

## Report to Council of Non-Bid Public Works Construction Project Completed Using City Staff

**Project:** Everglade Drive Storm Sewer Extension

**Date:** 6/18/2020

**Agency:** Engineering

**Final Cost:** \$65,554.58

### Background

St Thomas Aquinas Parish was notified to repair a private storm structure that had failed, causing the curb on Everglade Dr to crack and sink. As part of the orders, Engineering required the structure be rebuilt and then Engineering would extend a storm pipe from Old Sauk Rd to connect to the structure. The structure is now a public structure with a private storm connection.

This report is intended to inform the Mayor and Common Council and to satisfy the requirements of Wisconsin Statute 62.15(14).

### Scope of Work

The work included saw-cutting the existing street, installing 345-feet of 12" storm sewer pipe, two (2) structure taps to connect storm pipe, installing one (1) 3'x3' storm sewer access structure, two (2) H-inlets, and patching the road. Additional work included survey, design, and mobilization.

### Recycling and Waste Disposal

Removed asphalt was disposed at a milling site.

### Cost Detail

Final project cost was \$65,554.58 for the permanent installation of 345 linear feet of pipe and one (1) storm structure (converted from private to public). Line items costs are provided below.

ITEM	COST
<b>Wages and Benefits</b>	\$ 40,999.80
<b>Equipment</b>	\$ 17,041.57
<b>Materials and Supplies</b>	\$ 7,513.21
<b>Other:</b>	
<b>TOTAL</b>	<b>\$ 65,554.58</b>

### Conclusion

The average cost of installing 12" pipe has averaged \$99 per linear foot, inlet installation averaged \$3351 per structure, 3'x3' SAS installation averaged \$4200 per structure, structure taps averaged \$1248 per tap, and trench patching averaged \$65 per trench foot for contracted public construction over the years 2017-2019. Based on these estimates, the contract price would have been \$69,978 and the actual cost was \$65,554.58. City Engineering was able to complete the project while keeping costs under average contract price. Engineering costs were slightly higher than expected due to delays in the construction schedule for utility conflicts (additional mobilization time/costs).