



# CITY OF MANITOWOC

WISCONSIN, USA

[www.manitowoc.org](http://www.manitowoc.org)

Date: August 27, 2021

To: Public Infrastructure Committee

From: Greg Minikel, P.E., Engineering Division Manager

Re: Flooding Issues at North 5<sup>th</sup> and Pine St. (Item #21-0799)

The property owner, Ashley Hunt, at 955 N. 5<sup>th</sup> St. continues to have flooding at her property.

The rain event on July 14<sup>th</sup> and July 15<sup>th</sup> caused flooding as well as the storms on August 24<sup>th</sup>.

Ashley Hunt is very frustrated and upset that she has had flooding numerous times since she moved into the house about 2 years ago. She has stated that the City should just buy her property.

In May of 2021, the City (DeGroot Construction) installed several new inlets at the intersection of Pine St. and Lincoln Blvd. and a new 15 inch storm sewer pipe on Lincoln Blvd. from Pine to Waldo Blvd. at a cost of approximately \$90,000. This has certainly helped the situation, but unfortunately it has not completely solved the problems.

As a reminder, the storm sewer discharge for this area goes into the Little Manitowoc River backwater just east of River Court. The discharge pipe is still mostly underwater due to the high water levels in Lake Michigan. This situation exacerbates the problem.

We have come up with 4 additional options to help the situation and are as follows:

Option #1:

Install approximately 60 feet of new 15 inch storm sewer pipe from the southwest corner of Lincoln and Pine St. and discharge it into the brand new storm manhole located in the island that was just installed in May 2021. Option #1 has an estimated cost of \$35,000.

Option #2:

Install 2 new larger 2 ft. by 3 ft. inlets on the north end of the first two islands south of Pine St. There are existing 2 x 2 inlets at these locations, but they plug up with debris very easily. We would also plan to install approximately 25 ft. of 12-inch inlet leads from the inlet to the mainline storm sewer pipe. We believe that the existing leads are smaller than our current 12-inch standard. Option #2 has an estimated cost of \$32,000.

Dir. of Public Infrastructure Daniel J. Koski  
CITY HALL • 900 Quay Street • Manitowoc, WI 54220-4543  
Phone (920) 686-6910 • Fax (920) 686-6906

Option #3:

Install 6 new inlets (2x3's) on the northwest, southwest and southeast corners of Pine St. and North 6<sup>th</sup> St. We will also need to install 2-3 new manholes in this intersection as well. In addition, we could install a new 15-inch storm sewer on North 6<sup>th</sup> St. from Pine St. to Waldo Blvd. However, this will require cutting back into the new pavement on Waldo Blvd. and will also require the replacement of the concrete pavement on the west side of North 6<sup>th</sup> St. Option #3 has an estimated cost of \$200,000. Besides the cost of this option, the other downside is that we would be continuing to add stormwater to the Waldo Blvd. storm sewer system that was not part of the design calculations

Option #4:

This option would be the similar to Option #3, but we would not install the new storm sewer on N. 6<sup>th</sup> St. from Pine to Waldo Blvd. We would just install new larger inlets and pipe the water into the existing 18" storm sewer on Pine St. Option #4 has an estimated cost of \$65,000.

We do not really have a specific recommendation for the Committee. If the Committee would like to pursue one or more of these options, then they will have recommend referral to the Capital Allocation Work Group (CAWG) and Finance Committee to request them to find a way to fund the project.