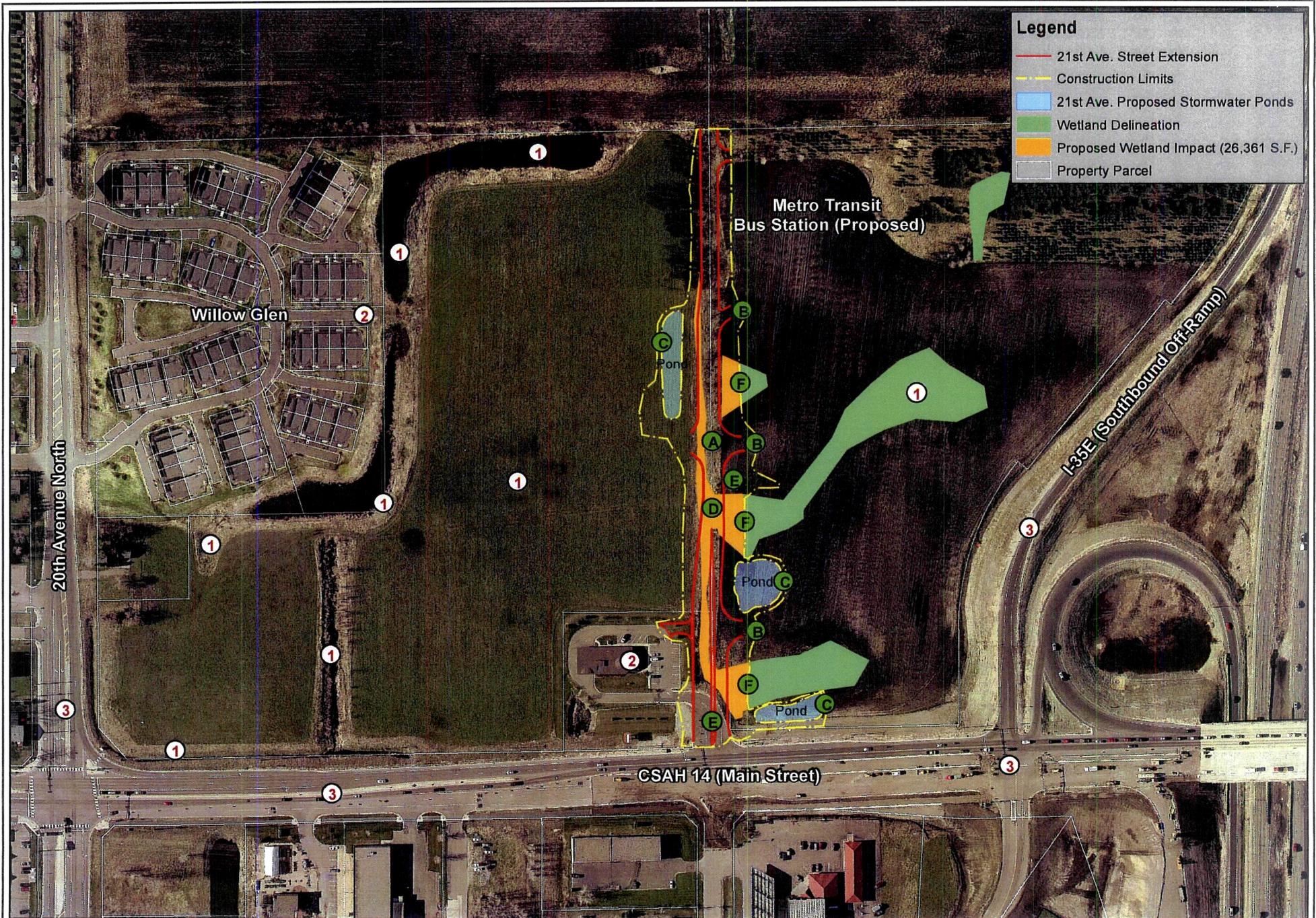


Figure 1. Wetland Sequencing and Proposed Impact Map
21st Avenue Improvements
 City of Lino Lakes, MN

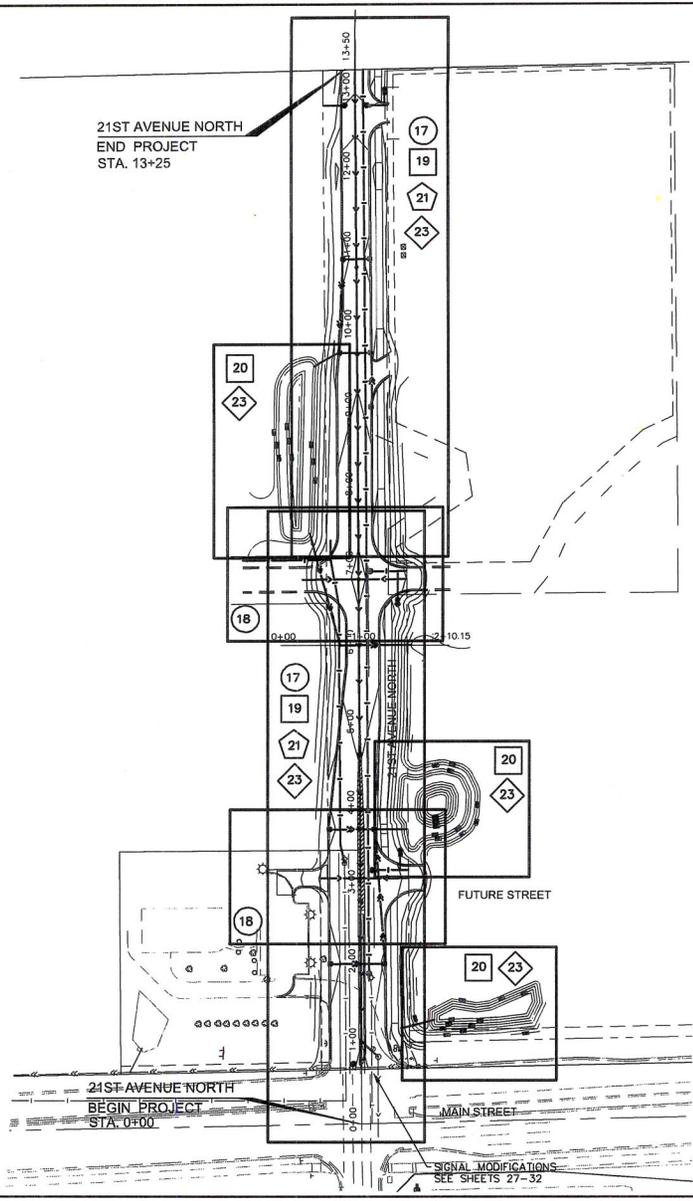


0 125 250 Feet

N

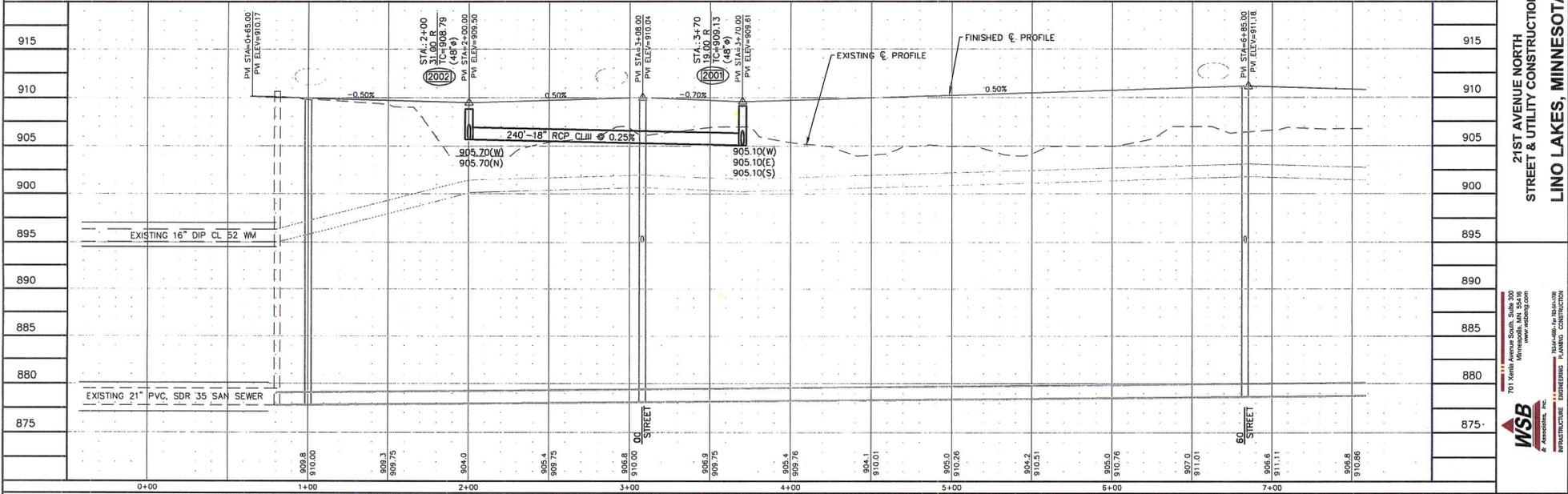
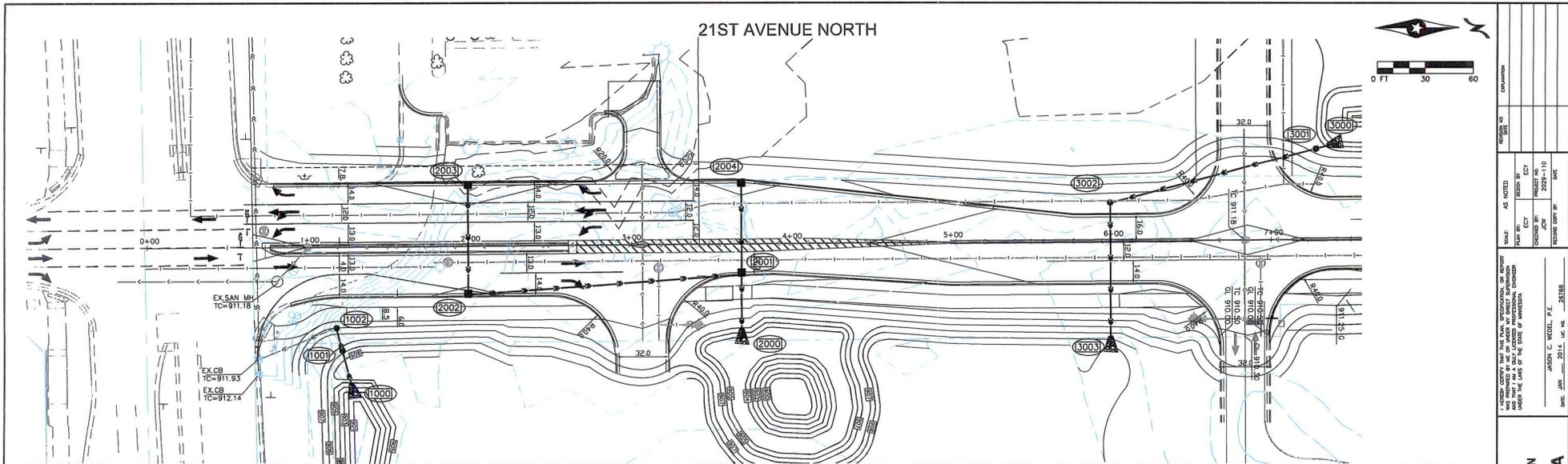
WSB
Associates, Inc.

Document Path: K:\02029-11\GIS\Maps\2029-11 Wetland Avoidance.mxd Date Saved: 1/23/2014 3:38:35 PM



- LEGEND
- (X) SANITARY SEWER AND WATER MAIN
 - (X) STREET CONSTRUCTION / STORM SEWER PLANS
 - (X) STRIPING PLAN
 - (X) EROSION CONTROL PLAN

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 PROFESSIONAL ENGINEER under the laws of the State of Minnesota. JASON C. WEDDL, P.E. DATE: JAN. 2011 LIC. NO. 202158	
AS NOTED SCALE: 1" = 40' DATE: 01/10/11 DRAWN BY: JAW CHECKED BY: JAW REVISIONS:	EXAMINATION DATE: 01/10/11 CHECKED BY: JAW DATE: 01/10/11
21ST AVENUE NORTH STREET & UTILITY CONSTRUCTION LINO LAKES, MINNESOTA	
707 Xenia Avenue South, Suite 300 Minneapolis, MN 55425 www.wsbgroup.com	



DATE	2014	BY	W.S.B.
SCALE	AS NOTED	DESIGN BY	W.S.B.
PLAN NO.	2014-110	CHECKED BY	W.S.B.
CONTRACT NO.	2014-110	DATE	2014-11-10
PROJECT NO.	2014-110	RECORD COPY #	1

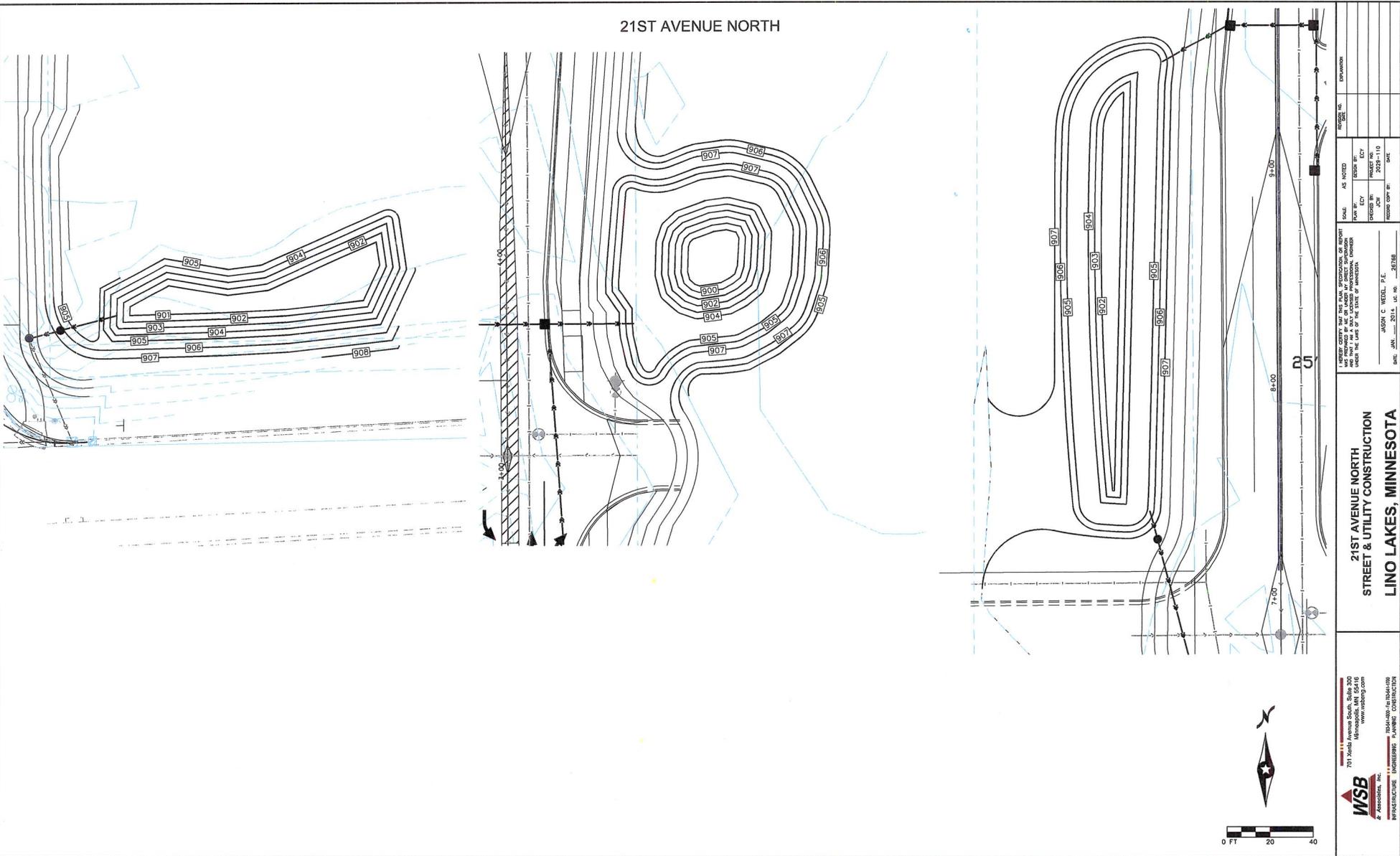
21ST AVENUE NORTH
STREET & UTILITY CONSTRUCTION
LINO LAKES, MINNESOTA

701 North Avenue South, Suite 300
Minneapolis, MN 55416
www.wsb.com

WSB & ASSOCIATES, INC.
INFRASTRUCTURE ENGINEERING PLANNING CONSULTANTS

STORM SEWER AND STREET
21ST AVENUE NORTH SHEET 19 OF 42 SHEETS

21ST AVENUE NORTH



PROJECT NO.	EXPANSION
DATE	DATE
SCALE	AS NOTED
DRAWN BY	DESIGNED BY
CHECKED BY	PROJECT MANAGER
PROJECT NO.	DATE
RECORD COPY #	
DATE	SCALE
DATE	SCALE

21ST AVENUE NORTH
 STREET & UTILITY CONSTRUCTION
 LINO LAKES, MINNESOTA

WSB
 & ASSOCIATES, INC.
 701 Hennepin South, Suite 300
 Minneapolis, MN 55416
 www.wsbinc.com