

ITCO ALLIED ENGINEERING CO.

AN ALLIANCE OF INSTANT TESTING COMPANY AND ALLIED TEST DRILLING
Jobsite and Laboratory Testing, Geotechnical Services, Commercial, Residential and Municipal
4029 West 125th Street - Savage, MN 55378

Telephone: (952) 890-7366

Fax: (952) 890-5883

September 24, 2021

Ron Olson Construction
6970 Inwood Road
Cologne, Minnesota 55322

Cell: 612-369-4240

Re: Joyce Road & 159th Street
San Francisco Township, Carver County, Minnesota

As requested, a site visit was made on September 23, 2021, at 10:04 A.M. to provide additional soil sampling for a roadway design project. Documentation provided for the work included a boring report (#21031) and a supplemental letter by ITCO Allied Engineering Company, dated June 31, 2021 and August 26, 2021 respectively.

The soils investigation was conducted within a series of test pit excavations completed with a small backhoe, along 159th Street (#1 thru #8),, and on Joyce Road (#9 & #10). The test locations were referenced off of previously conducted soil borings and geographic features, with bag samples collected for analysis.

Test Pit #1 - (3¾') – 159th St. Near Boring #1 - Right Shoulder.

Class 5 (crushed limestone)
Loamy Sand – 2'
Slightly Silty Lean Clay (Base)

Test Pit #2 - (3½') – 159th St. – Left Shoulder

Class 5 (crushed limestone) – 4"
Loamy Sand with Gravel - 14"
Slightly Plastic Loamy Sand W/Gravel – 24"
Dark "Horizon B" (Base)

Test Pit #3 - (4') – 159th St. - Right Shoulder (10 feet East of Driveway)

Class 5 (crushed limestone) – 5"
Gravelly Sand – 20"
Slightly Plastic loamy Sand W/Gravel – 24"
Loamy Sand – (Base)

Test Pit #4 - (4') – 159th St. - Near Boring #2"

Class 5 (crushed limestone) – 3-4"
Loamy Sand W/Gravel - 9"
Loamy Sand - 18"
Sandy Clay - (Base)

Test Pit #5 - (4') – 159th St. – Left Shoulder -24' East of Residence Mail Box #7510

Class 5 (crushed limestone) – NR
Granular
Clay – (Base)

Test Pit #6 - (4') - 159th St. - Right Shoulder - 120' East of Phone Pedestal Box)

Class 5 (crushed limestone) - 4-5"
Loamy Sand W/Gravel - 20"
Sandy Clay - (Base)

Test Pit #7 - (NR) - 159th St. - Left Shoulder - 6' East of PP #30

Class 5 (crushed limestone) - 4"
Sandy Loam
Slightly Plastic Sandy Loam - (Base)

Test Pit #8 - (3½') - 159th St. - Right Shoulder Intersection (Ref: "Dead End Signage")

Class 5 (crushed limestone) - 5"
Loamy Sand & Gravel - 12"
Silty Clay - (Base)

Test Pit #9 - (4') - Joyce Rd. - Left Shoulder - (102' North of Intersection)

Class 5 (crushed limestone) - 4"
Loamy Sand W/Gravel - 10"
Loamy Sand - 8"
Clay Loam - 10"

Test Pit #10 - (4') - Joyce Rd. - Left Shoulder (Across St. From Buried Cable Marker)

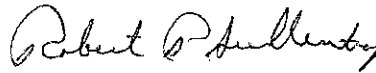
Class 5 (crushed limestone) - 4-5"
Granular Mix - 5"
Sandy Loam - 9"
Dark Organic "Horizon B" - 19"

Sincerely,
ITCO Allied Engineering Company

Reviewed By:

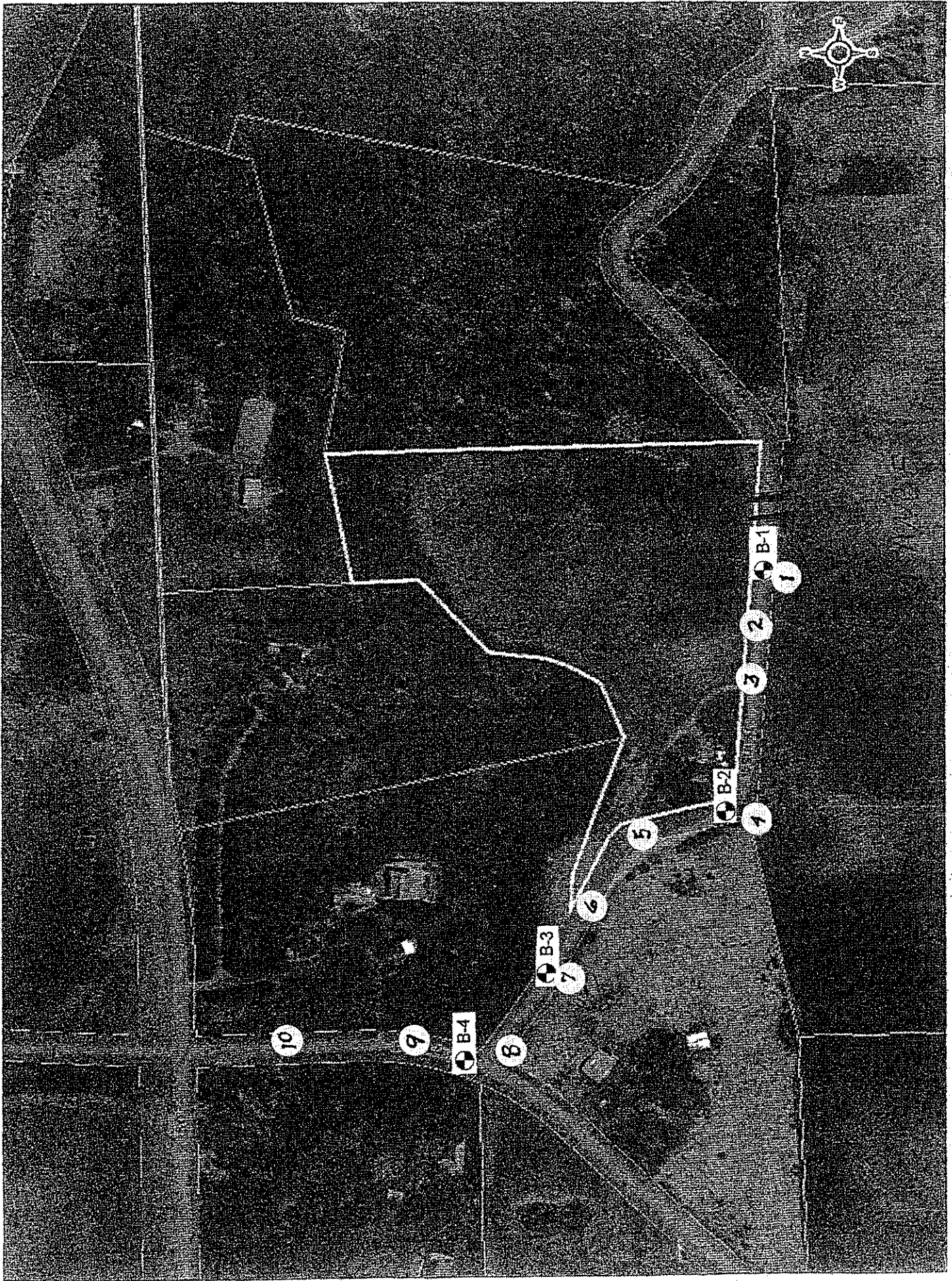


Gary Standish
Senior Inspector



Robert P. Sullentrop, P.E.
Minnesota Reg. # 17823

701 - 0 / #605 - 3 / #614 - 1½ / #610 - ¼ / #304 - (0) DCP / #612 - 143 (2 Trips)



This map was created using Carver County's Geographic Information Systems (GIS), it is a compilation of information and data from various City, County, State, and Federal offices. This map is not a surveyed or legally recorded map and is intended to be used as a reference. Carver County is not responsible for any inaccuracies contained herein.

○ Test Plots