



RE: GLADSTONE CROSSING TREE SURVEY, MAPLEWOOD, MINNESOTA

Beacon Interfaith Housing Collaborative:

ISG completed a Level 2 Tree Assessment and Inventory on May 19, 2023. The survey area consisted of 1375 Frost Avenue (parcel IDs 152922230023 and 152922230087), totaling approximately 1 acre of land, in the city of Maplewood, MN (refer to attached Figure 1 – Project Location Map). At the time of assessment, the survey area was composed of two vacant lots consisting of an empty building, parking lot, and manicured lawn.

METHODOLOGY

This tree inventory and assessment was conducted to the standards of ANSI A300 Part 9: Tree, Shrub, and Other Woody Plant Management - Standard Practices (Tree Risk Assessment a. Tree Structure Assessment), International Society of Arboriculture (ISA) Tree Risk Assessment Best Management Practices for a Level 2 Risk Assessment and ISA Tree Inventories Best Management Practices.

Each significant tree was inventoried within the survey boundary and identified to species level, documented with a sub-meter GPS unit, diameter at breast height (DBH) was measured, and a general visual condition assessment was noted for structure and health. Significant trees, per the Maplewood city code (Sec 18-245), were defined as “a healthy tree measuring a minimum of six inches in diameter for hardwood deciduous trees, eight inches in diameter for conifer trees, 12 inches in diameter for softwood deciduous trees, and specimen tree. *Specimen* tree means a tree of any species that is 28 inches in diameter or greater, except invasive species. Specimen trees must have a life expectancy of greater than ten years, have a relatively sound and solid trunk with no extensive decay or hollow, and have no major insects, pathological problem, or defects.” Trees inventoried were recorded by GPS location and tagged with a numbered aluminum tag.

Level 2 tree assessments are limited to a visual examination from the ground, noting only obvious exterior visual defects such as dead tree limbs, large cavities, trunk cracks and severe leans. The amount of information provided on the condition of the canopy and internal and below ground components of the trees were not assessed, therefore internal defects may be largely undetected. No physical inquiry or manipulation was conducted on the tree to determine extent of defects, including sounding, probing and/or shoveling.

All Level 2 Assessments include the following numerical rating and definition used during the assessment.

Structural Condition

- 1 = excellent, no apparent problems
- 2 = good, no instabilities, minor problems
- 3 = fair, potential instabilities, major problems
- 4 = poor, extreme problems

Health Condition

- 1 = excellent, no apparent problems
- 2 = good, minor problems
- 3 = fair, major problems
- 4 = poor, extreme problems

TREE INVENTORY SUMMARY

A total of 30 significant trees were inventoried and tagged within the project boundary. Tree locations are shown on the attached tree survey maps.

Detailed assessments of each tree's structural and health conditions were reported based on visual inspections from the ground and were given a rating of 1, 2, 3, or 4 (as defined in the methodology section). Refer to the attached Table 1. Tree Inventory Summary for detailed results.

Please feel free to contact me at 507.789.2034 or Kaitlyn.OConnor@ISGInc.com if you have any questions, concerns, or require additional information.

I hereby certify the above-described Level 2 Tree Assessment and Inventory was performed on **Error! Reference source not found.** This tree assessment and inventory meets standards and criteria specified in the ANSI A300.

Sincerely,



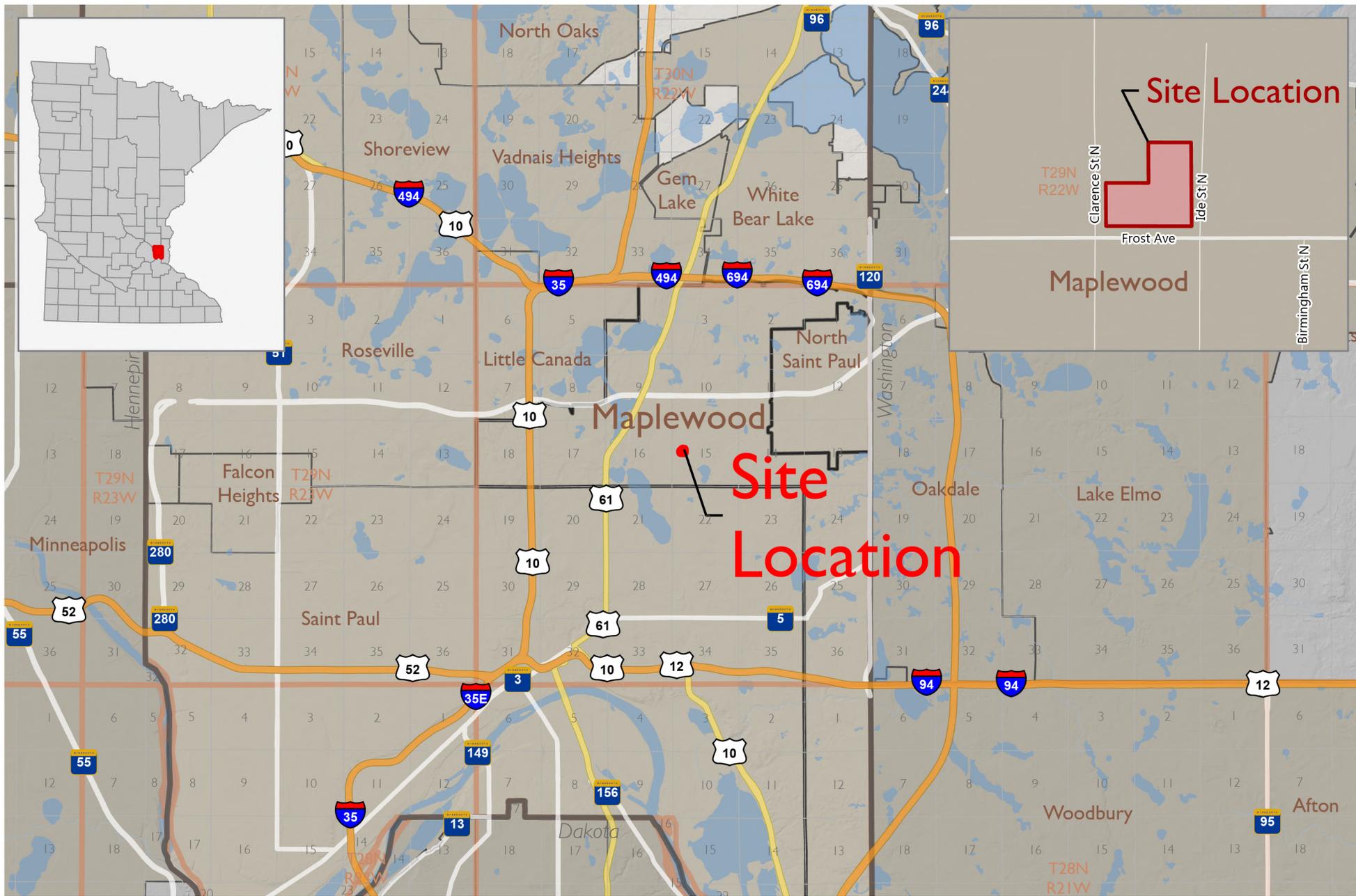
Kaitlyn O'Connor

Plant Ecologist

Certified Ecological Restoration Practitioner #0664

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Enclosures



Monday, May 22, 2023

Project Number: 23-29050

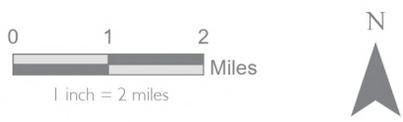
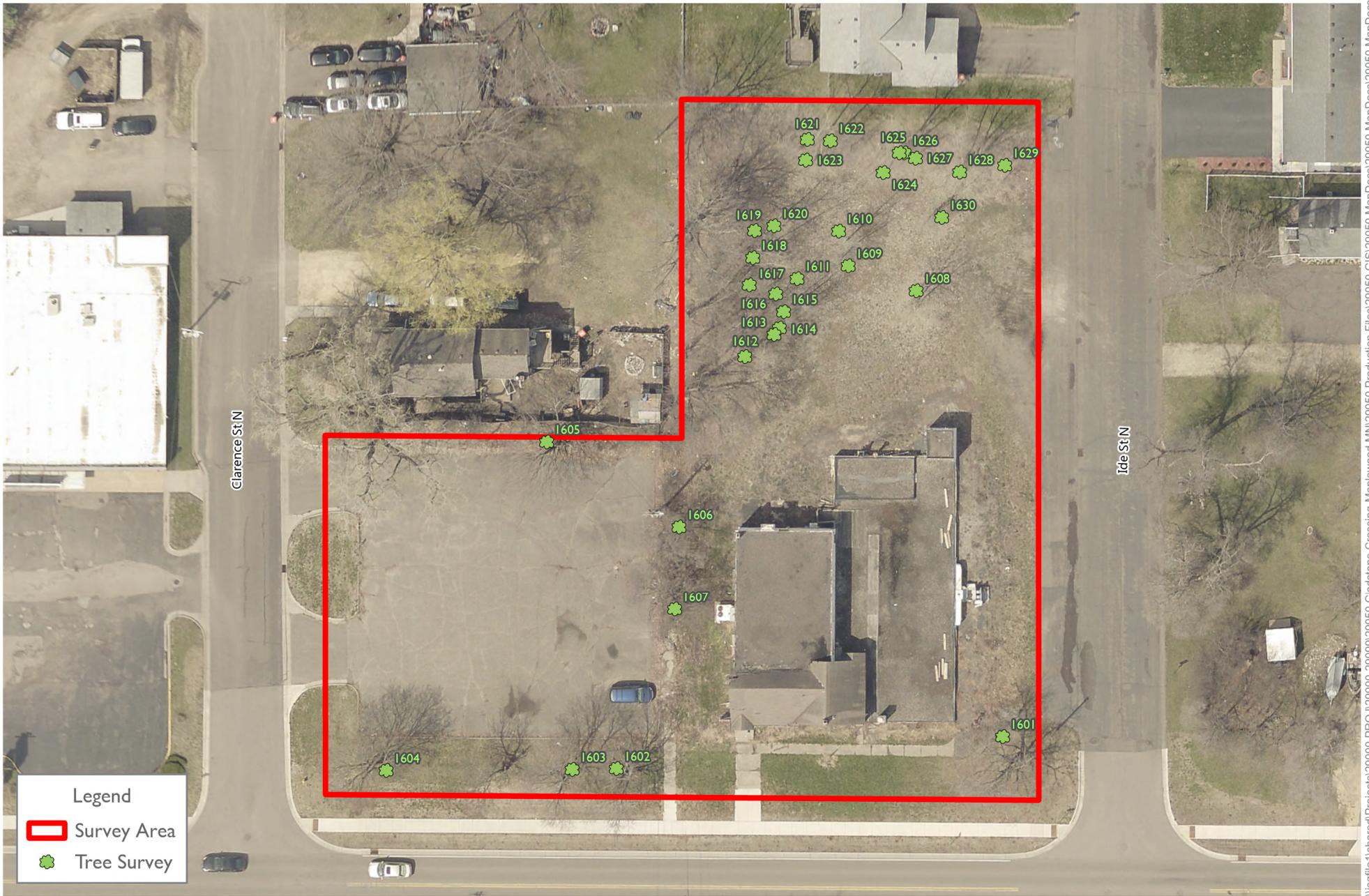


Figure 1
 Site Location Map
 Gladstone Crossing
 Maplewood, Ramsey County, Minnesota

Source(s):
 Municipalities (MnDOT, 2016)
 Roads (MnDOT, 2020)
 Lakes (MN DNR, 2020)
 Counties (MN DNR, 2013)
 PLSS (USGS)



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Figure 2
Tree Survey Map
Gladstone Crossing
 Maplewood, Ramsey County, Minnesota

Source(s):
 Orthophoto (Ramsey County, 2022)
 Tree Survey (ISG, 2023)



Table 1. Tree Inventory Summary

Tree Tag Number	Tree Species	DBH (Inches)	Structural Condition	Health Condition
1601	Maple, Norway	27	2-Good	2-Good
1602	Maple, Norway	19.5	4-Poor	4-Poor
1603	Maple, Norway	18	2-Good	2-Good
1604	Maple, Norway	21	3-Fair	2-Good
1605	Maple, Norway	26.5	4-Poor	3-Fair
1606	Maple, Amur	11	2-Good	2-Good
1607	Maple, Amur	17	4-Poor	3-Fair
1608	Cottonwood, Eastern	6	2-Good	2-Good
1609	Cottonwood, Eastern	8	2-Good	2-Good
1610	Cottonwood, Eastern	8	3-Fair	2-Good
1611	Cottonwood, Eastern	6.5	2-Good	2-Good
1612	Cottonwood, Eastern	11	2-Good	2-Good
1613	Cottonwood, Eastern	4	2-Good	2-Good
1614	Cottonwood, Eastern	6	2-Good	2-Good
1615	Cottonwood, Eastern	4	2-Good	2-Good
1616	Cottonwood, Eastern	5.5	2-Good	2-Good
1617	Cottonwood, Eastern	6.5	2-Good	2-Good
1618	Cottonwood, Eastern	8	3-Fair	2-Good
1619	Cottonwood, Eastern	9.5	2-Good	2-Good
1620	Cottonwood, Eastern	8	2-Good	2-Good
1621	Cottonwood, Eastern	7.5	2-Good	2-Good
1622	Cottonwood, Eastern	12	2-Good	2-Good
1623	Cottonwood, Eastern	15	2-Good	2-Good
1624	Cottonwood, Eastern	5.5	2-Good	2-Good
1625	Cottonwood, Eastern	11	2-Good	2-Good
1626	Cottonwood, Eastern	13.5	4-Poor	3-Fair
1627	Cottonwood, Eastern	7	2-Good	2-Good
1628	Cottonwood, Eastern	20	3-Fair	2-Good
1629	Cottonwood, Eastern	11.5	2-Good	2-Good
1630	Cottonwood, Eastern	7	2-Good	2-Good