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January 16, 2020

Neumann Developments, Inc.
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Suite 100
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RE: Campus Drive Property Tree Survey (Heartland Project #20190274)

Heartland Ecological Group ("Heartland") performed a survey of trees present on the Campus Drive property on January 2, 3, and 6, 2020. The Campus Drive property is a 53-acre parcel located east of Campus Drive and north of State Highway 16, in section 34, township 8 north, range 18 east, Village of Hartland, Waukesha County, Wisconsin. The survey is required to be included with the engineering plans for a residential subdivision by Neumann Development and submitted to the Village of Hartland per Sec. 90-75 (a)(1) for a tree protection and building permit.

The tree survey was conducted by Eric Parker and Scott Fuchs of Heartland. A 31.25-acre portion of the property to be developed was transected, and each live tree encountered with a diameter at breast height ("DBH") of at least 6 inches was identified to the species level, its DBH measured, and its location recorded with a handheld Trimble GPS unit with sub-meter accuracy (see Tree Survey Map). A total of 2,256 stems with an average DBH of 10.5 inches were recorded (see Tree Summary Table). The locations of the recorded trees were then superimposed on aerial imagery of the Campus Drive property and presented in a map figure (see Tree Survey Map).

The remainder of the property, 22.07 acres outside of the area to be developed, was walked and estimates of the number of each tree species present and their respective DBH's were made based on observations in each area or "clump". These estimates are presented on the Tree Estimates (Clumps) Map.

Most ash (*Fraxinus spp.*) trees encountered during the tree survey field work were visibly affected by emerald ash borer and were either dead or dying. As such, only healthy ash trees were recorded during the survey effort.

Enclosures:

Project Location Map
Tree Survey Map
Tree Estimates (Clumps) Map
Tree Summary Table
Tree Inventory Table

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