



## CITY of NOVI CITY COUNCIL

Agenda Item 0  
June 18, 2012

**SUBJECT:** Approval of Resolution Supporting the Commerce Township Project Plan for Energy Cost Reduction and Sewer Overflow Risk Reduction in the Commerce Township Wastewater Treatment System.

**SUBMITTING DEPARTMENT:** Department of Public Services, Engineering Division *RA*

**CITY MANAGER APPROVAL:** *[Signature]*

**BACKGROUND INFORMATION:**

The City of Novi discharges wastewater to three different systems. The majority of the City (the southern portion south of 12 Mile Road) is served by the Rouge Valley system that discharges through Wayne County to the City of Detroit. The area around Walled Lake is served by the Walled Lake-Novı Wastewater Treatment Plant located near West Road and West Park Drive in Novi. A relatively small area in the northeastern portion of the City discharges to the Commerce Township Wastewater Treatment Plant, which is owned by Commerce Township (see attached map).

Commerce Township has prepared a State Revolving Fund (SRF) Project Plan to make certain improvements to its sanitary sewer system. A copy of the project plan is on file and available for review by the public at the Department of Public Services, Novi Public Library and Novi City Clerk's office; and can be viewed online using the following link: <http://www.commercetwp.com/postings>. The SRF Project Plan has been prepared in accordance with the MDEQ's project plan guidance document which requires Commerce Township to seek the support of those communities that are served by Commerce Township's sanitary sewage collection and treatment system. The attached resolution would support Commerce Township's efforts to improve its system as detailed in the Project Plan that is to be filed in connection with the SRF loan application.

The Project Plan describes three projects:

- **Newton Road Sewer Force Main:** The project will provide a means to quickly and easily create a bypass in the event of a failure in part of Commerce Township's trunk force main system and will reduce the risk and severity of future sanitary sewer overflows. The Newton Road Sewer Force Main will not serve or affect the City of Novi.
- **Heat Recovery System at the Wastewater Treatment Plant:** This system will recover heat from the treated effluent to reduce the costs to heat buildings at the wastewater treatment plant. This project will reduce the temperature of the treated effluent by approximately 3 degrees Fahrenheit during winter months.
- **Supervisory Control and Data Acquisition System (SCADA):** Commerce Township proposes to replace the existing SCADA system that is 20 years old, obsolete, and difficult to maintain. The SCADA system will make the sewer system more reliable and reduce the risk and severity of future sanitary sewer overflows.

The Commerce Township Wastewater Treatment Plant also serves White Lake Township and the Village of Wolverine Lake (see attached map). The elected officials for these communities are being presented with similar resolutions for consideration.

Commerce Township is not asking the City of Novi to participate or be a party to the State Revolving Fund Loan and is only seeking a supporting resolution for these improvements.

**RECOMMENDED ACTION:** Approval of Resolution Supporting the Commerce Township Project Plan for Energy Cost Reduction and Sewer Overflow Risk Reduction in the Commerce Township Wastewater Treatment System.

	1	2	Y	N
Mayor Gatt				
Mayor Pro Tem Staudt				
Council Member Casey				
Council Member Fischer				

	1	2	Y	N
Council Member Margolis				
Council Member Mutch				
Council Member Wrobel				

CITY OF NOVI

COUNTY OF OAKLAND, MICHIGAN

**RESOLUTION SUPPORTING THE COMMERCE TOWNSHIP PROJECT PLAN  
FOR ENERGY COST REDUCTION AND SEWER OVERFLOW RISK REDUCTION IN  
THE COMMERCE TOWNSHIP WASTE WATER TREATMENT SYSTEM**

Minutes of a Meeting of the City Council of the City of Novi, County of Oakland, Michigan, held in the City Hall of said City on June 18, 2012 at 7 o'clock P.M. Prevailing Eastern Time.

PRESENT: Councilmembers \_\_\_\_\_

ABSENT: Councilmembers \_\_\_\_\_

The following preamble and Resolution were offered by Councilmember \_\_\_\_\_ and supported by Councilmember \_\_\_\_\_.

**WHEREAS** ; Citizens within the City of Novi are served by Commerce Township's Sewer System pursuant to agreement between the two communities; and

**WHEREAS** ; Commerce Township has prepared a Project Plan as a part of the required application process for requesting a low interest rate loan from the Michigan Department of Environmental Quality State Revolving Fund for certain improvements to its sanitary sewer system that will reduce the risk and severity of future sanitary sewer overflows, and to reduce energy costs; and

**WHEREAS** ; After publishing 30 days advance public notice in the Oakland Press, Commerce Township held a public hearing on June 7, 2012 seeking public input on the Project Plan; and

**WHEREAS** ; Commerce Township has provided the City of Novi with a copy of its Project Plan, including records from the Public Hearing; and

**WHEREAS** ; Commerce Township is submitting the Project Plan along with its application for a State Revolving Fund (SRF) loan; and

**WHEREAS** ; The Michigan Department of Environmental Quality requires that Commerce Township's application for an SRF loan be accompanied by a resolution demonstrating the support of governmental units whose citizens are served by Commerce Township's sanitary sewer system; and

**WHEREAS** ; By passing a Resolution of Support the City of Novi will not be a party to the State Revolving Fund Loan and will have no obligations in connection therewith;

**NOW THEREFORE, IT IS THEREFORE RESOLVED** that The City Council for the City of Novi, after reviewing the Commerce Township Project Plan, supports Commerce Township's efforts to improve its sanitary sewer system as detailed in its Project Plan to be filed in connection with its SRF loan application.

**AYES:**

**NAYS:**

RESOLUTION DECLARED ADOPTED.

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Maryanne Cornelius, City Clerk

**CERTIFICATION**

I hereby certify that the foregoing is a true and complete copy of a resolution adopted by the City Council of the City of Novi, County of Oakland, and State of Michigan, at a regular meeting held this 18<sup>th</sup> day of June 2012, and that public notice of said meeting was given pursuant to and in full compliance with Act No. 267, Public Acts of Michigan, 1976, and that the minutes of said meeting have been kept and made available to the public as required by said Act.

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Maryanne Cornelius, City Clerk  
City of Novi

# JOHNSON | ROSATI | SCHULTZ | JOPPICH

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Phone: 248.489.4100 / Fax: 248.489.1726  
www.johnsonrosati.com

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Thomas R. Schultz  
tschultz@jrsjlaw.com

June 11, 2012

Brian Coburn, Engineering Manager  
City of Novi  
45125 West Ten Mile Road  
Novi, MI 48375

RE: Commerce Township Sanitary Sewer Project Plan

Dear Mr. Coburn:

You forwarded a request from Commerce Township's engineer, Giffels-Webster, seeking approval by the City of Novi of a resolution supporting Commerce Township's application for a low interest loan from the State revolving fund for improvements to its sewer system.

The state runs a grant/loan program to assist with water quality, formally known as the "Water Pollution Control Revolving Fund," but more commonly referred to as the State Revolving Fund (SRF). The SRF is a source of funds on an annual basis for qualifying projects to improve water quality.

Although the material from Commerce Township is not extensive, it appears that they are at the beginning stages of an application process for a loan from the fund. They have prepared a Project Plan, which received a public hearing in Commerce on June 7, 2012. Although I was not able to find a *requirement* in any of the laws or administrative rules (it certainly could exist), Commerce has indicated that the MDEQ is requiring a resolution from the City of Novi in support of the project, because Commerce serves Novi with part of its sewer system.

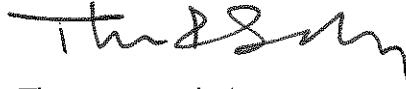
I have reviewed the resolution and I have no objections to it. As the resolution states, it does bind the City of Novi to any action or costs, and I see no legal impediment to approval.

Letter to B. Coburn  
June 11, 2012  
Page 2

If you have any questions, please do not hesitate to call.

Very truly yours,

JOHNSON, ROSATI, SCHULTZ & JOPPICH, P.C.

A handwritten signature in black ink, appearing to read "Thomas R. Schultz". The signature is fluid and cursive, with the first name "Thomas" being the most prominent.

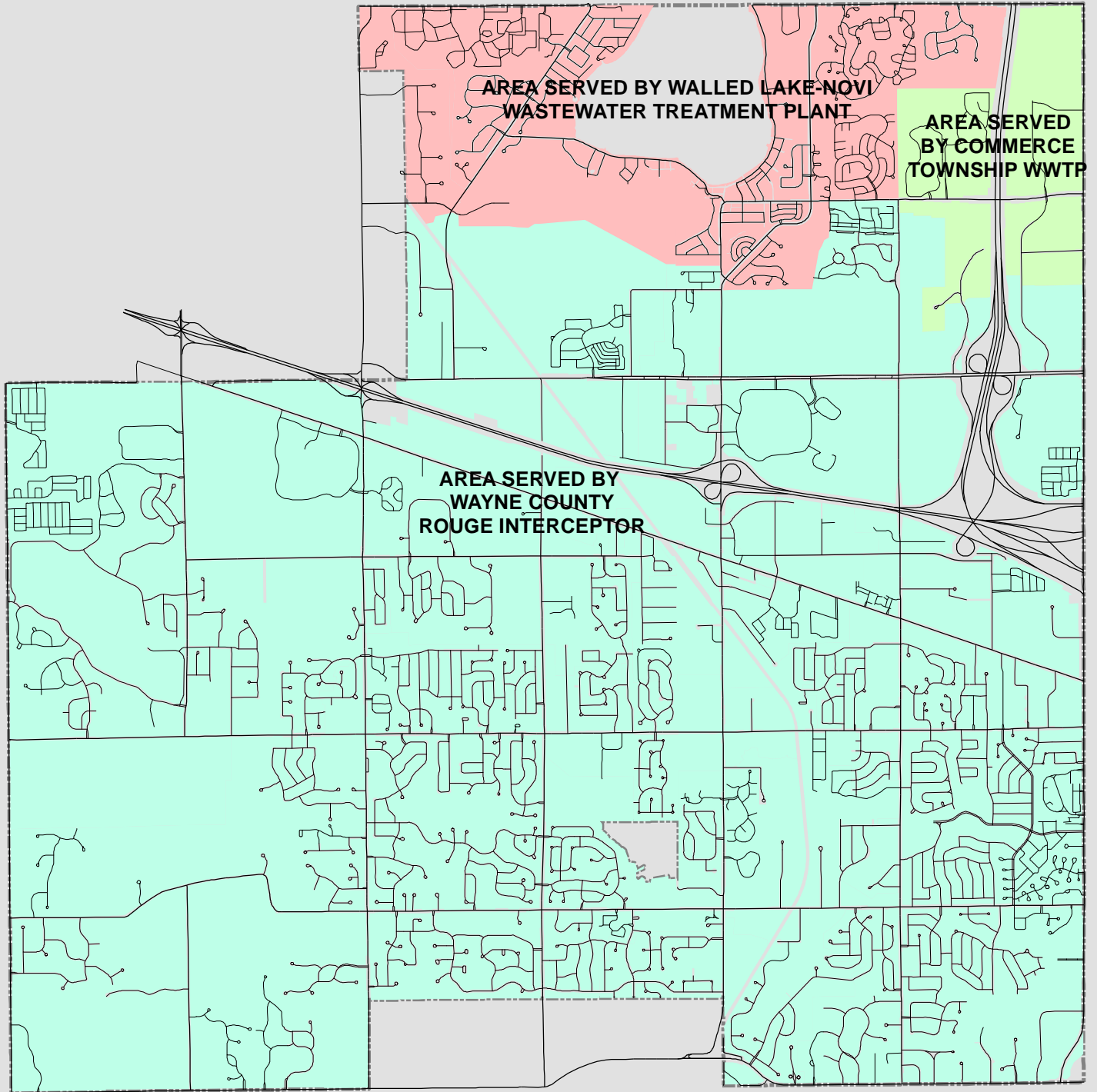
Thomas R. Schultz

TRS/jah

cc: Clay Pearson, City Manager  
Victor Cardenas, Assistant City Manger  
Maryanne Cornelius, City Clerk  
Rob Hayes, City Engineer

# Sanitary Sewer Service Districts

City of Novi



Map Author: Brian Coburn  
 Date: 6/6/12  
 Project:  
 Version #:  
 Amended By:  
 Date:  
 Department:

**MAP INTERPRETATION NOTICE**

Map information depicted is not intended to replace or substitute for any official or primary source. This map was intended to meet National Map Accuracy Standards and use the most recent, accurate sources available to the people of the City of Novi. Boundary measurements and area calculations are approximate and should not be construed as survey measurements performed by a licensed Michigan Surveyor as defined in Michigan Public Act 132 of 1970 as amended. Please contact the City GIS Manager to confirm source and accuracy information related to this map.



**Map Legend**

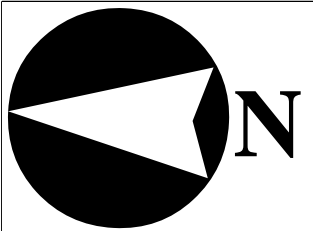
- Sanitary Districts**
- COMMERCE TOWNSHIP
  - HURON-ROUGE
  - WALLED LAKE
  - WALLED LAKE NOVI DIVERSION



**City of Novi**  
 Engineering Division  
 Department of Public Services  
 26300 Lee BeGole Drive  
 Novi, MI 48375  
 cityofnovi.org

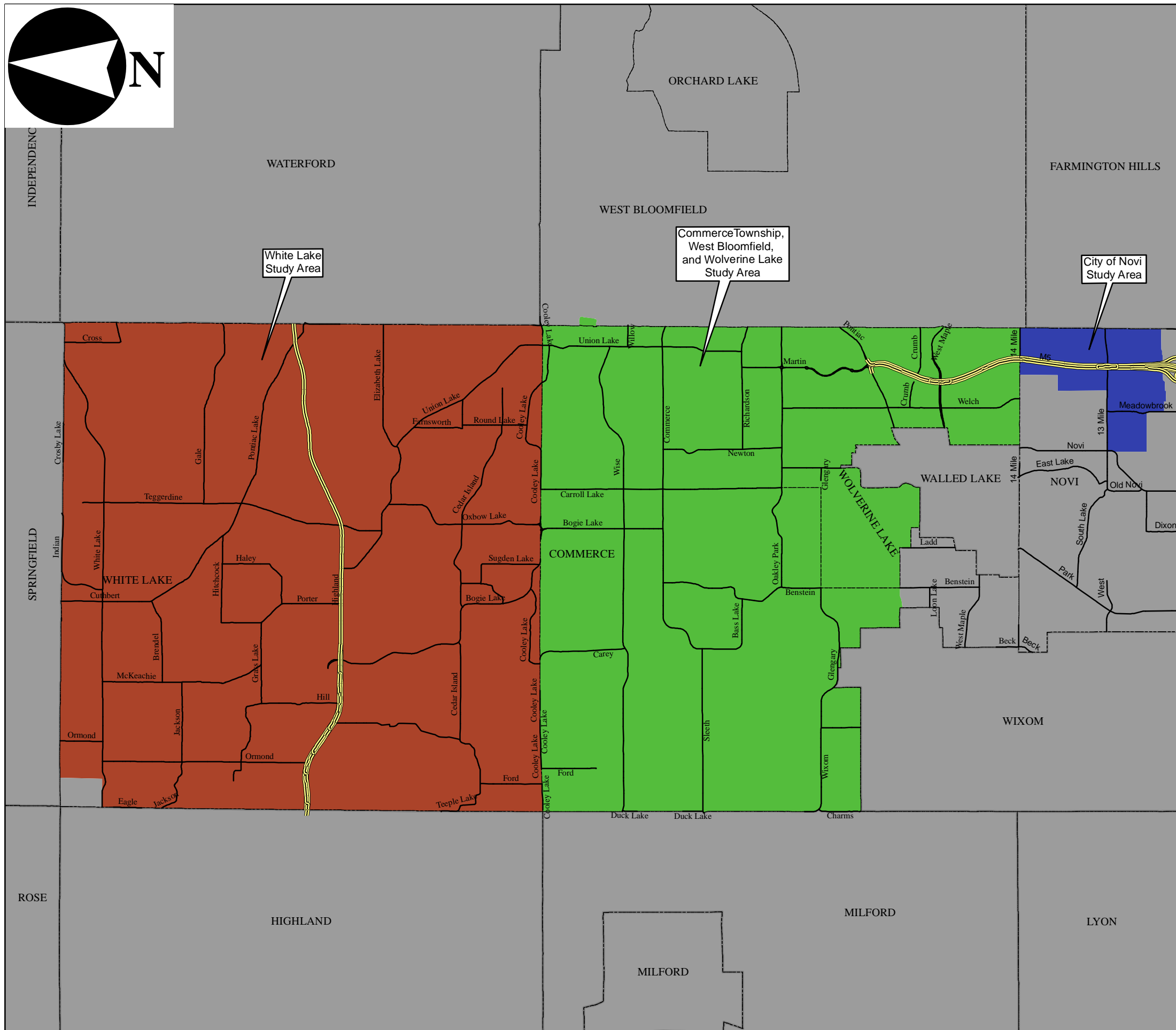


1 inch = 4,400 feet

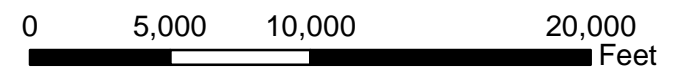


# EXHIBIT A-1

## STUDY AREA KEY MAP



- See Exhibit A-2
- See Exhibit A-3
- See Exhibit A-4
- Outside of Study Area



Date: 5/8/2012



# NOTICE OF PUBLIC HEARING

The Charter Township of Commerce will hold a public hearing regarding the proposed Project Plan for Energy Cost Reduction and Sewer Overflow Risk Reduction in the Commerce Township Sanitary Sewer System for the purpose of receiving comments from interested persons.

The hearing will be held at 7 p.m. on June 7, 2012, at the Commerce Township Hall, 2009 Township Drive, Commerce, MI 48390.

The purpose of the proposed project is: 1) to reduce the risk and severity of future sanitary sewer overflows; and 2) to reduce energy use in the sewer transportation and treatment system.

Project construction will involve:

- 1) **Newton Road Force Main:** Installation of 9,200 lineal feet of 19" inside diameter polyethylene pipe in easements along the west side of Newton Road from Oakley Park Road to the north property line of Multi Lakes Conservation Association, and in easements across Commerce Township Dodge Park No. 5, between Newton Road and South Commerce Road. An additional 2,300 lineal feet of 2" diameter pressure sewer will be placed along Newton Road.
- 2) **Treated Effluent Heat Recovery System at Commerce WWTP:** The proposed system will use heat in the treated effluent to heat the buildings at the WWTP.
- 3) **SCADA System:** Installation of Supervisory Control and Data Acquisition system to monitor and control 28 existing sewer pump stations.

Impacts of proposed project primarily include temporary construction related impacts along Newton Road and in Dodge Park No. 5.

The estimated cost to users of the proposed project is estimated to be \$2.00/month

Copies of the plan detailing the proposed projects are available for inspection at the following locations:

- Commerce Township Hall, 2009 Township Drive, Commerce, MI 48390
- Commerce Township Library, 2869 North Pontiac Trail, Commerce, MI 48390
- Commerce Township website: [www.commercetwp.com](http://www.commercetwp.com)

Copies of the plan detailing the proposed projects may also be available for inspection at the following locations:

- West Bloomfield Township Hall, library, and website
- White Lake Township Hall, library, and website
- Wolverine Lake Village Offices and website
- Novi City Hall Clerk's Office, library, and website

Written comments received before the hearing record is closed on June 7, 2012 will receive responses in the final project plan. Written comments should be sent to Commerce Township Clerk, 2009 Township Drive, Commerce, MI 48390. Questions/comments can also be addressed by calling the Clerk at the Commerce Township offices at 248-624-0110.