

# ITCO ALLIED ENGINEERING CO.

AN ALLIANCE OF INSTANT TESTING COMPANY AND ALLIED TEST DRILLING

*Jobsite and Laboratory Testing, Geotechnical Services*

*Commercial, Residential and Municipal*

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October 5, 2021

Mr. Ron Olson  
Olson Construction Co.  
6970 Inwood Road  
Cologne, MN 55322

Re: Supplemental Report 2  
Joyce Road & 159<sup>th</sup> Street  
ATD Project No. 21031

The purpose of this Supplemental Report 2 is as a follow-up to the report that Gary Standish prepared regarding ten test pits that were dug in the two roads and which is included with this report. Essentially, the test pit report does not cause any changes to any of the recommendations included in our previous Supplemental Report. However, test pit 2 has a layer of organic soil located below 24 inches. Test pit 10 has a layer of organic soil below 19 inches. These organic layers should be excavated out and replaced with suitable granular fill material that would be placed, compacted and tested following our guidelines for fill placement included in the original report.

In our original report we stated that there was organic soil in borings B-3 and B-4 and that these layers should be excavated out and replaced. The organic layer in boring B-3, however, only had an organic content of 2% and this would not require removal unless we were dealing with topsoil at the surface of a new road. Boring B-4 had an organic content of 4.1% and this material should be removed and replaced as described in our original report. Test pit 9 was located between boring B-4 and test pit 10 and it did not have an organic layer. So the organic layer doesn't extend along the entire length of Joyce Road that will be upgraded. So the organic material should be traced and removed at the 3 locations where it was found.

The recommendations contained in this report are professional opinions. These opinions were arrived at in accordance with generally accepted engineering practices currently in use at this time, location and for projects of this type. Other than this, no warranty is implied or intended. Soil samples recovered from the test borings will be retained in our offices for a period of thirty days from the date of this report. After that time they will be discarded unless prior written instructions to the contrary are received.

I hereby certify that this report and/or specification has been prepared by me or under my direct supervision and that I am a duly registered Professional Engineer under the laws of the State of Minnesota. If you have any further questions or we can be of any further assistance, please do not hesitate to phone or write.

ITCO ALLIED ENGINEERING COMPANY

A handwritten signature in cursive script that reads "Robert Sullentrop".

Robert Sullentrop, P.E.

Minnesota Registration No. 17823