



November 13, 2017

Mr. Dan J. Glading
SWBR
387 East Main Street
Rochester, NY 14604

Re: Tree Preservation at 645 Norris Dr. Rochester, NY, Cobbs Hill Village Project

Dear Mr. Glading;

I am a consulting arborist with extensive experience in urban forest management that has been retained to help guide tree preservation during the above referenced project. I recently visited the site to review site plans and tree preservation management. The location contains many mature, large diameter red and pin oaks and a unique, large Korean evodia (*Evodia danellii*). I also did a preliminary inventory of trees that may require removal and provided you with an outline for tree preservation management during the project. That outline is based on industry standards presented in American National Standards Institute A300 Part 5 for Tree Care Operations – Management of Trees and Shrubs During Site Planning, Site Development and Construction, and Best Management Practices, Managing Trees During Construction from the International Society of Arboriculture. The outline provided for the following actions for tree preservation during the project:

- Planning and Design to Preserve Trees
- Pre-Construction Establishment of Tree Protection Measures
- Construction or Tree Preservation during Building
- Post-Construction Tree Maintenance

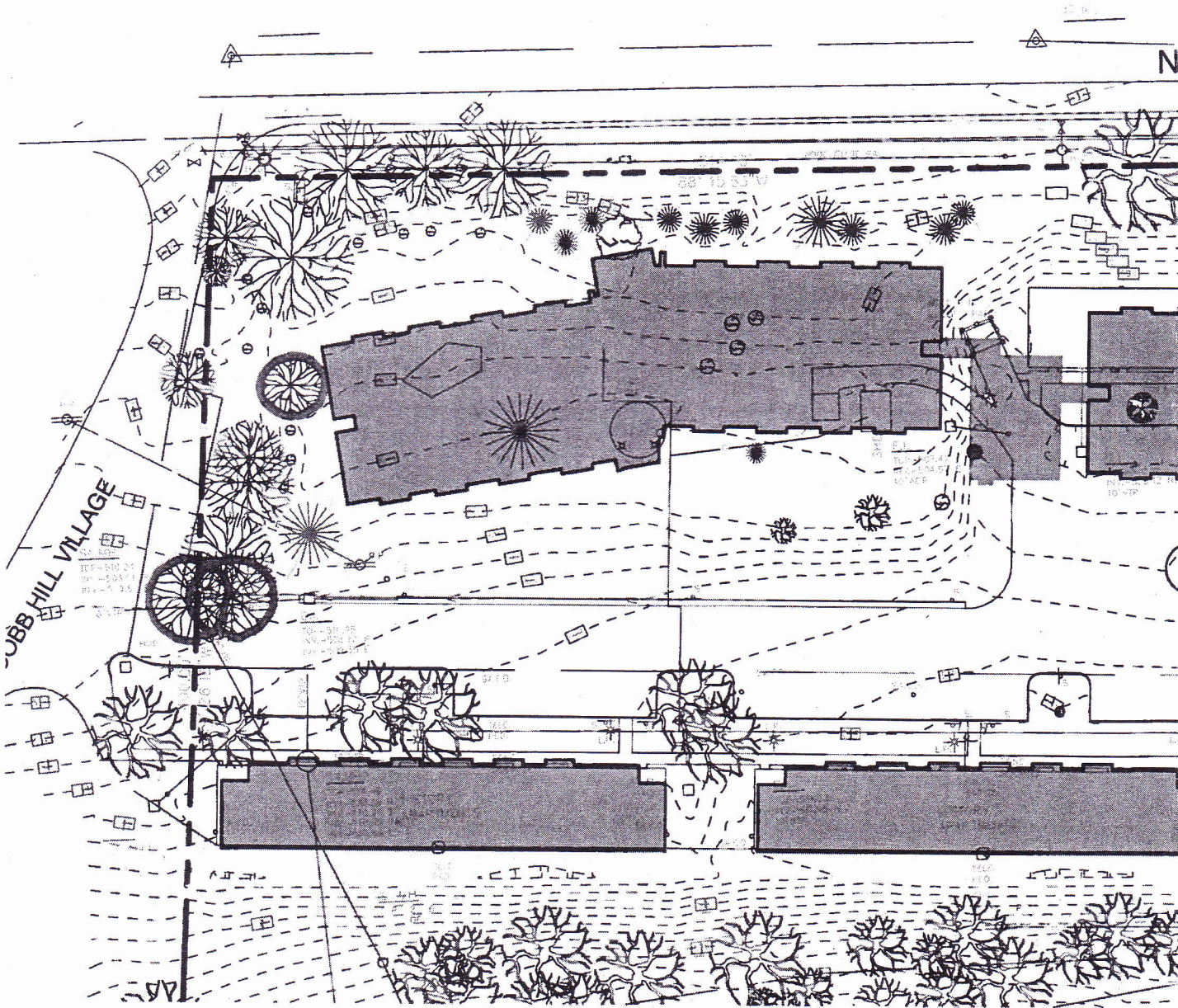
As we discussed, further development of these steps is planned for the project with the goal of preserving as many trees as possible. This detailed planning and preservation management is required to assure that the retained trees and new landscape will thrive into the future after the construction is completed. Further, I reviewed the site planting plans for trees so that the existing native species can be supplemented and enhanced when the construction is completed.

This attention to planning and preservation is essential in all phases of design and construction. I seldom see this desire to plan for and enact tree preservations in large construction projects. Given this level of attention and preparation I am confident the largest number of mature trees will be saved such that they will continue to enhance the site and remain healthy well into the future.

Regards,

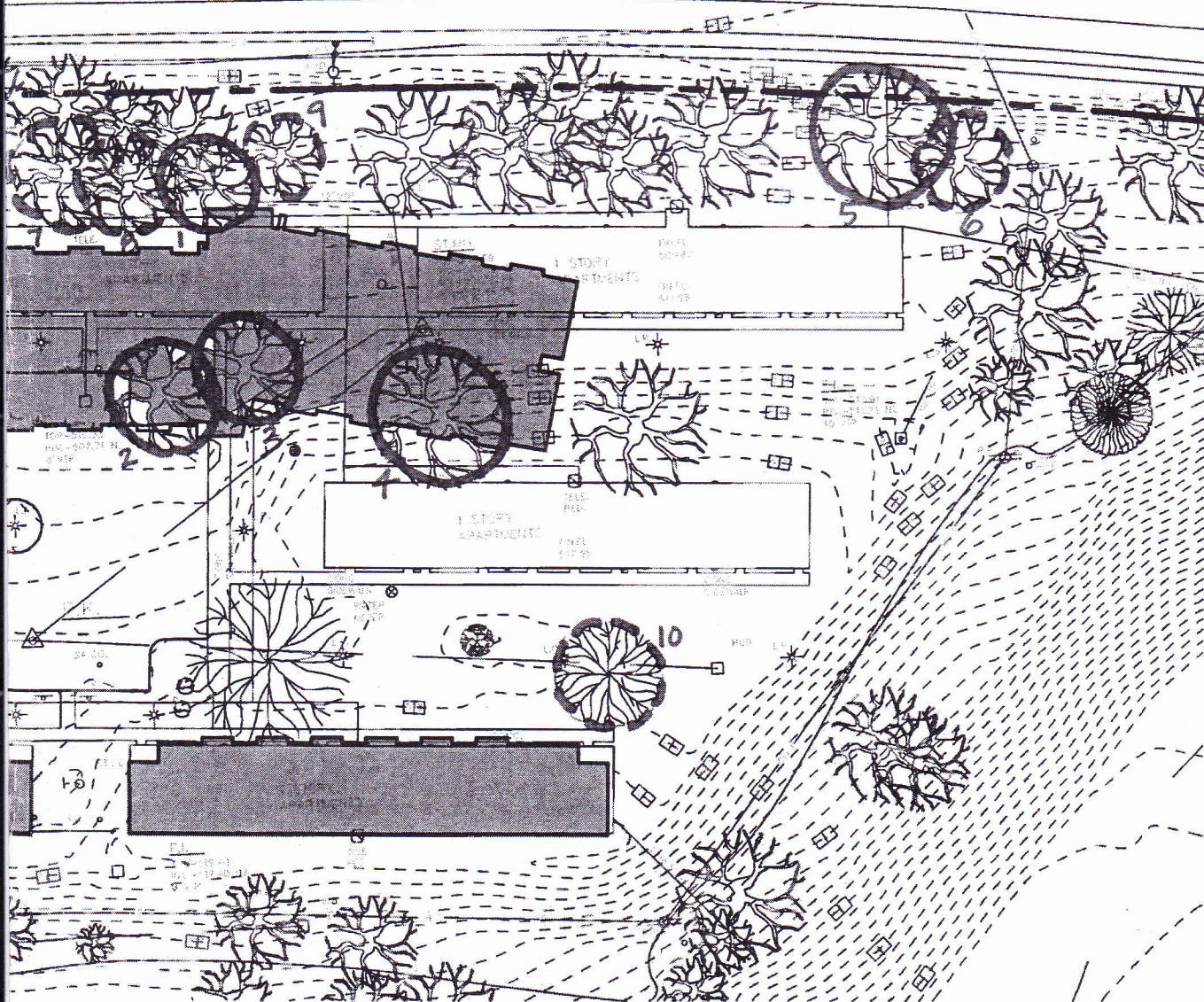
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Partial tree removal



1 OVERALL LAYOUT PLAN

MORRIS DRIVE



Number	Tag	Common	Genus	Species	DBH	Health	Structural	Maintenance
SWBR	#	Name			inches	Condition	Condition	Recommendation
1A	172	Silver maple	<i>Acer</i>	<i>sacharinum</i>	27	Fair	Fair	Remove
1B	172	Silver maple	<i>Acer</i>	<i>sacharinum</i>	30	Good	Good	Remove
1C	174	Silver maple	<i>Acer</i>	<i>sacharinum</i>	40	Fair	Poor	Remove
2	180	Red oak	<i>Quercus</i>	<i>rubra</i>	34	Poor	Fair	Remove
3	181	Red oak	<i>Quercus</i>	<i>rubra</i>	43	Good	Good	Remove
4	182	Red oak	<i>Quercus</i>	<i>rubra</i>	40	Fair	Good	Remove
5	184	Red oak	<i>Quercus</i>	<i>rubra</i>	48	Good	Good	Remove
6	185	Red oak	<i>Quercus</i>	<i>rubra</i>	31	Fair	Fair	Remove
7	186	Red oak	<i>Quercus</i>	<i>rubra</i>	31	Fair	Fair	Remove
8	187	Red oak	<i>Quercus</i>	<i>rubra</i>	28	Good	Good	Remove
9	189	Red oak	<i>Quercus</i>	<i>rubra</i>	22	Fair	Fair	Remove
10	179	Silver maple	<i>Acer</i>	<i>sacharinum</i>	32	Fair	Fair	Remove
1	188	Red oak	<i>Quercus</i>	<i>rubra</i>	30	Good	Good	Remove
None	183	Pin oak	<i>Quercus</i>	<i>palustris</i>	37	Fair	Poor	Remove
None	175	Austrian pine	<i>Pinus</i>	<i>nigra</i>	23	Poor	Good	Remove
none	176	Red oak	<i>Quercus</i>	<i>rubra</i>	19	Good	Good	Remove
none	177	Red oak	<i>Quercus</i>	<i>rubra</i>	18	Good	Good	Remove
none	178	Red oak	<i>Quercus</i>	<i>rubra</i>	20	Good	Good	Remove
none	190	Norway Spruce	<i>Picea</i>	<i>abies</i>	13	Good	Good	Remove
none	none	Norway Spruce	<i>Picea</i>	<i>abies</i>	18	Good	Fair	Remove
none	none	Norway Spruce	<i>Picea</i>	<i>abies</i>	16	Good	Good	Remove
none	none	Norway Spruce	<i>Picea</i>	<i>abies</i>	20	Good	Good	Remove
none	none	Norway Spruce	<i>Picea</i>	<i>abies</i>	12	Good	Good	Remove
none	none	Norway Spruce	<i>Picea</i>	<i>abies</i>	16	Good	Good	Remove
none	none	Norway Spruce	<i>Picea</i>	<i>abies</i>	14	Good	Good	Remove
none	none	Norway Spruce	<i>Picea</i>	<i>abies</i>	17	Good	Good	Remove
none	none	Norway Spruce	<i>Picea</i>	<i>abies</i>	13	Good	Good	Remove
none	none	Norway Spruce	<i>Picea</i>	<i>abies</i>	13	Good	Good	Remove

Tree Preservation Guidance for

645 Norris Drive
Cobbs Hill Village

Outline of Management Planning and Implementation of Tree Preservation Practices

For

SWBR
Rochester, NY

By

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Introduction and Assignment

The 645 Norris Dr. Cobbs Hill Village townhouse development project is located on a site with existing housing and mature tree cover from mature oak and other tree species. This document outlines tree preservation plans for the site that will help in the retention of as many trees as possible during the site planning and construction. The outline follows industry standards presented in American National Standards Institute A300 Part 5 for Tree Care Operations – Management of Trees and Shrubs During Site Planning, Site Development and Construction (ANSI 2012), and Best Management Practices, Managing Trees During Construction (ISA 2008). The outline is provided the following sections:

- Planning
- Design
- Pre-Construction
- Construction
- Post-Construction

Planning

This phase has been completed and initial building plans have been developed for the site. No input was provided by Urban Forest Diagnostics LLC. Several aspects of tree preservation that typically occur in the Planning Phase will be conducted in the Design Phase including inventory of the tree resource, and follow-up assessment of individual trees for health and stability to determine if they are worthy of retention in the project.

Design

The design phase is where trees most suitable for preservation are identified and trees that will require removal because they interfere with the construction are located. A tree preservation plan is developed for the project that includes preservation details for individual trees and groups of trees as needed. Site planning and design for this project are still in the preliminary phases so integration of tree preservation and management can reasonably be conducted and will consist of:

- Inventory, mapping and assessment of all trees on the site
- Advanced assessment of individual trees for preservation suitability
 - Identification of Tree Protection Zones for each tree or group of trees
 - Root excavation and plan adjustment as needed
 - Decay and pest assessment for individual trees as needed
- Building plan adjustment for individual trees or groups of trees
- Development of a tree preservation plan for the site
 - Includes specifications and arboricultural management practices for individual trees and groups of trees
 - Details general management practices for tree preservation
- Development of planting plan for tree and shrub landscape installation after construction

Pre-Construction

Pre-construction is the period between planning and commencement of construction. In this phase the majority of tree preservation activities occur on the site including but not limited to:

- Tree removals and safety pruning
 - Arboricultural work will be identified in the tree inventory and design phase
 - All work shall be conducted according to a work specification that adheres to ANSI for that type of work

- Tree plant health care treatments as prescribed
 - Fertilization and pest management based on needs identified in the tree inventory
- Tree preservation meeting(s) with arborist, architect, builder and regulatory agents
- Tree protection zone establishment and tree management as identified in the Design Phase Tree Preservation Plan
 - Physical installation of fencing and signage
 - Mulching and root protection installation as prescribed
 - Root excavation and cutting as needed for individual tree preservation
 - Installation of tree wells following root evaluation and cutting
 - Trenching or alternative trenching for utilities where tree root systems might be impacted.
 - Irrigation installation in tree protection zones as needed.
- Initial building layout, grading and road construction
 - Root cutting and protection zones altered as needed
 - Root management during grade changes

Construction

The construction phase is primarily monitoring tree protection zones and making adjustments to preservations plans, and installation final landscaping.

- On-site monitoring of tree protection zones
- Approval of tree planting stock and final planting installation

Post-Construction

Post construction follow-up is critical to provide evaluation and treatments as needed of trees included in the construction project. It primarily includes monitoring tree health and prescribing plant health care practices to maintain and improve tree health.

- Periodic site inspections to recommend plant health care practices as needed to improve or maintain tree health.

Literature

ANSI. 2012. A300 Part 5. Tree, shrub, and other woody plant maintenance—standard practices (Management of trees and shrubs during site development, and construction. American National Standards Institute, Inc. Washington, DC. 21 p.

Fite, Kelby and E. T. Smiley. 2008. Best Management Practices. Managing trees during construction. International Society of Arboriculture. Champaign, IL. 33 p.