Midwest Trees, LLC
120 Sir Lawrence Drive
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Glendale Tree Preservation Plan

Laura Detmer
286 Parkland Avenue
Kirkwood, Missouri 63122

Ms. Detmer,

Enclosed are the tree inventory data and corresponding Tree Inventory Map prepared for the proposed residential addition to your property in Glendale, Missouri. The tree numbers shown in the data table correspond with the numbered tree locations depicted on the map.

The provided demolition plan was used as the base for mapping the existing trees. The proposed construction plan was reviewed and used as a guide in evaluating anticipated construction impacts and determining tree removal and protection recommendations.

The enclosed information was prepared in response to Item 8 of the City of Glendale Architectural Review Board application requirements pertaining to tree preservation. This item requires a graphic depiction of the Tree Protection Zone (TPZ), Critical Root Zone (CRZ), and Structural Root Zone (SRZ), as applicable.

Tree Protection Zones are depicted on the inventory map for trees where protection measures are recommended. These zones are shown graphically for reference and are not drawn to scale; the corresponding tree inventory data provide the applicable protection distances and recommendations. For this project, the recommended Tree Protection Zone is equivalent to the Critical Root Zone; therefore, the TPZ and CRZ represent the same area. A separate Structural Root Zone is not applicable to the proposed work based on the anticipated construction impacts and the tree protection recommendations provided.

The enclosed inventory and map are intended to be used together as the Tree Preservation Plan information for the proposed project.

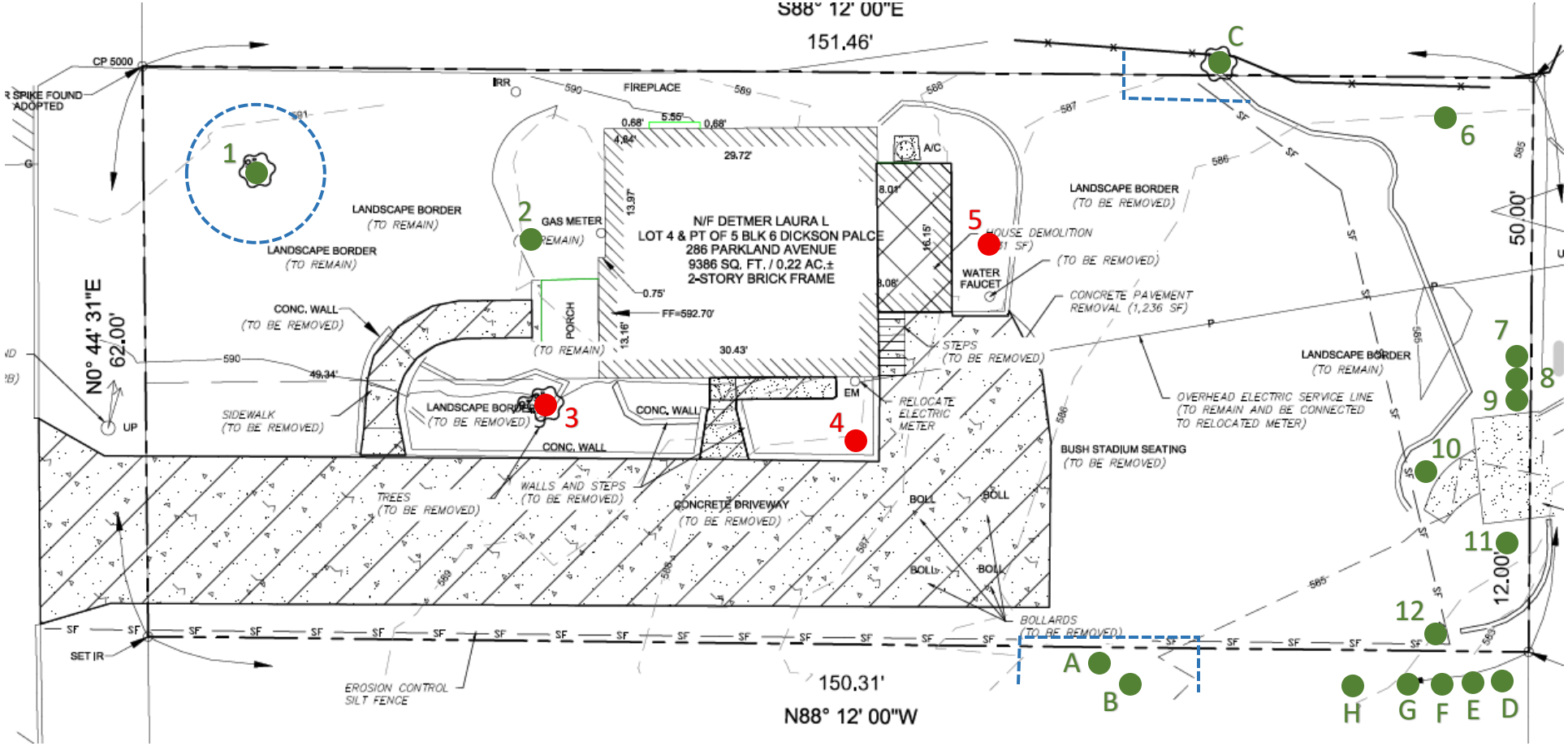
Sincerely,

Andy Berg
Midwest Trees, LLC
ISA Board Certified Master Arborist® IL-5361B
ASCA Registered Consulting Arborist® #902
ISA Tree Risk Assessment Qualified

Tree Preservation Plan Map (*tree points illustrate the approximate location*)

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Graphic depiction of tree protection zone (proposed fencing)



Tree Number	Common Name	Scientific Name	Diameter/Size	Condition	Action	Notes
1	maple, red	*Acer rubrum*	10.5"	Good	Retain & Protect	Tree protection fencing at the dripline
2	dogwood, flowering	*Benthamidia florida*	3.5"	Fair	Retain & Protect	Tree protection fencing not required (tree is less than 6" diameter)
3	holly, American	*Ilex opaca*	8"	Poor	Remove	(2) 8" stems. Health is in severe decline
4	mulberry, weeping	*Morus* spp.	5.5"	Good	Remove	Cannot be preserved due to proposed construction
5	maple, Japanese	*Acer palmatum*	8.5"	Fair	Remove	Cannot be preserved due to proposed construction
6	cherry, weeping	*Prunus* spp.	5"	Good	Retain	No protection fencing needed
7	arborvitae	*Thuja occidentalis* 'Smaragd'	6-7'	Good	Retain	No protection fencing needed
8	arborvitae	*Thuja occidentalis* 'Smaragd'	6-7'	Good	Retain	No protection fencing needed
9	arborvitae	*Thuja occidentalis* 'Smaragd'	6-7'	Good	Retain	No protection fencing needed
10	bald cypress	*Taxodium distichum*	14"	Good	Retain	No protection fencing needed
11	redbud	*Cercis canadensis*	4"	Good	Retain	No protection fencing needed
12	redbud	*Cercis canadensis*	2"	Fair	Retain	No protection fencing needed
A	maple, red	*Acer rubrum*	9.5"	Good	Retain & Protect	Neighbor tree. Tree protection fencing from fence at dripline, at 9.5', or along property boundary (the furthest distance to be accomodated, if possible). The map depicts the proposed orientation. Clearance pruning may be required.
B	arborvitae	*Thuja occidentalis*	8"	Good	Retain & Protect	Neighbor tree. This tree will be protected via the TPZ from Tree A.
C	magnolia, saucer	*Magnolia x soulangeana*	14"	Good	Retain & Protect	Neighbor tree. Tree protection fencing at dripline or at 14' (the furthest distance to be accomodated, if possible). Clearance pruning may be required.
D	arborvitae	*Thuja occidentalis* 'Smaragd'	8-10'	Good	Retain	No protection fencing needed
E	arborvitae	*Thuja occidentalis* 'Smaragd'	8-10'	Good	Retain	No protection fencing needed
F	arborvitae	*Thuja occidentalis* 'Smaragd'	8-10'	Good	Retain	No protection fencing needed
G	arborvitae	*Thuja occidentalis* 'Smaragd'	8-10'	Good	Retain	No protection fencing needed
H	arborvitae	*Thuja occidentalis* 'Smaragd'	8-10'	Good	Retain	No protection fencing needed

*The Critical Root Zone (CRZ) is typically 1-1.5x the diameter of the tree in feet (i.e. a 14" diameter tree would have a CRZ of 14-21'). In the case of the above trees recommended for protection, 1x the diameter is adequate due to size (age is related to vigor) and species (various tolerance levels).

*The Structural Root Zone (SRZ) is not clearly defined and varies. The proposed construction and the proximity to trees to be retained and protected will not impact structural integrity.