

It is expected that a Quorum of the Personnel Committee, Administration Committee, and Common Council will be attending this meeting: (although it is not expected that any official action of any of those bodies will be taken)

**CITY OF MENASHA
Board of Public Works
Third Floor Council Chambers
140 Main Street, Menasha
February 4, 2013
6:30 PM
or immediately following the Common Council**

AGENDA

- A. CALL TO ORDER
- B. ROLL CALL/EXCUSED ABSENCES
- C. MINUTES TO APPROVE
 - 1. [January 21, 2013](#)
- D. COMMUNICATION
 - 1. [Notice Regarding Ninth Street Lift Station and Force Main Improvement Project](#)
- E. ADJOURNMENT

"Menasha is committed to its diverse population. Our Non-English speaking population and those with disabilities are invited to contact the Menasha City Clerk at 967-3603 24-hours in advance of the meeting for the City to arrange special accommodations."

CITY OF MENASHA
Board of Public Works
Third Floor Council Chambers
140 Main Street, Menasha
January 21, 2013
MINUTES

A. CALL TO ORDER

Meeting called to order by Chairman Taylor at 7:35 p.m.

B. ROLL CALL/EXCUSED ABSENCES

PRESENT: Aldermen Langdon, Krueger, Zelinski, Benner, Klein, Taylor, Sevenich

EXCUSED: Alderman Englebert

ALSO PRESENT: Mayor Merkes, CA/HRD Captain, PC Styka, DPW Radtke, CDD Keil,
Deputy Treasurer Sassman, Clerk Galeazzi.

C. MINUTES TO APPROVE

1. [December 17, 2012](#)

Moved by Ald. Krueger, seconded by Ald. Langdon to approve minutes.

Motion carried on voice vote.

D. ACTION ITEMS

1. [Selection of Preferred Stone Finish Concept for Structures along STH 441
\(441 Expansion Project\)](#)

DPW Radtke explained the Wisconsin Department of Transportation is requesting municipalities involved with the STH 441 expansion project to assist in the selection of the type of stone finish for the structures east of Little Lake Butte des Morts. The options include an Ashlar stone pattern or a Stylized stone pattern.

Moved by Ald. Sevenich, seconded by Ald. Langdon to recommend to Common Council the selection of Ashlar Stone for structures along STH 441 east of Little Lake Butte des Morts.

Motion carried on roll call 7-0.

E. ADJOURNMENT

Moved by Ald. Krueger, seconded by Ald. Langdon to adjourn at 7:44 p.m.

Motion carried on voice vote.

Respectfully submitted by Deborah A. Galeazzi, WCMC, City Clerk



Memorandum

DATE: January 31, 2013

TO: Board of Public Works

FROM: Mark Radtke, Director of Public Works *MR*

RE: Notice Regarding Ninth Street Lift Station and Force Main Improvement Project

The City of Menasha has experienced several sanitary sewer bypasses in the Ninth Street Lift Station drainage basin in the past with the most recent bypass occurring in June, 2008. These bypasses occurred because the capacity of the lift station was exceeded, requiring relief through bypassing of the wastewater to the storm sewer system.

After the 2008 bypass, WisDNR issued an order for the City to enter into a Compliance Agreement with WisDNR to identify and correct system defects in order to minimize the likelihood of future bypassing. A section of the Compliance Agreement addressed the shortcomings in the Ninth Street Lift Station drainage district.

The Ninth Street Sewage Lift Station serves approximately 122 acres within the northeastern portion of the City. Most of this district is comprised of single family residential development. The drainage district boundary and existing land use are shown on the enclosed drawing.

Wastewater from the Ninth Street Lift Station district is collected by gravity sewers and conveyed to the lift station, which is located 220 feet west of the intersection of Ninth Street and Elmwood Drive. The wastewater is pumped from the lift station to a receiving sanitary sewer at the intersection of Plank Road and Melissa Street.

Two sewer system evaluation surveys (SSES) have been completed in the drainage district. The purpose of the SSES programs was to identify sources of infiltration and inflow along with defects and deficiencies in the sewer system. The first SSES was performed in 2002 with recommended improvements completed in 2003. The capacity of the lift station continued to be exceeded after the sewer rehabilitation work was completed.

A second SSES was completed in 2009 which identified additional cost effective rehabilitation work in the drainage district. In spite of these corrective measures, the wastewater flows continue to exceed the current capacity of the lift station. The lift station has a number of deficiencies. The pumps have inadequate capacity to handle the peak wastewater flows. The sewage lift station structures are 46 years old with moderate corrosion occurring at areas of coating failure, weld seams and interfaces with piping and brackets. The steel floor's protective paint coating is entirely gone and moisture from condensation has corroded the steel.

A video inspection of the 6" sewage force main determined that deposits in the iron pipe have reduced the cross sectional area of the pipe by 15 to 50 percent at various sections of the force main. The force main runs from the lift station along the south side of Ninth Street to the east side of Melissa Street to the south side of Plank Road.

Proposed improvements for this project include the following:

1. Replacement of 6" iron pipe force main with 8" plastic pipe force main
2. Blasting, cleaning and painting of the interior and exposed exterior surfaces of the lift station's steel access tube and equipment chamber
3. Installation of a cathodic protection system
4. Access stair and wet well improvements
5. Installation of variable frequency drive units (possible Focus on Energy partial rebate due to energy savings)
6. Replacement of control panel and installation of a secondary pump control system.

The estimated cost for this project is \$459,400. This project will be financed with a low interest loan at a rate of 2.625 percent from the Wisconsin Clean Water Fund. The debt service amount has been included in the recently adopted user charge update so there will be no user charge rate increase resulting from this project.

A March 12, 2013 bid date is anticipated for this project with force main work being completed by May 31, 2013 and the lift station improvements completed by August 31, 2013. There will be no service interruptions at any time during the project.

Enclosure

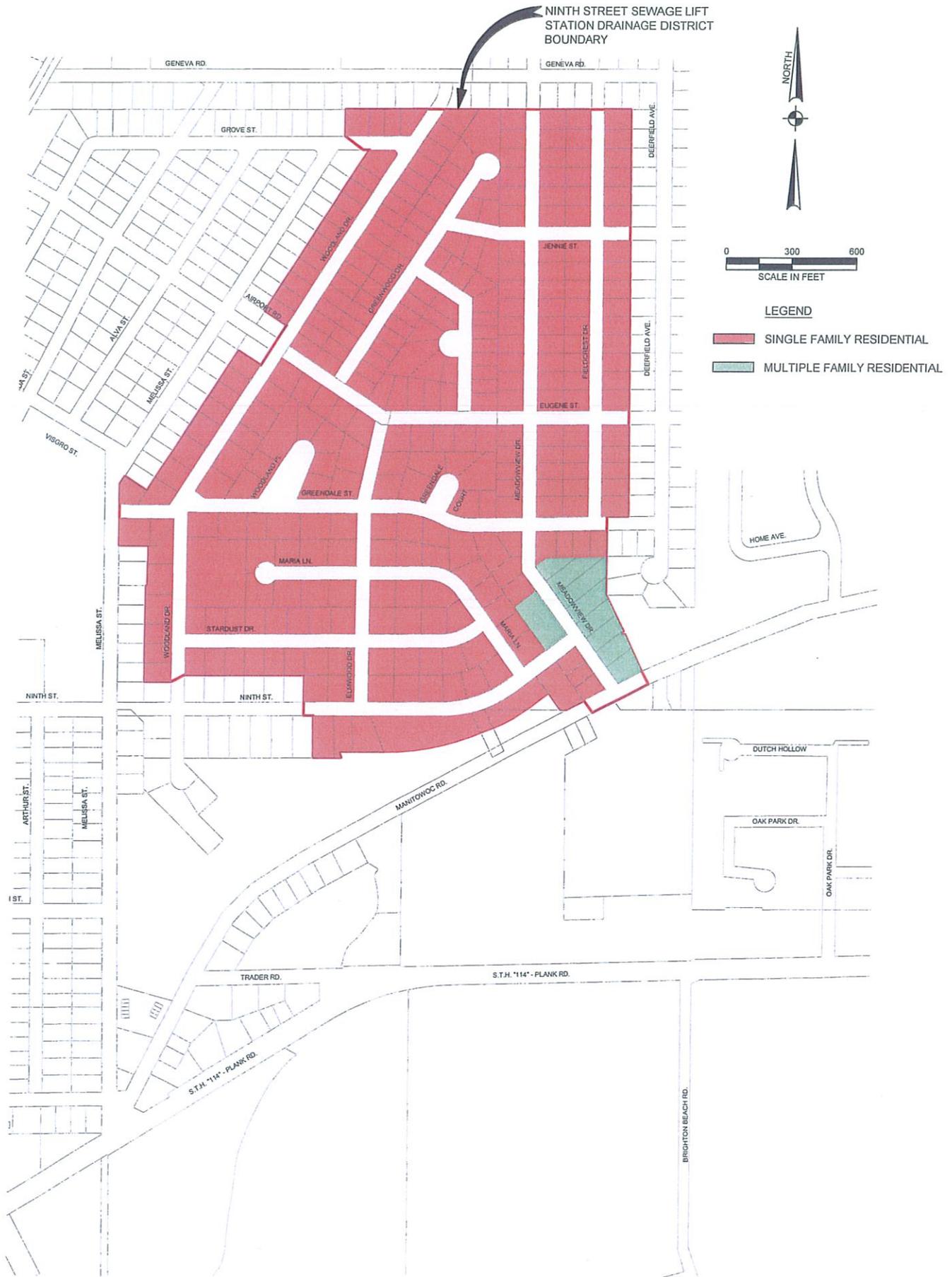
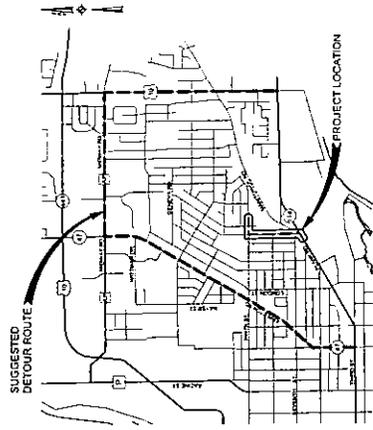
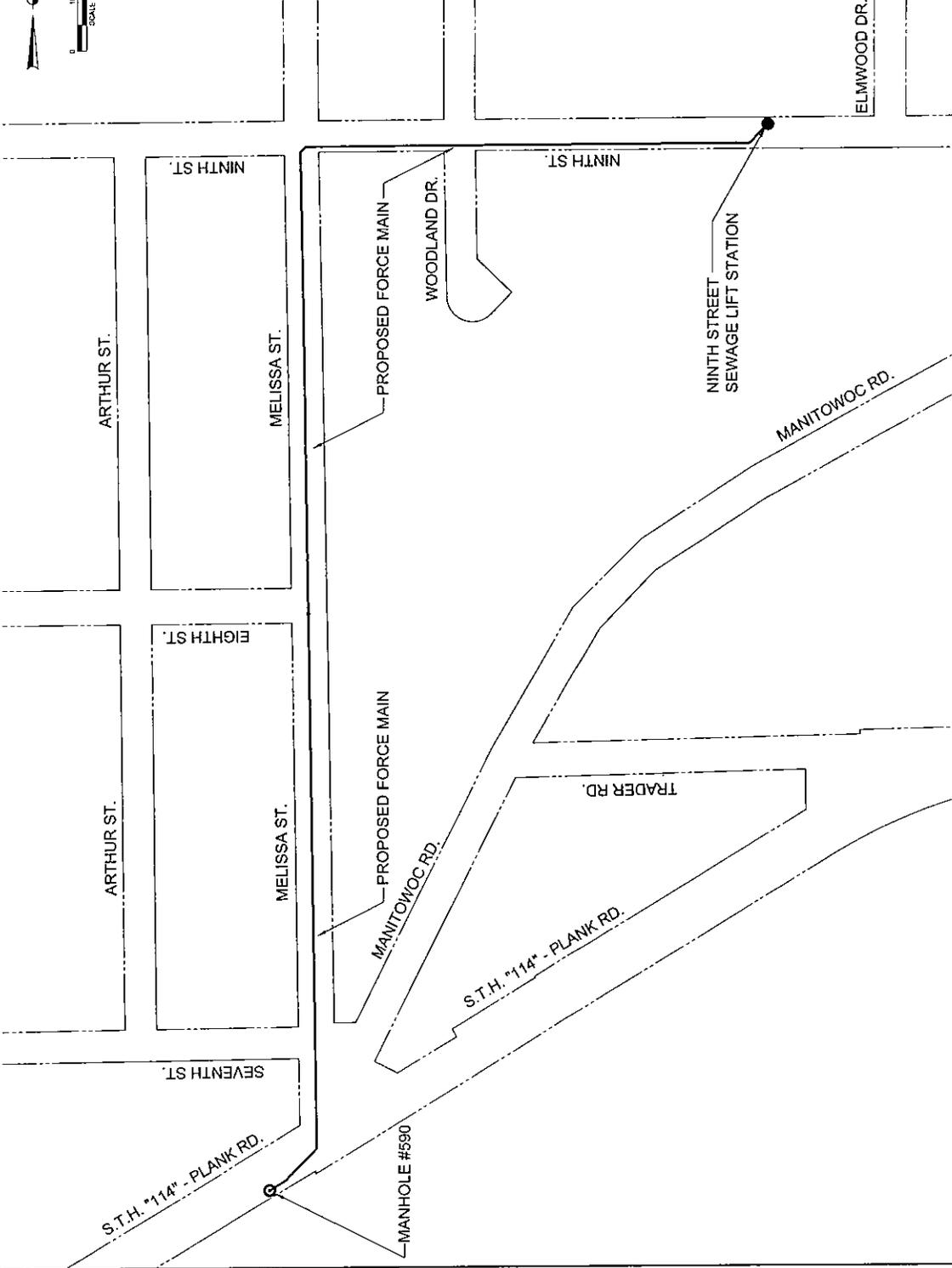
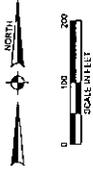


Fig. 2 Drainage District Land Use



NO.	DATE	APPR	REVISION	NO.	DATE	APPR	REVISION	DRAWN	WEB	DESIGNED	JW	CHK'D	TSN	CITY OF MENASHA WASTEWATER COLLECTION SYSTEM NINTH STREET SEWAGE LIFT STATION IMPROVEMENTS		LOCATION MAP	JOB #	DATE	SCALE	DATE	CONTRACT NO.
															104-1454804	9/25/12		1/2" = 1' AS SHOWN			

THIS DRAWING REDUCED TO HALF SIZE

Kaempfer & Associates Inc.
 Consulting Engineers
 1000 1st Street, Suite 200
 Menasha, WI 54952

DATE: 9/25/12

SCALE: 1/2" = 1' AS SHOWN

CONTRACT NO.: C2