



February 25, 2020

Council Meeting of March 3, 2020

Subject: 396 Lakeshore Blvd. Lift Station

Emergency By-pass Pumping Payment Authorization

The Honorable Mayor
and
Members of the City Council

Ladies and Gentlemen:

On December 31, 2019, the 396 Lakeshore Blvd. lift station was experiencing a high volume of ground water infiltration, preventing the pumps from being able to maintain appropriate wet well levels.

Mersino Dewatering of Grand Rapids, MI was hired to set-up a by-pass pumping system at 396 Lakeshore Blvd. lift station, which included set-up, takedown, and equipment rental. In accordance with our purchasing ordinance, the City Council is requested to authorize the emergency services at a total cost of \$33,467.45; funds are available in the Sewer Fund.

Adoption of the attached resolution will authorize payment to Mersino Dewatering of Grand Rapids, MI.

Respectfully submitted,

Mark C. Meyers
City Administrator

GAB/sr
Attachments

RESOLUTION

NOW, THEREFORE, BE IT RESOLVED that payment to Mersino Dewatering of Grand Rapids, MI for emergency services, to set-up a bypass pumping system at the lift station located at 396 Lakeshore Blvd. is authorized in the amount of \$33,467.45.

At a regular meeting of the City Council of the City of Norton Shores, held at the Norton Shores Branch Library, 705 Seminole Road, on the 3rd day of March, 2020, the foregoing resolution was moved for adoption by Council Member. The motion was supported by Council Member.

Ayes:

Nays:

Resolution declared adopted/denied.

Shelly Stibitz, City Clerk



Internal Memo

To: Jerry Bartoszek – Public Works Director

From: Matt Anderson – Water & Sewer Superintendent *MA*

Date: February 17, 2020

Re: Lakeshore Lift Station – Emergency By-pass Pumping Payment Authorization

As you are aware, back on December 31, 2019 the above mention lift station was experiencing a high volume of ground water infiltration causing the current sanitary pumps to be unable to maintain the appropriate wet well levels. On January 2, 2020 I wrote a memo to the City Administrator, as well as yourself, explaining the temporary service setup for by-pass pumping. In that memo, which I have attached, it was estimated to cost the City about \$25,000 which was quoted by Mersino Dewatering.

The City received an invoice in the amount of \$33,467.45 for the setup, takedown, and equipment rental. The difference in cost was determined by the charge of the double-time rate for New Year's Day and the road crossing ramp at Hoyt Street. While this cost is higher than the original estimate I have been able to negotiate a reduction of \$4,035 from the original invoice. I am seeking authorization from Council to pay this invoice from the Sewer Fund. Attached is a copy of the invoice for your reference.

If you have any questions, please contact me.



Internal Memo

Date: January 2, 2020

To: Mark Meyers – City Administrator

CC: Jerry Bartoszek – DPW Director

From: Matt Anderson – Water & Sewer Superintendent *MA*

Subject: Lakeshore Lift Station – Emergency By-pass Pumping

On Tuesday, December 31, 2019 the on-call Supervisor received an alert that the 396 Lakeshore lift station was in “high-water” alarm. When the crew got on-site, they noticed the lift station pumps were not keeping up with the flow coming into the wet well. The crew took the Vector to pump down the wet well in order to assess the problem. The crew found that the incoming flow is greater than the gallons-per-minute (GPM) the pumps were designed for.

Throughout the year, I track the kilowatt hours used for all forty-four (44) lift stations. We have noticed over the past 6 months that this lift station has had increased electrical hours as well as pumping hours. This station is seeing an increase of flow entering the wet well.

One reason for this flow is the number of homes within the collection area having their sump pumps plumbed into the sanitary sewer. Per residential plumbing code R405.2.3 – Drainage System, this is an unapproved connection. These homes will need to have their sump pumps re-plumbed to discharge onto their property while following the provisions of Section 48-855 of the City’s Code of Ordinances. These homes will be notified of the unapproved connection and will be given a reasonable amount of time to have all changes made and approved per Code. The City pays Muskegon County to treat our sanitary sewer, with the excess amount of storm water being pumped to the County’s system, the City is therefore paying to treat this water without properly charging for it.

Currently, the City hired Mersino Dewatering, out of Grand Rapids, to setup by-pass pumping. They have a double pump setup at the station with a temporary force-main running through Mona Lake Park and discharging into the manhole just west of the intersection of 2nd St. and Hoyt St. This mainline sewer then gravity flows to the north side of Seaway Dr. and then through the County’s master meter. It is estimated that the City will pay about \$25,000 for the first month and \$5,200 per week thereafter until this issue is resolved.

If you have any questions, please contact me.

Invoice

MERSINO DEWATERING, INC.
 600 W. DRYDEN ROAD
 METAMORA, MI 48455
 (810) 658-3472

Date	Invoice #
1/31/2020	72222

Bill To
City of Norton Shores 4814 Henry St Norton Shores, MI 49441

Ship To
3698 Green St. Norton Shores, MI

Project	Terms	Due Date	P.O. No.
36951 - 8" Emergency Sewer Bypass	Net 30 days	3/1/2020	

Description	Start Date	End Date	MDI Fleet#	Qty	Rate	Amount
8" Emergency Sewer Bypass						
Tuesday, December 31, 2019 - Wednesday, January 1, 2020						
Labor, hourly straight-time				38.43	95.00	3,650.85
Labor, hourly double-time				17.77	135.00	2,398.95
Technician truck - daily charge (T136 & T138)				2	175.00	350.00
Mileage (T136 & T138)				652	0.95	619.40
Tractor Trailer - daily charge (R088)				1	500.00	500.00
Mileage (R088)				326	1.85	603.10
Supervisor, hourly straight-time				3	132.00	396.00
Service truck - daily charge (T204)				1	175.00	175.00
Mileage (T204)				64	0.95	60.80
Wednesday, January 1, 2020						
Supervisor, hourly double-time				2	198.00	396.00
Service truck - daily charge (T204)				1	175.00	175.00
Mileage (T204)				64	0.95	60.80
Friday, January 3, 20120						
Labor, hourly straight-time				8	95.00	760.00
Labor, hourly overtime				1.35	115.00	155.25

Thank you for your business. Final invoice REMIT TO: MERSINO DEWATERING, INC. P.O. BOX 105951 ATLANTA, GA 30348-5951	Total
	Payments/Credits
	Balance Due

Invoice

MERSINO DEWATERING, INC.
600 W. DRYDEN ROAD
METAMORA, MI 48455
(810) 658-3472

Date	Invoice #
1/31/2020	72222

Bill To
City of Norton Shores 4814 Henry St Norton Shores, MI 49441

Ship To
3698 Green St. Norton Shores, MI

Project	Terms	Due Date	P.O. No.
36951 - 8" Emergency Sewer Bypass	Net 30 days	3/1/2020	

Description	Start Date	End Date	MDI Fleet#	Qty	Rate	Amount
Tractor Trailer - daily charge (R088)				1	500.00	500.00
Mileage (R088)				326	1.85	603.10
Supervisor, hourly straight-time				4	132.00	528.00
Service truck - daily charge (T204)				1	175.00	175.00
Mileage (T204)				64	0.95	60.80
Emergency Bypass equipment - one month rental	1/1/2020	1/28/20		1	19,065.00	19,065.00
Tear-down, Wednesday January 29, 2020						
Labor, hourly straight-time				32	95.00	3,040.00
Labor, hourly overtime				10.06	115.00	1,156.90
Technician truck - daily charge (T136 & T138)				2	175.00	350.00
Mileage (T136 & T138)				652	0.95	619.40
Tractor Trailer - daily charge (R088)				1	500.00	500.00
Mileage (R088)				326	1.85	603.10

Thank you for your business. Final invoice REMIT TO: MERSINO DEWATERING, INC. P.O. BOX 105951 ATLANTA, GA 30348-5951	Total	USD 37,502.45
	Payments/Credits	USD -4,035.00
	Balance Due	USD 33,467.45