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Planning Commission Staff Report

Project Type:	Site Development Plan
Meeting Date:	April 27, 2015
From:	Jonathan Raiche, Senior Planner
Location:	North of Wild Horse Creek Road and west of its intersection of Long Road and east of its intersection with Savonne Court
Applicant:	Pulte Homes of St. Louis, LLC
Description:	Bur Oaks SDP : A Site Development Plan, Landscape Plan, Tree Preservation Plan, and Tree Stand Delineation for a 21.88 acre tract of land zoned "E-1/2AC" Estate District with a "WH" Wild Horse Creek Road Overlay District designation located on the north side of Wild Horse Creek Road and west of its intersection of Long Road and east of its intersection with Savonne Court.

PROPOSAL SUMMARY

Stock & Associates Consulting Engineers, Inc., on behalf of Pulte Homes of St. Louis, LLC, has submitted a Site Development Plan, Landscape Plan, Tree Preservation Plan, and Tree Stand Delineation for a 21.88 acre single family detached residential development to be known as Bur Oaks. The plans would permit the development of thirty-five (35) detached single family homes accessing Wild Horse Creek Road via one main proposed internal roadway. This proposed roadway will also provide a connection to future development to the east. Development characteristics of this proposal also include two overlook areas, various walking trails with fitness stations, common ground, and landscape buffers.

HISTORY OF SUBJECT SITE

On February 2, 2015, the City of Chesterfield approved Ordinance 2831, which zoned the subject site from an "NU" Non-Urban District to an "E-1/2AC" Estate District with a "WH" Wild Horse Creek Road Overlay District designation. Because of the overlay designation, a preliminary plan was prepared and approved during the zoning process and the proposed plan is found to substantially conform to the approved preliminary plan.

Planning Commission April 27, 2015

The site currently contains the Mary Schaeffer estate which consists of one (1) residential structure along with two (2) large barn/storage buildings and various other smaller out-buildings. The original structures on the site were built in 1908. These structures were all evaluated by Jesse Francis, Faust Park Historic Village Curator and Ex-Officio Member of the Chesterfield Historic and Landmark Preservation Committee (CHLPC), at the request of the CHLPC. The only structure that was deemed salvageable was the smaller smoke house located to the east of the main structure. The developer is currently working with Faust Park to donate this structure. In recognition of the historical significance of this estate, the developer has included details regarding the installation of a historic marker that is proposed to be near the current buildings. The location and details are provided in the attached Landscape Plan. An aerial of the site can be seen in Figure 1.



Figure 1

Aerial Photo

Direction	Land Use	Zoning
North	Airport/Industrial/Golf Course	"M3" Planned Industrial District
South	Greystone Subdivision (SF Residential)	"R1" Residential with a PEU
East	Vacant (Approved for Senior Living)	"E-1AC" with a CUP
	Residential	"NU" Non-Urban District
West	Church	"NU" Non-Urban District

Land Use and Zoning of Surrounding Properties

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STAFF ANALYSIS Comprehensive Plan

Figure 2 shows the limits of the Wild Horse Creek Road Sub Area in yellow and the subject site in red. The limits of the sub area are also the same limits that encompass the "WH" Overlay area.





In Policy 2.1.11 of the City's Comprehensive Plan, the desire for restricted access of homes on arterial roads is addressed. The proposed plan has complied with minimizing the direct access through utilizing one permanent access drive. Due to requirements of the Monarch Fire District, the developer is also proposing a temporary fire lane that will travel through the adjacent property located to the southeast. The proposed fire lane will utilize the existing driveway curbcut for the residence at 17719 Wild Horse Creek Road and will tie into the required future right-of-way in the Bur Oaks Development as seen in Figure 3. This will also be addressed in the Traffic Access and Circulation section of this report.

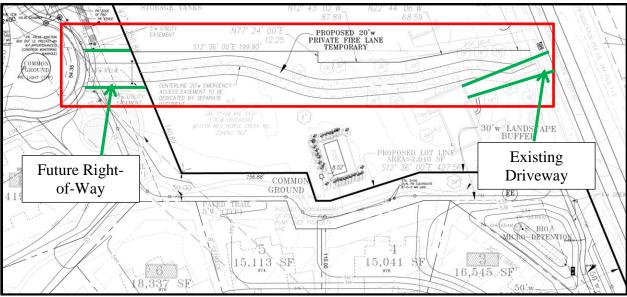


Figure 3

Policy 2.1.5 of the Comprehensive Plan addresses the desire for appropriate buffering along arterial roads. The plan proposes a 30' landscape buffer along three sides of the site as well as a 50' landscape buffer along Wild Horse Creek Road. This landscape buffer specifically addresses the Policies 2.1.5 and 11.2 of the Comprehensive Plan which call for the development in the Wild Horse Creek Road Sub Area to be set back and screened from the road. A number of the other Comprehensive Plan policies specific to the Wild Horse Creek Road Sub Area are addressed in the following sections of this report.

Zoning

As previously mentioned, the subject site is governed by Ordinance 2831 as well as the current "WH" Overlay District requirements. The proposed plans comply with the development criteria contained within the site-specific ordinance by providing thirty-five (35) single family detached homes. The proposed lots vary between approximately 15,000 square feet and 18,000 square feet in size. This complies with the minimum 15,000 square foot lot size requirement which corresponds to the underlying "E-1/2AC" Estate District within the "WH" Overlay.

Traffic Access and Circulation

In order to limit the number of direct access points on Wild Horse Creek Road and to comply with the City's Driveway Access Location and Design Standards, this proposal features one main permanent entrance that is located directly across from the existing Greystone Manor Parkway. This is proposed as a public right-of-way that meanders through the site and features two turnaround opportunities. The roadway will feature 4' wide sidewalks along both sides in addition to the proposed trails that traverse through the site. The end of the proposed road will feature a cul-de-sac; however, the road will also be built to connect to the future development to the east as that site is developed. The proposed plan also incorporates a future right-of-way dedication that will be utilized to access the 6 smaller parcels to the southeast as they are redeveloped. This future right-of-way will also be used as the connection to the temporary fire lane as previously mentioned but will be gated near the property line with access provided to the fire district. This fire lane will be effective until a time that a second permanent access is provided for this development to Wild Horse Creek Road. The timing of this is currently undetermined.

Common Ground

The "WH" Overlay requires a minimum of 30% Common Ground which corresponds to Policy 11.3 of the Comprehensive Plan that calls for the preservation of open space to emphasize the scenic character of Wild Horse Creek Road. The developer has provided approximately 31% Common Ground that is dispersed throughout the site. Some of this Common Ground also coincides with the natural bluff which meets the requirement of the overlay district for the preservation of slopes and natural features.

Landscaping

A Landscape Plan has been submitted showing the proposed trees and shrubs to be installed on the site. The underlying zoning district for this site requires a 30' wide landscape buffer along the perimeter of the development. The "WH" Overlay also requires a 50' lot setback along Wild Horse Creek Road in an effort to provide additional buffering between the development and the road. The developer has chosen to expand the 30' wide landscape buffer along Wild Horse Creek Road and is proposing a 50' wide landscape buffer to match the required lot setback and provide additional visual screening between the development and the road thus maintaining the character of Wild Horse Creek Road.

The required buffer along the north boundary is fulfilled through preservation of the existing woodland. The buffers provided along the east, west, and south borders consist of a combination of deciduous, ornamental, and evergreen trees along with various shrub varieties. The plantings generally follow the proposed sidewalk and trails that traverse through the site which will also provide a more pleasant experience to residents using the trails. In addition to an adequately planted buffer that meets the City's requirements, the developer has also provided plantings of smaller sized native trees above and beyond the minimum requirements in an effort to increase tree diversity throughout the proposed buffers. Since these trees are above and beyond the required trees, they are not subject to the minimum size requirements. The proposal also features plantings located throughout the centralized common ground area, cul-de-sacs, and entrance median. The street trees provided along the internal road and Wild Horse Creek Road also meet all City requirements.

Tree and Slope Preservation

The majority of the existing woodland and steep slope areas are located on the north end of the site. The City requires that 30% of the existing tree canopy be preserved. The developer is proposing a preservation of 43% of the canopy which again exceeds the minimum requirements. The majority of the preserved trees are located in the north woodland area with a small portion of trees also preserved near the existing home. The tree and slope preservation requirements reflect Policies 11.5 and 11.6 of the Comprehensive Plan which call for the preservation of natural features and slopes. Similarly, the "WH" Overlay requires that development on slopes exceeding 20% shall be minimized. The developer has proposed development on approximately 16% of these steep slopes which fulfills this requirement.

Lighting

The plan proposes street lights along the internal road including one located in the entrance median of the development near Wild Horse Creek Road. The proposed street lights are the Early American style Ameren UE approved light fixture which meet all City Code requirements. The light will not be less than 16' above grade and will be fully shielded in order to provide a safe environment while still minimizing light trespass.

Architectural Elevations

The developer has submitted 5 different floor plan models each with multiple elevation options for a total of twenty-five architectural elevations. Staff has reviewed each of the proposed elevations for compliance with the Architectural Review Standards as well as the "WH" Overlay requirement for compatible design on all sides of the homes. The elevations provided to staff include a variety of architectural styles and all utilize durable, high quality materials. The exterior materials proposed include brick, stone, and fiber cement siding (lap siding, shake siding, and flat cement board siding) on the principal façade with a masonry element extending around the bottom portion of the remaining façades. The proposed elevations all feature side-entry garages which provide a more aesthetically pleasing principal façade. Staff has included copies of 5 different architectural renderings as a representative sampling of the architectural elements and styling proposed for this development.

The principal façade includes the most variation through materials and the use of architectural elements that offer various setbacks to avoid a monotonous, flat elevation. However, the rear and side facades have been designed to include multiple materials in order to be compatible with the principal façade as shown in the attached architectural exhibits.

Community Amenities

One of the Minimum Standards of Design for the "WH" Overlay District is the inclusion of community amenities. The developer has incorporated a wide variety of amenities for use by the residents of the subdivision. There are trails located throughout the development that tie into the sidewalks provided along the proposed road at multiple points. The trails can be used to access the two lookout areas located in the northeast and northwest corners of the subdivision to highlight the views that are offered from the top of the bluff. As previously mentioned, the trails and other common ground areas are also landscaped throughout. Along the trail, the developer has also proposed three fitness equipment stations along with a children's playground area. The last community amenity is a large community gathering area located in the center of the development that provides two separate seating areas and is accessed via the proposed trail system.

DEPARTMENT INPUT

Staff has reviewed the Site Development Plan, Landscape Plan, Tree Preservation Plan, and Tree Stand Delineation and has found the proposal to be in compliance with the site specific ordinance and all City Code requirements. Staff recommends approval of the proposal as presented.

MOTION

The following options are provided to the Planning Commission for consideration relative to this application:

- 1) "I move to approve (or deny) the Site Development Plan, Landscape Plan, Tree Preservation Plan, and Tree Stand Delineation for the Bur Oaks subdivision.
- 2) "I move to approve the Site Development Plan, Landscape Plan, Tree Preservation Plan, and Tree Stand Delineation for the Bur Oaks subdivision, with the following conditions..." (Conditions may be added, eliminated, altered or modified)

Planning Commission April 27, 2015

CC: Aimee Nassif, Planning and Development Services Director

Attachments: Site Development Plan Landscape Plan Tree Preservation Plan Tree Stand Delineation Architectural Exhibits









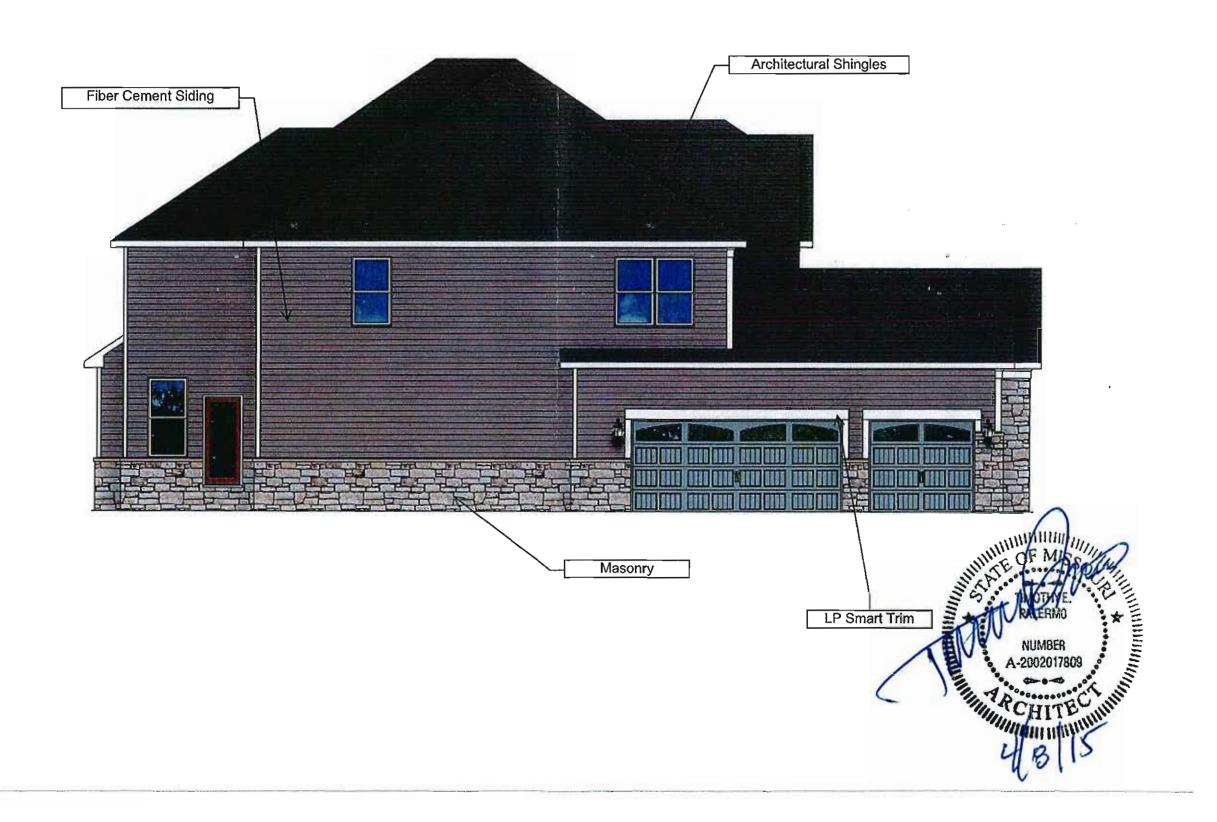


Skyview Front Elevation



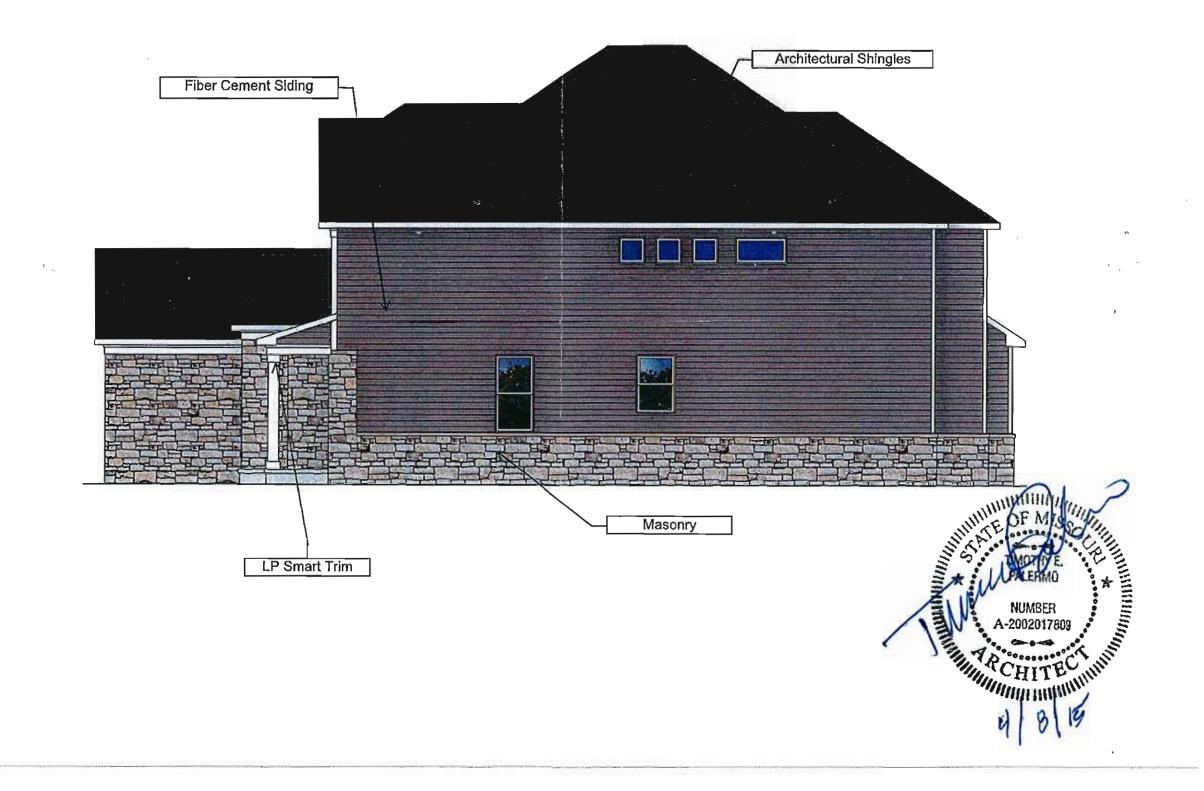
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Skyview Left Elevation

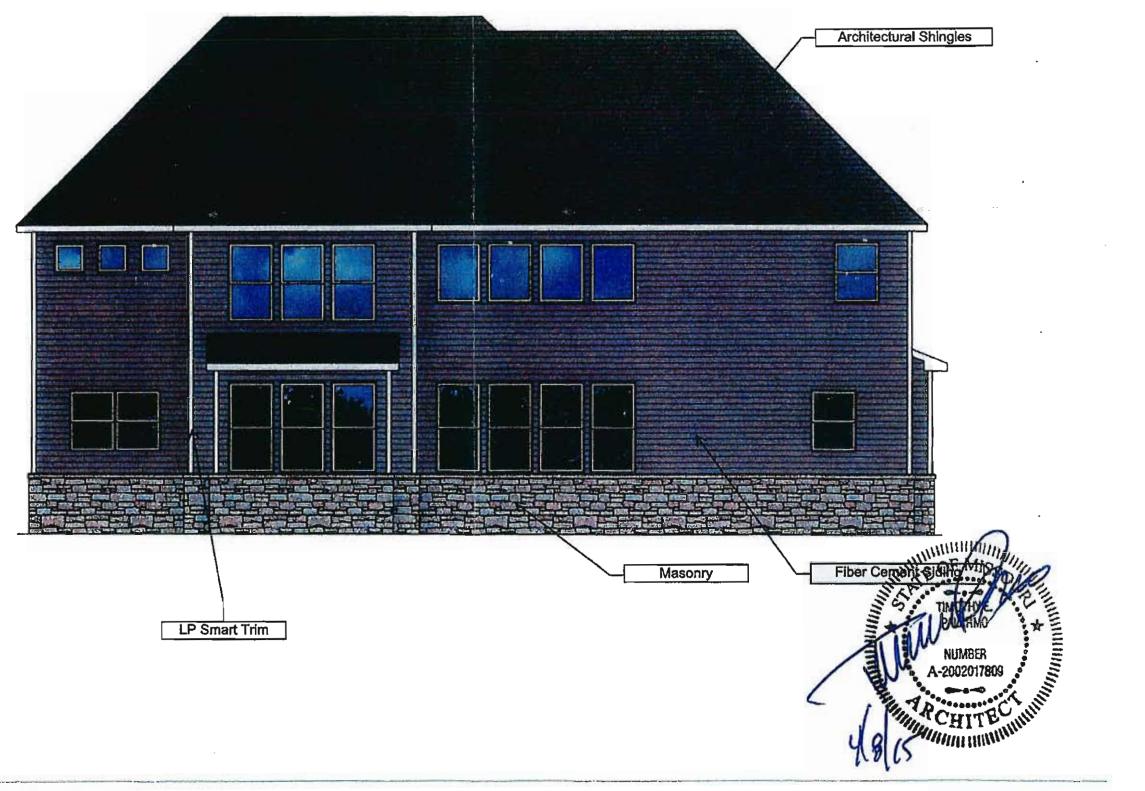


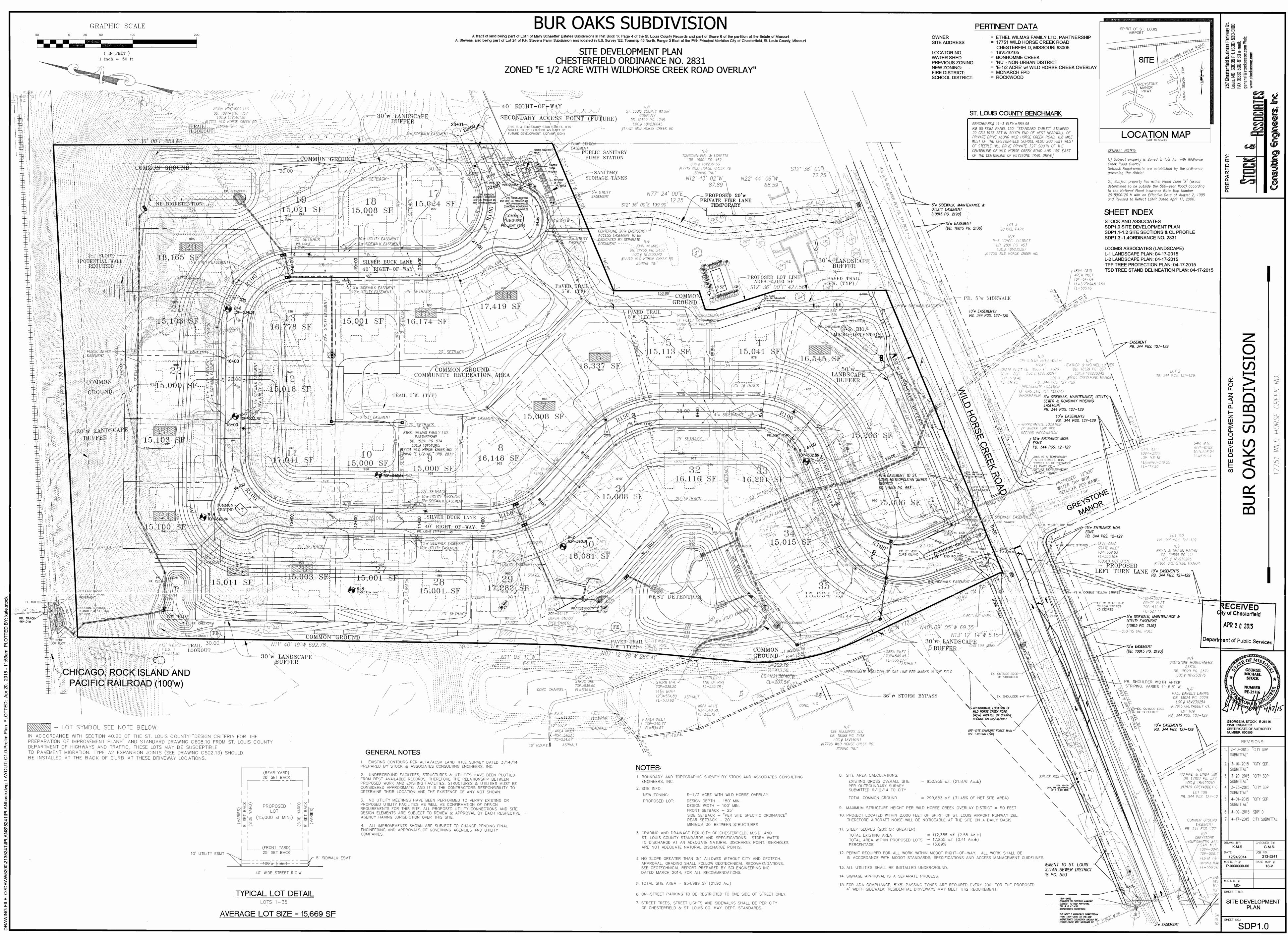
Skyview Right Elevation

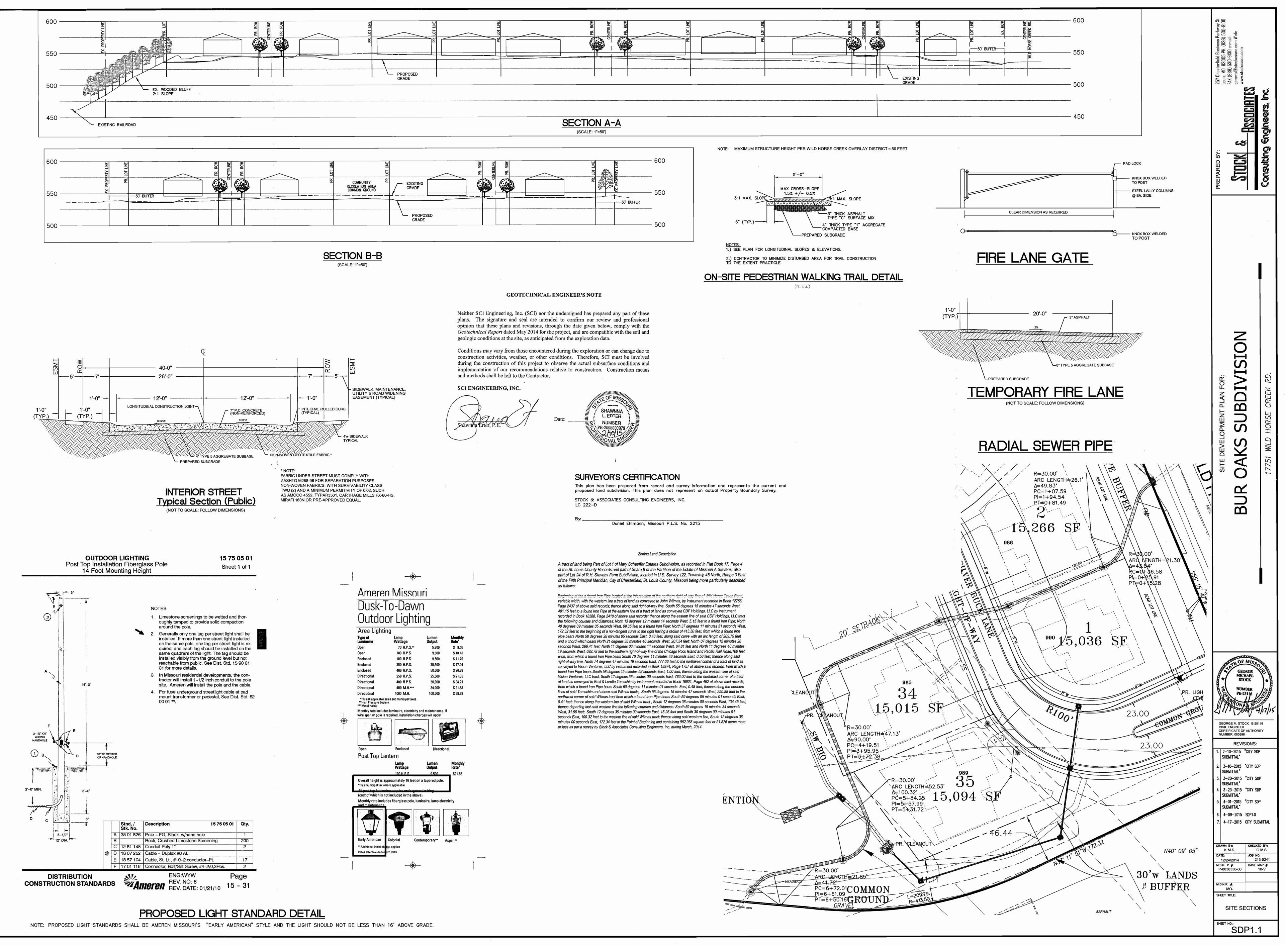
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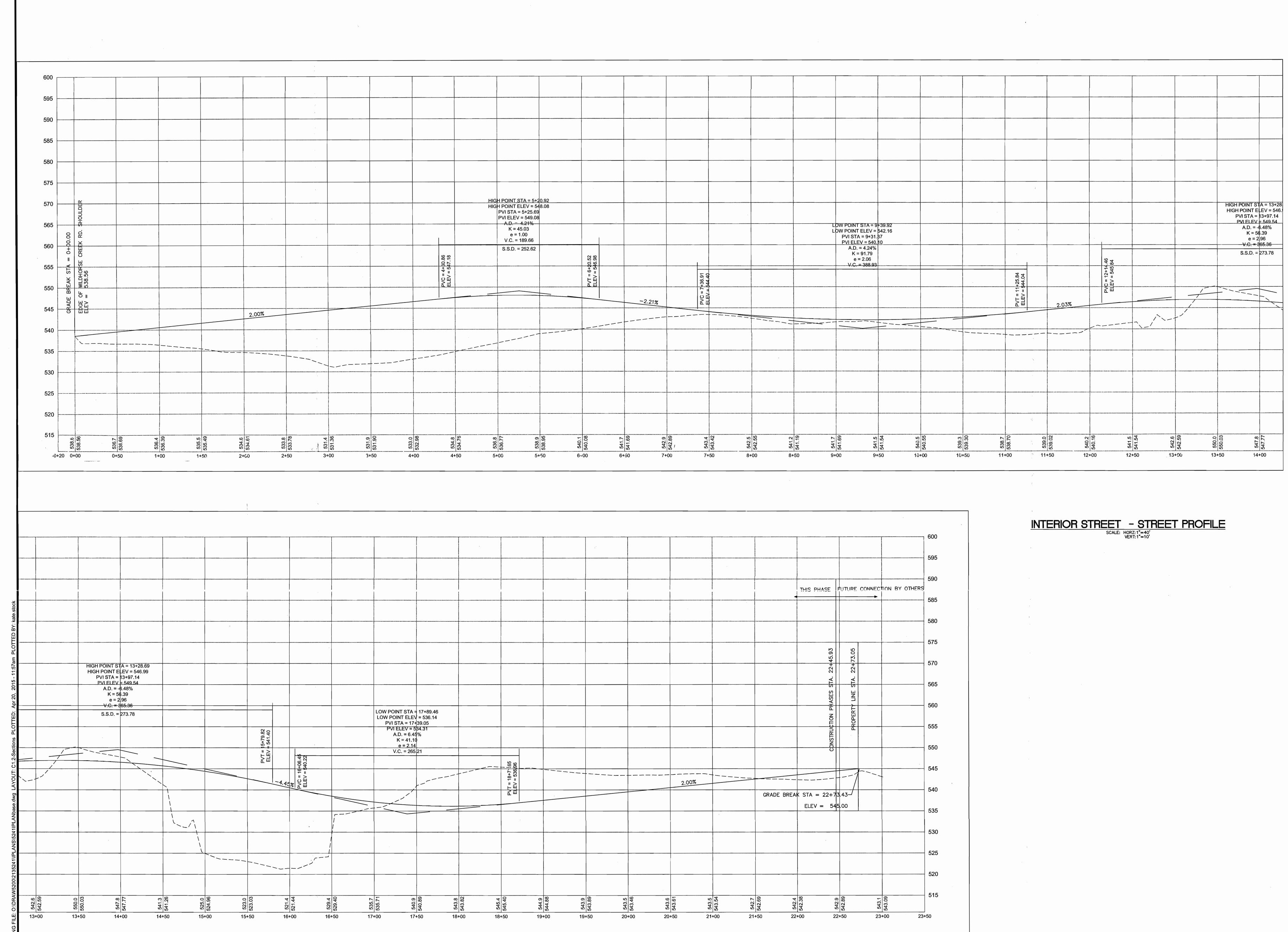
Skyview Rear Elevation







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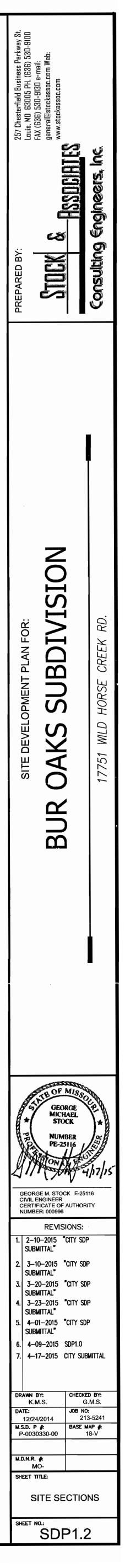
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BILL NO. _____3014_____

2831 ORDINANCE NO.

AN ORDINANCE AMENDING THE ZONING ORDINANCE OF THE CITY OF CHESTERFIELD BY CHANGING THE BOUNDARIES OF AN "NU" NON-URBAN DISTRICT TO AN "E-1/2AC" ESTATE DISTRICT WITH A "WH" WILD HORSE CREEK ROAD OVERLAY DISTRICT FOR A 21.876 ACRE TRACT OF LAND LOCATED ON THE NORTH SIDE OF WILD HORSE CREEK ROAD WEST OF ITS INTERSECTION OF LONG ROAD AND EAST OF ITS INTERSECTION WITH SAVONNE COURT (P.Z. 09-2014 BUR OAKS [17751 WILD HORSE CREEK ROAD) -18V510105).

WHEREAS, the petitioner, Pulte Homes of St. Louis, has requested a change in zoning from "NU" Non-Urban District to an "E-1/2AC" Estate District with a Wild Horse Creek Road Overlay District designation for 21.876 acres located on the north side of Wild Horse Creek Road west of its intersection of Long Road and east of its intersection with Savonne Court; and,

WHEREAS, a Public Hearing was held before the Planning Commission on October 27, 2014; and,

WHEREAS, the Planning Commission, having considered said request, recommended approval of the change of zoning; and,

WHEREAS, the Planning and Public Works Committee, having considered said request, recommended approval of the change of zoning and recommended approval for modification request for a reduced 8 foot side yard setback to allow for the development of single family dwellings with side entry garages; and,

WHEREAS, the City Council, having considered said request, voted to approve the change of zoning request and voted to approve the aforementioned modification request.

NOW THEREFORE BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF CHESTERFIELD, ST. LOUIS COUNTY, MISSOURI, AS FOLLOWS:

Section 1. City of Chesterfield Unified Development Code and the Official Zoning District Map, which are part thereof, are hereby amended by establishing an "E-1/2AC" Estate District with a Wild Horse Creek Road Overlay District designation for 21.876 acres located on the north side of Wild Horse Creek Road west of its intersection of Long Road and east of its intersection with Savonne Court and as described as follows:

P.Z. 09-2014 Bur Oaks (17751 Wild Horse Creek Road) Planning Commission 12/08/2014 Planning & Public Works Committee 1/08/2015	Page 1 of
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ATTACHMENT A

All provisions of the City of Chesterfield City Code shall apply to this development except as specifically modified herein.

- I. SPECIFIC CRITERIA
- A. PERMITTED USES
- 1. The uses allowed in this "E-1/2 AC" Estate District with a Wild Horse Creek Road "WH" Overlay District shall be: a. Dwellings, Single Family Detached.
- **B. DENSITY REQUIREMENTS**
- The total number of single family residential units shall not exceed thirty-five (35) units.
- C. SETBACKS

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1. Structure Setbacks

- No building or structure, other than: a freestanding subdivision identification sign. light standards, or flag poles will be located within the following setbacks: a. Twenty-five (25) foot from the internal right-of-way shown as Oak Ridge
- Lane on the Preliminary Plan attached heretc and marked as Attachment B. b. Fifteen (15) foot minimum side yard setback for all lots; except that lots
- developed with side entry garages shall have a minimum side yard setback of eight (8) feet.
- c. Thirty (30) foot minimum setback between structures shall be maintained for all lots.
- 2. Lot Setbacks
- a. All lots shall be set back a minimum of seventy-seven (77) feet from the northern boundary of this district.
- **D. DEVELOPMENT STANDARDS**
- Minimum lot size for this development shall be 15,000 sf.
- E. PARKING AND LOADING REQUIREMENTS
- 1. Parking and loading spaces for this development will be as required in the City of Chesterfield Code.

A tract of land being Part of Lot 1 of Mary Schaeffer Estates Subdivision, as recorded in Plat Book 17, Page 4 of the St. Louis County Records and part of Share 6 of the Partition of the Estate of Missouri A Stevens, also part of Lot 24 of R.H. Stevens Farm Subdivision, located in U.S. Survey 122, Township 45 North, Range 3 East of the Fifth Principal Meridian, City of Chesterfield, St. Louis County, Missouri being more particularly described as follows:

Beginning at the a found Iron Pipe located at the intersection of the northern right-of-way line of Wild Horse Creek Road, variable width, with the western line a tract of land as conveyed to John Wilmas, by instrument recorded in Book 12756, Page 2437 of above said records; thence along said right-of-way line, South 55 degrees 15 minutes 47 seconds West, 481.15 feet to a found Iron Pipe at the eastern line of a tract of land as conveyed CDF Holdings, LLC by instrument recorded in Book 18588, Page 2418 of above said records; thence along the eastern line of said CDF Holdings, LLC tract the following courses and distances: North 13 degrees 12 minutes 14 seconds West, 5.15 feet to a found Iron Pipe; North 40 degrees 09 minutes 05 seconds West, 69.35 feet to a found Iron Pipe; North 37 degrees 11 minutes 51 seconds West, 172.32 feet to the beginning of a non-tangent curve to the right having a radius of 413.50 feet, from which a found Iron pipe bears North 58 degrees 28 minutes 05 seconds East, 0.43 feet; along said curve with an arc length of 209.79 feet and a chord which bears North 21 degrees 38 minutes 46 seconds West, 207.54 feet; North 07 degrees 12 minutes 28 seconds West, 266.41 feet; North 11 degrees 03 minutes 11 seconds West, 64.81 feet and North 11 degrees 40 minutes 19 seconds West, 692.78 feet to the southern right-of-way line of the Chicago Rock Island and Pacific Rail Road,100 feet wide, from which a found Iron Pipe bears South 70 degrees 11 minutes 48 seconds East, 0.56 feet; thence along said right-of-way line, North 74 degrees 47 minutes 19 seconds East, 777.36 feet to the northwest corner of a tract of land as conveyed to Vision Ventures, LLC by instrument recorded in Book 18974, Page 1757 of above said records, from which a found Iron Pipe bears South 58 degrees 15 minutes 52 seconds East, 1.00 feet; thence along the western line of said Vision Ventures, LLC tract, South 12 degrees 36 minutes 00 seconds East, 783.00 feet to the northeast corner of a tract of land as conveyed to Emil & Loretta Tomschin by instrument recorded in Book 16601, Page 462 of above said records, from which a found Iron Pipe bears South 60 degrees 11 minutes 01 seconds East, 0.48 feet; thence along the northern lines of said Tomschin and above said Wilmas tracts, South 55 degrees 15 minutes 47 seconds West, 250.88 feet to the northwest corner of said Wilmas tract from which a found Iron Pipe bears South 59 degrees 05

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2. No construction related parking shall be permitted within Wild Horse Creek Road right-of-way or on any other existing roadways. All construction related parking shall be confined to the development.

3. On-street parking shall be limited to one side of internal street identified as Oak Ridge Lane on the Preliminary Plan attached hereto and marked as Attachment B.

Landscape Buffers requirements:

F. LANDSCAPE AND TREE REQUIREMENTS

- a. A thirty (30) foot Landscape Buffer shall be required around the entire perimeter of the district except on the southern border. A fifty (50) foot Landscape Buffer shall be required along the southern border adjacent to Wild Horse Creek Road.
- b. The required Landscape Buffer shall be outside of any developed lot.
- 2. A minimum of thirty percent (30%) Common Ground shall be required for this

G. SIGN REQUIREMENTS

Signs shall be permitted in accordance with the regulations of the City of Chesterfield Code.

2. Ornamental Entrance Monument construction, if proposed, shall be reviewed by the City of Chesterfield, and/or MoDOT, for sight distance considerations prior to installation or construction.

H. LIGHT REQUIREMENTS

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I. ARCHITECTURAL

The development shall adhere to the Architectural Review Standards and the "WH" Overlay District of the City of Chesterfield Code.

J. ACCESS/ACCESS MANAGEMENT

Access to the development shall be as shown on the Preliminary Plan attached hereto and marked as Attachment B, and adequate sight distance shall be provided, as directed by the City of Chesterfield and the Missouri Department of Transportation, as applicable.

minutes 01 seconds East, 0.41 feet; thence along the western line of said Wilmas tract, South 12 degrees 36 minutes 00 seconds East, 134.45 feet; thence departing last said western line the following courses and distances: South 59 degrees 19 minutes 34 seconds West, 31.56 feet; South 12 degrees 36 minutes 00 seconds East, 15.26 feet and South 30 degrees 00 minutes 01 seconds East, 100.32 feet to the western line of said Wilmas tract; thence along said western line, South 12 degrees 36 minutes 00 seconds East, 172.34 feet to the Point of Beginning and containing 952,958 square feet or 21.876 acres more or less as per a survey by Stock & Associates Consulting Engineers, Inc. during March, 2014.

Section 2. The preliminary approval, pursuant to the City of Chesterfield Unified Development Code is granted, subject to all of the ordinances, rules and regulations and the specific conditions as recommended by the Planning Commission in its recommendation to the City Council, which are set out in the "Attachment A" and the preliminary plan indicated as "Attachment B" which is attached hereto as and made part of.

Section 3. The City Council, pursuant to the petition filed by Pulte Homes of St. Louis in P.Z. 09-2014, requesting the amendment embodied in this ordinance, and pursuant to the recommendation of the City of Chesterfield Planning Commission that said petition be granted and after a public hearing, held by the Planning Commission on the 27th day of October 2014, does hereby adopt this ordinance pursuant to the power granted to the City of Chesterfield under Chapter 89 of the Revised Statutes of the State of Missouri authorizing the City Council to exercise legislative power pertaining to planning and zoning.

Section 4. This ordinance and the requirements thereof are exempt from the warning and summons for violations as set out in Section 8 of the City of Chesterfield Unified Development Code.

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- 2. If adequate sight distance cannot be provided at the access location(s), acquisition of right-of-way, reconstruction of pavement and other off-site improvements may be required to provide the required sight distance as required by the City of Chesterfield and the agency in control of the right of way off which the access is proposed.
- 3. Secondary access to the development shall be provided as directed by the City of Chesteriield and Monarch Fire Protection District.
- 4. No lot shall be allowed direct access to Wild Horse Creek Road. K. PUBLIC/PRIVATE ROAD IMPROVEMENTS. INCLUDING PEDESTRIAN
- CIRCULATION 1. Oak Ridge Lane shall be a public street and shall not be gated.
- 2. Provide street connections and right-of-way to the adjoining properties as shown on the Preliminary Plan attached hereto and marked as Attachment B and as
- 3. Stub streets shall conform to the requirements set forth in Article 4 of the Unified Development Code.
- 4. All roadway and related improvements in each plat or phase of the development shall be constructed prior to issuance of building permits exceeding 60% for that plat or phase. Delays due to utility relocation and/or adjustment, for which the developer is responsible monetarily, shall not constitute a cause to issue permits in excess of 60%.
- 5. Obtain approvals from the City of Chesterfield and the Missouri Department of Transportation and other entities as necessary for locations of proposed curb cuts and access points, areas of new dedication, and roadway improvements.
- 6. Additional right-of-way and road improvements shall be provided, as required by the Missouri Department of Transportation and the City of Chesterfield.
- 7. Provide a 5 foot wide sidewalk, conforming to ADA standards, along Wild Horse Creek Road. The sidewalk shall provide for future connectivity to adjacent developments and/or roadway projects. The sidewalk may be located within rightof-way controlled by another agency, if permitted by that agency or on private property within a 6 foot wide sidewalk, maintenance and utility easement dedicated to the City of Chesterfield.
- 8. Provide an on-site pedestrian walking trail and community recreation area as shown on the Preliminary Plan attached hereto and marked as Attachment B.
- 9. Any work within MoDOT's right of way will require a MoDOT permit.

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directed by the City of Chesterfield and the Missouri Department of Transportation.

Section 5. This ordinance shall be in full force and effect from and after its passage and approval.

Passed and approved this _____ day of ___ February_, 2015 Bub Nation

ATTEST:

FIRST READING HELD: 01/21/2015

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10. The entrance geometrics and drainage design shall be in accordance with MoDOT standards and shall be reviewed and approved by MoDOT.

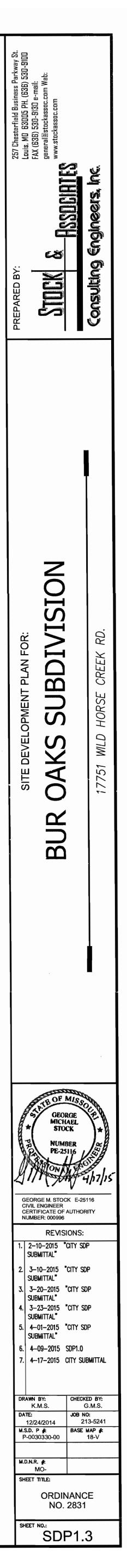
- 11. The petitioner shall provide adequate detention and/or hydraulic calculations for review and approval of all storm water that will affect MoDOT right of way.
- 12. All drainage detention storage facilities shall be placed outside of the standard governmental agencies' planning and zoning setbacks, or 15 feet from the new or existing right of way line, whichever is greater.
- 13. All proposed work in MoDOT right of way must comply with MoDOT standards specifications, conform to MoDOT's Access Management Guidelines with detailed construction plans being received and approved by MoDOT.
- 14. The proposed driveway location is subject to meet MoDOT's sight distance criteria and Access Management Engineering Policy.
- 15. All sidewalk and pedestrian facilities within MoDOT right of way must meet the ADA standards.
- 16. A left turn lane will need to be constructed for access to this subdivision from Wild Horse Creek Road as directed by MoDOT and the City of Chesterfield.

L. TRAFFIC STUDY

- 1. A traffic study may be required as directed by the City of Chesterfield and/or MoDOT. The scope of the study shall include internal and external circulation and may be limited to site specific impacts, such as the need for additional lanes, entrance configuration, geometrics, sight distance, traffic signal modifications or other improvements required, as long as the density of the proposed development falls within the parameters of the City's traffic model. Should the density be other than the density assumed in the model, regional issues shall be addressed as directed by the City of Chesterfield.
- MoDOT may require a scoping meeting to discuss what type of traffic analysis will be needed to determine the necessary roadway improvements. A traffic impact study may be required to assess the impacts of the proposed development to the state highway system.

M. POWER OF REVIEW

Either Councilmember of the Ward where a development is proposed or the Mayor may request that the plan for a development be reviewed and approved by the entire City Council. This request must be made no later than twenty-four (24) hours after Planning Commission review. The City Council will then take appropriate action relative to the proposal. The plan for a development, for purposes of this section, may include the site development plan, site development section plan, site development concept plan, landscape plan, lighting plans, architectural elevations, sign package or any amendment thereto.



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N. STORM WATER

1. The site shall provide for the positive drainage of storm water and it shall be discharged at an adequate natural discharge point(s) or an adequate piped system(s). The adequacy and condition of the existing downstream system(s) shall be verified and upgraded as necessary.

2. Storm water quantity management, channel protection, and water quality improvements shall be provided as required by the Metropolitan St. Louis Sewer District (MSD), Missouri Department of Transportation (MoDOT), St. Louis County, the Monarch Chesterfield Levee District, and the City of Chesterfield. The location and types of storm water management facilities shall be identified on all Site Development and Improvement Plans.

- 3. Emergency overflow drainage ways to accommodate runoff from the 100-year storm event shall be provided for all storm sewers, as approved by the City of Chesterfield.
- 4. Offsite storm water shall be picked up and piped to an adequate natural discharge point. Such bypass systems must be adequately designed.
- 5. The lowest opening of all structures shall be set at least two (2) feet higher than the one hundred (100) year high water elevation in detention/retention facilities. All structures shall be set at least thirty (30) feet horizontally from the limits of the one hundred (100) year high water.
- 6. Locations of site features such as lakes and detention ponds must be approved by the City of Chesterfield and the MSD.
- 7. Storm water control easements are required as detailed in Article 4 of the Unified Development Code.
- 8. The developer shall be responsible for construction of any required storm water improvements per the Chesterfield Valley Master Storm Water Plan. as applicable and shall coordinate with the owners of the properties affected by construction of the required improvements. In the event that the ultimate required improvements cannot be constructed concurrently with this development, the developer shall provide interim drainage facilities and establish sufficient escrows as guarantee of future construction of the required improvements, including removal of interim facilities. Interim facilities shall be sized to handle runoff from the 100-year. 24hour storm event as produced by the Master Storm Water Plan model. The interim facilities shall provide positive drainage and may include a temporary pump station. if necessary. Interim facilities shall be removed promptly after the permanent storm water improvements are constructed.

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III. COMMENCEMENT OF CONSTRUCTION

A. Substantial construction shall commence within two (2) years of approval of the Site Development Plan, unless otherwise authorized by ordinance.

B. Where due cause is shown by the developer, the City Council may extend the period to commence construction for not more than two (2) additional years.

IV. GENERAL CRITERIA

City Council 2/02/2015

A. SITE DEVELOPMENT PLAN SUBMITTAL REQUIREMENTS

The Site Development Plan shall include, but not be limited to, the following: 1. Location map, north arrow, and plan scale. The scale shall be no greater than one

Outboundary plat and legal description of property.

(1) inch equals one hundred (100) feet.

Density calculations.

4. Parking calculations. Including calculation for all off street parking spaces, required and proposed, and the number, size and location for handicap designed.

- 5. Provide open space percentage for overall development including separate percentage for each lot on the plan.
- Provide Floor Area Ratio (F.A.R.).
- 7 A noto indicating all utilities will be installed underground,
- A note Indicating signage approval is separate process.

9. Depict the location of all buildings, size, including height and distance from adjacent property lines, and proposed use.

- Specific structure and parking setbacks along all roadways and property lines.
- 11. Indicate location of all existing and proposed freestanding monument signs.
- 12. Zoning district lines, subdivision name, lot number, dimensions, and area, and zoning of adjacent parcels where different than site.
- 13. Floodplain boundaries.

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9. The developer may elect to propose alternate geometry, size and/or type of storm water improvements that are functionally equivalent to the required improvements per the Chesterfield Valley Master Storm Water Plan. Functional equivalence is said to be achieved when, as determined by the Public Works Director, the alternate proposal provides the same hydraulic function, connectivity, and systemwide benefits without adversely affecting any of the following: water surface profiles at any location outside the development; future capital expenditures; maintenance obligations; equipment needs; frequency of maintenance; and probability of malfunction. The City will consider, but is not obligated to accept, the developer's alternate plans. If the Public Works Director determines that the developer's proposal may be functionally equivalent to the Chesterfield Valley Master Storm Water Plan improvements, hydraulic routing calculations will be performed to make a final determination of functional equivalence. The Director will consider the developer's proposal, but is not obligated to have the hydraulic analysis performed if any of the other criteria regarding functional equivalence will not be met. The hydraulic routing calculations regarding functional equivalence may be performed by a consultant retained by the City of Chesterfield. The developer shall be responsible for all costs related to consideration of an alternate proposal, which shall include any costs related to work performed by the consultant.

10. All Chesterfield Valley Master Storm Water Plan improvements, as applicable, shall be operational prior to the paving of any driveways or parking areas unless otherwise approved.

11. Formal project development plans, shall be submitted to MSD for review, approval. and permits. The development shall be designed in accordance with the MSD Rules and Regulations and Engineering Design Requirements for Sanitary Sewer and Drainage Facilities that apply at the time of formal submission to MSD.

12. Easement to MSD will be required for any public sewers. The project is located within the Caulks Creek Impact area and is subject to applicable fees.

13. Storm water guality, channel protection, and flood detention requirements will apply. This development will be considered "new development", and controls shall be designed and implemented to reasonably mimic pre-construction runoff conditions (including runoff volume) to the maximum extent practicable. MSD will assess storm water quality and flood detention effectiveness based on the site's January 2000 pre-construction condition.

14. To comply with the region's MS4 Permit, site characteristics should be considered upfront to ensure adequate planning for storm water compliance. A pre-existing natural resources plan should be prepared and used to guide development layout and location of storm water facilities.

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- 14. Depict existing and proposed improvements within 150 feet of the site as directed, Improvements include, but are not limited to, roadways, driveways and walkways adjacent to and across the street from the site, significant natural features, such as wooded areas and rock formations, and other karst features that are to remain or be removed.
- 15. Depict all existing and proposed easements and rights-of-way within 150 feet of the site and all existing or proposed off-site easements and rights-of-way required for proposed improvements.
- 16. Indicate the location of the proposed storm sewers, detention basins, sanitary sewers and connection(s) to the existing systems.
- 17. Depict existing and proposed contours at intervals of not more than one (1) foot. and extending 150 feet beyond the limits of the site as directed.
- 18. Address trees and landscaping in accordance with the City of Chesterfield Code.
- 19. Comply with all preliminary plat requirements of the City of Chesterfield Subdivision Regulations per the City of Chesterfield Code. 20. Signed and sealed in conformance with the State of Missouri Department of
- Economic Development, Division of Professional Registration, Missouri Board for Architects, Professional Engineers and Land Surveyors requirements.
- 21. Provide comments/approvals from the appropriate Fire District, Monarch Levee District, Spirit of St. Louis Airport, Metropolitan St. Louis Sewer District (MSD) and the Missouri Department of Transportation.

22. Compliance with City Exposure Flane.

23. Compliance with the current Metropolitan Sewer District Site Guidance as adopted by the City of Chesterfield.

V. TRUST FUND CONTRIBUTION

A. ROADS

The developer shall contribute a Traffic Generation Assessment (TGA) to the Eatherton - Kehrs Mill Road Trust Fund (Trust Fund No. 552). This contribution shall not exceed an amount established by multiplying the ordinance-required parking space by the following rate schedule:

Type of Development Required Contribution \$1,055.10/Parking Space Single Family

(Parking spaces as required by the site-specific ordinance or by Section 1003.165 of the St. Louis County).

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15. The drainage areas tributary to each bio-retention cell should be limited to five (5) acres in order to preserve BMP performance and filter longevity. Pretreatment is also required for the point discharges into these facilities. If these items place constraints on the design. MSD encourages the developer to explore methods for reducing impervious area and land disturbance as well as distributing BMPs into other site features located within green space in an effort to minimize water quality impacts and runoff volume generation on the site.

- 16. Sewers draining into the Chicago Rock Island and Pacific Railroad right-of-way may require approvals and licenses from them.
- 17. MoDOT approval will be required prior to formal MSD plan approval for public sewer construction located within the Wild Horse Creek Road right-of-way.

O. SANITARY SEWER

- 1. Sanitary sewers and pump stations shall be as approved by the Metropolitan St. Louis Sewer District and the City of Chesterfield.
- 2. The proposed public gravity sewer and sanitary pump station shall be designed and configured such that non-sewered offsite properties may connect to it.
- 3. The receiving sanitary sewer system(s) shall be evaluated to ensure adequate capacity and to ensure the project has no negative impacts to the existing
- 4. Easement to MSD will be required for any public sewers. The project is located in the Caulks Creek Impact area and subject to applicable fees.

P. GEOTECHNICAL REPORT

Prior to Site Development Plan approval, the developer shall provide a geotechnical report, prepared by a registered professional engineer licensed to practice in the State of Missouri, as directed by the City of Chesterfield. The report shall verify the suitability of grading and proposed improvements with soil and geologic conditions and address the existence of any potential sinkhole, ponds, dams, septic fields, etc., and recommendations for treatment. A statement of compliance, signed and sealed by the geotechnical engineer preparing the report, shall be included on all Site Development Plans and Improvement Plans.

Q. MISCELLANEOUS

- 1. Historic Markers shall be included in the development in recognition of the historic significance of the property. Details and location shall be approved by the City of Chesterfield during Site Development Plan review.
- 2. All utilities shall be installed underground

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If types of development proposed differ from those listed, rates shall be provided by the St. Louis County Department of Highways and Traffic.

Allowable credits for required roadway improvements will be awarded as directed by the St. Louis County Department of Highways and Traffic and the City of Chesterfield. Sidewalk construction and utility relocation, among other items, are not considered allowable credits.

Traffic Generation Assessments shall be paid prior to issuance of building permits. Payment shall be made to Treasure, St. Louis County.

As this development is located within a trust fund area established by St. Louis County. any portion of the traffic generation assessment contribution which remains following completion of road improvements required by the development shall be retained in the appropriate trust fund.

The amount of the required contribution, if not approved for construction by January 1, 2015 shall be adjusted on that date and on the first day of January in each succeeding year thereafter in accord with the construction cost index as determined by St. Louis County Department of Highways and Traffic.

VI. RECORDING

Within sixty (60) days of approval of any development plan by the City of Chesterfield, the approved Plan will be recorded with the St. Louis County Recorder of Deeds. Failure to do so will result in the expiration of approval of said plan and require re-approval of a plan by the Planning Commission.

VII. ENFORCEMENT

A. The City of Chesterfield, Missouri will enforce the conditions of this ordinance in accordance with the Plan approved by the City of Chesterfield and the terms of this Attachment A.

- B. Failure to comply with any or all the conditions of this ordinance will be adequate cause for revocation of approvals/permits by reviewing Departments and Commissions.
- C. Non-compliance with the specific requirements and conditions set forth in this Ordinance and its attached conditions or other Ordinances of the City of Chesterfield shall constitute an ordinance violation, subject, but not limited to, the penalty provisions as set forth in the City of Chesterfield Code.
- D. Waiver of Notice of Violation per the City of Chesterfield Code.
- E. This document shall be read as a whole and any inconsistency to be integrated to carry out the overall intent of this Attachment A.

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> 3. Prior to record plat approval, the developer shall cause, at his expense and prior to the recording of any plat, the reestablishment, restoration or appropriate witnessing of all Corners of the United States Public Land Survey located within, or which define or lie upon, the out boundaries of the subject tract in accordance with the Missouri Minimum Standards relating to the preservation and maintenance of the United States Public Land Survey Corners, as necessary.

- 4. Prior to final release of subdivision construction deposits, the developer shall provide certification by a registered land surveyor that all monumentation depicted on the record plat has been installed and United States Public Land Survey Corners have not been disturbed during construction activities or that they have been reestablished and the appropriate documents filed with the Missouri Department of Natural Resources Land Survey Program, as necessary.
- 5. Road improvements and right-of-way dedication shall be completed prior to the issuance of an occupancy permit. If development phasing is anticipated, the developer shall complete road improvements, right-of-way dedication, and access requirements for each phase of development as directed by MoDOT and/or the City of Chesterfield. As previously noted, the delays due to utility relocation and adjustments will not constitute a cause to allow occupancy prior to completion of road improvements.
- 6. Spirit of St. Louis Airport's existing FAA Part 150 Airport Noise Compatibility Study recommends that housing developments are not compatible with airport operations if the noise level at the subject site is greater than 65 DNL. The proposed development lies just outside the 65 DNL noise contour. A notation shall be placed on all plans regarding this development that clearly states the project is approximately 2,000 feet away from Spirit's Runway 26L and therefore aircraft noise will be noticeable at the site on a daily basis.
- II. TIME PERIOD FOR SUBMITTAL OF SITE DEVELOPMENT PLANS
- A. The developer shall submit a Site Development Plan within eighteen (18) months of City Council approval of the change of zoning.
- B. Failure to comply with these submittal requirements will result in the expiration of the change of zoning and will require a new public hearing.
- C. Said Plan shall be submitted in accordance with the combined requirements for Site Development Section and Concept Plans. The submission of Amended Site Development Plans of this project to the Planning Commission shall be permitted if this option is utilized.
- D. Where due cause is shown by the developer, the City Council may extend the period to submit a Site Development Plan for eighteen (18) months.

Pulte Homes of St. Louis, LLC _____, the owner(s) of the property shown on this plan for and in [Name of Owner(s)] consideration of being granted approval of said plan to develop property under the provisions of Section 03. (applicable subsection) (present zoning)

Chesterfield Unified Development Code, do hereby agree and declare that said property from the date of recording this plan shall be developed only as shown thereon, unless said plan is amended by the City of Chesterfield, or voided or vacated by order of ordinance of the City of Chesterfield Council.

		(Signature):
		(Name Typed):
State of)) SS.	• • • •
On this day of	_/	, A.D., 20, before me personally appeared
		, to me known, who, being by me sworn in, did say

(Officer of Corporation) of Pulte Homes of St. Louis, LLC, a that he/she is the

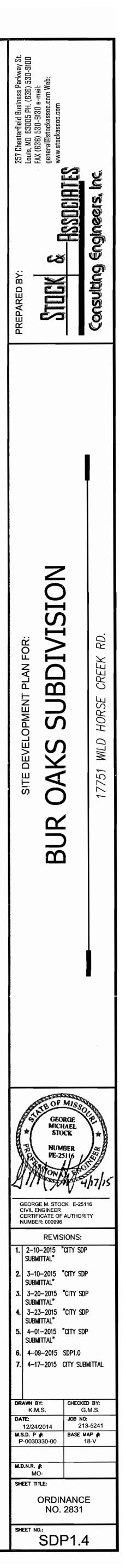
(Name of Corporation) corporation in the State of and that the seal affixed to the foregoing instruments is the corporate seal of said corporation, and that said instrument was signed on behalf of said corporation by authority of its Board of Directors, and the said____

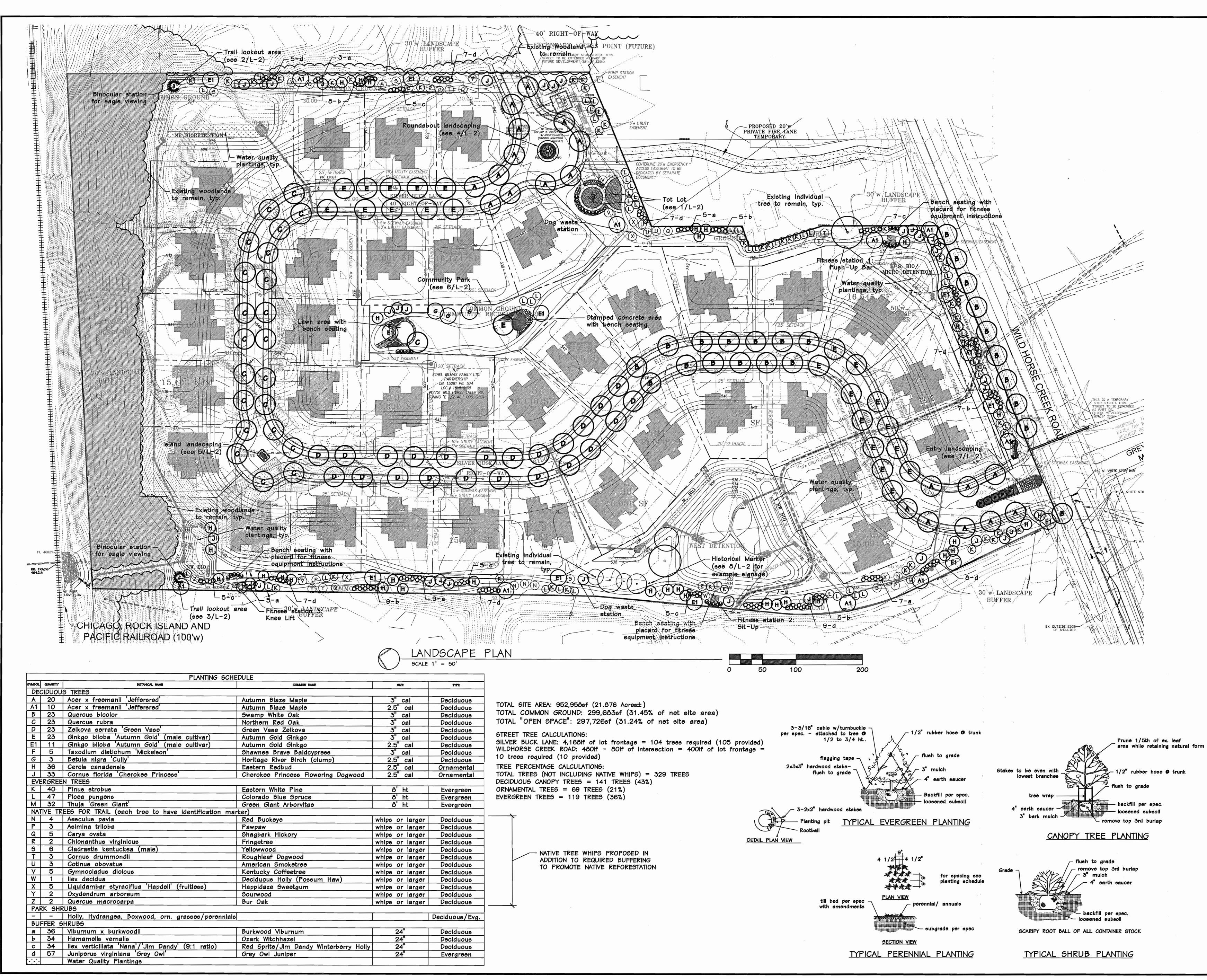
(Officer of Corporation) acknowledged said instrument to be the free act and deed of said corporation.

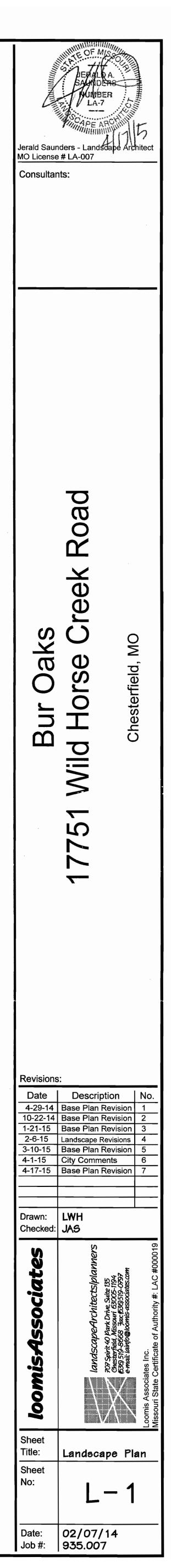
This Site Development Plan was approved by the City of Chesterfield Planning Commission and _____, 20, by the Chairperson of said duly verified on the day of Commission, authorizing the recording of this Site Development Plan pursuant to Chesterfield Ordinance Number 200, as attested to by the Planning and Development Services Director and the City Clerk.

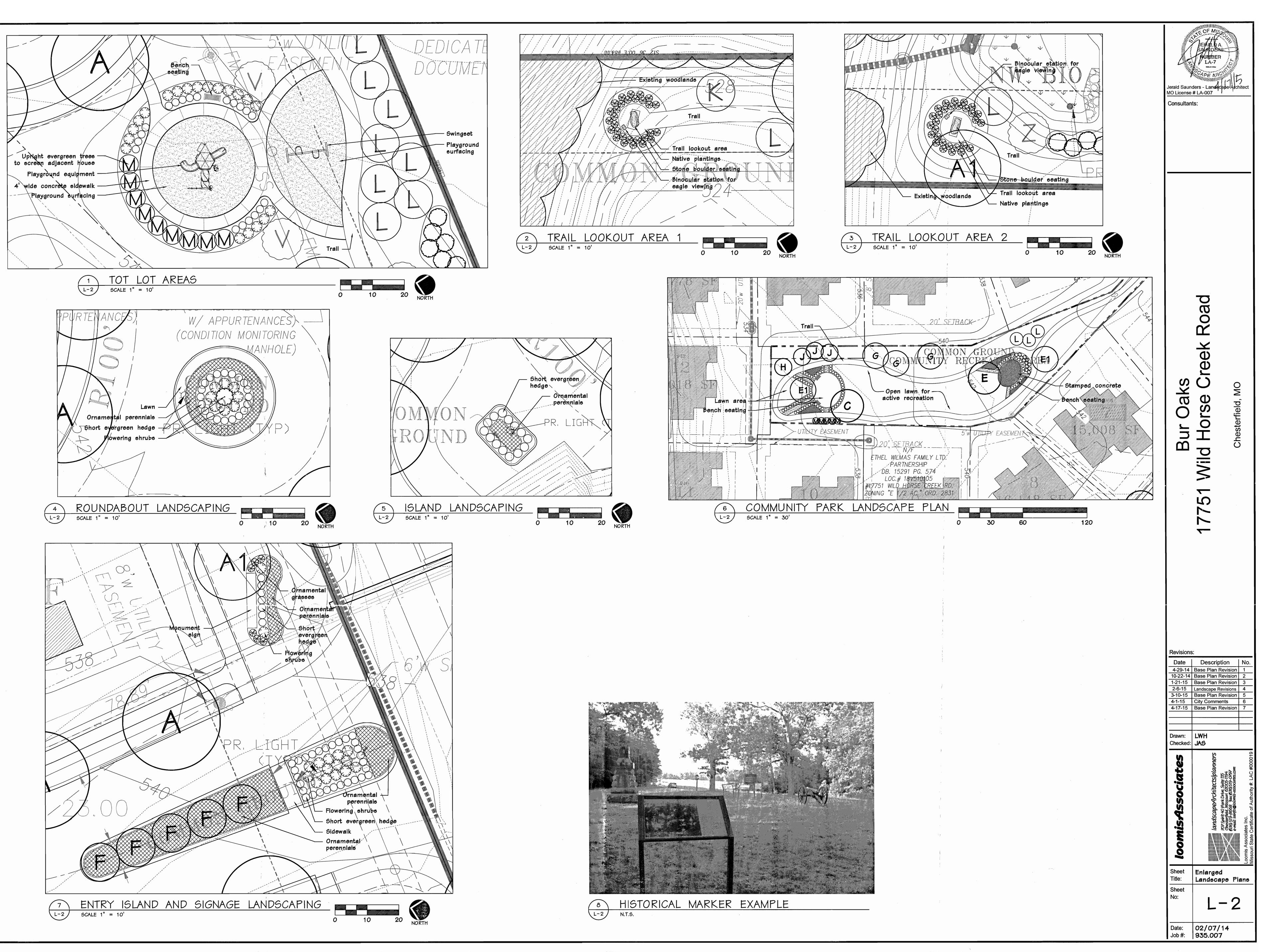
Aimee Nassif, AICP Planning and Development Services Director City of Chesterfield, Missouri

Vickie Hass, City Clerk City of Chesterfield, Missouri Page 8 of 11

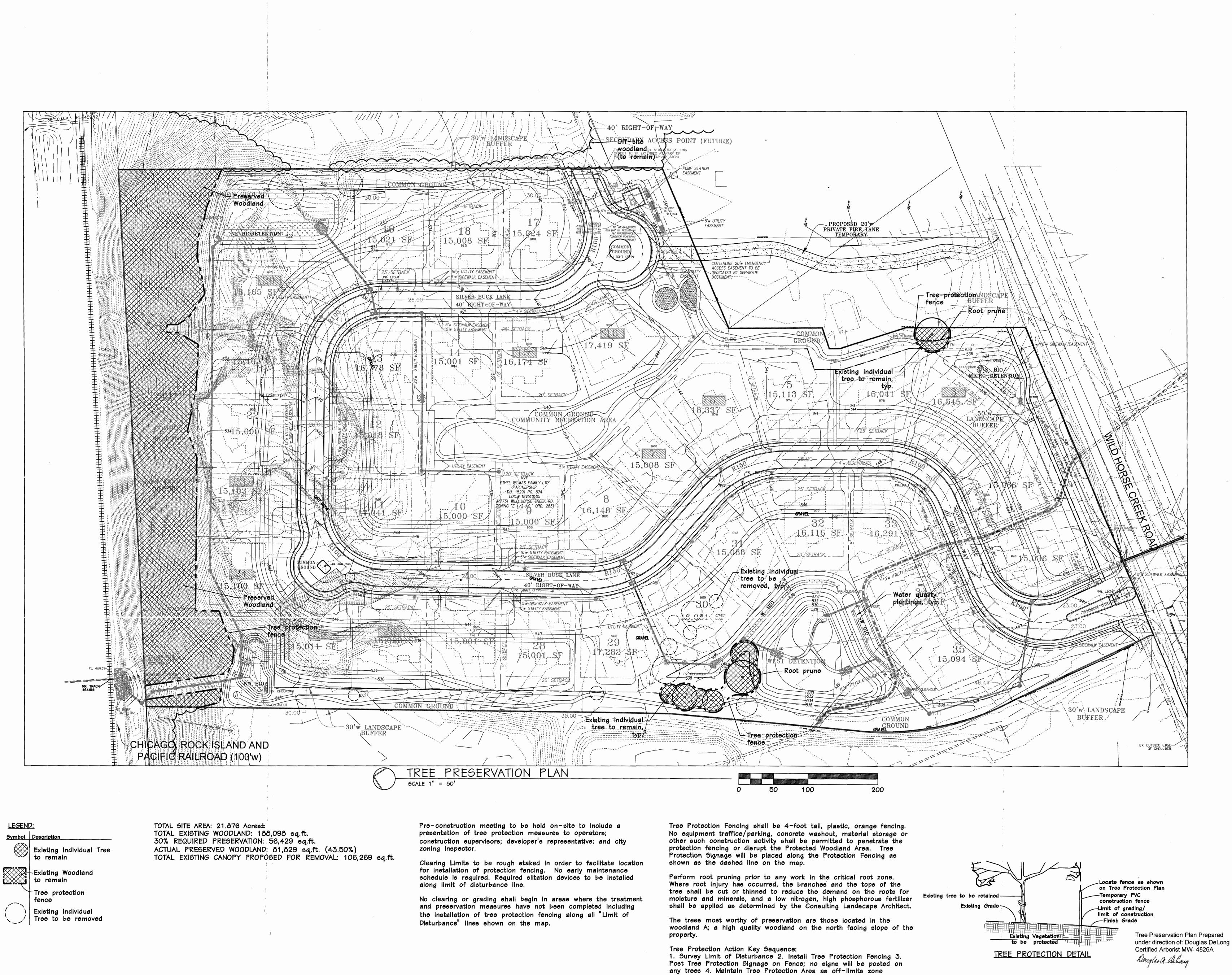




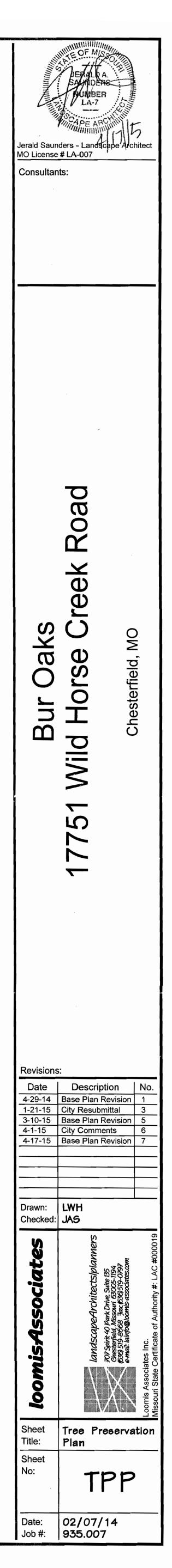


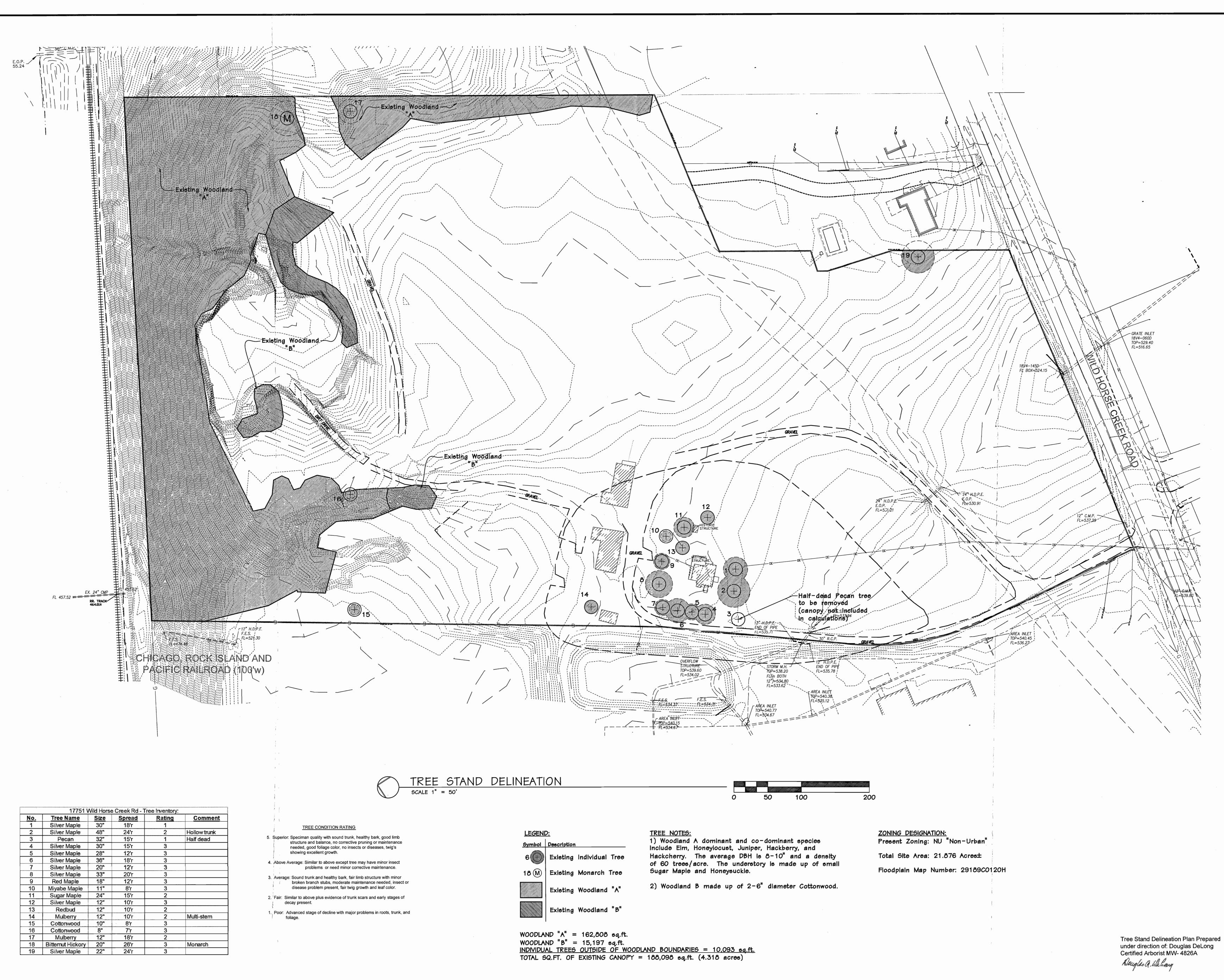


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Symbol	Description
6	Existing Individual Tree
18 M	Existing Monarch Tree
	Existing Woodland "A"
	Existing Woodland "B"

