

Memorandum **Planning & Development Services Division**

To: **Planning and Public Works Committee**

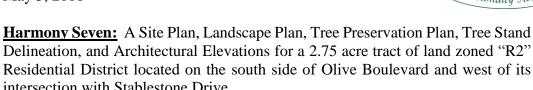
From: Jonathan Raiche, Senior Planner

Date: May 5, 2016

RE:

Delineation, and Architectural Elevations for a 2.75 acre tract of land zoned "R2"

intersection with Stablestone Drive.



Summary

The applicant has proposed a six (6) lot, single-family residential subdivision for detached singlefamily homes located on land that is zoned "R2" Residential District. The proposed lots all meet the minimum R-2 lot size requirement of 15,000 square feet and range from 15,015 square feet to 16,412 square feet. The proposed subdivision also includes a new cul-de-sac public roadway, referenced as Harmony Meadow Ct. on the plan, serving the proposed lots and approximately 0.2 acres of common ground. The proposed cul-de-sac is located west of Stablestone Drive and across from Paddington Hill Drive.

Staff Analysis

As previously mentioned, the subject site is zoned "R-2" Residential District which is a conventional zoning district. The following is a comparison of the minimum requirements for the R-2 district and the current proposal for this site which indicates that all minimum requirements are met.

	Required	Provided
Minimum Lot Size	15,000 sf	15,015 sf -16,412 sf
Maximum Height	3 stories or 45 ft	2 stories + walk-out; 37.5 ft
Minimum Setbacks	Front- 25 ft	Front- 25 ft
	Side – 10 ft	Side – 10 ft
	Rear – 15 ft	Rear – 15 ft

Tree Preservation and Landscaping

Section 04-02 of the Unified Development Code (UDC) requires that unless Special Conditions exist and are approved by the City of Chesterfield, a minimum of 30% of any wooded area shall be preserved. Accurate Tree Stand Delineation and Tree Preservation Plans were provided by the applicant. The applicant is proposing to save 30.7% of the existing wooded area which will be contained in proposed Tree Preservation Easements throughout the development as shown on the proposed Site Plan.

Section 04-02 of the UDC also requires that a 30 foot wide Landscape Buffer is provided along Olive Boulevard and a 20 foot wide Landscape Buffer is provided on all remaining boundary lines of the proposed development. The applicant has provided a Landscape Plan which includes areas of tree preservation with additional plantings that, when combined, meet the buffer requirements. Similar to the Tree Preservation areas, these buffers will also be included in easements to provide protection to these required plantings.

Lighting

The applicant is proposing two decorative, Ameren-approved Post Top Lantern style lighting fixtures, denoted as the "Colonial" style, along Harmony Meadow Ct with one located at its intersection with Olive Blvd and another at the end of the proposed cul-de-sac. In addition to the two proposed decorative light-fixtures, the developer has also proposed a more utilitarian fixture, denoted as the "Enclosed" style, along Olive Boulevard at the westernmost portion of the site's frontage. The Enclosed style of fixture is more compatible with what is provided along Olive Boulevard while the Colonial style fixtures provide a more decorative fixture suitable for those internal to the development. Each of these fixtures can be seen on the attached lighting cut-sheet provided by the applicant.

Pedestrian Circulation

Although not required on streets serving fewer than 8 lots, Staff recommended that sidewalks be considered and the applicant is proposing a sidewalk on one side of the proposed Harmony Meadow Ct. Sidewalk is required and is being proposed along Olive Boulevard. The proposed sidewalks provide adequate means for pedestrian circulation for a development of this size.

Architectural

The applicant has provided Architectural Elevations for one model at this time and has informed Staff that this will serve as the base model for the development with various variations proposed as the individual homeowners become involved. The elevations proposed include a 2-story home with an optional walk-out basement. The primary exterior materials proposed include charcoal grey architectural shingles, divided-light windows, ash grey horizontal vinyl siding, light grey brick, and a grey stone brick ledge. Although there is more architectural detail on the primary façade, the applicant has designed the side and rear facades to include architectural elements and materials matching the front façade as required by the City's Architectural Review Standards. The applicant has done this through including a brick return on both side elevations near the front façade, many divided-light windows which match those on the front façade, a white crown molding trim on all facades, and a substantial horizontal bump-out on the rear façade. Any future revisions or additional models of homes will be reviewed by Staff to ensure compliance with the City's Architectural Review Standards.

Recommendation

Staff has reviewed the Site Plan, Landscape Plan, Tree Stand Delineation, Tree Preservation Plan and Architectural Elevations and has found the proposal to be in compliance with all City Code requirements. Staff recommends approval of the proposal as submitted.

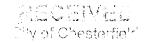
Respectfully submitted,

Jonathan Raiche, AICP

Senior Planner

cc. Aimee Nassif, Planning and Development Services Director

Attachments: Site Plan Packet



Ameren Missouri

JAN 2 8 2016

Dusk-To-Dawn Outdoor Lighting

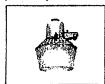
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Monthly Rate* \$ 10.05 \$ 10.98
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© 10 00
\$ 10.30
\$ 12.41
\$ 17.93
\$31.97
\$ 22.76
\$36.00
\$ 22.76
\$71.96

- * Plus all applicable sales and municipal taxes
- ** High Pressure Sodium
- *** Matal Halida

Monthly rate includes luminaire, electricity and maintenance. If wire span or pole is required, installation charges will apply.







Open

Enclosed

Directional

Post Top Lantern

Lamp Wattage	,	
100 H.P.S.	9,500	\$22,99

Overall height is approximately 16 feet on a tapered pole.

*Plus municipal tax where applicable

All post top luminaires require underground wiring (cost of which is not included in the above).

Monthly rate includes fiberglass pole, luminaire, lamp electricity and maintenance.







Colonial

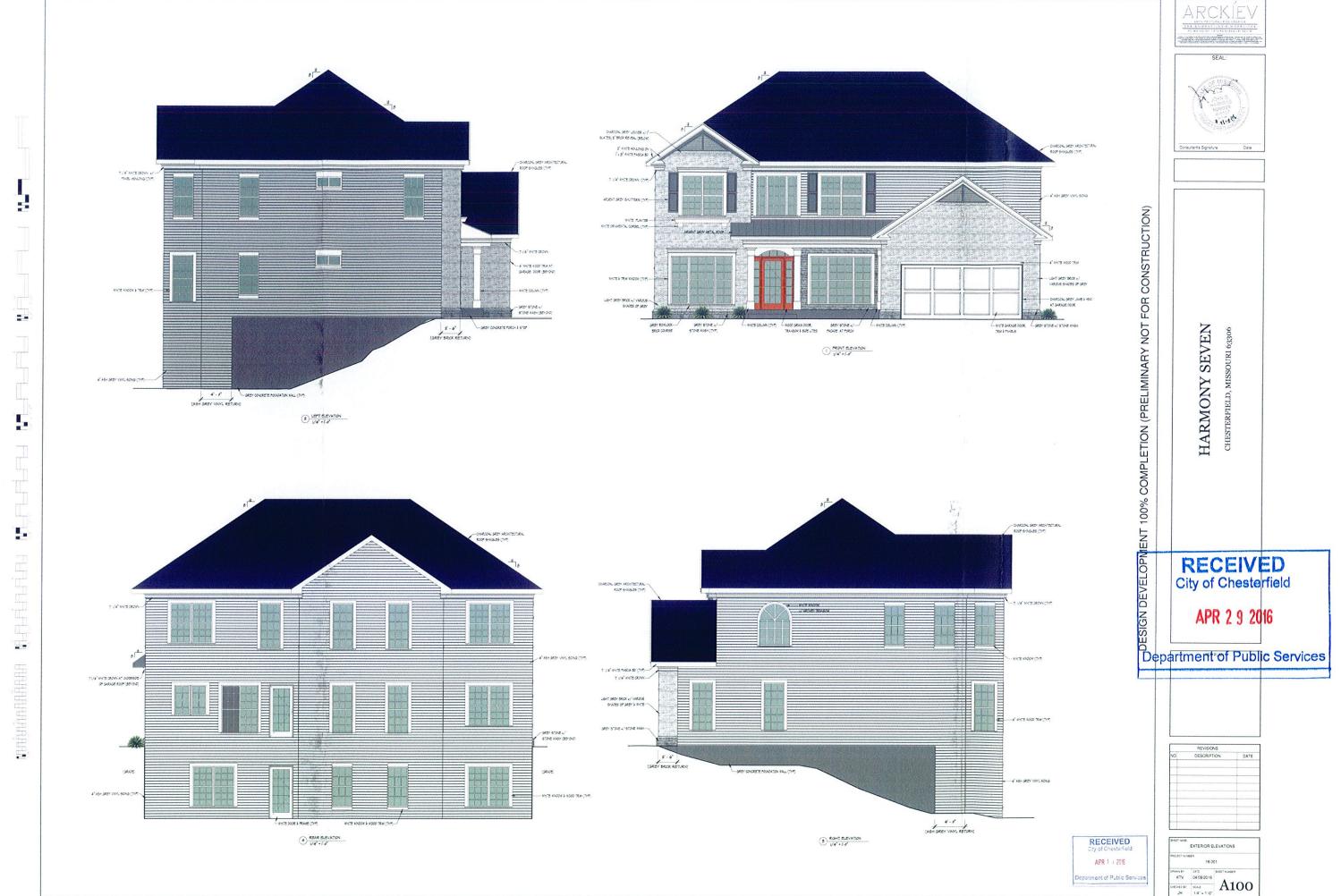


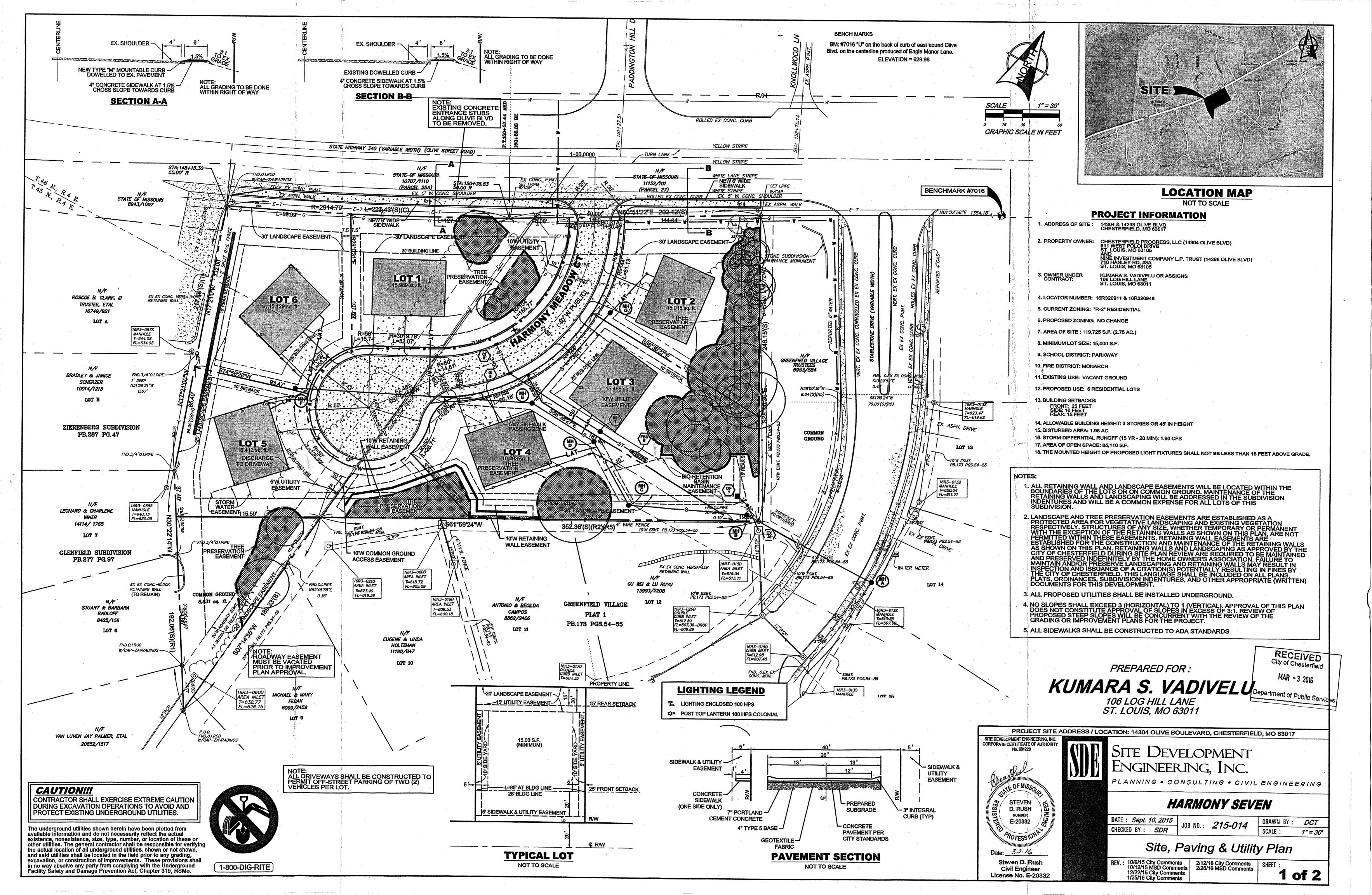
Contemporary**

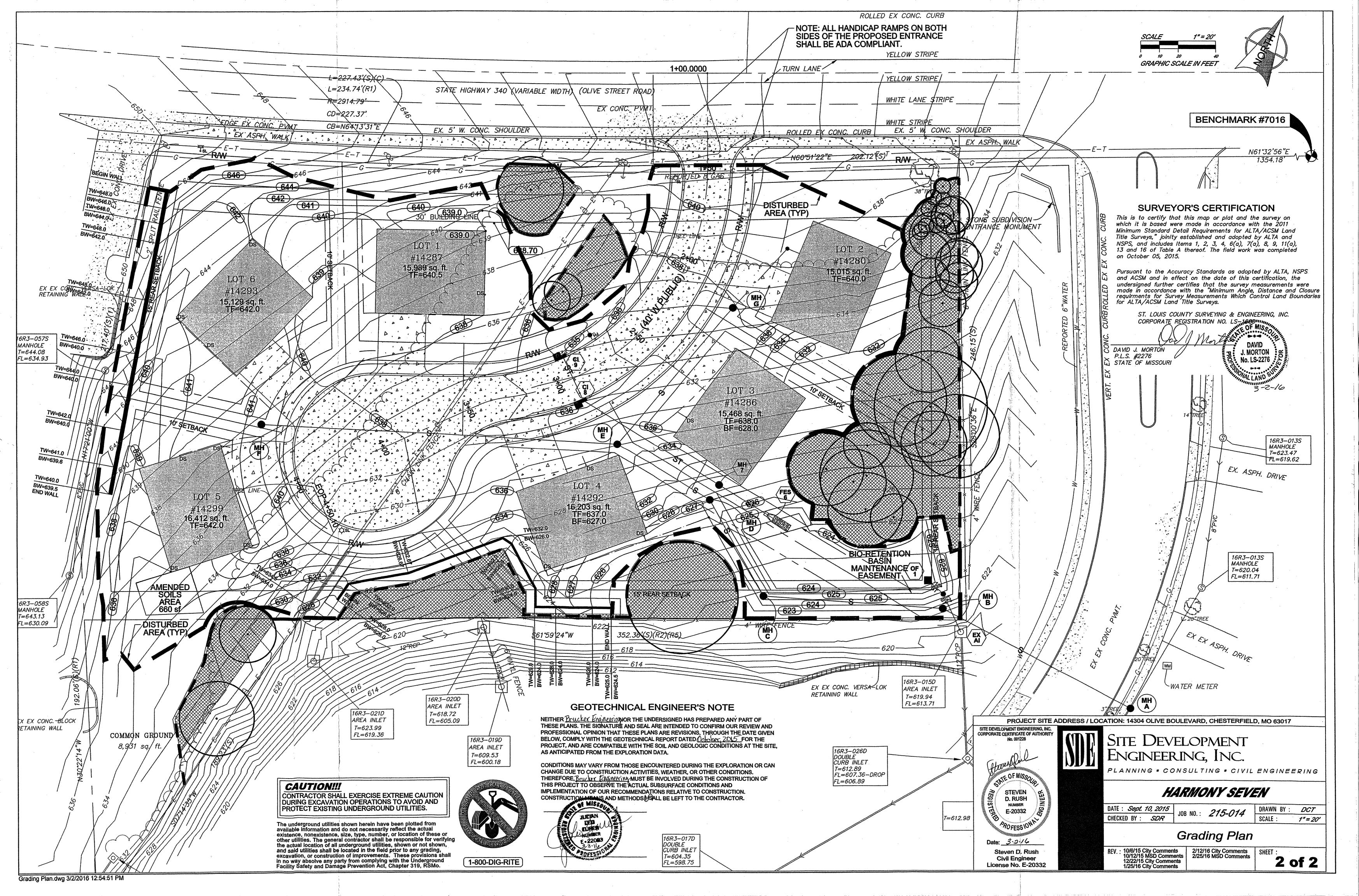


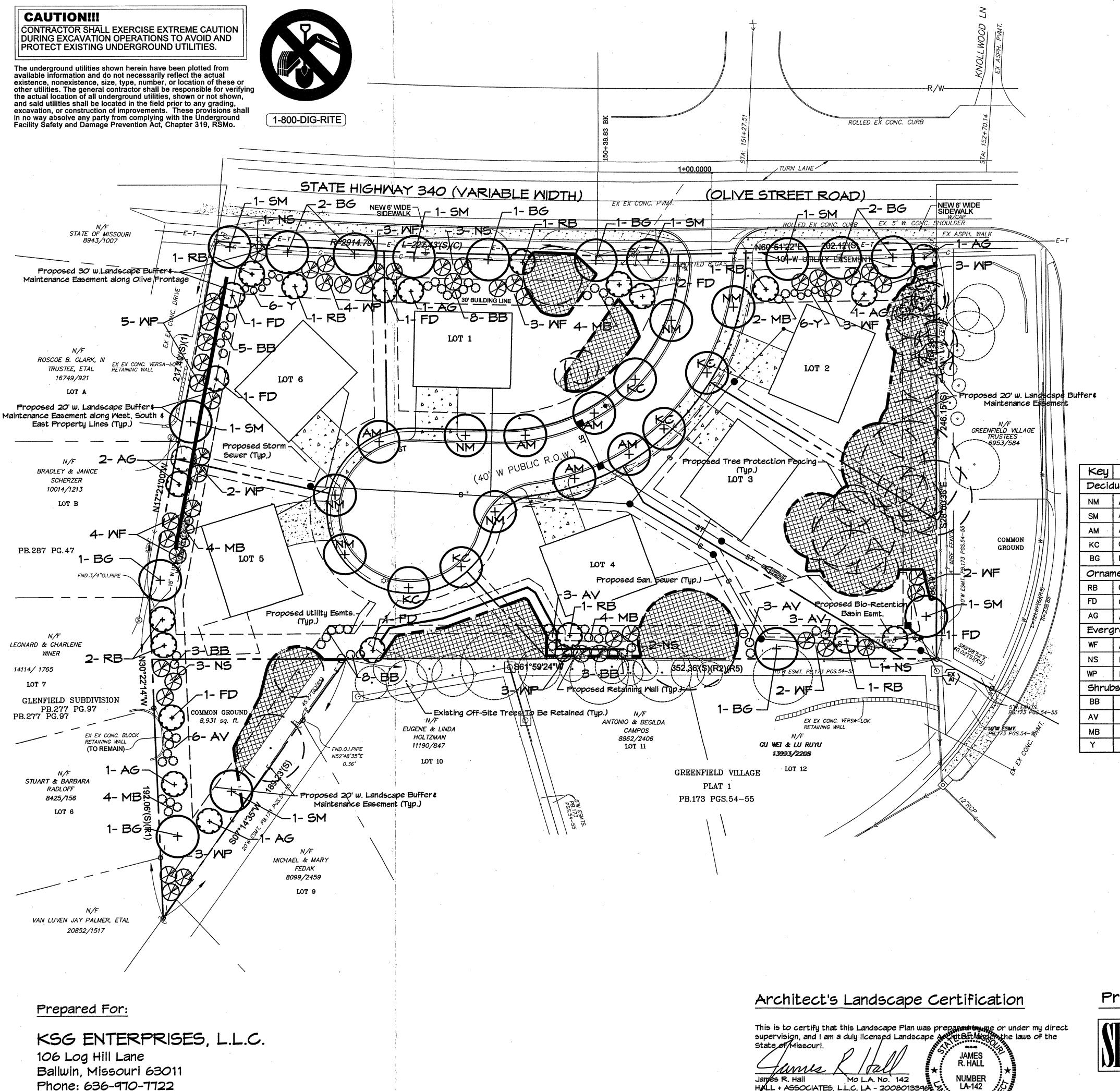
Aspen*

**Additional initial charge applies Rates effective May 30, 2015









"Harmony Seven"

Landscape Notes:

- 1. A maximum of twenty (20) percent of any one species shall be utilized to meet the landscape planting requirements for this subdivision.
- 2. Location Criteria:
- a.) Street trees on the internal street shall be located within the proposed right-of-way, between the back of curb and the sidewalk and/or the street right-of-way line. Trees planted along Olive Street Road shall be located along \$ outside the public right-of-way on the adjoining lots.
- b.) Street trees shall not be planted closer than three (3) feet to any curb.
- c.) Street trees shall not be planted within ten (10) feet of curb inlets or
- d.) Street trees shall not be placed within twenty-five (25) feet of street lights, street signs and intersections.
- e.) Actual locations of plantings shown may vary based upon the final approved locations of utilities, street lights, driveways, curb inlets, etc. but shall adhere to the minimums noted above.
- 3. All plantings shall be installed in a continuous mulch bed, a minimum of 3" deep. Individual trees shall be planted in an earth saucer with a minimum of 3 " of appropriate mulching material, such as shredded hardwood bark. All beds and saucers shall be uniform in shape with smooth and continuous spade
- 4. No plantings are allowed within drainage swales or ditches and shall in no way affect or alter intended surface runoff. Plant materials shall be installed in a manor consistent with positive surface drainage. Trees planted around stormwater detention basins shall be
- arranged so as not to block access to the basins for maintenance. 5. Open Space Calculations: Typical Driveways: Approx. 5,466 sq. ft. (6 x 9911 s.f. each) Typical House Pad: Approx. 16,800 sq. ft. (6 x 2800 s.f. each)

Paved Street: Approx. 11,824 sq. ft. 34,090 sq. ft. approx. (Approx. 28.5 % of Total Tract)

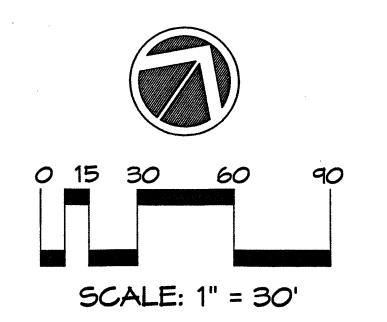
(Based on 34,090 s.f divided by 119,725 s.f.) 6. Tree Preservation Areas are based on plans provided by: Loomis Associates, Inc.

707 Spirit 40 Park Drive Suite 135

Chesterfield, MO 63005-1194

PLANT MATERIAL LIST

Key	Botanical Name	Common Name	Quantity	Size	Mature Ht.	Growth Rate/Size
Decid	Deciduous Trees					
NM	Acer plantanoides 'Crimson King'	Crimson King Norway Maple	6	2 1/2" cal.	45' +	Med (Large)
SM	Acer saccharum 'Green Mountain'	Green Mountain Sugar Maple	7	2 1/2" cal.	45' +	Slow/Med (Large)
AM ·	Acer x freemanii 'Jeffersred'	Autumn Blaze Maple	5	2 1/2" cal.	45' +	Fast (Large)
кс	Gymnocladus dioicus (seedless)	Kentucky Coffeetree	5	2 1/2" cal.	45' +	Med/Fast (Large)
BG	Nyssa sylvatica	Blackgum	9	2 1/2" cal.	30–50'	Slow (Medium)
Ornan	Ornamental Trees					
RB	Cercis candensis	Eastern Redbud	8	2 1/2" cal.	25'-30'	Fast (Medium)
FD	Cornus florida 'Cherokee Princess'	Flowering Dogwood	. 8	2 1/2" cal.	15'-25'	Slow/Med (Small)
AG	Acer ginnala	Amur Maple	7	2 1/2" cal.	20'-25'	Med (Small)
Evergreen Trees						
WF	Abies concolor	White Fir	17	6' ht.min.	45'+	Slow/Med (Large)
NS	Picea abies	Norway Spruce	10	6' ht.min.	40'-60'	Med/Fast (Med/Large)
WP .	Pinus strobus	Eastern White Pine	20	6' ht.min.	45'+	Fast (Large)
Shrub	Shrubs					
BB	Euonymus alatus 'Compactus'	Dwarf Burning Bush	27	18" dia.	5'-10'	Deciduous
AV	Viburnum x rhytidophylloides	Allegheny Viburnum	15	18" dia.	8'-10'	Deciduous
MB	Berberis x mentorensis	Mentor Barberry	18	18" dia.	5'-7'	Deciduous
Υ	Taxus x media 'Densiformis'	Densiformis Yew	12	18" dia.	4'-6'	Evergreen



Mo L.A. No. 142 HALL + ASSOCIATES, L.L.C. LA - 2008013396 Project Engineer:



HARMONY SEVEN

Landscape Plan

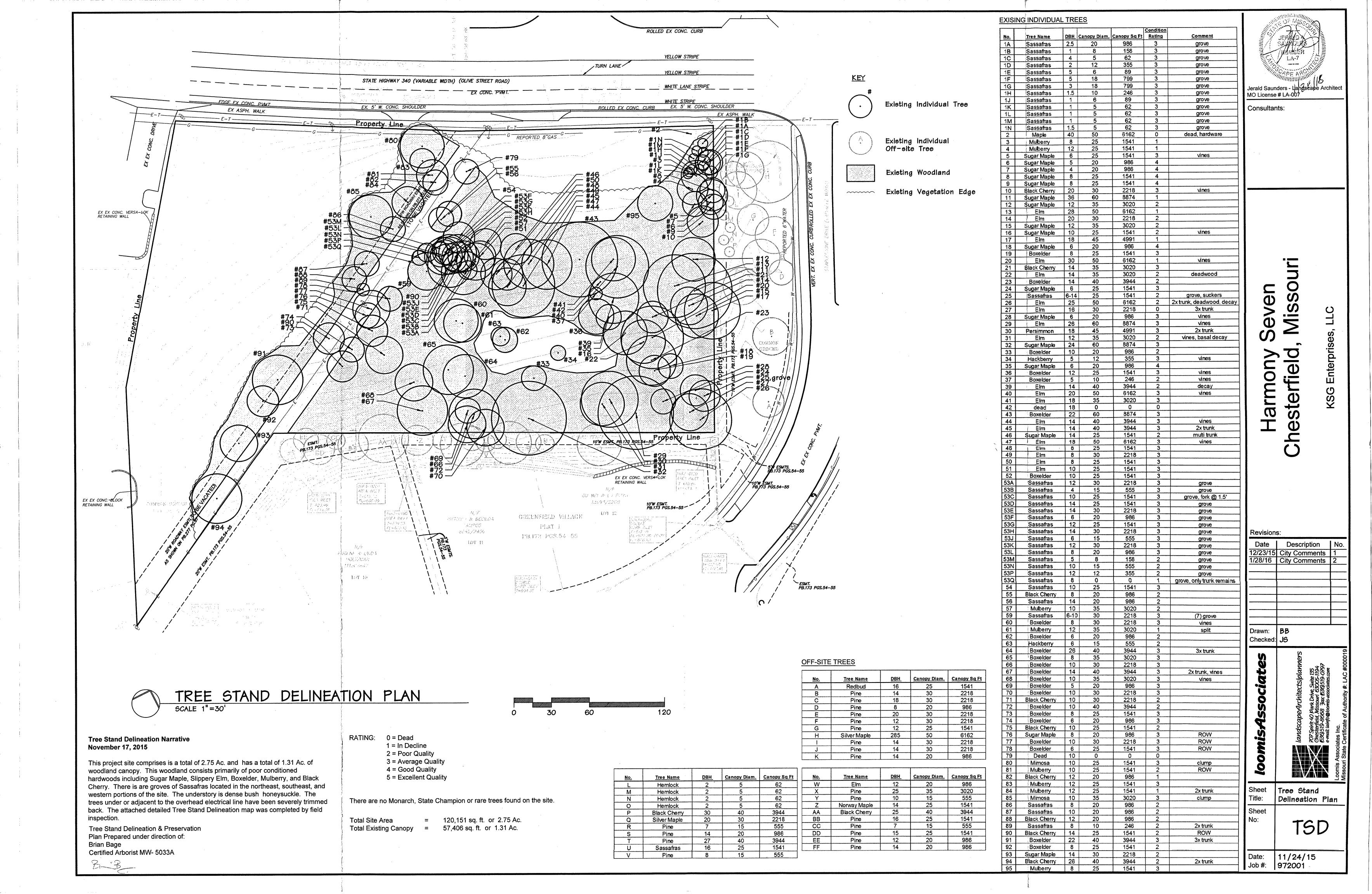


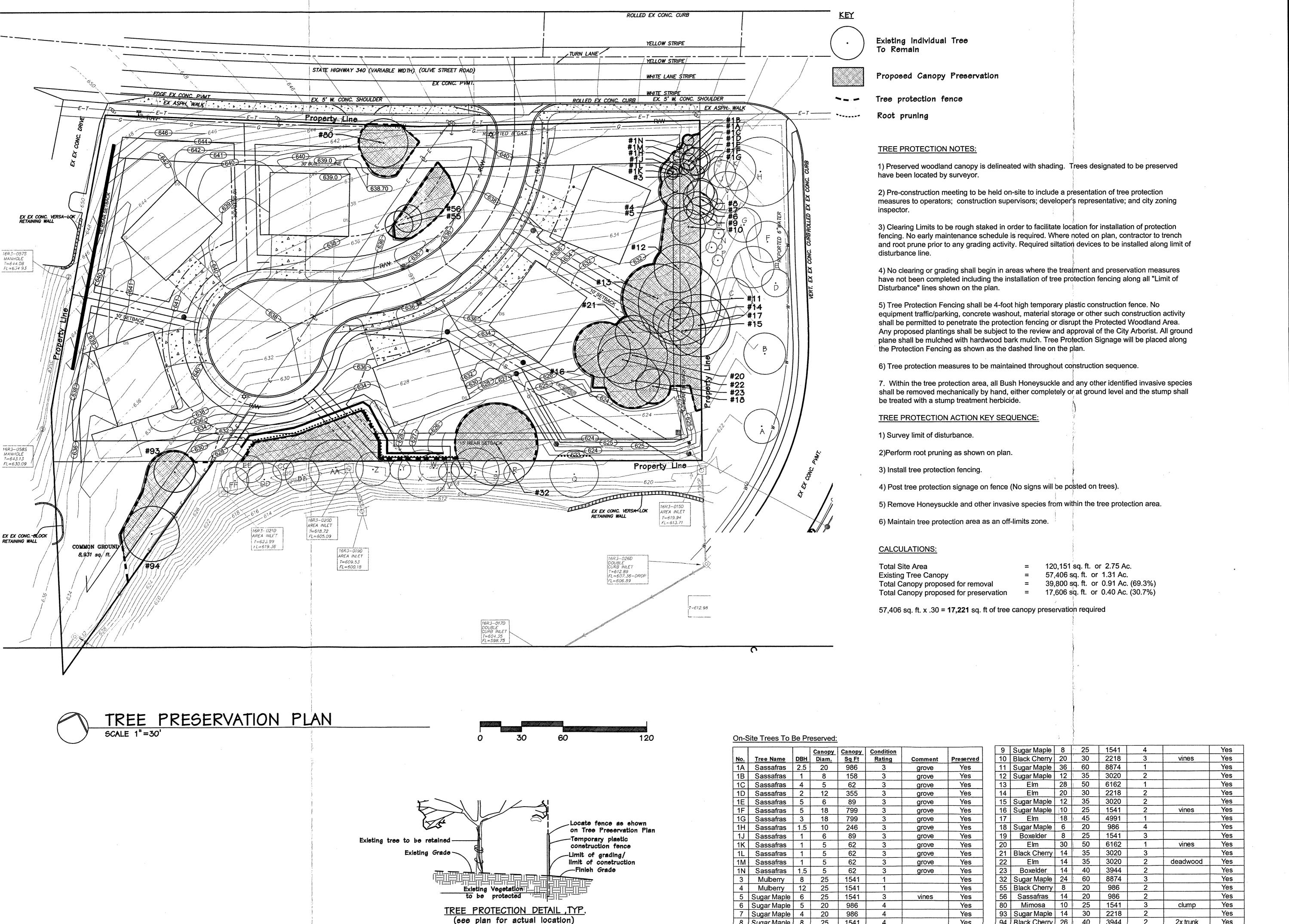
HALL + ASSOCIATES, L.L.C

424 SOUTH CLAY AVENUE, ST. LOUIS, MO 63122 314.966.5577

15008 1 of 1 Date: 10-16-15

11-6-15, 1-28-16, 2-12-16, 3-2-16





Jerald Saunders - Landscape Architect MO License # LA-007

Consultants:

Revisions:

	Date Description		No
į	12/23/15	City Comments	1
	1/28/16	City Comments	2
	2/12/16	Updated Base	3
	3/2/16	Updated Base	4

Drawn: Checked: **JS**

Tree Preservation Title: Plan

Sheet

94 Black Cherry 26 40 3944

Yes

8 | Sugar Maple | 8 | 25 | 1541 | 4

2 2x trunk Yes

11/24/15 Date: Job #: 972001