

**ZONING CHANGE REVIEW SHEET**

**CASE:** C814-2015-0074  
(The Grove at Shoal Creek Planned Unit Development)

**Z.A.P. DATE:** December 1, 2015  
May 17, 2016  
June 7, 2016  
June 21, 2016

**ADDRESS:** 4205 Bull Creek Road

**DISTRICT AREA:** 10

**OWNER:** ARG Bull Creek, Ltd. (Garrett Martin)

**AGENT:** Thrower Design (A. Ron Thrower)

**ZONING FROM:** Unzoned (UNZ)    **TO:** PUD    **AREA:** 75.74 acres

**SUMMARY STAFF RECOMMENDATION:**

The staff recommendation is to approve The Grove at Shoal Creek Planned Unit Development (PUD) subject to the following conditions:

1. The Planning and Zoning staff recommends PUD zoning as requested subject that the following additional conditions be incorporated in the proposed Land Use Plan (Exhibit C):
  - a) The total square footage of all development within the PUD shall not exceed 2.4 million square feet.
  - b) The total square footage of all office development within the PUD shall not exceed 210,000 square feet.
  - c) The total square footage of all retail/commercial development shall not exceed 150,000 square feet.
  - d) The total number of congregate care beds shall not exceed 300.
  - e) At least 30,000 square feet of retail development shall be required once 700 units of residential development are constructed before any additional residential development can occur on the property.
  - f) At least 35% of the total required affordable rental units shall be provided once 325 multifamily residential units are constructed before any additional multifamily residential units may be constructed. At least 35% of the total required affordable for-sale residential units shall be provided once 100 condominium residential units are constructed in a "podium style" condominium residential building before any additional condominium residential units may be constructed.
  - g) 130,000 square feet of development may be used for Tier 2 affordable housing that is separate from and does not count against the overall development cap of 2.4 million square feet.
  - h) The staff recommends a baseline of 1.892 million square feet.
2. The conditions of the PUD shall be established in the proposed Land Use Plan (Exhibit C), that includes a breakdown of: a) tract layout and size/acreages, b) permitted land use tables, c) site development regulations table, d) additional setbacks on specific tracts, e) approximate driveway and trail locations, , f) notes on limitations of uses, conditions on site development regulations, definitions, provision for public art installation, conditions for a proposed pedestrian and bicycle bridge, and benefits to encourage alternative transportation options.

3. The PUD shall be subject to the conditions regarding the riparian grow zone, CEF buffer area, wet pond surface area, detention infiltration feature, wetland fringe and upland infiltration feature as agreed to on the Environmental Resource Exhibit (Exhibit F). The proposed PUD shall comply with the Environmental staff recommendations that include:
  - a. The PUD will provide at least 18.12 acres of open space.
  - b. The PUD will exceed minimum Code requirements for landscaping through The Grove at Shoal Creek Design Guidelines by requiring a minimum of three-inch caliper street trees on all internal roadways, requiring street trees along Bull Creek and requiring that a minimum of 95% of all non-turf plan materials be from or consistent with the City's Grow Green Guide.
  - c. Provide that a minimum of ten acres of impervious cover on the site will drain to and be substantially treated by green water quality controls that infiltrate or reuse water, such as rain gardens and rainwater harvesting.
  - d. Use of a wet pond and/or green water quality controls for a minimum of 50% of the required water quality volume on-site.
  - e. Preserve a minimum of 75% of all protected size native caliper inches and prepare a tree care plan for all preserved heritage and protected trees on site.
  - f. Provide additional protections for the grove of trees surrounding the proposed wet pond.
  - g. Cluster development/impervious cover along Bull Creek Road and in the interior of the property away from Shoal Creek and the larger oak groves on the property to avoid environmentally sensitive areas.
  - h. Direct storm water runoff from impervious surfaces to a landscaped area at least equal to the total required landscape area.
  - i. Provide on-site detention for the 9.39 acres of existing impervious cover on site that is not currently detained.
  - j. The City of Austin Watershed Protection Department will choose the most effective flood mitigation option for the site at the time of subdivision or site plan review.
  - k. Provide educational signage at the wetland Critical Environmental Feature.
  - l. Implement an Integrated Pest Management Plan for the whole property.
4. The development of the PUD shall comply with the conditions stipulated in the Parks Plan Exhibit (Exhibit G) subject to the following conditions: 1) The Flex Park Space will be placed in the Signature Park., 2) A note will be added providing a trail connection from the Shoal Creek Trail to Jefferson Street., 3) The required parkland table should reflect the correct number of residential units and congregate care units with kitchens. The applicant shall provide for parkland for park and recreational purposes under the terms of The Grove at Shoal Creek Parks Plan and Parkland Improvement Agreement as attached exhibits to the PUD ordinance.
5. The development of the PUD site will be subject to the attached TIA memorandum from the Development Review Development (DRD) Department and Austin Transportation Department (ATD) dated March 25, 2016 – Exhibit M. The TIA memo limits the site development to uses and intensities that will not exceed or vary from the projected traffic conditions assumed in the final TIA [R-K Traffic Engineering, LLC – February 2, 2016]. The proposed conceptual right-of-way layout, major vehicle circulation and pedestrian and bicycle connections are shown on the Roadway Framework Plan (Exhibit H).

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6. Development within the PUD shall comply with the Tree Survey & Disposition Plan (Exhibit J). A representation of the applicant's proposal for tree mitigation on the site is shown on Tree Mitigation Example conceptual plan and table (Exhibit L).
7. The PUD zoning will be subject to draft language agreed upon with the Neighborhood Housing and Community Development Department (NHCD) concerning compliance with the affordable housing on the property. The project has been certified under SMART Housing and the PUD language will require 5% of permanent ownership units and 10% of the rental for 40 years. They will receive a 100% fee waiver. Ten percent of the total number of multifamily rental housing units located within the Grove at Bull Creek PUD will be set aside for occupancy by households with incomes at 60 percent of or below the median family income. At least 5 percent of the total number of units sold as owner-occupied residential housing units located within the Grove at Bull Creek PUD will, through a mechanism agreed upon by the City and Landowner, be made permanently available at a price affordable to households with incomes at 80 percent of or below the median family income. NHCD and the developer have signed off on the attached language stated in the, The Grove at Bull Creek PUD Affordable Housing Program – Exhibit N.

The applicant agrees with the staff's recommendation.

**ENVIRONMENTAL COMMISSION MOTION:**

November 4, 2015: Motion to postpone the case to December 16, 2015, with a briefing on the status of the review to be presented at the November 18, 2015 meeting (8-1, H. Smith-abstain); M. Perales-1<sup>st</sup>, M. Neely-2<sup>nd</sup>.

December 16, 2015: Refer case to Development Committee when the staff review and recommendation is complete.

May 18, 2016: Refer case to Development Committee when the staff review and recommendation is complete.

June 1, 2016: Motion to postpone the case to June 15, 2016 to negotiate and find resolution of the following:

1. Obtain superiority in regards to parkland by working with the Parks and Recreation Board and the Park and Recreation Department;
2. Comply with at least three star green building requirements;
3. Create a drainage plan to ensure the safety of the surrounding properties;
4. Draft contingency plan to address unresolved drainage issues after the site is built out;
5. Remove flex space from the parkland;
6. Evaluate the impact that increased traffic to the site would have on air quality and noise pollution;
7. Protect 100% of the critical root zone of all trees on the site;
8. List all the trees on the property including those 8" – 19";
9. Evaluate the potential to tie in public transit to the site and develop other incentives to significantly reduce the number of car trips per day; and
10. Reduce the total development to 2.1 million square feet.
11. Work with staff to develop a plan to conduct an erosion control study along the entire length of the development's Shoal Creek frontage.

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(Vote: 6-4-1, Gooch, Maceo, Perales, Neely, Guerrero, Thompson – For; B. Smith, Creel, Moya, Grayum-No; H. Smith-abstain); P. Maceo-1<sup>st</sup>, M. Neely-2<sup>nd</sup>.

June 15, 2016: Motion to state that the Grove at Shoal Creek PUD is found to lack of environmental superiority. The Environmental Commission included recommendations regarding the amount and arrangement of parkland, green building requirements, drainage system, air quality impacts, tree protection, density level and erosion controls for the applicant to achieve environmental superiority (6-4, Gooch, Maceo, Perales, Neely, Guerrero, Thompson-For; B. Smith, Creel, Moya, Grayum-No; H. Smith-absent); P. Maceo-1<sup>st</sup>, M. Neely-2<sup>nd</sup>.

#### **PARKS AND RECREATION BOARD:**

May 24, 2016: Affirmed the PARD (Parks and Recreation Department) staff findings that The Grove at Shoal Creek Planned Unit Development application, as currently submitted on March 28, 2016, is not superior in relation to parks (Vote: 6-1-1-3 with Board Member Casias-against, Board Member Schmitz-abstaining, and Board Members Donovan, Vane and Wimberly-absent).

#### **ZONING AND PLATTING COMMISSION MOTION:**

December 1, 2015: Postponed indefinitely at the staff's request by consent (10-0); B. Evans-1<sup>st</sup>, S. Harris-2<sup>nd</sup>.

May 17, 2016: Postponed indefinitely at the staff's request by consent (7-3, A. Aguirre-absent, B. Evans, S. Lavani, S. Harris-No); G. Rojas-1<sup>st</sup>, J. Kiolbassa-2<sup>nd</sup>.

June 7, 2016: Postponed to June 21, 2016 at the staff's request (7-1, D. Breithaupt, J. Kiolbassa, S. Lavani-absent and A. Aguirre-No); B. Evans-1<sup>st</sup>, S. Harris-2<sup>nd</sup>.

#### **EXHIBITS AND ATTACHMENTS TO THE STAFF REPORT:**

Exhibit A: Zoning Map  
Exhibit B: Aerial Map  
Exhibit C: The Grove at Shoal Creek Land Use Plan  
Exhibit D: Tier 1 and Tier 2 Compliance Summary  
Exhibit E: Proposed Code Modifications  
Exhibit F: Environmental Resource Exhibit  
Exhibit G: Parks Plan Exhibit  
Exhibit H: Roadway Framework Plan  
Exhibit I: Conceptual Site Plan  
Exhibit J: Tree Survey and Disposition Plan  
Exhibit K: Educational Impact Statement (EIS)  
Exhibit L: Tree Mitigation Example  
Exhibit M: TIA memorandum dated March 25, 2016  
Exhibit N: Affordable Housing Program Language  
Exhibit O: Staff Baseline Map  
Exhibit P: Additional Review Information Provided by the Applicant  
Exhibit Q: Written Comments from the Public  
Exhibit R: Parks & Recreation Board Recommendation



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Exhibit S: Environmental Commission Motion  
Exhibit T: Additional Information Received

**DEPARTMENT COMMENTS:**

The proposed The Grove at Shoal Creek Planned Unit Development (PUD) is generally located on Bull Creek Road at 45<sup>th</sup> Street. The property in question was previously owned by the State of Texas and therefore is listed as "UNZ" or unzoned on the zoning case map (please see Exhibits A and B: Zoning Map and Aerial Map). There are undeveloped areas along the north and east portions of the property. The south and west portions of the site are developed with state owned office buildings with parking facilities. Surrounding properties are primarily a mix of residential and office uses. The site under consideration is adjacent to single family residences to the north (SF-2 zoning) and south (SF-3 zoning). There are apartments and a senior living center to the west (MF-6-CO, MF-4 and GO-MU-CO zoning). The property directly to the east is unzoned and is developed with an industrial warehouse facility for the State of Texas archives. Further to the east are single family residences (SF-2 zoning). The site is located in the Rosedale Neighborhood Planning area, which does not have an adopted neighborhood plan.

The property is located in the Shoal Creek watershed which is classified as urban. Therefore, the allowable impervious cover is governed by the allowable zoning impervious cover not watershed impervious cover. This tract of land is not located within the Edwards Aquifer recharge or contributing zones.

The applicant is requesting PUD district zoning for a 75.74 acre mixed use project. According to the Yield sheet from Transportation Impact Analysis (TIA) dated February 2016, the proposed PUD may include up to 110 single family residential units, 600 apartment units, 425 residential condo units, a 600 unit congregate care facility, a 7,500 sq. ft. health/fitness club, 200,00 sq. ft. of office uses, 25,000 sq. ft. of medical office uses, 55,000 sq. ft. of specialty retail uses, a 35,000 sq. ft. supermarket/food sales uses, 8,500 sq. ft. of pharmacy/drug store/general retail sales (convenience) uses, a 3,000 sq. ft. walk-in bank/financial services use, 8,000 sq. ft. of drinking place/cocktail lounge uses, 15,000 sq. ft. quality restaurant/restaurant (general) uses, 9,000 sq. ft. high turnover restaurant/restaurant (limited) uses, and a 2,000 sq. ft. coffee-donut shop without drive through use//restaurant (limited) use.

As shown in Exhibit C (Land Use Plan), the area has been divided into seven tracts:

- Tract A, a 7.02 acre area along the northern portion of the proposed PUD adjacent to the existing single family residences fronting W. 45<sup>th</sup> Street, and Tract E, a 6.17 acre area along the southeastern portion of the proposed PUD adjacent to the single-family residences fronting Idlewild Road, are primarily low density residential areas that permit single family residential uses through condominium/townhouse residential uses, as well as a Religious Assembly civic use.
- Tract B is a 33.77 acre area directly to the south of Tract A that fronts onto Bull Creek Road. It is the largest area within the PUD. Tract B traverses the width of the PUD property from the east along Shoal Creek to the west fronting Bull Creek Road across from 45<sup>th</sup> Street to Jackson Avenue. This tract is a mixed use area that will permit a wide range of uses from single family residential, multi-family residential to office, civic and more intensive

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commercial uses, such as Automotive Rentals/Sales/Washing, Cocktail Lounge, Exterminating Services, Outdoor Sports and Recreation and Research uses.

- Tract C, a 10.82 acre area, is located along the eastern edge of the PUD on Shoal Creek to the traveling to the southwest. It is bordered by Tract B to the north, Tract E to the southeast, Tract D to the immediate south and Tract G to the west. This tract of land will permit single family residential uses, multifamily residential uses, schools, religious assembly and other civic uses.
- Tract D is a 10.23 acre area that is located along the southern portion of the PUD. The tract fronts Bull Creek Road, across from the single-family residences/SF-3 zoning from W. 42<sup>nd</sup> Street to the south at about W. 40<sup>th</sup> Street. The applicant proposes to permit a mix of residential and civic uses with a live work units that will allow for office uses, art gallery and art workshop uses, counseling services, cultural services, day care services, financial services personal services, pet services, schools etc.
- Tracts F is a 3.42 acre area that fronts along Bull Creek Road, across from office/LO zoning and single family residences/SF-3 development from Jackson Street to W. 42 Street. Tract G is a 4.33 portion that is located within the central area of the PUD. Both Tracts F and G will permit the same uses: single family residential uses, multifamily residential uses, office uses, and lower intensity commercial uses such as art gallery/workshop, financial services, personal services and pet services as well as numerous civic uses. The notable difference between these two proposed tracts is allowable height. Tract F will have a maximum height of up to 40 feet, with a caveat that the height may be increased to a maximum of 60 feet for an affordable housing development with the Affordable Housing program. Tract G permits a maximum height of 60 feet outright.
- Currently, the proposed 18.12 acres of parkland and open space areas are interspersed throughout the project area over all of the Tracts within the PUD as a Signature Park, Shoal Creek Trail area, Greenbelt area and Neighborhood Park (Please see Exhibit G: Parks Plan Exhibit).

Per the Land Development Code, PUD district zoning was established to implement goals of preserving the natural environment, encouraging high quality development and innovative design, and ensuring adequate public facilities and services. The City Council intends PUD district zoning to produce development that achieves these goals to a greater degree than and thus is superior to development which could occur under conventional zoning and subdivision regulations.

City Council approved revisions to the PUD regulations that became effective June 29, 2008. To help evaluate the superiority of a proposed PUD, requirements are divided into two categories: Tier 1, which is requirements that all PUDs must meet, and Tier 2 which provides criteria in 13 topical areas in which a PUD may exceed code requirements and therefore demonstrate superiority. A PUD need not address all criteria listed under Tier 2, and there is no minimum number of categories or individual items required.

As more fully detailed on the Land Use Plan and in the Tier 1 and Tier 2 Compliance Summary (please refer to Exhibits C and D), this proposed PUD meets the applicable Tier 1 items and offers some elements of superiority in thirteen Tier 2 categories (*Open Space; Environment/Drainage; Art; Community Amenities, Transportation, Affordable Housing and Accessibility*).

***Proposed Code Modifications***

There are 27 modifications to Code and Criteria Manual requirements requested by the Applicant (please refer to Exhibit E – Proposed Code Modifications for details). These proposed modifications are summarized below:

- Chapter 25-1 (GENERAL REQUIREMENTS AND PROCEDURES), Article 2 (Definitions; Measurements), Section 25-1-21(103) (*Site*) – Revises the definition of Site to allow a site to cross a public street or right-of-way if that public street or right-of-way is within the boundaries of The Grove at Shoal Creek PUD.
- Chapter 25-1 (GENERAL REQUIREMENTS AND PROCEDURES), Article 14 (Parkland Dedication), Section 25-1-602 (*Dedication of Parkland Required*) and Section 25-4-211 (*Parkland Dedication*) – Specifies the parkland dedication and open space requirements. Modifies Section 25-1-602(A) (*Dedication of Parkland Required*) to state that the subdivider or site plan applicant shall provide for parkland for park and recreational purposes under the terms of The Grove at Shoal Creek Parks Plan and Parkland Improvement Agreement as attached exhibits to the PUD ordinance.
- Chapter 25-1 (GENERAL REQUIREMENTS AND PROCEDURES), Article 2 (Definitions; Measurements), Section 25-1-21(44) (*Gross Floor Area*) – Revises the definition of Gross Floor Area to apply this term to include the addition of parking structures.
- Chapter 25-2 (ZONING), Article 2 (Principal Use and Development Regulations), Section 25-2-492 (*Site Development Regulations*) – To propose that the site development regulations applicable to the Property be as shown on the Land Use Plan.
- Chapter 25-2 (ZONING), Article 2 (Principal Use and Development Regulations), Section 25-2-492 (*Site Development Regulations*) and Chapter 25-1 (GENERAL REQUIREMENTS AND PROCEDURES), Article 2 (Definitions; Measurements), Section 25-1-21 (47) (*Height*) – To request a modification to state that a parking level shall not be and is not considered a “story”.
- Chapter 25-2 (ZONING), Article 9 (Landscaping), Section 25-2-1006 (*Visual Screening*) – To state that Section 25-2-1006 (A) shall not apply to any water quality and/or storm water drainage facility that serves as an amenity or to any Green Storm Water Quality Infrastructure as defined in the Environmental Criteria Manual and that Section 25-2-1006 (C) shall not apply between uses or sites that are both located within the PUD boundaries. (Section 25-2-1006 (C) shall still apply at the boundaries of the PUD.)
- Chapter 25-2 (ZONING), Subchapter B (Zoning Procedures), Article 2 (Special Requirements for Certain Districts), Division 5 (Planned Unit Developments), Section 3.2.3.D.1 (*Planned Unit Development Regulations: Nonresidential Uses*) – To state that these conditions of the Code that require a minimum front yard and street side yard setbacks be at least 25 feet for a front yard and 15 feet for a street side yard shall not apply to the PUD.
- Chapter 25-2 (ZONING), Article 10 (Compatibility Standards) – To state that Compatibility Standards do not apply within the PUD. However, Compatibility



Standards will apply where development outside of the PUD triggers these standards for development within the PUD.

- Chapter 25-2 (ZONING), Article 10 (Compatibility Standards), Section 25-2-1063(*Height Limitations and Setbacks for Large Sites*)(C)(2) and (3) – To establish an area within Tract B where Section 25-2-1063(C)(2) shall not apply and where Section (C)(3) is modified to allow for a structure more than 50 feet but not more than 300 feet from the property zoned SF-5 or more restrictive to have a height up to 60 feet.
- Chapter 25-2 (ZONING), Article 10 (Compatibility Standards), Section 25-2-1067(G) (*Design Regulations*) and (H) – To state that this section of the Code does not apply to the Tract A for the construction of an alley, public road, trails and/or sidewalks.
- Chapter 25-2 (ZONING), Subchapter E (Design Standards and Mixed Use) – To request to that the requirements of Subchapter E not apply to the property within the PUD and to replace these conditions with the applicant's proposed The Grove at Shoal Creek Design Guidelines.
- Chapter 25-4 (SUBDIVISION), Section 25-4-132(B) (*Easements and Alleys*) – To modify this section so that loading and unloading may also occur in any alley that also services as a fire lane.
- Chapter 25-4 (SUBDIVISION), Section 24-4-153 (*Block Length*) – To request that this section not apply to the property within the PUD.
- Chapter 25-4 (SUBDIVISION), Section 24-4-157 (*Subdivision Access Streets*) – To request that this section that requires secondary street access not apply to the property within the PUD.
- Chapter 25-4 (SUBDIVISION), Section 24-4-171(A) (*Access to Lots*) – To modify this section so that to add that each lot in a subdivision may also abut a private street or private drive subject to a permanent access easement.
- Chapter 25-1 (GENERAL REQUIREMENTS AND PROCEDURES) and Chapter 25-4 (SUBDIVISION), Section 25-4-211 (*Parkland Dedication*) – To request that platting requirements for parkland dedication by modified so that it is governed by the conditions of the PUD ordinance/exhibits.
- Chapter 25-4 (SUBDIVISION), Section 25-4-151 (*Street Alignment and Connectivity*) – To state that notwithstanding the requirements of Section 25-4-151 that private drives and/or streets within the property may be aligned to connect to existing or future street on adjoining property.
- Chapter 25-4 (SUBDIVISION), Section 25-4-152 (A) (*Dead-End Streets*) – Adding to this requirement that a street may terminate in a connection with private drives and/or private streets within the property.
- Chapter 25-6 (TRANSPORTATION), Section 25-6-171(A) (*Standards for Design and Construction*) – To modify requirements so that a roadway, private drive street or alley must be designed and constructed in accordance with The Grove at Shoal Creek Design Guidelines. Stating that the Transportation Criteria Manual and City of Austin



Standards and Standard Specifications shall apply to the extent they do not conflict the proposed PUD Design Guidelines.

- Chapter 25-8 (ENVIRONMENT), Section 25-8-641(B) (*Removal Prohibited*) – To change the requirements for the removal of heritage trees within the PUD. Specifically identifying which heritage trees may be removed and adding language to speak to the administrative variance process under Section 25-8-642 for trees indicated to be saved on The Grove at Shoal Creek Tree Survey and Disposition Plan.
- Chapter 25-10 (SIGN REGULATIONS), Section 25-10-1 (*Applicability*) – Adding a condition under this section to state, “(D) To the extent they are in conflict, the signage standards set forth in the project Design Guidelines for The Grove at Shoal Creek shall supersede this chapter.”
- Chapter 25-10 (SIGN REGULATIONS), Section 25-10-103 (*Signs Prohibited in the Public Right-of-Way*) – To state that this section shall not apply to the public Right-of-Way dedicated for the Jackson Avenue extension within the boundaries of the PUD as identified on the Roadway Framework Plan.
- Chapter 25-10 (SIGN REGULATIONS), Section 25-10-191 (*Sign Setback Requirements*) – To state that this section shall not apply for setbacks from the public Right-of-Way dedicated for the Jackson Avenue extension within the boundaries of PUD as identified on the Roadway Framework Plan.
- Drainage Criteria Manual, Section 1.2.4.E.1(a) (*Fencing Requirements for Drainage Facilities*) – To amend this DCM Section to remove the requirement for barrier-type fences.
- Environmental Criteria Manual, Section 1.6.3.A.4 (*Maintenance Responsibilities for Water Quality Control Facilities*) – Modify this section to state that water quality control facilities at The Grove at Shoal Creek PUD that treat publicly owned roads and facilities within and adjacent to the PUD may be privately maintained, instead of being designed and built according to the appropriate city standards.
- Transportation Criteria Manual, Section 1.3.2.B.2 (*Classification Design Criteria*) – To modify this provision to state that the extension of Jackson Avenue in the PUD as identified on the Roadway Framework Plan shall be considered a Neighborhood Collector and shall be designed per The Grove at Shoal Creek Design Guidelines. The cross section and any other design information contained in those design guidelines shall supersede any requirements of the Transportation Criteria Manual. All other circulation routes within the PUD shall be considered as private driveways and intersection with these driveways shall be subject to the 50’ minimum spacing for Neighborhood Collectors.
- Transportation Criteria Manual, Section 1.3.2.F (*Classification Design Criteria*) – To state that the Jackson Avenue extension shall not be considered a Single Outlet Street upon the connection of any public access that is open to the public and connects Jackson Avenue to Bull Creek Road.

***Proposed Benefits of the PUD:***

The applicant is offering the following –

***Affordable Housing***

- Provide a substantial on-site affordable housing component. They will describe this proposal in The Grove at Shoal Creek Affordable Housing Program Plan. In this plan the applicant is currently proposing 180 affordable units on the site. The project has been certified under SMART Housing and the PUD language will require 5% of permanent ownership units and 10% of the rental units for 40 years. Through compliance with the Affordable Housing Requirements of LDC Section 25-1-704(B)(2)(a), development within the Grove at Shoal Creek PUD shall be eligible for a waiver of 100% of the development fees, including capital recovery fees, described in LDC Section 25-1-704 and Section 25-9-397 as allowed by and in accordance with the City's SMART Housing Program.

***Accessibility***

- Provide for accessibility for persons with disabilities to a degree exceeding applicable legal requirements.

***Art***

- Participate in the Art in Public Places Program. The applicant will develop a Public Art Plan that will consist of a minimum of three (3) significant art pieces. A minimum budget of \$60,000 shall be spent on public art within the PUD site. The applicant will consult with and consider the City's Art in Public Places (AIPP) program for implementing this program.

***Community Amenities***

- Provide a large on-site, publically accessible signature park space with park improvements and amenities open to the public.
- Provide public community and public amenities including spaces for community meetings, gatherings and other community needs.
- Provide publicly accessible multi-use trails and greenways within the property along Shoal Creek.
- Provide a pedestrian and bicycle bridge across Shoal Creek.

***Environmental/Drainage***

- Use of a wet pond and/or green water quality controls for a minimum of 50% of the required water quality volume on-site.
- Provide that a minimum of ten acres of impervious cover on the site will drain to and be substantially treated by green water quality controls that infiltrate or reuse water, such as rain gardens, biofiltration facilities, and rainwater capture systems.
- Proposing no modification to the existing 100-year floodplain.
- Preserve more than 75% of all protected size native caliper inches and prepare a tree care plan for all preserved heritage and protected trees on site.
- Cluster development/impervious cover along Bull Creek Road and in the interior of the property away from Shoal Creek and the larger oak groves on the property to avoid environmentally sensitive areas.
- Direct storm water runoff from impervious surfaces to a landscaped area at least equal to the total required landscape area.
- Provide on-site dentition for the 9.39 acres of existing impervious cover on site that is not currently detained.
- Provide educational signage at the wetland Critical Environmental Feature.

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- Implement an Integrated Pest Management Plan for the whole property.
- The Grove at Shoal Creek Design Guidelines will require street trees on all internal streets and along Bull Creek Road in excess of the Code requirements in Subchapter E.
- The proposed Design Guidelines will also require that a minimum of 95% of all non-turf plant materials be from or consistent with the City's Grow Green Guide.

***Great Streets***

- Provide private street cross sections that will meet the intent and purposes of the Great Streets Program through the proposed The Grove at Shoal Creek Project Design Guidelines.

***Green Building***

- Comply with at least a 2-star Green Building requirement.

***Parkland and Open Space***

- Provide a minimum of 18.12 acres of open space, including parkland.
- The Parks and Recreation Department has stated that they find that The Grove at Shoal Creek PUD is not superior to traditional zoning as it pertains to parks. The plan for the Signature Park submitted by Milestone lacks adequate street frontage, acreage and opportunities for active recreation. The CEF buffer reduction and mitigation further hampers park development. The visibility from the public right-of-way could be better. The overall credited park acreage does meet minimum requirements of traditional zoning only if the 2 acres labeled as "Flex Park Space" continues to be part of the parks plan.

***Transportation***

- Roadway and intersection improvements through the use of turn lanes and signalization shall be funded 100% by the applicant.
- Provide bicycle facilities, including bike storage and trails.

***Utility Facilities***

- Provide water system improvements that will improve water pressure to the area.

**EXISTING ZONING AND LAND USES:**

|              | <b>ZONING</b>                                 | <b>LAND USES</b>  |
|--------------|---|---|
| <i>Site</i>  | UNZ   | Undeveloped, Office   |
| <i>North</i> | SF-2  | Single-Family Residences  |
| <i>South</i> | SF-3  | Single-Family Residences  |
| <i>East</i>  | UNZ, SF-3                                     | Industrial Warehouse (State of Texas Archives), Single-Family Residences                          |
| <i>West</i>  | SF-2, SF-3, MF-6-CO, MF-4, GO-MU-CO, LO, SF-3 | Single-Family Residences, Multifamily Residences, Senior Living, Office, Single-Family Residences |

**TIA:** Is required**WATERSHEDS:** Shoal Creek – Urban**DESIRED DEVELOPMENT ZONE:** Yes**CAPITOL VIEW CORRIDOR:** No**SCENIC ROADWAY:** No

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**NEIGHBORHOOD ORGANIZATIONS:**

Allandale Neighborhood Association  
 Austin Heritage Tree Foundation  
 Austin Neighborhoods Council  
 Bike Austin  
 Central Austin Community Development  
 5702 Wynona Neighbors  
 45<sup>th</sup> St. Concerned Citizens  
 Friends of Austin Neighborhoods  
 Friends of the Emma Barrientos MACC  
 Highland Park West Balcones Area Neighborhood Association  
 Lower District 7 Green  
 North Austin Neighborhood Alliance  
 Oakmont Heights Neighborhood Association  
 Preservation Austin  
 Ridgelea Neighborhood Association  
 Rosedale Neighborhood Association  
 Save Barton Creek Association  
 SELTEXAS  
 Shoal Creek Conservancy  
 Sierra Club, Austin Regional Group  
 Sustainable Neighborhoods  
 The Real Estate Council of Austin, Inc.  
 Westminster Manor Residents Association

**SCHOOLS:** Austin Independent School District

Bryker Woods Elementary School    O Henry Middle School    Austin High School

*Note:* An Educational Impact Statement (EIS) is required. Please refer to Exhibit K.

**CASE HISTORIES:**

| NUMBER  | REQUEST      | COMMISSION   | CITY COUNCIL   |
|---|--------------|--|--|
| C14-06-0200<br>(Kingswood Place Apartments: 4318 Bull Creek Road) | MF-4 to MF-6 | 2/06/07: Approved staff rec. of MF-6-CO zoning (9-0), with CO to 1) limit the site to 2,000 vtpd, 2) prohibit vehicular access to 44 <sup>th</sup> Street except for emergency vehicle use, 3) limit height to 60 feet, 4) require a 25 foot building setback from Bull Creek Road, 5) limit the max FAR to 2.25 to 1.0 and 6) limit the max density to 80 dwelling units. | 3/22/07: Approved MF-6-CO zoning (6-0); all 3 readings |
| C14-06-0100<br>(Bull Creek Apartments: 4320-4330 Bull Creek Road) | MF-4 to MF-6 | 8/01/06: Approved staff rec. of MF-6-CO zoning (6-3, B. Baker, J. Pinnelli, J. Martinez-No), with CO to 1) limit the site to 2,000 vtpd, 2) limit height to 60 feet,   | 8/31/06: Approved MF-6-CO zoning (6-0); all 3 readings |



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|   |                         |  |   |
|---|-------------------------|--|---|
|   |                         | 3) limit density to 250 units (64.98 units per acre, 4) require a 25 foot building setback from Bull Creek Road, 5) require a 25 foot setback from 44 <sup>th</sup> Street, 6) state upon redevelopment that vehicular access is prohibited to 44 <sup>th</sup> Street except for emergency vehicle use and 7) limit the max FAR to 2.25 to 1.0.   |   |
| C14-02-0147:<br>Westminster<br>Manor Health<br>Facilities Corp.,<br>1902-1906 W.<br>42 <sup>nd</sup> Street | SF-3 to SF-6            | 9/10/02: Case expired.   | N/A   |
| C14-99-0080:<br>Congregation<br>Adudas Achim:<br>4200 Jackson)  | LO, SF-3 to<br>GO-MU-CO | 6/15/99: Approved staff's rec. of GO-MU-CO zoning (5-0-1, BH-abstain), with additional conditions: 1) limit the site to 2,000 vtpd, 2) prohibit Bed and Breakfast, College or University Facilities, Administrative and Business Offices, Cultural Services, Art and Craft Studio (Limited), Guidance Services, Business or Trade School, Hospital Services (Limited and General), Business Support Services, Local Utility Services, Medical Offices, Private Primary Educational Facilities, Off-Site Accessory Parking, Private Secondary Educational Facilities, Personal Services, Public Primary Educational Facilities, Professional Office, Public Secondary Educational Facilities, Software Development, Safety Services, Community Recreation (Private and Public), Multifamily Residential uses. | 7/15/99: Approved PC rec. of GO-MU-CO zoning, with conditions (6-0); 1 <sup>st</sup> reading<br><br>9/09/99: Approved 2 <sup>nd</sup> /3 <sup>rd</sup> readings |
| C14-94-0054<br>(Westminster<br>Manor: 4100<br>Jackson)  | LO to GO                | 5/24/94: Approved GO zoning, with conditions (6-0)   | 7/14/94: Approved GO zoning, with ROW requirement (7-0); all 3 readings   |

**RELATED CASES:** N/A

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**CITY COUNCIL DATE:** June 16, 2016

**ACTION:** Postponed to August 11, 2016  
at the staff's request (11-0)

**CITY COUNCIL DATE:** August 11, 2016

**ACTION:**

**ORDINANCE READINGS:** 1<sup>st</sup>

2<sup>nd</sup>

3<sup>rd</sup>

**ORDINANCE NUMBER:**

**CASE MANAGER:** Sherri Sirwaitis

**PHONE:** 512-974-3057  
sherri.sirwaitis@austintexas.gov

**SUMMARY STAFF RECOMMENDATION:**

The staff recommendation is to approve The Grove at Shoal Creek Planned Unit Development (PUD) zoning as requested subject that the following additional conditions be incorporated in the proposed Land Use Plan (Exhibit C) and supporting Exhibits F through J.

- 1) The total square footage of all development within the PUD shall not exceed 2.4 million square feet.
- 2) The total square footage of all office development within the PUD shall not exceed 210,000 square feet.
- 3) The total square footage of all retail/commercial development shall not exceed 150,000 square feet.
- 4) The total number of congregate care beds shall not exceed 300.
- 5) At least 30,000 square feet of retail development shall be required once 700 units of residential development are constructed before any additional residential development can occur on the property.
- 6) At least 35% of the total required affordable rental units shall be provided once 325 multifamily residential units are constructed before any additional multifamily residential units may be constructed. At least 35% of the total required affordable for-sale residential units shall be provided once 100 condominium residential units are constructed in a "podium style" condominium residential building before any additional condominium residential units may be constructed.
- 7) 130,000 square feet of development may be used for Tier 2 affordable housing that is separate from and does not count against the overall development cap of 2.4 million square feet.

A Public Restrictive Covenant will include all recommendations listed in the Traffic Impact Analysis memorandum, dated March 25, 2016, as provided in Attachment M.

**BASIS FOR LAND USE RECOMMENDATION (ZONING PRINCIPLES)**

1. *The proposed zoning should be consistent with the purpose statement of the district sought.*

The Planned Unit Development (PUD) zoning district is intended for large or complex developments under unified control, planned as a single contiguous project. The PUD is intended to allow single or multi-use projects within its boundaries and provides greater design flexibility for development proposed within the PUD. Use of the PUD district should result in development superior to that which would occur using conventional zoning and subdivision regulations. PUD zoning is appropriate if the development enhances preservation of the natural environment; encourages high quality development and innovative design; and ensures adequate public facilities and services for development within the PUD.+

2. *Zoning changes should result in a balance of land uses, provides an orderly and compatible relationship among land uses, and incorporates environmental protection measures.*

The staff is recommending PUD zoning at this location with a reduction in the total square footage to not exceed 2.4 million square feet. The staff believes that the proposal can result in a superior mixed use development with a reduced density as the site is fronts along a

collector street and is surrounded by primarily single family residential uses. The staff recommends PUD zoning based on the following factors: accessibility, affordable housing, participation in the Art in Public Places Program, environmental superiority, drainage improvements, compliance with at least a 2-star Green Building regulations, provision for a minimum of 18.12 acres of open space/ including parkland, transportation roadway and intersection improvements, and utility facility improvements that will provide for a superior development at this location.

3. *Zoning should promote clearly-identified community goals, such as creating employment opportunities or providing for affordable housing.*

One of the primary benefits of the proposed PUD is that the applicants will provide a substantial on-site affordable housing component. The applicants and the Neighborhood Housing and Community Development Department (NHCD) have agreed to language in The Grove at Shoal Creek Affordable Housing Program Plan (Exhibit N). The project has been certified under SMART Housing and the PUD language will require 5% of permanent ownership units at 80% median family income (MFI) and 10% of the rental units at 60% MFI for 40 years.

4. *Zoning should allow for reasonable use of the property.*

The proposed PUD zoning will enable the applicant to redevelop this tract of land within the core of the City with a project that will provide residential, employment and office/retail services in close proximity of each other to encourage walking, bicycling and other transit options. The evaluation of the staff's proposed baseline recommendation for this property would allow for approximately 1.892 million square feet of development at this location. The staff analyzed the applicant's revised request for approximately 2.9 million square feet of development and determined that a one million square foot difference between the staff's recommended baseline and the amended request was too great for the offered superiority through the proposed PUD. For that reason, the staff is suggesting a 2.4 million square foot cap on development for the PUD.

## **EXISTING CONDITIONS**

### **Site Characteristics**

The PUD site consists of undeveloped areas along the north and east portions of the property. The south and west portions of the site are developed with state owned office buildings with parking facilities. Surrounding properties are primarily a mix of residential and office uses. The site under consideration is adjacent to single family residences to the north (SF-2 zoning) and south (SF-3 zoning). There are apartments and a senior living center to the west (MF-6-CO, MF-4 and GO-MU-CO zoning). The property directly to the east is unzoned and is developed with an industrial warehouse facility for the State of Texas archives. Further to the east are single family residences (SF-2 zoning).

### **Impervious Cover**

The overall project impervious cover is capped at 65 % and the overall project building coverage is capped at 55%. This is specified in Note # 6 on the Land Use Plan (Exhibit C).



### **Comprehensive Planning**

This project is located on a 75.74 acre site, formerly owned by the State of Texas. The property is surrounded by single family housing to the north and south, apartments and a senior living center to the west, and single family housing and state property to east. The site is also located in the Rosedale Neighborhood Planning area, which does not have an adopted neighborhood plan.

The PUD plan for this property calls for mixed use project, including approximately 1,500 residential units (apartment units, single family and duplexes, townhouses and condominiums), a congregate care facility, general and medical office uses, a variety of retail uses, and over 10 acres of park and open space areas. Tract C and D property would permit public and private primary and secondary education, while Tract B would permit university facilities. Some of the buildings within the project area would be up to 65 ft. tall, with Tract B allowing up to 10 percent of the site to be up to 75 ft. in height.

### **Imagine Austin Analysis and Conclusion**

One of the goals of the Imagine Austin Comprehensive Plan (IACP) is to achieve ‘complete communities.’ Page 88 of the IACP states that complete communities are areas that provide amenities, transportation, services, and opportunities that fulfill all residents’ material, social, and economic needs. Page 107 of the IACP also states, “While most new development will be absorbed by centers and corridors, development will happen in other areas within the city limits to serve neighborhood needs and create complete communities. Infill development can occur as redevelopment of obsolete office, retail, or residential sites or as new development on vacant land within largely developed areas. New commercial, office, larger apartments, and institutional uses such as schools and churches, may also be located in areas outside of centers and corridors. The design of new development should be sensitive to and complement its context. It should also be connected by sidewalks, bicycle lanes, and transit to the surrounding area and the rest of the city.”

The following IACP policies are applicable to this project:

- **LUT P4.** Protect neighborhood character by directing growth to areas of change that includes designated redevelopment areas, corridors and infill sites. Recognize that different neighborhoods have different characteristics and new and infill development should be sensitive to the predominant character of these communities.
- **LUT P5.** Create healthy and family-friendly communities through development that includes a mix of land uses and housing types and affords realistic opportunities for transit, bicycle, and pedestrian travel and provides both community gathering spaces, parks and safe outdoor play areas for children.
- **LUT P7.** Encourage infill and redevelopment opportunities that place residential, work, and retail land uses in proximity to each other to maximize walking, bicycling, and transit opportunities.
- **UD P1.** Develop accessible community gathering places such as plazas, parks, farmers’ markets, sidewalks, and streets in all parts of Austin, especially in the Downtown, future

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TODs, in denser, mixed-use communities, and other redevelopment areas, that encourage interaction and provide places for people of all ages to visit and relax.

- **HN P10.** Create complete neighborhoods across Austin that have a mix of housing types and land uses, affordable housing and transportation options, and access to healthy food, schools, retail, employment, community services, and parks and recreation options.

**Conclusion:**

The proposed project provides a mix of uses, a mix of housing types, open space, and addresses household affordability. The proposed project also meets a number of Imagine Austin core principles for action (p. 10 - 11) including: Grow as a compact, connected city; Integrate nature into the city; and Develop as an affordable and healthy community. Based on the Imagine Austin text and policies above, this project appears to be supported by the Imagine Austin Comprehensive Plan.

**Environmental**

Please refer to Exhibit F.

**Site Plan**

Site plans will be required for any new development other than single-family or duplex residential.

**Subdivision**

FYI - Platting will be required. A preliminary plan application will be required if the development proposes public or private roads. Final plats will then be required to be approved and recorded prior to any site plan or residential permits.

**Transportation**

Please refer to Exhibit M.

**Water and Wastewater**

FYI: The landowner intends to serve the site with City of Austin water and wastewater utilities. The landowner, at own expense, will be responsible for providing any water and wastewater utility improvements, offsite main extensions, water or wastewater easements, utility relocations and/or abandonments required by the proposed land uses. It is recommended that Service Extension Requests be submitted to the Austin Water Utility at the early stages of project planning. Water and wastewater utility plans must be reviewed and approved by the Austin Water Utility in compliance with Texas Commission on Environmental Quality rules and regulations, the City's Utility Criteria Manual, and suitability for operation and maintenance. All water and wastewater construction must be inspected by the City of Austin. The landowner must pay the City inspection fees with the utility construction. The landowner must pay the tap and impact fee once the landowner makes an application for a City of Austin water and wastewater utility tap permit.

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Water and wastewater SERs 3607 and 3608 in currently in review and must be approved.

The utility strongly recommends against the proposal to plat on private streets as this results in inferior streets over our utilities and the lack of ROW greatly complicates system design with complex easement and PUE dedications. The project Engineers are advised to get with Pipeline Engineering (Lonnie Robinson) as soon as possible to discuss the private street option and what will be required regardless of any variances granted including but not limited to the requirements listed below.

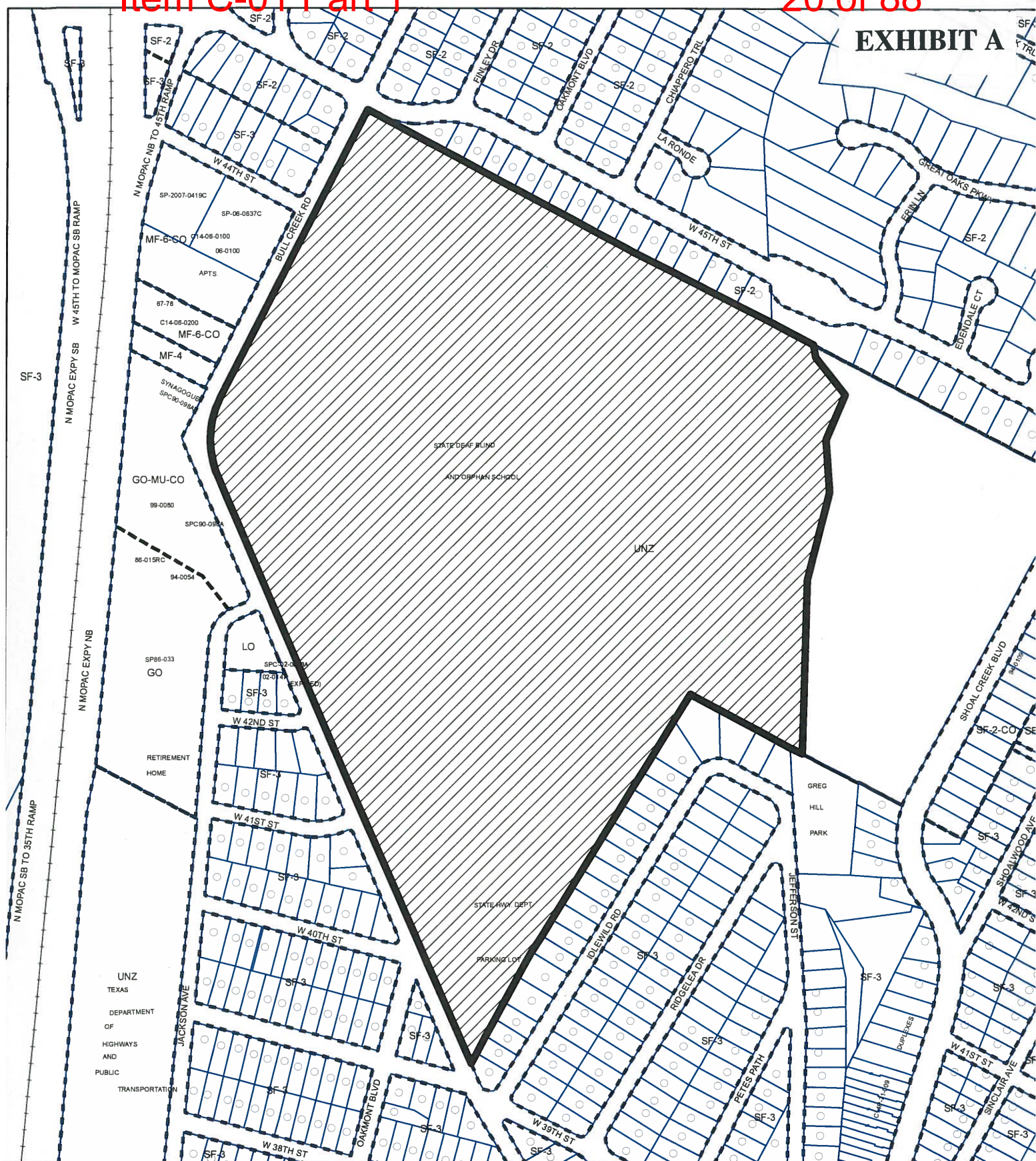
Typical water system operating pressures in the area are above 65 psi. Pressure reducing valves reducing the pressure to 65 psi (552 kPa) or less to water outlets in buildings shall be installed in accordance with the plumbing code.

All AWU infrastructure and appurtenances must meet all TCEQ separation criteria. Additionally AWU must have adequate accessibility to safely construct, maintain, and repair all public infrastructure. Rules & guidelines include:

1. A minimum separation distance of 5 feet from all other utilities (measured outside of pipe to outside of pipe) and AWU infrastructure;
2. A minimum separation distance of 5 feet from trees and must have root barrier systems installed when within 7.5 feet;
3. Water meters and cleanouts must be located in the right-of-way or public water and wastewater easements;
4. Easements AWU infrastructure shall be a minimum of 15 feet wide, or twice the depth of the main, measured from finished grade to pipe flow line, whichever is greater.
5. A minimum separation of 7.5 feet from center line of pipe to any obstruction is required for straddling line with a backhoe;
6. AWU infrastructure shall not be located under water quality or detention structures and should be separated horizontally to allow for maintenance without damaging structures or the AWU infrastructure.
7. The planning and design of circular Intersections or other geometric street features and their amenities shall include consideration for access, maintenance, protection, testing, cleaning, and operations of the AWU infrastructure as prescribed in the Utility Criteria Manual (UCM)
8. Building setbacks must provide ample space for the installation of private plumbing items such as sewer connections, customer shut off valves, pressure reducing valves, and back flow prevention devices in the instance where auxiliary water sources are provided.



## EXHIBIT A



## PLANNED UNIT DEVELOPMENT

**ZONING CASE#:** C814-2015-0074

This product is for informational purposes and may not have been prepared for or be suitable for legal, engineering, or surveying purposes. It does not represent an on-the-ground survey and represents only the approximate relative location of property boundaries.

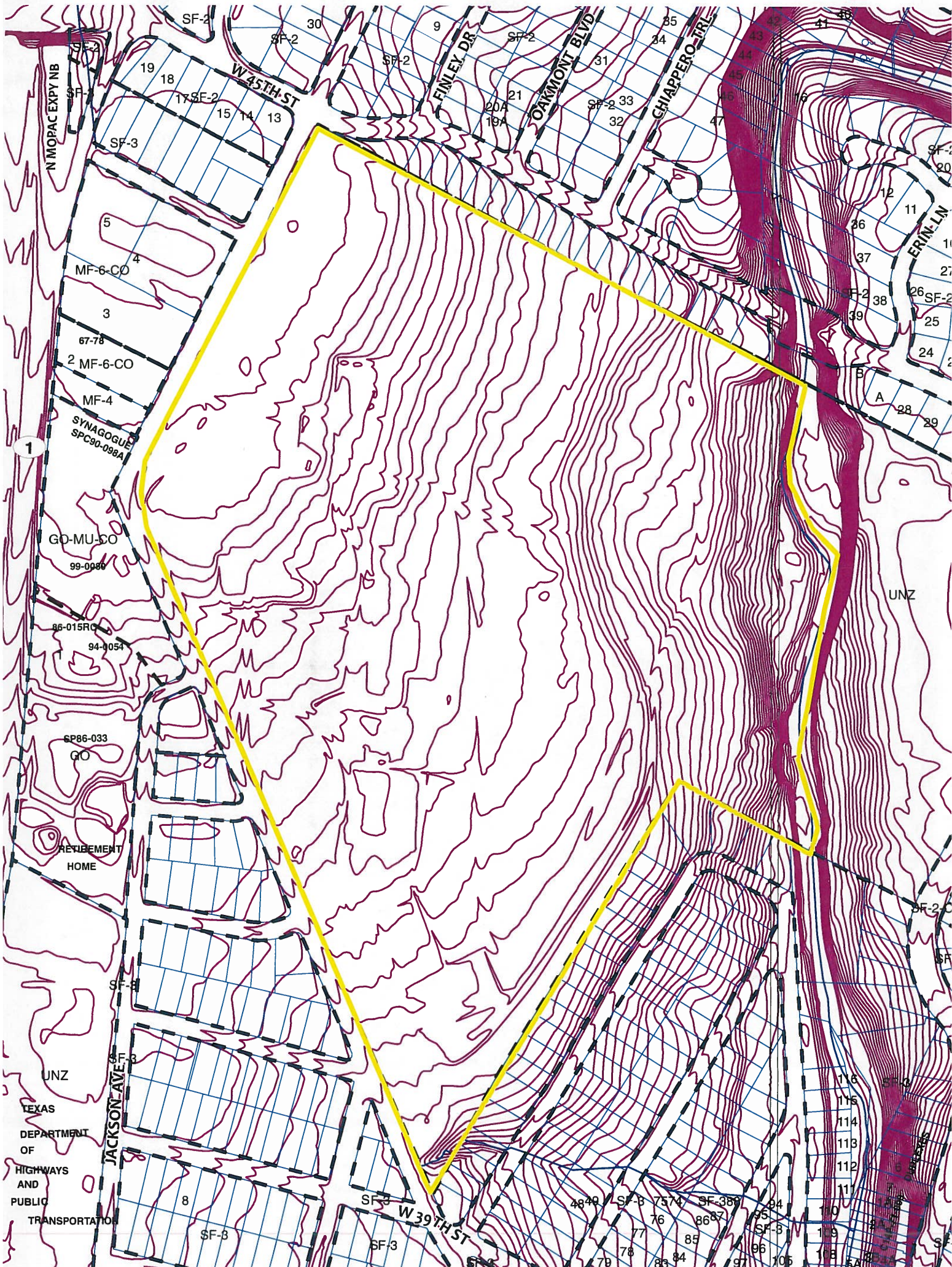
This product has been produced by CTM for the sole purpose of geographic reference. No warranty is made by the City of Austin regarding specific accuracy or completeness.



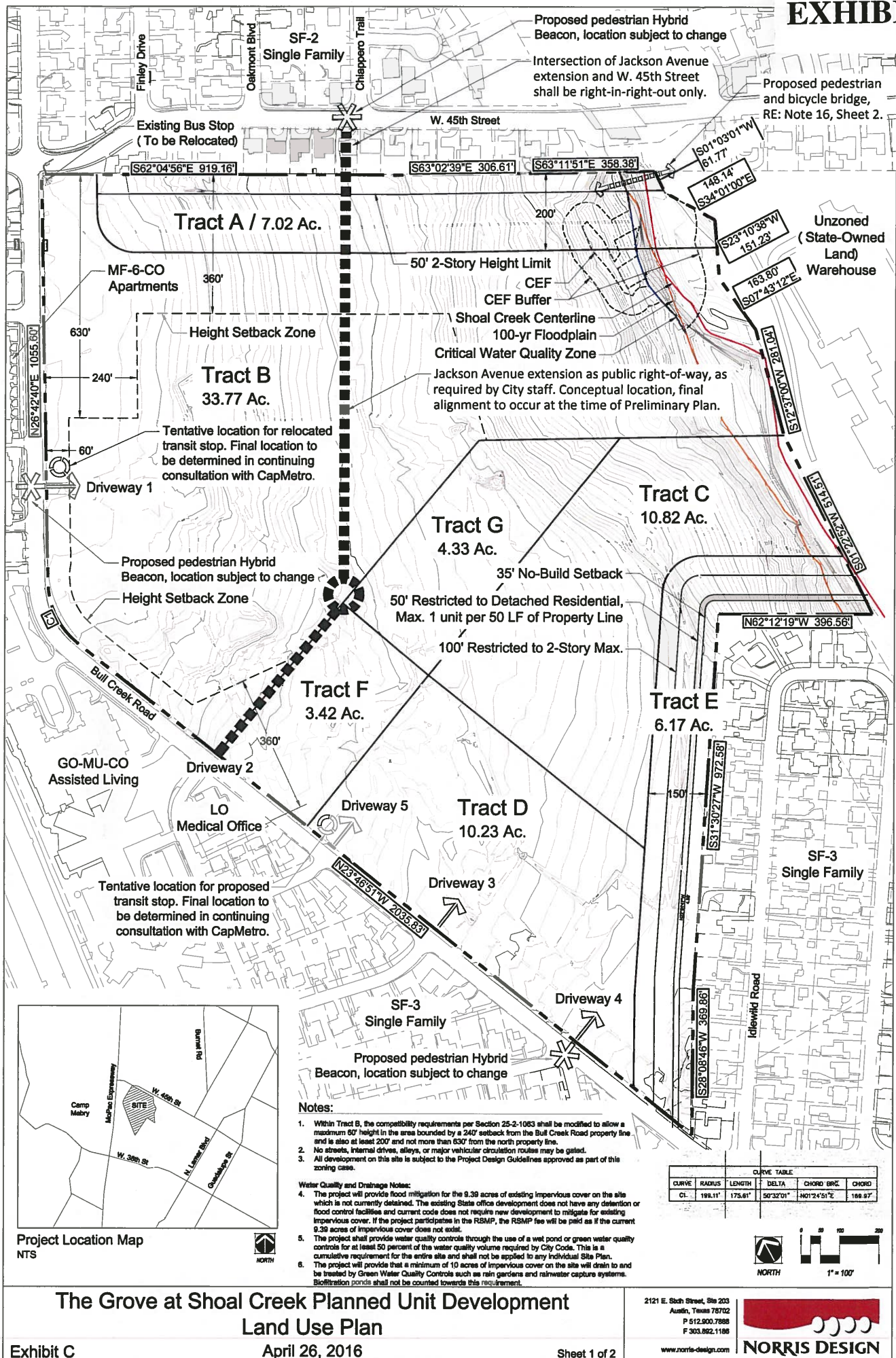














| TRACTS A & E                          |
|---------------------------------------|
| Condominium Residential               |
| Duplex Residential                    |
| Family Home                           |
| Group Home, Class I (Limited)         |
| Public Primary Education Facilities   |
| Public Secondary Education Facilities |
| Religious Assembly                    |
| Retirement Housing (Small Site)       |
| Short-Term Rental                     |
| Single-Family Attached Residential    |
| Single-Family Residential             |
| Small Lot Single-Family Residential   |
| Townhouse Residential                 |
| Two-Family Residential                |

| TRACT B                                |
|--|
| Administrative & Business Offices      |
| Art Gallery                            |
| Art Workshop                           |
| Automotive Rentals                     |
| Automotive Sales (max. 3000 SF)        |
| Automotive Washing (accessory only)    |
| Business or Trade School               |
| Business Support Services              |
| Cocktail Lounge                        |
| College & University Facilities        |
| Commercial Off-Street Parking          |
| Community Garden                       |
| Community Recreation (Private)         |
| Community Recreation (Public)          |
| Condominium Residential                |
| Congregate Living                      |
| Consumer Convenience Services          |
| Consumer Repair Services               |
| Counseling Services                    |
| Cultural Services                      |
| Day Care Services (Commercial)         |
| Day Care Services (General)            |
| Day Care Services (Limited)            |
| Duplex Residential                     |
| Family Home                            |
| Financial Services                     |
| Food Preparation                       |
| Food Sales                             |
| General Retail Sales (Convenience)     |
| General Retail Sales (General)         |
| Group Home, Class I (Limited)          |
| Hospital (General)                     |
| Hospital Services (Limited)            |
| Hotel-Motel                            |
| Indoor Entertainment                   |
| Indoor Sports & Recreation             |
| Liquor Sales                           |
| Medical Offices (all sizes)            |
| Mobile Food Establishments             |
| Multifamily Residential                |
| Off-Site Accessory Parking             |
| Outdoor Sports & Recreation            |
| Personal Improvement Services          |
| Personal Services                      |
| Pet Services                           |
| Printing & Publishing                  |
| Private Primary Education Facilities   |
| Private Secondary Education Facilities |
| Professional Office                    |
| Public Primary Education Facilities    |
| Public Secondary Education Facilities  |
| Religious Assembly                     |
| Research Services                      |
| Restaurant (General)                   |
| Restaurant (Limited)                   |
| Retirement Housing (Small Site)        |
| Safety Services                        |
| Short-Term Rental                      |
| Single-Family Attached Residential     |
| Single-Family Residential              |
| Small Lot Single-Family Residential    |
| Software Development                   |
| Theater                                |
| Townhouse Residential                  |
| Two-Family Residential                 |
| Urban Farm                             |

| TRACT C                               |
|---------------------------------------|
| Community Garden                      |
| Condominium Residential               |
| Congregate Living                     |
| Duplex Residential                    |
| Family Home                           |
| Group Home, Class I (Limited)         |
| Multifamily Residential               |
| Off-Site Accessory Parking            |
| Public Primary Education Facilities   |
| Public Secondary Education Facilities |
| Religious Assembly                    |
| Retirement Housing (Small Site)       |
| Short-Term Rental                     |
| Single-Family Attached Residential    |
| Single-Family Residential             |
| Small Lot Single-Family Residential   |
| Townhouse Residential                 |
| Two-Family Residential                |
| Urban Farm                            |

| TRACT D                               |
|---------------------------------------|
| Community Garden                      |
| Condominium Residential               |
| Congregate Living                     |
| Duplex Residential                    |
| Family Home                           |
| Group Home, Class I (Limited)         |
| Multifamily Residential               |
| Off-site Accessory Parking            |
| Public Primary Education Facilities   |
| Public Secondary Education Facilities |
| Religious Assembly                    |
| Retirement Housing (Small Site)       |
| Short-Term Rental                     |
| Single-Family Attached Residential    |
| Single-Family Residential             |
| Small Lot Single-Family Residential   |
| Townhouse Residential                 |
| Two-Family Residential                |
| Urban Farm                            |

| TRACT F&G                              |
|--|
| Administrative & Business Offices      |
| Art Gallery                            |
| Art Workshop                           |
| Community Garden                       |
| Condominium Residential                |
| Congregate Living                      |
| Counseling Services                    |
| Cultural Services                      |
| Day Care Services (Commercial)         |
| Day Care Services (General)            |
| Day Care Services (Limited)            |
| Duplex Residential                     |
| Family Home                            |
| Financial Services                     |
| Group Home, Class I (Limited)          |
| Hospital (General)                     |
| Medical Offices (all sizes)            |
| Multifamily Residential                |
| Off-site Accessory Parking             |
| Personal Services                      |
| Pet Services                           |
| Private Primary Education Facilities   |
| Private Secondary Education Facilities |
| Professional Office                    |
| Public Primary Education Facilities    |
| Public Secondary Education Facilities  |
| Religious Assembly                     |
| Retirement Housing (Small Site)        |
| Short-Term Rental                      |
| Single-Family Attached Residential     |
| Single-Family Residential              |
| Small Lot Single-Family Residential    |
| Software Development                   |
| Townhouse Residential                  |
| Two-Family Residential                 |
| Urban Farm                             |

| OPEN SPACE  |
|---|
| Drainage, Detention & Water Quality Facilities  |
| Trails (hiking trails, multi-use trails, pedestrian/bicycle bridges) and Related Improvements |
| Open Space (privately owned and maintained)   |
| Parkland (City owned, may be privately maintained)  |

Notes:

1. Impervious cover, number of dwelling units, and building coverage are not listed per individual Tracts in the Site Development Regulations table and shall be dealt with via a "bucket" system. Individual Tracts and/or Site Plans may vary above or below the listed limits, as long as the calculation for the overall 75.76 acre site does not exceed the limit. Applicants shall add a tabulation table (as adopted per this PUD ordinance) to each site plan and subdivision application submit which will show the current standing of the overall Site Development Regulations. City Staff shall review the table provided with each application and verify that it is in accordance with the Site Development Regulations outlined in the PUD Land Use Plan.

2. Total residential units on the site is capped at 1515 dwelling units (affordable housing units are included in this cap). Congregate living does not count towards this 1515 unit cap, and is limited to a maximum of 800 beds.

3. Total multi-family residential units, that are not also condominium residential units, on the site are capped at 650 dwelling units. Congregate living and the first 250 affordable housing units do not count towards this 650 unit cap.

4. Total office uses on site, including Administrative and Business Office, Medical Office, and Professional Office, are capped at 225,000 square feet.

5. Total non-office commercial uses on the site are capped at 158,000 square feet and a maximum size of 47,500 square feet for any one tenant space.

6. Overall project impervious cover is capped at 65% and overall project building coverage is capped at 55%.

7. The FAR maximums listed in the Site Development Regulations table apply to Individual Tracts within the PUD and the FAR shall not be exceeded on an individual Tract basis but may be exceeded on an individual site plan within a Tract. Tacking the allotted and remaining FAR within each Tract is the responsibility of the Applicant.

8. Parks and open space are allowed uses in all Tracts.

9. Cocktail lounge uses are capped at 15,000 SF total and a maximum size of 7500 SF for any one tenant space. Additionally, cocktail lounge uses are not permitted within 300' of an SF-5 or more restrictive zoning district or properties on which uses permitted in an SF-5 or more restrictive zoning district are located.

10. Liquor sales uses are capped at 15,000 SF total and a maximum size of 10,000 SF for any one tenant space.

11. Hospital (General) uses are allowed only in association with Congregate Living, on the same site as Congregate Living, and are limited to a total of 85,000 SF.

12. Live-work units are defined as residential units which are similarly configured to residential row houses or townhomes but are distinguished by a workspace, studio, storefront, or business that is flush with the street frontage. The non-residential portion of the unit shall be located on the ground floor only and the residential and non-residential areas must be used and occupied by the same owner or occupant.

13. Driveway and trail locations shown on the Land Use Plan are approximate and will be determined at the time of Site Plan.

14. Public art shall be installed in a minimum of three (3) locations throughout the project. A minimum budget of \$80,000 shall be spent on public art within the PUD site.

15. Off-site Parking per 25-8-501 may be provided for a use located in any Tract within the PUD so long as the off-site parking is located in a Tract where Off-site Accessory Parking is a permitted use.

16. Proposed Pedestrian and Bicycle Bridge over Shoal Creek:

16.a. The applicant will post fiscal with the City of Austin for the construction of a bicycle and pedestrian bridge crossing Shoal Creek enabling a trail connection from the site to Shoal Creek Blvd. The amount of the fiscal shall be based on the Applicant's approved engineering cost estimate. Subject to City approval of the proposed bridge location (the City considering environmental, connectivity and other factors) the Applicant will construct the bridge and trail. If the City of Austin or the applicant is unable to secure an easement to allow for the construction of said bridge, the posted fiscal may be utilized by the City to complete other bicycle and pedestrian improvements in the area. The Applicant further agrees to provide easements, if needed, for future bicycle and pedestrian bridge crossings at both the northern and southern portions of Shoal Creek, whether or not the bridge described above is constructed.

16.b. Bridge location shown is approximate and subject to change. Bridge may be located elsewhere on site with City approval so long as it does not impact the wetland CEF or the portion of the wetland CEF buffer that is outside the 100-year flood plain.

17. The project shall provide the following benefits to encourage alternative transportation options:

17.a. A minimum of one location shall be set aside for a B-cycle station, as coordinated with B-cycle (station to be installed by B-cycle when network is expanded to encompass project).

17.b. A minimum of 5 car-sharing parking spaces will be reserved on the site, subject to inclusion of the site in the coverage area of a car-share service. All office buildings that are 10,000 SF or greater will provide shower and changing facilities meeting the requirements of Austin Energy Green Build Commercial Ratings (2013).

17.d. Bike parking will be provided for a minimum of 10% of all required vehicular parking spaces. Private garages serving a residential unit are considered to meet this requirement.

17.e. A minimum of two bus stops will be provided on Bull Creek Road. Each stop shall feature improvements including, at a minimum: a bench, a trash receptacle, and some form of shade located nearby (shade structure, bus shelter, trees, etc.). Bus stops should be approximately 25 feet in length by 10 feet in width and incorporated into the sidewalk. A larger area of approximately 15 feet in width (perpendicular to the road by 50 feet in length (parallel to the road) surrounding the stop should maintain a level slope to ensure that all ADA slope requirements are met.

17.f. All multi-family developments shall incorporate bicycle cage parking for residents.

SITE DEVELOPMENT REGULATIONS

|   | TRACT A | TRACT B            | TRACT C            | TRACT D            | TRACT E | TRACT F            | TRACT G           |
|---|---------|--------------------|--------------------|--------------------|---------|--------------------|-------------------|
| Minimum Lot Size in s.f.                            | 3,000   | 3,000              | 3,000              | 3,000              | 3,000   | 3,000              | 3,000             |
| Minimum Lot Width                                   | 30'     | 30'                | 30'                | 30'                | 30'     | 30'                | 30'               |
| Maximum Height                                      | 40'     | 65' <sup>(1)</sup> | 40' <sup>(2)</sup> | 40' <sup>(2)</sup> | 35'     | 40' <sup>(2)</sup> | 60'               |
| Minimum Setbacks from Public Streets <sup>(4)</sup> |         |                    |                    |                    |         |                    |                   |
| Front Yard  | 10'     | 0'                 | 10'                | 0'                 | 10'     | 0'                 | 0'                |
| Street Side Yard                                    | 10'     | 0'                 | 10'                | 0'                 | 10'     | 0'                 | 0'                |
| Minimum Interior Yard Setbacks                      |         |                    |                    |                    |         |                    |                   |
| Interior Side Yard                                  | 0'      | 0'                 | 0'                 | 0'                 | 0'      | 0'                 | 0'                |
| Rear Yard   | 0'      | 0'                 | 0'                 | 0'                 | 0'      | 0'                 | 0'                |
| Maximum Floor Area Ratio <sup>(5)</sup>             | 0.75:1  | 1.5:1              | 0.75:1             | 1:1                | 0.75:1  | 1:1                | 1:1               |
| Impervious Cover Maximum <sup>(5)</sup>             | 55%     | NA <sup>(3)</sup>  | NA <sup>(3)</sup>  | NA <sup>(3)</sup>  | 55%     | NA <sup>(3)</sup>  | NA <sup>(3)</sup> |
| Building Coverage Maximum <sup>(5)</sup>            | 45%     | NA <sup>(3)</sup>  | NA <sup>(3)</sup>  | NA <sup>(3)</sup>  | 45%     | NA <sup>(3)</sup>  | NA <sup>(3)</sup> |
| Maximum Residential Units                           | 87      | NA <sup>(3)</sup>  | NA <sup>(3)</sup>  | NA <sup>(3)</sup>  | 77      | NA <sup>(3)</sup>  | NA <sup>(3)</sup> |

(1) Up to 5% of Tract B is permitted to be up to 75' in height. This additional height is permitted only within the Height Setback Zone, as shown on the LUP Plan. Height on Tract B may not exceed 5-stories.

(2) Within 100 feet of Tract G, height may be increased to a maximum of 60' for an Affordable Housing development with the project's Affordable Housing Program. A minimum of 25% of the residential units in a building must be affordable under the project's Affordable Housing Program in order for that building to qualify for this height exception. Building height will be required to comply with City of Austin Compatibility Standards.

(3) Tracts B, C, D, F, and G do not have individual Impervious Cover, Building Coverage, or Unit Caps, but they are subject to the overall IC, Building Coverage, and Unit Cap as stated in notes 2 and 6, above.

(4) The minimum setback from Bull Creek Road is 15' for all tracts.

(5) Right-of-Way dedicated from a given tract shall still be included in the total site area to calculate Site Development Regulations including FAR, Impervious Cover, Building Coverage, and Dwelling Units.



## EXHIBIT D

## ATTACHMENT 1

*Tier 1 and Tier 2 Compliance Summary*

| Tier 1 Requirements – Section 2.3.1   | Compliance/ Superiority   |
|---|---|
| A. meet the objectives of the City Code;  | YES. The Project is located in the urban core and within an Urban watershed. The Project is located near Mopac Expressway and is located along the proposed Shoal Creek Urban Trail and an existing CapMetro bus route. The Project will promote the Imagine Austin priority of creating a “compact and connected” City increasing population density within the urban core. The Project is compatible with surrounding uses and zoning which is consistent with the general neighborhood preferences. Except as set forth in the Proposed Code Modifications Summary, the Project will comply with the current City Code requirements.   |
| B. provide for development standards that achieve equal or greater consistency with the goals in Section 1.1 ( <i>General Intent</i> ) than development under the regulations in the Land Development Code; | <p>YES. The Project will meet the goals of Section 1.1 as follows:</p> <ol style="list-style-type: none"> <li data-bbox="1106 911 1946 1225">1. <u>Preserve Natural Environment</u>. The Project will preserve all of the high quality heritage trees on the Property, and remove only a handful poor to fair condition “heritage” pecan trees. The Project will provide for greater open space than required by the City Code. The Project will provide green water quality controls and will provide water quality controls and drainage improvements for the entire site. The current state office development does not have any detention or flood control facilities.</li> <li data-bbox="1106 1265 1946 1396">2. <u>High Quality Development and Innovative Design</u>. The Project will utilize mixed use and urban design principles that will allow clustering of uses in higher densities that promote urban living, working and shopping on the site and encourage use of</li> </ol> |

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|   | <p>alternative transportation options. The Project will integrate pedestrian and bicycle connectivity throughout the Property. The Project will be designed to make use of scenic views from public spaces. Parking structures will be used in connection with office and apartment uses. Higher development intensity will be focused along Bull Creek Road and the interior of the Property and lower development intensity will be located near existing single family residences.</p> <p>3. <u>Adequate Public Facilities and Services.</u> The Project will provide (i) a large on-site, publicly accessible signature park space with park improvements and amenities open to the public providing recreation and natural open space to the whole City; (ii) plazas and other open and community spaces with public amenities that will provide opportunities for people to gather and socialize; (iii) hike and bike trails along Bull Creek Road and Shoal Creek and improvements to enhance transit use so that area residents will have greater transportation options; (iv) roadway intersection improvements through the use of turn lanes and signalization funded 100% by the Applicant, (v) shared access improvements to provide existing 45<sup>th</sup> Street homes with safe, alternative access, (vi) water system improvements that will improve water pressure (especially for fire flow purposes) to the area, (vii) a pedestrian and bicycle bridge across Shoal Creek.</p> |
| <p>C. provide a total amount of open space that equals or exceeds 10 percent of the residential tracts, 15 percent of the industrial tracts, and 20 percent of the nonresidential tracts within the PUD, except that:</p> <ol style="list-style-type: none"> <li>1. a detention or filtration area is excluded from the calculation unless it is designed and maintained as an amenity; and</li> <li>2. the required percentage of open space may be</li> </ol> | <p><b>YES.</b> Even though the Project is an “urban property”, the Project will <i>exceed</i> these requirements by providing at least 18.12 acres of open space as shown on the Parks Plan Exhibit. This <i>minimum</i> amount of open space for the purpose of determining compliance with Tier 1 and Tier 2 requirements is also shown on the Parks Plan Exhibit and is approximately 11 and 12 acres respectively. The Applicant actually intends that the Project will provide more open space than the minimum 18.12 acres. This open space, which the Applicant may sometimes also refer to as “Park</p>  |

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| <p>reduced for urban property with characteristics that make open space infeasible if other community benefits are provided;</p>   | <p>Space”, will be publicly accessible and offer excellent recreational and natural areas throughout the Project.</p>  |
| <p>D. comply with the City's Planned Unit Development Green Building Program;</p>  | <p><b>YES.</b> The Project will comply with at least a 2-star Green Building requirement.</p>  |
| <p>E. be consistent with applicable neighborhood plans, neighborhood conservation combining district regulations, historic area and landmark regulations, and compatible with adjacent property and land uses;</p>   | <p><b>YES.</b> There is no applicable neighborhood plan, NCCD or historic area or landmark regulations applicable to the site. However, as stated above, the largely residential Project will be compatible with area land uses and zoning districts and is consistent with the principles and priorities of Imagine Austin. In addition, the Applicant believes the Project is consistent with neighborhood preferences established in surveys conducted by the Applicant and with the Bull Creek Road Coalition’s Design Principles.</p>   |
| <p>F. provide for environmental preservation and protection relating to air quality, water quality, trees, buffer zones and greenbelt areas, critical environmental features, soils, waterways, topography, and the natural and traditional character of the land;</p> | <p><b>YES.</b> The Project will preserve all of the higher quality heritage oak trees on the Property, and remove only a handful poor to fair condition “heritage” pecan trees.<br/>The project will preserve a minimum of 75% of Protected Size native tree inches on site.<br/>The Project will provide for greater open space than required by the City Code. The Project will provide green water quality controls and will provide water quality controls and drainage improvements for the entire site. The current state office development does not have any detention or flood control facilities. The Project will not propose any flood plain modifications. The Project will incorporate the natural features, topography and character of the land in its overall design.</p> |
| <p>G. provide for public facilities and services that are adequate to support the proposed development including school, fire protection, emergency service, and police facilities;</p>  | <p><b>YES.</b> As stated above, the Project will provide (i) a large on-site, publicly accessible signature park space with park improvements and amenities open to the public providing recreation and natural open space to the whole City; (ii) plazas and other open and community spaces with public amenities that will provide</p>  |

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|  | <p>opportunities for people to gather and socialize;; (iii) hike and bike trails along Bull Creek Road and Shoal Creek and improvements to enhance transit use so that area residents will have greater transportation options; (iv) roadway intersection improvements through the use of turn lanes and signalization funded 100% by the Applicant, (v) shared access improvements to provide existing 45<sup>th</sup> Street homes with safe, alternative access, (vi) water system improvements that will improve water pressure (especially for fire flow purposes) to the area, and (vii) a pedestrian and bicycle bridge across Shoal Creek. In addition, there are currently existing adequate school, fire protection, emergency service, and police facilities located in the area. Bryker Woods School for example is populated by approximately 20% - 30% of transfer students and, therefore, has sufficient capacity to meet the needs of the Project.</p> |
| H. exceed the minimum landscaping requirements of the City Code;   | <p><b>YES.</b> The Project will exceed the minimum Code requirements for landscaping. The Project will implement an Integrated Pest Management Plan, which shall apply to all sites and uses within the PUD. The project Design Guidelines require minimum 3" caliper street trees on all internal streets. Under conventional zoning, Tracts A, C, D, and E would be residential zoning districts and would not require street trees under Subchapter E. This area of additional street trees represents 34.24 acres or approximately 45% of the total project area. Additionally, street trees will be required along Bull Creek Road where they would not be required by Subchapter E. The Design Guidelines will additionally require that a minimum of 95% of all non-turf plant materials be from or consistent with the City's Grow Green Guide.</p>   |
| I. provide for appropriate transportation and mass transit connections to areas adjacent to the PUD district and mitigation of adverse cumulative transportation impacts with sidewalks, trails, and roadways; | <p><b>YES.</b> There is currently a CapMetro bus route located on Bull Creek Road adjacent to the Property that provide transit to major employment centers like the Seton Medical Center, the University of Texas and downtown. The Applicant is in discussions with</p>   |



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|   | CapMetro about how to provide enhancements to this transit stop to facilitate increased ridership. In addition, the Project will provide greater pedestrian and bicycle trails and sidewalks along Bull Creek Road, within the Property and along Shoal Creek, including a pedestrian and bicycle bridge across Shoal Creek. A TIA has been performed and demonstrates that impacts on area intersections from the Project are properly mitigated with turn lane and signal improvements. |
| J. prohibit gated roadways;   | <b>YES.</b> The Project will prohibit gated communities.  |
| K. protect, enhance and preserve areas that include structures or sites that are of architectural, historical, archaeological, or cultural significance; and  | <b>NOT APPLICABLE.</b> There are no such areas within the Property. However, the Applicant is willing to memorialize the prior use of the site for the education of disabled African Americans in public spaces located within the Project.   |
| L. include at least 10 acres of land, unless the property is characterized by special circumstances, including unique topographic constraints.  | <b>YES.</b> The Property is approximately 75.74 acres.  |
| <b>Additional Requirements – Section 2.3.2</b>  | <b>Compliance/ Superiority</b>  |
| A. comply with <a href="#">Chapter 25-2</a> , Subchapter E ( <i>Design Standards And Mixed Use</i> );   | <b>MODIFICATIONS REQUESTED.</b> As permitted by Section 2.2 of PUD Code Provisions, the Applicant will be proposing modifications to the Subchapter E standards that will replace and supersede Subchapter E. The Project Design Guidelines meet the intent and purposes of Subchapter E, while making compliance simpler and easier to implement.  |
| B. inside the urban roadway boundary depicted in Figure 2, Subchapter E, <a href="#">Chapter 25-2</a> ( <i>Design Standards and Mixed Use</i> ), comply with the sidewalk standards in <a href="#">Section 2.2.2.</a> , Subchapter E, <a href="#">Chapter 25-2</a> ( <i>Core Transit Corridors: Sidewalks And Building Placement</i> ); and | <b>MODIFICATIONS REQUESTED.</b> As permitted by Section 2.2 of PUD Code Provisions, the Applicant has proposed modifications to the Subchapter E sidewalk and building placement standards that will replace and supersede Subchapter E. The Project Design Guidelines meet the intent and purposes of Subchapter E, while making compliance simpler and easier to implement.   |
| C. contain pedestrian-oriented uses as defined in <a href="#">Section 25-2-691(C)</a> ( <i>Waterfront Overlay District Uses</i> ) on the first  | <b>YES.</b> The Project will contain pedestrian-oriented uses on the first floor of multi-story commercial or mixed use buildings   |

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| floor of a multi-story commercial or mixed use building.   | located along roadways with pedestrian walkways. The size of the Project is such that some interior buildings that are not located on significant pedestrian walkways do not have such uses.   |
| <b>Tier 2 Requirements – Section 2.4</b>   | <b>Compliance/ Superiority</b>   |
| A. <u>Open Space</u> – Provides open space at least 10% above the requirements of Section 2.3.1.A. ( <i>Minimum Requirements</i> ). Alternatively, within the urban roadway boundary established in Figure 2 of Subchapter E of <u>Chapter 25-2</u> ( <i>Design Standards and Mixed Use</i> ), provide for proportional enhancements to existing or planned trails, parks, or other recreational common open space in consultation with the Director of the Parks and Recreation Department. | <b>YES.</b> The Project will provide at least 18.12 acres of open space as shown on the Park Plan Exhibit which is far above the requirement in Section 2.3.1.A. This <i>minimum</i> amount of open space for the purpose of determining compliance with Tier 1 and Tier 2 requirements is also shown on the Parks Plan Exhibit and is approximately 11 and 12 acres respectively. The Applicant actually intends that the Project will provide more open space than the minimum 18.12 acres. This open space will largely consist of dedicated parkland and will be publicly accessible and offer excellent recreational and natural areas throughout the Project.  |
| B. <u>Environment/Drainage</u> –   |  |
| 1. Complies with current code instead of asserting entitlement to follow older code provisions by application of law or agreement.   | <b>NOT APPLICABLE.</b>   |
| 2. Provides water quality controls superior to those otherwise required by code.   | <b>YES.</b> The project will meet current code requirements for water quality volume. The Project will provide water quality controls through the use of a wet pond and/or Green Water Quality Controls for a minimum of 50% of the required water quality volume on-site, which provide superior Total Suspended Solid and nutrient removal to more conventional controls and also offer wetland and habitat benefits that are particularly appropriate to the Project. Makeup water for the wet pond will be provided by air conditioner condensate from commercial buildings on site. Site plans for commercial buildings will be required to include plumbing connections to the makeup water system unless it has been demonstrated that prior connections (from other buildings on site) will provide sufficient makeup water for the pond. Potable or |

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|   | well water may be used for makeup water only during buildout of the project.  |
| 3. Uses green water quality controls as described in the Environmental Criteria Manual to treat at least 50 percent of the water quality volume required by code.   | <b>YES AS MODIFIED.</b> The project will provide that a minimum of 10 acres of impervious cover on the site will drain to and be treated by Green Water Quality Controls such as rain gardens, and rainwater capture systems. Biofiltration ponds shall not be counted toward this requirement.   |
| 4. Provides water quality treatment for currently untreated, developed off-site areas of at least 10 acres in size.   | <b>NOT APPLICABLE.</b>  |
| 5. Reduces impervious cover by five percent below the maximum otherwise allowed by code or includes off-site measures that lower overall impervious cover within the same watershed by five percent below that allowed by code. | <b>NOT APPLICABLE.</b> The site is not currently zoned. While a baseline may be established by City Council, Council has been directed by City Staff that the baseline is solely for determining development bonuses and not for other zoning factors. As such, it would not be appropriate to apply the established baseline to determine environmental superiority. |
| 6. Provides minimum 50-foot setback for at least 50 percent of all unclassified waterways with a drainage area of 32 acres.   | <b>NOT APPLICABLE.</b>  |
| 7. Provides volumetric flood detention as described in the Drainage Criteria Manual.  | <b>NO.</b>  |
| 8. Provides drainage upgrades to off-site drainage infrastructure that does not meet current criteria in the Drainage or Environmental Criteria Manuals, such as storm drains and culverts that provide a public benefit.       | <b>NOT APPLICABLE.</b>  |
| 9. Proposes no modifications to the existing 100-year floodplain.   | <b>YES.</b> The Project will not modify the existing 100-year flood plain.  |
| 10. Uses natural channel design techniques as described in the Drainage Criteria Manual.  | <b>NOT APPLICABLE.</b>  |
| 11. Restores riparian vegetation in existing, degraded Critical Water Quality Zone areas.   | <b>NO.</b> Existing riparian vegetation along the top of the bank is already in good condition and will be protected by a Riparian Grow Zone. This Riparian Grow Zone will also serve as wetland  |

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|   | mitigation.  |
| 12. Removes existing impervious cover from the Critical Water Quality Zone.   | <b>NOT APPLICABLE.</b>   |
| 13. Preserves all heritage trees; preserves 75% of the caliper inches associated with native protected size trees; and preserves 75% of all of the native caliper inches. | <b>YES AS MODIFIED.</b> The Project will preserve more than 75% of all Protected Size native caliper inches. The Project will preserve all of the higher quality heritage oak trees on the Property, and remove only a handful of poor to fair condition "heritage" pecan trees. The heritage pecan trees to be removed are of a variety that is not native to the area and structurally poor and of lower quality. The Applicant has met with the City Arborist to discuss removal of these small number of trees and the preservation of all of the high-quality heritage oak trees. Additionally, the project will provide additional protection for the $\frac{3}{4}$ critical root zone for all protected and heritage trees within the Signature Grove, which includes all trees around the proposed pond and the highest quality oak trees throughout the Signature Park. |
| 14. Tree plantings use Central Texas seed stock native and with adequate soil volume.   | <b>NO.</b> While the Project will utilize native and adapted trees from the Grow Green Guide, a commitment to 100% native seed stock is not feasible at this time.   |
| 15. Provides at least a 50 percent increase in the minimum waterway and/or critical environmental feature setbacks required by code.                                      | <b>NO.</b> While the project does propose a Riparian Grow Zone along the Critical Water Quality Zone boundary that would effectively increase the waterway buffer for Shoal Creek, it also proposes a reduction in the Wetland CEF buffer.   |
| 16. Clusters impervious cover and disturbed areas in a manner that preserves the most environmentally sensitive areas of the site that are not otherwise protected.       | <b>YES.</b> The Project will cluster development along Bull Creek Road and the interior of the Property and away from Shoal Creek and the large oak groves located on the Property where a large amount of open space will be provided instead.  |
| 17. Provides porous pavement for at least 20 percent or more of all paved areas for non-pedestrian in non-aquifer recharge areas.   | <b>NO.</b>   |
| 18. Provides porous pavement for at least 50 percent or more of all paved areas limited to pedestrian   | <b>NO.</b>   |



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| use.  |  |
| 19. Provides rainwater harvesting for landscape irrigation to serve not less than 50% of the landscaped areas.  | <b>NO.</b> Due to the size of the proposed parks in particular, this option is not feasible for this Project.  |
| 20. Directs stormwater runoff from impervious surfaces to a landscaped area at least equal to the total required landscape area.  | <b>YES.</b> The Project will direct stormwater runoff from impervious surfaces to a landscaped area at least equal to the total required landscape area.   |
| 21. Employs other creative or innovative measures to provide environmental protection.  | <p><b>YES.</b> The Project will provide flood mitigation for the 9.39 acres of existing impervious cover on site that is not currently detained. The current state office development does not have any detention or flood control facilities, and current code does not require new development to detain for existing impervious cover. If the Project participates in the RSMP, the RSMP fee will be paid as if the current 9.39 acres of impervious cover does not exist.</p> <p>The City of Austin Watershed Protection Department will choose the most effective flood mitigation option for the site, which may include onsite detention in compliance with the Environmental Criteria Manual or RSMP participation, at the time of commercial site plan or residential subdivision application. The City of Austin selected flood mitigation option will be required to demonstrate no downstream adverse impact up to the confluence of Shoal Creek with Lady Bird Lake.</p> <p>Additionally, the Project will provide educational signage for the Wetland CEF.</p> |
| C. <u>Austin Green Builder Program</u> – Provides a rating under the Austin Green Builder Program of three stars or above.  | <b>NO.</b> While certain buildings and development within the Project may meet or exceed a 3-star rating, requiring such compliance for all such buildings and development is not feasible.  |
| D. <u>Art</u> – Provides art approved by the Art in Public Places Program in open spaces, either by providing the art directly or by making a contribution to the City's Art in Public Places Program or a successor program. | <b>YES AS MODIFIED.</b> The Project will provide art in public places through development of a public art plan developed by the Applicant that will consist of a minimum of three (3) significant art pieces. The Applicant will consult with and consider the   |

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|   | City's Art in Public Places (AIPP) program in implementing this program.   |
| E. <u>Great Streets</u> – Complies with City's Great Streets Program, or a successor program. Applicable only to commercial, retail, or mixed-use development that is not subject to the requirements of <a href="#">Chapter 25-2</a> , Subchapter E ( <i>Design Standards and Mixed Use</i> ).   | <b>YES AS MODIFIED.</b> The Project will provide private street cross sections that will meet the intent and purposes of the Great Streets Program through its Project Design Guidelines.  |
| F. <u>Community Amenities</u> –<br>1. Provides community or public amenities, which may include spaces for community meetings, community gardens or urban farms, day care facilities, non-profit organizations, or other uses that fulfill an identified community need.<br>2. Provides publicly accessible multi-use trail and greenway along creek or waterway. | <b>YES.</b> The Project will provide community and public amenities including spaces for community meetings, gatherings and other community needs, and publicly accessible multi-use trails and greenways along Shoal Creek. The project will also provide a pedestrian and bicycle bridge across Shoal Creek.   |
| G. <u>Transportation</u> – Provides bicycle facilities that connect to existing or planned bicycle routes or provides other multi-modal transportation features not required by code.   | <b>YES.</b> The Project will provide (i) bicycle trails and shared use paths throughout the project that will facilitate connection to existing and planned bike routes and trails, (ii) a pedestrian and bicycle bridge across Shoal Creek, (iii) a location for a B-cycle Station, (iv) at least 5 car-sharing parking spaces, (v) shower facilities in all office buildings over 10,000 SF, (vi) bike parking for a minimum of 10% of required vehicular spaces, (vii) bicycle cage parking in multifamily buildings, and (viii) improved bus stops developed in consultation with CapMetro and the neighborhood. |
| H. <u>Building Design</u> – Exceeds the minimum points required by the Building Design Options of Section 3.3.2. of <a href="#">Chapter 25-2</a> , Subchapter E ( <i>Design Standards and Mixed Use</i> ).  | <b>NO.</b> While certain buildings and development within the Project may exceed such minimum points, requiring such compliance for all such buildings and development is not feasible. The intent and purpose of such building design will be met through the Project Design Guidelines.  |
| I. <u>Parking Structure Frontage</u> – In a commercial or mixed-use development, at least 75 percent of the building frontage of all parking structures is designed for   | <b>NO.</b> While certain buildings and development within the Project may meet such percentage, requiring such compliance for all such buildings and development is not feasible.  |

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| pedestrian-oriented uses as defined in <a href="#">Section 25-2-691(C)</a> ( <i>Waterfront Overlay District Uses</i> ) in ground floor spaces.   |  |
| J. <u>Affordable Housing</u> – Provides for affordable housing or participation in programs to achieve affordable housing.   | <b>YES.</b> The Applicant will provide a substantial on-site affordable housing component as more particularly set forth in the The Grove at Shoal Creek Affordable Housing Plan.  |
| K. <u>Historic Preservation</u> – Preserves historic structures, landmarks, or other features to a degree exceeding applicable legal requirements.   | <b>NOT APPLICABLE.</b> There are no such features within the Property. However, the Applicant is willing to memorialize the prior use of the site for the education of disabled African Americans in public spaces located within the Project.   |
| L. <u>Accessibility</u> – Provides for accessibility for persons with disabilities to a degree exceeding applicable legal requirements.  | <b>YES.</b> The Project will provide for accessibility for person with disabilities to a degree exceeding applicable legal requirements.   |
| M. <u>Local Small Business</u> – Provides space at affordable rates to one or more independent retail or restaurant small businesses whose principal place of business is within the Austin metropolitan statistical area. | <b>NO.</b> While the Applicant fully intends to actively seek local small businesses for the Project and may use incentives to induce such local businesses, given the on-site affordable housing commitment, increased parks and open space commitments, and increased traffic mitigation commitments, requiring a specific criteria for affordable retail rates is not feasible. |

## EXHIBIT E

## ATTACHMENT 2

*Proposed Code Modifications*

| CHAPTER 25-1 MODIFICATIONS   |   |   |
|--|---|---|
| CODE SECTIONS TO BE MODIFIED   | CURRENT CODE LANGUAGE   | PROPOSED MODIFICATION FOR THE GROVE AT SHOAL CREEK PUD  |
| 1. <i>Definitions, Article 2, Chapter 25-1-21</i>                      | “SITE means a contiguous area intended for development, or the area on which a building has been proposed to be built or has been built. A site may not cross a public street or right-of-way.”       | “SITE means a contiguous area intended for development, or the area on which a building has been proposed to be built or has been built. A site may cross a public street or right-of-way if that public street or right-of-way is within the boundaries of The Grove at Shoal Creek PUD.”  |
| 2. <i>Parkland Requirements, Article 14, Chapter 25-1 and 25-4-211</i> | 25-1-602(A) “A subdivider or site plan applicant shall provide for the parkland needs of the residents by the dedication of suitable parkland for park and recreational purposes under this article.” | “Section 25-1-602 (Dedication of Parkland Required) is modified to provide that subdivider or site plan applicant shall provide for the parkland needs of the residents by providing suitable parkland for park and recreational purposes under the terms of The Grove at Shoal Creek Parks Plan and Parkland Improvement Agreement attached as exhibits to Planned Unit Development Ordinance No. .” |
| 3. <i>Gross Floor Area, 25-2-21(44)</i>                                | 25-1-21 “(44) GROSS FLOOR AREA means the total enclosed area of all floors in a building with a clear height of more than six feet, measured to the outside surface of the exterior walls.            | “(44) GROSS FLOOR AREA means the total enclosed area of all floors in a building with a clear height of more than six feet, measured to the outside surface of the exterior walls. The term includes loading docks and excludes atria airspace,   |



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|  | The term includes loading docks and excludes atria airspace, parking facilities, driveways, and enclosed loading berths and off-street maneuvering areas.” | parking facilities, parking structures, driveways, and enclosed loading berths and off-street maneuvering areas.”  |
| <b>CHAPTER 25-2 MODIFICATIONS</b>  |  |  |
| <b>CODE SECTIONS TO BE MODIFIED</b>  | <b>CURRENT CODE LANGUAGE</b>   | <b>PROPOSED MODIFICATION FOR THE GROVE AT SHOAL CREEK PUD</b>  |
| 4. <i>Site Development Regulations, 25-2-492</i>   | Not applicable.  | The Applicant proposes that the site development regulations applicable to the Property be as shown on the Land Use Plan   |
| 5. <i>Site Development Regulations, 25-2-492 and Height, 25-1-21(47)</i>   | City staff interprets a parking level to be a “story” for the purposes of determining compliance with site development regulations.                        | “In determining compliance with the applicable height limitations, a parking level shall not be and is not considered a ‘story’.”  |
| 6. <i>Visual Screening, 25-2-1006</i>  | 25-2-1006 Visual Screening of certain features   | “Section 25-2-1006 (A) shall not apply to any water quality and/ or storm water drainage facility that serves as an amenity or to any Green Storm Water Quality Infrastructure as defined in the Environmental Criteria Manual, except that any green infrastructure hardened outfalls and control structures should still be buffered from public ROW. Section 25-2-1006 (C) shall not apply between uses or sites that are both located within the PUD boundaries. This section shall still apply at the boundaries of the PUD.” |
| 7. <i>Planned Unit Development Regulations, Chapter 25-2, Subchapter B, Article 2, Division 5, Section 3.2.3.D.1</i> | “D. the minimum front yard and street side yard setbacks, which must be not less than the greater of:  | “Chapter 25-2, Subchapter B, Article 2, Division 5, Section 3.2.3.D.1 shall not apply to the PUD. Notwithstanding the foregoing the remainder of that section  |

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|  | 1. 25 feet for a front yard, and 15 feet for a street side yard; or”   | shall apply to the PUD.”   |
| <p>8. <i>Compatibility Standards, Chapter 25-2, Article 10</i></p> <p><b><i>NOTE: This Code modification only applies where the triggering property is located within the PUD. This Code modification does not apply where the triggering property is located outside the PUD. This Code modification is identical to the one granted in the Mueller PUD</i></b></p> | Chapter 25-2, Article 10, Compatibility Standards applied to triggering property within the PUD only   | “Chapter 25-2, Article 10 (Compatibility Standards) does not apply only where development within the PUD triggers such compatibility standards. Notwithstanding the foregoing, Chapter 25-2, Article 10 (Compatibility Standards) shall apply, except as provided herein, where development outside of the PUD triggers such compatibility standards.”   |
| 9. <i>Compatibility Standards, 25-2-1063(C)(2) and (3)</i>   | <p>25-2-1063(C) “(2) three stories and 40 feet, if the structure is more than 50 feet and not more than 100 feet from property:</p> <p>(a) in an SF-5 or more restrictive zoning district; or (b) on which a use permitted in an SF-5 or more restrictive zoning district is located;</p> <p>(3) for a structure more than 100 feet but not more than 300 feet from property zoned SF-5 or more restrictive, 40 feet plus one foot for each 10 feet of distance in excess of 100 feet from the property zoned SF-5 or more restrictive;”</p> | “In the rectangular area of land in Tract B that is bounded by (i) the property line adjacent to Bull Creek Road on the west, (ii) a line 240 feet east from the property line adjacent to Bull Creek Road on the east, (iii) a line that is 200 feet south of the northern property line on the north, and (iv) a line that is 630 feet south of the northern property line on the south, Section 25-2-1063(C) (2) of the Austin City Code shall not apply, and Section 25-2-1063(C)(3) is modified to read to provide that for a structure more than 50 feet but not more than 300 feet from the property zoned SF-5 or more restrictive, height may be limited to 60’.” |
| 10. <i>Compatibility Standards, 25-2-1067(G) and (H)</i>   | 25-2-1067 “(G) Unless a parking area or driveway is on a site that is less than 125 feet wide, a parking area or driveway may not be constructed 25 feet or less from a  | “Section 25-2-1067(G) and (H) of the Austin City Code shall not apply to Tract A only, with respect to the construction of an alley, public road, trails and/or sidewalks.”  |

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|  | lot that is: (1) in an SF-5 or more restrictive zoning district; or (2) on which a use permitted in an SF-5 or more restrictive zoning district is located.”   |   |
| 11. <i>Commercial Design Standards, Subchapter E, Chapter 25-2</i> | Chapter 25-2, Subchapter E, Design Standards and Mixed Use   | “The Grove at Shoal Creek Design Guidelines generally address the physical relationship between commercial and other nonresidential development and adjacent properties, public streets, neighborhoods, and the natural environment, in order to implement the City Council's vision for a more attractive, efficient, and livable community. The requirements of Chapter 25-2, Subchapter E of the Austin City Code shall not apply to the property. All requirements in the Austin City Code that reference Chapter 25-2, Subchapter E shall be modified to refer to such Design Guidelines.” |
| <b>CHAPTER 25-4 MODIFICATIONS</b>                                  |  |   |
| <b>CODE SECTIONS TO BE MODIFIED</b>                                | <b>CURRENT CODE LANGUAGE</b>   | <b>PROPOSED MODIFICATION FOR THE GROVE AT SHOAL CREEK PUD</b>   |
| 12. <i>Alleys, 25-4-132(B)</i>                                     | 25-4-132 “(B) Off-street loading and unloading facilities shall be provided on all commercial and industrial lots, except in the area described in Subsection (C). The subdivider shall note this requirement on a preliminary plan and a plat.” | “Off-street loading and unloading shall be provided on all commercial lots, except that loading and unloading may also occur in any alley that also serves as a fire lane. The subdivider shall note this requirement on a preliminary plan and a plat.”  |
| 13. <i>Block Length, 25-4-153</i>                                  | 25-4-153 Block Length requirements   | “Section 25-4-153 of the Austin City Code shall not apply to the property.”   |
| 14. <i>Secondary Street Access, 25-4-157</i>                       | Section 25-4-157 – Subdivision Access Streets  | “Section 25-4-157 of the Austin City Code shall not apply to the property.”   |

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| 15. <i>Lots on Private Streets, 25-4-171(A)</i>   | “(A) Each lot in a subdivision shall abut a dedicated public street.”   | “(A) Each lot in a subdivision shall abut a public street, private street or private drive subject to a permanent access easement.”   |
| 16. <i>Parkland Requirements, Article 14, Chapter 25-1 and 25-4-211</i><br><br><i>[NOTE: this is the same as No. 1 above]</i> | 25-4-211 “The platting requirement for parkland dedication is governed by Chapter 25-1, Article 14 (Parkland Dedication).”  | “The platting requirement for parkland dedication is modified to provide that such requirement is governed by the terms of The Grove at Shoal Creek Planned Unit Parks Plan and Parkland Improvement Agreement attached as exhibits to Development Ordinance No. _____. ” |
| 17. <i>Public Street Alignment, 25-4-151</i>  | 25-4-151 “Streets of a new subdivision shall be aligned with and connect to existing streets on adjoining property unless the Land Use Commission determines that the Comprehensive Plan, topography, requirements of traffic circulation, or other considerations make it desirable to depart from the alignment or connection.” | “Notwithstanding Section 25-4-151 of the Austin City Code, the private drives and/ or private streets within the property may be aligned with and connect to existing or future streets on adjoining property.”   |
| 18. <i>Dead-End Streets, 25-4-152(A)</i>  | 25-4-152 “(A) A street may terminate in a cul-de-sac if the director determines that the most desirable plan requires laying out a dead-end street.”  | “A street may terminate in a cul-de-sac if the director determines that the most desirable plan requires laying out a dead-end street, or may terminate in a connection with the private drives and/ or private streets within the property.”                             |
| <b>CHAPTER 25-6 MODIFICATIONS</b>   |   |   |
| <b>CODE SECTIONS TO BE MODIFIED</b>   | <b>CURRENT CODE LANGUAGE</b>  | <b>PROPOSED MODIFICATION FOR THE GROVE AT SHOAL CREEK PUD</b>   |
| 19. <i>Street Design, 25-6-171(A)</i>   | “(A) Except as provided in Subsections (B) and (C), a roadway, street, or alley must be designed and constructed in accordance with the Transportation  | “A roadway, private drive, street or alley must be designed and constructed in accordance with The Grove at Shoal Creek Design Guidelines. The Transportation   |



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|  | Criteria Manual and City of Austin Standards and Standard Specifications.  | Criteria Manual and City of Austin Standards and Standard Specifications shall apply to the extent they do not conflict with The Grove at Shoal Creek Design Guidelines.”  |
| <b>CHAPTER 25-8 MODIFICATIONS</b>      |  |  |
| <b>CODE SECTIONS TO BE MODIFIED</b>    | <b>CURRENT CODE LANGUAGE</b>   | <b>PROPOSED MODIFICATION FOR THE GROVE AT SHOAL CREEK PUD</b>  |
| 20. <i>Heritage Trees, 25-8-641(B)</i> | “(B) A permit to remove a heritage tree may be issued only if a variance is approved under Section 25-8-642 ( <i>Administrative Variance</i> ) or 25-8-643 ( <i>Land Use Commission Variance</i> ).” | <p>“A permit to remove a heritage tree may be issued only if:</p> <p>(1) a variance is approved under Section 25-8-642 (<i>Administrative Variance</i>) or (25-8-643) <i>Land Use Commission Variance</i>, or</p> <p>(2) the tree is indicated as "Trees that May Be Removed" on The Grove at Shoal Creek Tree Survey and Disposition Plan as attached to The Grove at Shoal Creek Planned Unit Development Ordinance No. _____. Sections 25-8-642 and 25-8-643 shall not apply to the trees indicated as "Trees that May Be Removed" on The Grove at Shoal Creek Tree Survey and Disposition Plan. Specifically, the Heritage Trees that may be removed under this paragraph are identified as tag numbers 3076, 3077, 3078, 3079, 3080, 3201, 3202, 3203, 3204, 3207, and 3232.</p> <p>A permit issued under 25-8-642 (A) (2) shall require mitigation at the rates prescribed on The Grove at Shoal Creek</p> |

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|   |  | <p>Tree Survey and Disposition Plan.</p> <p>(3) Administrative variances under 25-8-642 for trees indicated to be saved on The Grove at Shoal Creek Tree Survey and Disposition Plan may be granted only for trees that are dead, diseased, or hazardous under paragraph (A) of that section. Variances for removal under Paragraph (C) for reasonable use shall not be allowed for these trees.”</p> |
| <b>CHAPTER 25-10 MODIFICATIONS</b>                                  |  |   |
| <b>CODE SECTIONS TO BE MODIFIED</b>                                 | <b>CURRENT CODE LANGUAGE</b>                             | <b>PROPOSED MODIFICATION FOR THE GROVE AT SHOAL CREEK PUD</b>   |
| 21. 25-10-1 - <i>Applicability</i>                                  | 25-10-1 – Applicability                                  | “(D) To the extent they are in conflict, the signage standards set forth in the Design Guidelines for The Grove at Shoal Creek shall supersede this chapter.”   |
| 22. 25-10-103 – <i>Signs Prohibited in the Public Right-of-Way.</i> | 25-10-103 – Signs Prohibited in the Public Right-of-Way. | “Section 25-10-103 of the Austin City Code shall not apply to the public Right-of-Way dedicated for the Jackson Avenue Extension within the boundaries of The Grove at Shoal Creek PUD as identified on the Roadway Framework Plan.”  |
| 23. 25-10-191 – <i>Sign Setback Requirements.</i>                   | 25-10-191 – Sign Setback Requirements.                   | “Section 25-10-191 of the Austin City Code shall not apply for setbacks from the public Right-of-Way dedicated for the Jackson Avenue Extension within the boundaries of The Grove at Shoal Creek PUD as identified on the Roadway Framework Plan.”   |
| <b>DRAINAGE CRITERIA MANUAL MODIFICATIONS</b>                       |  |   |

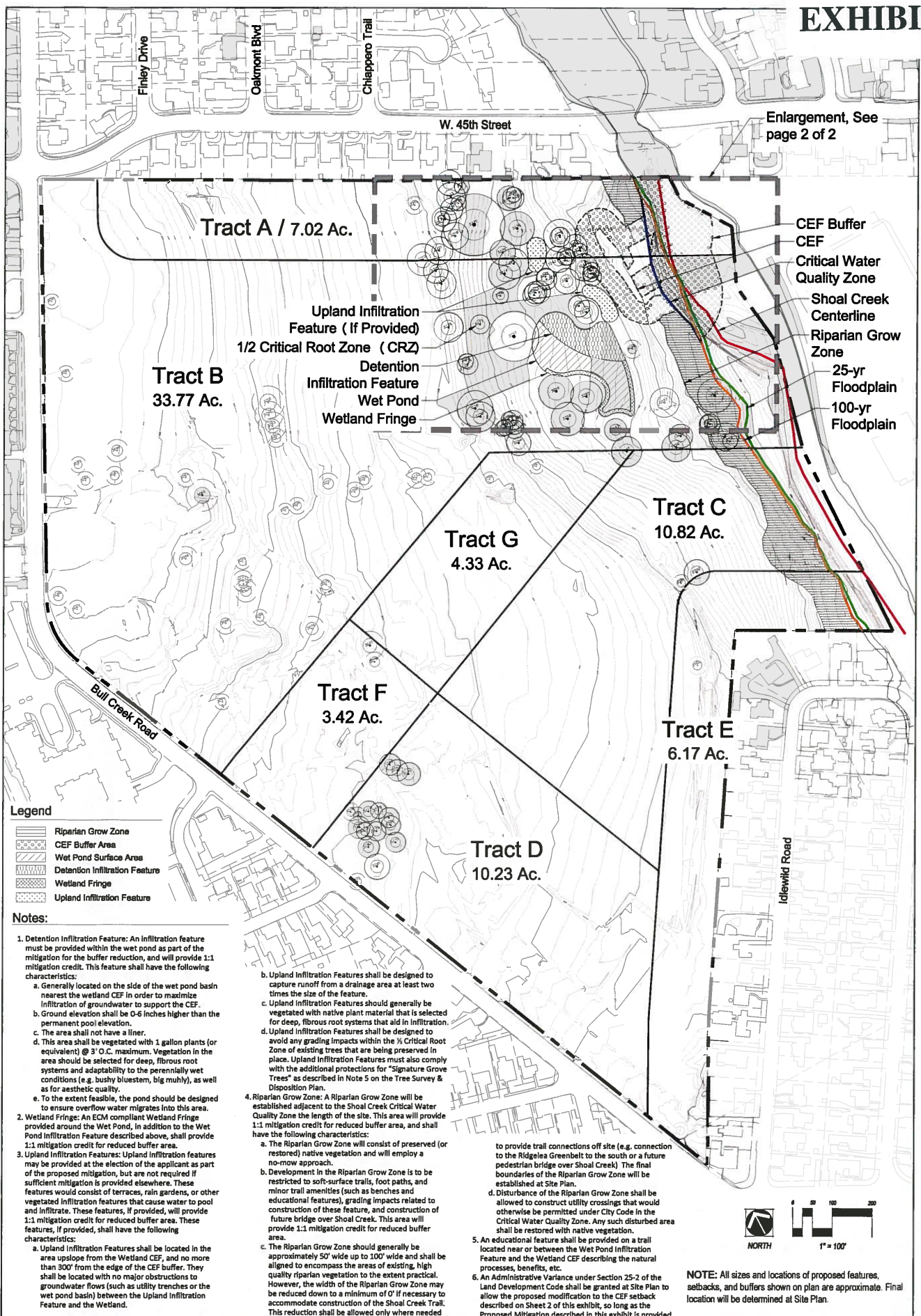
| DCM SECTIONS TO BE MODIFIED   | CURRENT DCM LANGUAGE   | PROPOSED MODIFICATION FOR<br>THE GROVE AT SHOAL CREEK PUD   |
|---|--|---|
| 24. <i>Fencing Requirements for Drainage Facilities, Section 1.2.4.E.1(a)</i>                   | DCM Section 1.2.4.E “1. (a) Where a portion of the stormwater facility either has an interior slope or wall steeper than three (3) feet horizontal to one (1) foot vertical with a height exceeding one (1) foot, or, an exterior slope or wall steeper than three (3) feet horizontal to one (1) foot vertical with a height exceeding three (3) feet above adjacent ground, barrier-type fences at least six (6) feet high, and/or steel grating are required for all single-family or duplex residential development, City maintained stormwater facilities, and/or for any privately maintained stormwater facilities located within 500 feet of a residential structure. Barrier type fences include, but are not limited to chain link, solid wood, masonry, stone or wrought iron.” | “1. (a) Where a portion of the stormwater facility either has an interior slope or wall steeper than three (3) feet horizontal to one (1) foot vertical with a height exceeding one (1) foot, or, an exterior slope or wall steeper than three (3) feet horizontal to one (1) foot vertical with a height exceeding three (3) feet above adjacent ground, steel grating is required for all single-family or duplex residential development, City maintained stormwater facilities, and/or for any privately maintained stormwater facilities located within 500 feet of a residential structure. |
| <b>ENVIRONMENTAL CRITERIA<br/>MANUAL MODIFICATIONS</b>  |  |   |
| ECM SECTIONS TO BE MODIFIED   | CURRENT ECM LANGUAGE   | PROPOSED MODIFICATION FOR<br>THE GROVE AT SHOAL CREEK PUD   |
| 25. <i>Maintenance Responsibilities for Water Quality Control Facilities, Section 1.6.3.A.4</i> | 4. obtain final warranty release approval from the Watershed Protection Department.<br>The City will also maintain water   | “4. obtain final warranty release approval from the Watershed Protection Department. Water quality control facilities at The Grove at Shoal Creek   |

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|  | quality control facilities designed to service primarily publicly owned roads and facilities. These water quality control facilities must be designed and built according to the appropriate city standards.   | PUD that treat publicly owned roads and facilities within and adjacent to The Grove at Shoal Creek PUD may be privately maintained.”   |
| <b>TRANSPORTATION CRITERIA<br/>MANUAL MODIFICATIONS</b>      |  |  |
| <b>TCM SECTIONS TO BE MODIFIED</b>                           | <b>CURRENT TCM LANGUAGE</b>  | <b>PROPOSED MODIFICATION FOR<br/>THE GROVE AT SHOAL CREEK PUD</b>  |
| 26. <i>Classification Design Criteria, Section 1.3.2.B.2</i> | <p>2. Collector, Neighborhood.</p> <p>A neighborhood collector street is characterized by serving several districts or subdivisions. Neighborhood collector streets provide limited access to abutting property and may provide on-street parking, except where bus routes can be expected. Typically multifamily developments, schools, local retail developments and public facilities are located adjacent to neighborhood collectors. Direct driveway access for detached houses should be discouraged (see Figure 1-28 in Appendix H of this manual for design criteria).</p> | <p>2. Collector, Neighborhood.</p> <p>The Extension of Jackson Avenue in The Grove at Shoal Creek PUD as identified on the Roadway Framework Plan shall be considered a Neighborhood Collector and shall be designed per The Grove at Shoal Creek Design Guidelines. The cross section and any other design information contained in those design guidelines shall supersede any requirements of the Transportation Criteria Manual. All other circulation routes within The Grove including internal circulation routes and alleys shall be considered as private driveways and intersections with these driveways shall be subject to the 50’ minimum spacing for Neighborhood Collectors.</p> |
| 27. <i>Classification Design Criteria, Section 1.3.2.F</i>   | F. Single Outlet Streets   | “The Jackson Avenue Extension shall not be considered a Single Outlet Street upon  |



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|  |  | the construction of any publicly accessible private street, drive, or internal circulation route that is open to the public and connects Jackson Avenue to Bull Creek Road.” |
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## EXHIBIT F



# The Grove at Shoal Creek Planned Unit Development Environmental Resource Exhibit

Exhibit F

April 11, 2016

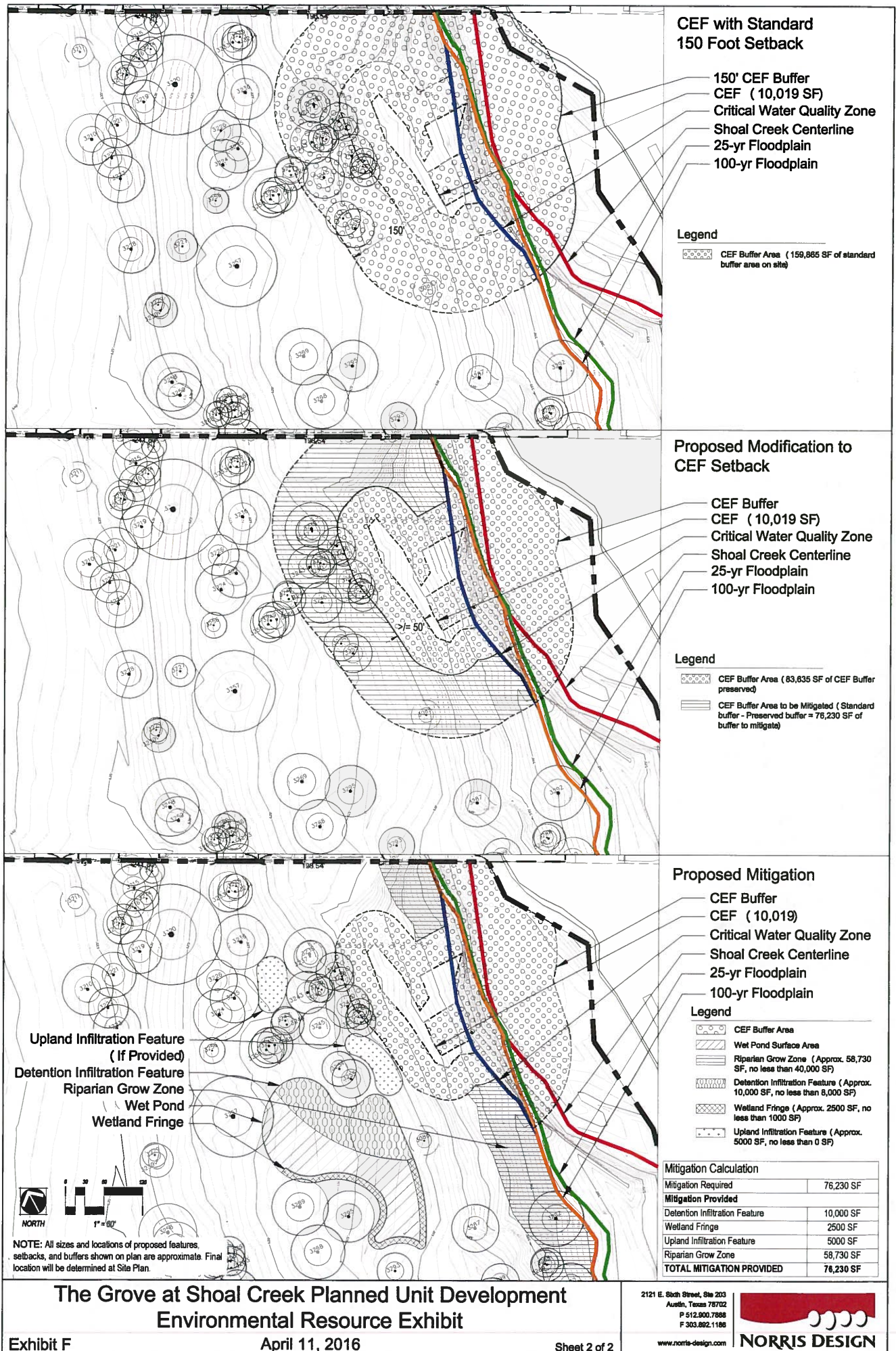
Sheet 1 of 2

2121 E. Sixth Street, Ste 203  
Austin, Texas 78702  
P 512.900.7888  
F 303.892.1188

www.norris-design.com

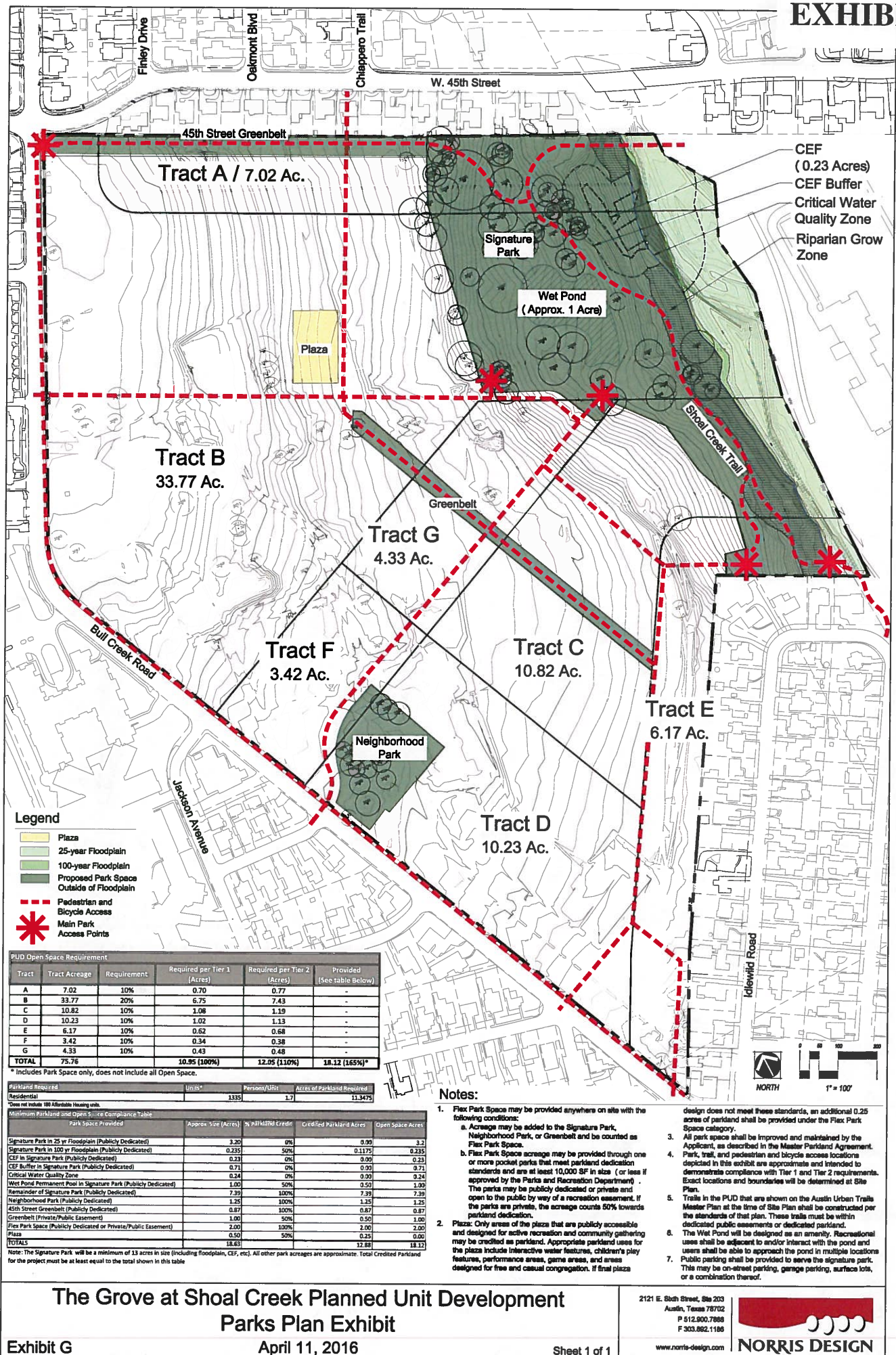








## EXHIBIT G



# The Grove at Shoal Creek Planned Unit Development

## Parks Plan Exhibit

Exhibit G

April 11, 2016

Sheet 1 of 1

2121 E. 51st Street, Ste 203  
Austin, Texas 78702  
P 512.900.7888  
F 303.882.1188

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## EXHIBIT H

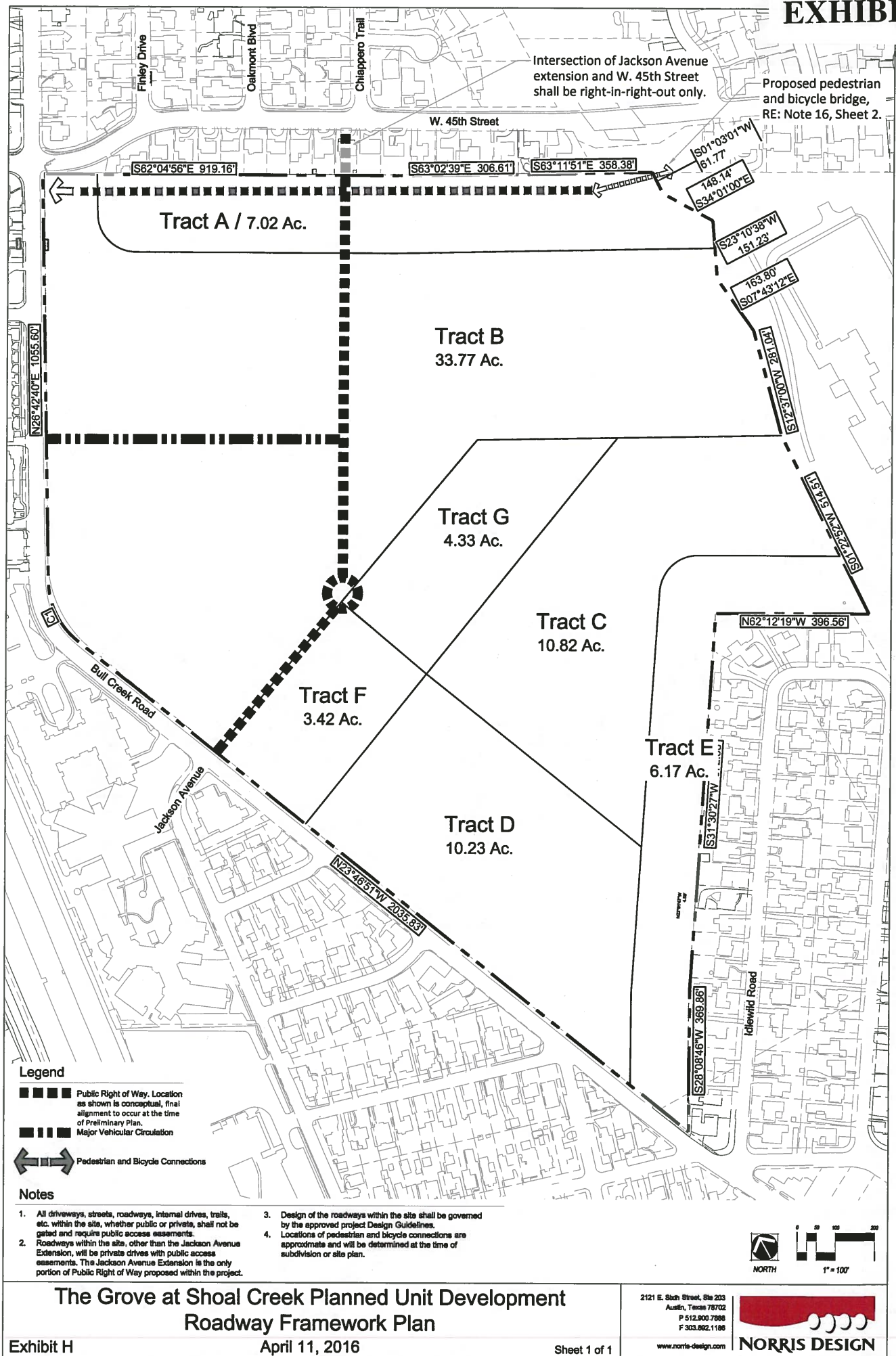




EXHIBIT I



JHP NORRIS DESIGN

EXHIBIT I

The Grove at Shoal Creek  
Austin, Texas

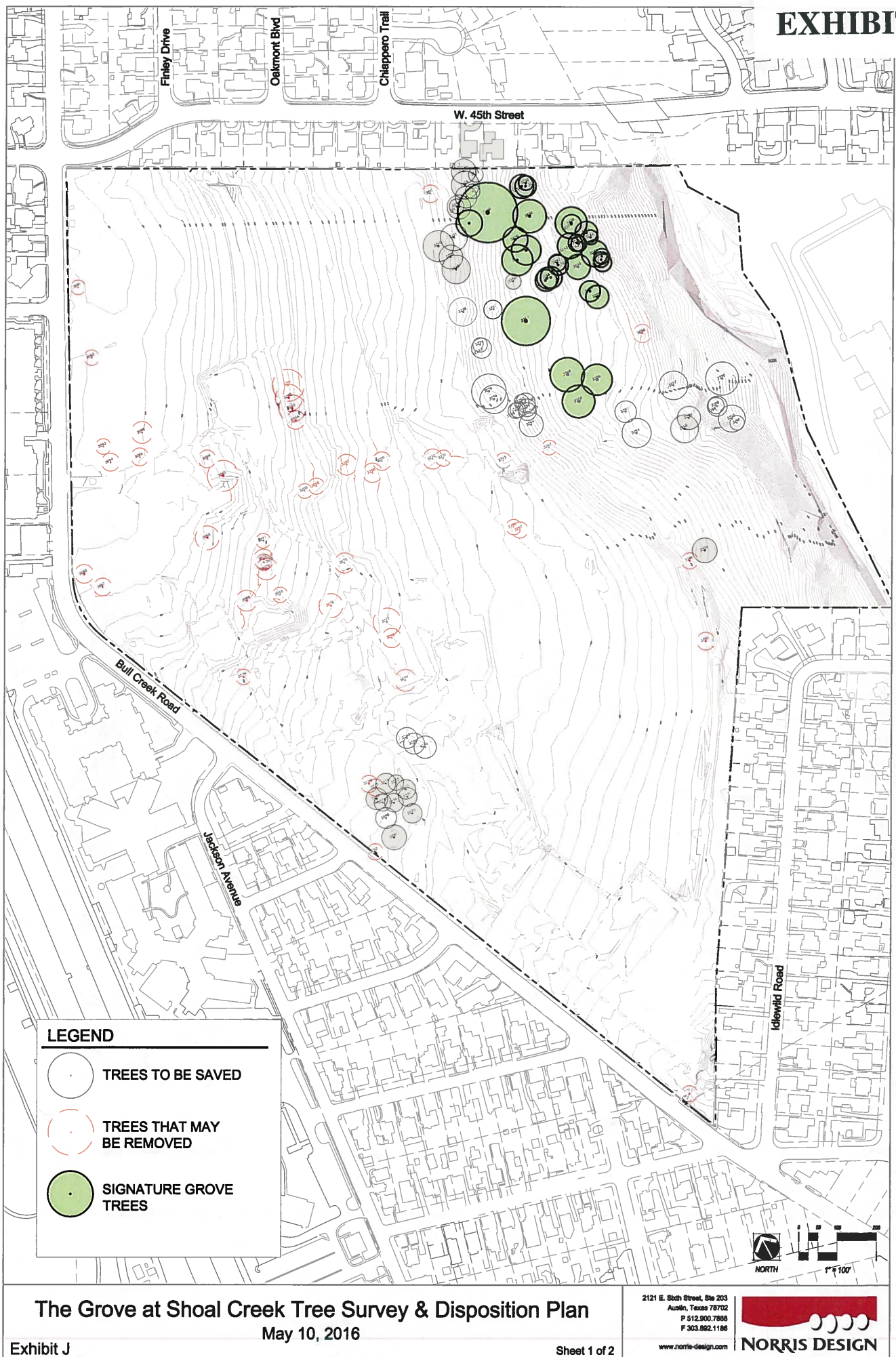
NORTH  
SCALE: 1"=100'  
\*Not a final site plan







## EXHIBIT J



## THE GROVE AT SHOAL CREEK TREE SURVEY

| TREE # | SPECIES            | DBH | TOTAL APPENDIX F PROTECTED TREES SURVEYED |                | TOTAL APPENDIX F TREE INCHES TO BE SAVED |                | TOTAL APPENDIX F TREE INCHES MAY BE REMOVED |                | TOTAL INVASIVE TREES INCHES REMOVED (NO MITIGATION) | ARBORIST RATINGS<br>*SEE ARBORIST REPORT<br>(NR = NO RATING) |
|--------|--------------------|-----|---|----------------|--|----------------|---|----------------|---|--|
|        |                    |     | HERITAGE                                  | PROTECTED >10" | HERITAGE                                 | PROTECTED >10" | HERITAGE                                    | PROTECTED >10" |   |  |
| 3364   | LIVE OAK           | 23  | 20  |                |  |                |   | 20             |   | 3/4  |
| 3365   | COTTONWOOD         | 40  | 40  |                |  |                |   | 40             |   | 2  |
| 3366   | CHINESE TALLOW     | 33  |   |                |  |                |   |                | 33  | 3  |
| 3367   | PECAN              | 23  | 23  |                |  |                |   | 23             |   | 3  |
| 3368   | PECAN              | 20  | 20  |                |  |                |   | 20             |   | 3/4  |
| 3369   | HACKBERRY (M)      | 27  | 27  |                |  |                |   | 27             |   | 2  |
| 3370   | CHINA MYRTLE       | 22  |   |                |  |                |   |                |   | 3  |
| 3371   | CHINA MYRTLE       | 18  |   |                |  |                |   |                |   | 3  |
| 3372   | ARBORVITAE         | 28  |   |                |  |                |   |                |   | 1  |
| 3373   | LIGUSTRUM (S)      | 25  |   |                |  |                |   |                | 25  | NR   |
| 3374   | PECAN (M)          | 18  | 18  |                |  |                |   | 18             |   | 2  |
| 3375   | PECAN (M)          | 22  | 22  |                |  |                |   | 22             |   | 3  |
| 3376   | PECAN (M)          | 31  | 31  |                |  |                | 31  |                |   | 3  |
| 3377   | PECAN (M)          | 27  | 27  |                |  |                | 27  |                |   | 2/3  |
| 3378   | PECAN (M)          | 24  | 24  |                |  |                | 24  |                |   | 3  |
| 3379   | PECAN (M)          | 28  | 28  |                |  |                | 28  |                |   | 3  |
| 3380   | AMERICAN ELM       | 24  | 24  |                |  |                | 24  |                |   | 2  |
| 3381   | HACKBERRY          | 19  | 19  |                | 19                                       |                |   |                |   | 2  |
| 3382   | CEDAR ELM (M)      | 18  | 18  |                |  |                |   | 18             |   | 3  |
| 3383   | CHINESE TALLOW     | 23  |   |                |  |                |   |                | 23  | 3  |
| 3384   | CHINESE TALLOW     | 23  |   |                |  |                |   |                | 23  | 3  |
| 3385   | CHINESE TALLOW     | 23  |   |                |  |                |   |                | 23  | 3  |
| 3386   | CHINESE TALLOW (M) | 28  |   |                |  |                |   |                | 28  | NR   |
| 3388   | PECAN (M)          | 23  | 23  |                |  |                |   | 23             |   | NR   |
| 3390   | CHINA BERRY (M)    | 23  |   |                |  |                |   |                | 23  | 2  |
| 3391   | PECAN (M)          | 26  | 26  |                |  |                | 26  |                |   | 2/3  |
| 3392   | PECAN (M)          | 26  | 26  |                |  |                | 26  |                |   | 2  |
| 3393   | PECAN (M)          | 24  | 24  |                |  |                | 24  |                |   | 3  |
| 3394   | PECAN (M)          | 24  | 24  |                |  |                | 24  |                |   | 3  |
| 3395   | CEDAR ELM          | 19  | 19  |                |  |                |   | 19             |   | 2  |
| 3396   | CEDAR ELM          | 21  | 21  |                |  |                |   | 21             |   | 2  |
| 3397   | PECAN (M)          | 25  | 25  |                |  |                | 25  |                |   | 2  |
| 3398   | PECAN (M)          | 18  | 18  |                |  |                |   | 18             |   | 2  |
| 3399   | PECAN              | 23  | 23  |                |  |                |   | 23             |   | 2/3  |
| 3400   | LIVE OAK           | 32  | 32  | 32             |  |                |   |                |   | 2/3  |
| 3411   | CEDAR ELM          | 23  | 23  |                |  |                |   | 23             |   | 2/3  |
| 3412   | LIVE OAK           | 31  | 31  | 31             |  |                |   |                |   | 3  |
| 3413   | LIVE OAK           | 19  | 19  |                |  |                |   | 19             |   | 3  |
| 3414   | CEDAR ELM          | 19  | 19  |                |  |                |   | 19             |   | 3/4  |
| 3415   | LIVE OAK           | 38  | 38  | 38             |  |                |   |                |   | 3  |
| 3416   | LIVE OAK           | 28  | 28  | 28             |  |                |   |                |   | 3  |
| 3417   | LIVE OAK           | 30  | 30  | 30             |  |                |   |                |   | 3/4  |
| 3418   | LIVE OAK           | 19  | 19  |                |  |                |   | 19             |   | 3/4  |
| 3419   | LIVE OAK           | 34  | 34  | 34             |  |                |   |                |   | 3/4  |
| 3420   | LIVE OAK           | 78  | 78  | 78             |  |                |   |                |   | 3/4  |
| 3421   | LIVE OAK           | 35  | 35  | 35             |  |                |   |                |   | 1  |
| 3422   | LIVE OAK           | 31  | 31  | 31             |  |                |   |                |   | 3  |
| 3423   | LIVE OAK           | 35  | 35  | 35             |  |                |   |                |   | 3/4  |
| 3424   | LIVE OAK (M)       | 40  | 40  | 40             |  |                |   |                |   | 3  |
| 3425   | LIVE OAK (M)       | 38  | 38  | 38             |  |                |   |                |   | 4  |
| 3426   | LIVE OAK (M)       | 25  | 25  | 25             |  |                |   |                |   | 3/4  |
| 3427   | CEDAR ELM          | 24  | 24  | 24             |  |                |   |                |   | 2  |
| 3428   | LIVE OAK (M)       | 37  | 37  | 37             |  |                |   |                |   | 3/4  |
| 3429   | LIVE OAK           | 19  | 19  |                |  |                |   | 19             |   | 3/4  |
| 3430   | LIVE OAK           | 28  | 28  | 28             |  |                |   |                |   | 3/4  |
| 3431   | PECAN (M)          | 21  | 21  |                |  |                |   | 21             |   | 2  |
| 3432   | PECAN (M)          | 26  | 26  |                |  |                | 26  |                |   | 2/3  |
| 3433   | LIVE OAK (M)       | 33  | 33  | 33             |  |                |   |                |   | 3/4  |
| 3434   | LIVE OAK           | 27  | 27  | 27             |  |                |   |                |   | 3/4  |
| 3435   | LIVE OAK           | 19  | 19  |                |  |                |   | 19             |   | 3  |
| 3436   | LIVE OAK           | 43  | 43  | 43             |  |                |   |                |   | 3  |
| 3437   | LIVE OAK           | 25  | 25  | 25             |  |                |   |                |   | 3/4  |
| 3438   | LIVE OAK (M)       | 41  | 41  | 41             |  |                |   |                |   | 3/4  |
| 3439   | LIVE OAK           | 22  | 22  |                |  |                |   | 22             |   | 3  |
| 3440   | LIVE OAK           | 20  | 20  |                |  |                |   | 20             |   | 3  |
| 3441   | LIVE OAK           | 28  | 28  | 28             |  |                |   |                |   | 3/4  |
| 3442   | LIVE OAK           | 19  | 19  |                |  |                |   | 19             |   | 3/4  |
| 3443   | LIVE OAK           | 33  | 33  | 33             |  |                |   |                |   | 3  |
| 3444   | LIVE OAK           | 34  | 34  | 34             |  |                |   |                |   | 3/4  |
| 3445   | LIVE OAK           | 32  | 32  | 32             |  |                |   |                |   | 3  |
| 3446   | LIVE OAK           | 26  | 26  | 26             |  |                |   |                |   | 3/4  |
| 3447   | LIVE OAK           | 22  | 22  |                |  |                |   | 22             |   | 3/4  |
| 3448   | LIVE OAK           | 28  | 28  | 28             |  |                |   |                |   | 3/4  |
| 3449   | LIVE OAK           | 28  | 28  | 28             |  |                |   |                |   | 3/4  |
| 3450   | LIVE OAK           | 28  | 28  | 28             |  |                |   |                |   | 3/4  |
| 3451   | LIVE OAK           | 20  | 20  |                |  |                |   | 20             |   | 2/3  |
| 3452   | LIVE OAK           | 20  | 20  |                |  |                |   | 20             |   | 3/4  |
| 3453   | LIVE OAK           | 23  | 23  | 23             |  |                |   |                |   | 3  |
| 3454   | LIVE OAK           | 27  | 27  |                |  |                |   | 27             |   | 3/4  |
| 3455   | LIVE OAK (M)       | 22  | 22  |                |  |                |   | 22             |   | 2  |
| 3456   | CEDAR ELM          | 20  | 20  |                |  |                |   | 20             |   | 3  |
| 3457   | LIVE OAK (M)       | 83  | 83  | 83             |  |                |   |                |   | 3/4  |
| 3458   | LIVE OAK (M)       | 45  | 45  | 45             |  |                |   |                |   | 3  |
| 3459   | LIVE OAK (M)       | 37  | 37  | 37             |  |                |   |                |   | 3  |
| 3460   | LIVE OAK           | 19  | 19  |                |  |                |   | 19             |   | 3  |
| 3461   | LIVE OAK           | 25  | 25  | 25             |  |                |   |                |   | 3  |
| 3462   | LIVE OAK           | 23  | 23  |                |  |                |   | 23             |   | 3  |
| 3463   | LIVE OAK           | 23  | 23  |                |  |                |   | 23             |   | 3  |
| 3464   | LIVE OAK           | 31  | 31  | 31             |  |                |   |                |   | 3  |
| 3465   | LIVE OAK           | 20  | 20  |                |  |                |   | 20             |   | 3  |
| 3466   | LIVE OAK           | 20  | 20  |                |  |                |   | 20             |   | 3  |
| 3467   | CEDAR ELM          | 19  | 19  |                |  |                |   | 19             |   | 3  |
| 3468   | LIVE OAK           | 42  | 42  | 42             |  |                |   |                |   | 3/4  |
| 3469   | LIVE OAK           | 44  | 44  | 44             |  |                |   |                |   | 3  |
| 3470   | LIVE OAK           | 25  | 25  | 25             |  |                |   |                |   | 4  |
| 3471   | LIVE OAK           | 24  | 24  | 24             |  |                |   |                |   | 3  |
| 3472   | LIVE OAK           | 25  | 25  | 25             |  |                |   |                |   | 4  |
| 3473   | LIVE OAK           | 20  | 20  |                |  |                |   | 20             |   | 3  |
| 3474   | LIVE OAK           | 28  | 28  | 28             |  |                |   |                |   | 2/3  |
| 3475   | LIVE OAK           | 22  | 22  |                |  |                |   | 22             |   | 3  |
| 3476   | LIVE OAK           | 22  | 22  |                |  |                |   | 22             |   | 3  |
| 3477   | LIVE OAK           | 28  | 28  | 28             |  |                |   |                |   | 4  |
| 3478   | LIVE OAK           | 22  | 22  |                |  |                |   | 22             |   | 3  |
| 3479   | LIVE OAK           | 24  | 24  | 24             |  |                |   |                |   | 3  |
| 3480   | LIVE OAK           | 27  | 27  | 27             |  |                |   |                |   | 3  |
| 3481   | LIVE OAK           | 32  | 32  | 32             |  |                |   |                |   | 4  |
| 3482   | CEDAR ELM          | 21  | 21  |                |  |                |   | 21             |   | NR   |
| 3483   | LIVE OAK           | 27  | 27  | 27             |  |                |   |                |   | 3  |
| 3484   | LIVE OAK           | 27  | 27  | 27             |  |                |   |                |   | 3  |
| 3485   | LIVE OAK           | 29  | 29  | 29             |  |                |   |                |   | NR   |
| 3486   | CEDAR ELM          | 21  | 21  |                |  |                |   | 21             |   | NR   |
| 3487   | LIVE OAK           | 40  | 40  | 40             |  |                |   |                |   | NR   |
| 3488   | LIVE OAK           | 21  | 21  |                |  |                |   | 21             |   | 3  |
| 3489   | LIVE OAK           | 23  | 23  |                |  |                |   | 23             |   | 3  |
| 3490   | LIVE OAK           | 35  | 35  | 35             |  |                |   |                |   | 3  |
| 3491   | LIVE OAK           | 19  | 19  |                |  |                |   | 19             |   | 3  |
| 3492   | LIVE OAK           | 43  | 43  | 43             |  |                |   |                |   | NR   |
| 3493   | CEDAR ELM          | 28  | 28  | 28             |  |                |   |                |   | 2  |
| 3494   | LIVE OAK           | 35  | 35  | 35             |  |                |   |                |   | 3  |
| 3495   | LIVE OAK           | 40  | 40  | 40             |  |                |   |                |   | 2  |
| 3496   | CHINA BERRY (M)    | 20  |   |                |  |                |   |                | 20  | 2  |
| 3497   | CHINA BERRY (M)    | 21  |   |                |  |                |   |                | 21  | 2  |
| 3498   | LIVE OAK           | 36  | 36  | 36             |  |                |   |                |   | 3  |
| 3499   | LIVE OAK           | 30  | 30  | 30             |  |                |   |                |   | 1/2  |
| 3500   | LIVE OAK (M)       | 32  | 32  | 32             |  |                |   |                |   | NR   |
| 3501   | CEDAR ELM          | 21  | 21  |                |  |                |   | 21             |   | NR   |
| 3502   | HACKBERRY (M)      | 20  | 20  |                |  |                |   | 20             |   | NR   |
| TOTAL  |                    |     | 1,173                                     | 1,894          | 812                                      | 286            | 482   | 216            |   |  |

H = Heritage Tree

S = Trees in the Signature Grove, see Note 5

|  |       |                             |
|--|-------|-----------------------------|
| TOTAL APPENDIX F TREE INCHES SURVEYED:       | 3,173 |                             |
| TOTAL APPENDIX F TREE INCHES SAVED:          | 2,406 | 76% OF TOTAL INCHES SAVED   |
| TOTAL APPENDIX F TREE INCHES MAY BE REMOVED: | 767   | 24% OF TOTAL INCHES REMOVED |

## Notes:

- Arborist rating 2 = poor. Trees #3080, 3202, 3207 & 3232 were rated poor by the applicant's arborist and reviewed in the field by City Arborist Michael Embesi.
- Applicant is committing to save a minimum of 75% of Appendix F (Native) Protected size trees as shown in this table. Trees shown as saved may be removed if a similar size, similar condition tree noted for removal is substituted at Site Plan review.
- A mitigation rate of 100% shall be required for trees #3080, 3202, 3207 & 3232 (note that mitigation is typically not required for trees in this condition, but a 100% mitigation rate is offered as an element of superiority). A mitigation rate of 300% shall be required for any other Heritage Trees that are removed. All other trees shall be mitigated per the Environmental Criteria Manual.
- The applicant shall provide a tree care plan for all preserved protected and heritage trees on site. The applicant shall allot a minimum of \$100 toward this plan for each inch of heritage trees removed from the site. This shall be above and beyond any mitigation required for these trees. The tree care plan shall prioritize remediation of construction impacts through air spading, root pruning, deep root fertilizing, and/or other practices as recommended by a certified arborist. Basic watering, mulching, and fencing during construction are assumed to be provided as best practices and would not count toward fulfillment of the tree care plan.
- For protected and heritage trees identified on the plan as "Signature Grove Trees", cut in the  $\frac{3}{4}$  Critical Root Zone (CRZ) shall not exceed 4". This requirement may be administratively reduced to the  $\frac{1}{2}$  CRZ if a minimum of 75% of the total area of the full CRZ is preserved and a tree care plan in the amount of \$100 per caliper inch is provided for the tree in question.
  - Any cuts within the  $\frac{3}{4}$  CRZ of these trees shall be made with an airspade or air knife and hand pruning prior to machine excavation.
  - Stormwater pipes to and from the water quality pond shall not be permitted to impact the full CRZ of Heritage Trees in the Signature Grove.
  - Where high intensity, hardscape uses are planned around heritage trees located in the signature grove, the use areas should be constructed with decks, sand bridging, or other root bridging constructions to avoid heavy disturbance or compaction of the  $\frac{1}{2}$  CRZ of these trees.
- Full tree mitigation in the form of tree plantings shall be provided within the site plan proposing the tree removal. Under no circumstances will the required tree mitigation be planted on one site plan to address the tree mitigation owed on a different site plan. Payment into the tree fund is not an acceptable form of mitigation for the trees indicated on this Plan. Regardless of maximum entitled impervious cover, applicant may need to reduce impervious cover, increase caliper of proposed trees, or provide other measures as necessary to facilitate full on site tree mitigation planting within a given site plan.

## The Grove at Shoal Creek Tree Survey & Disposition Tables

May 10, 2016

Exhibit J

Sheet 2 of 2

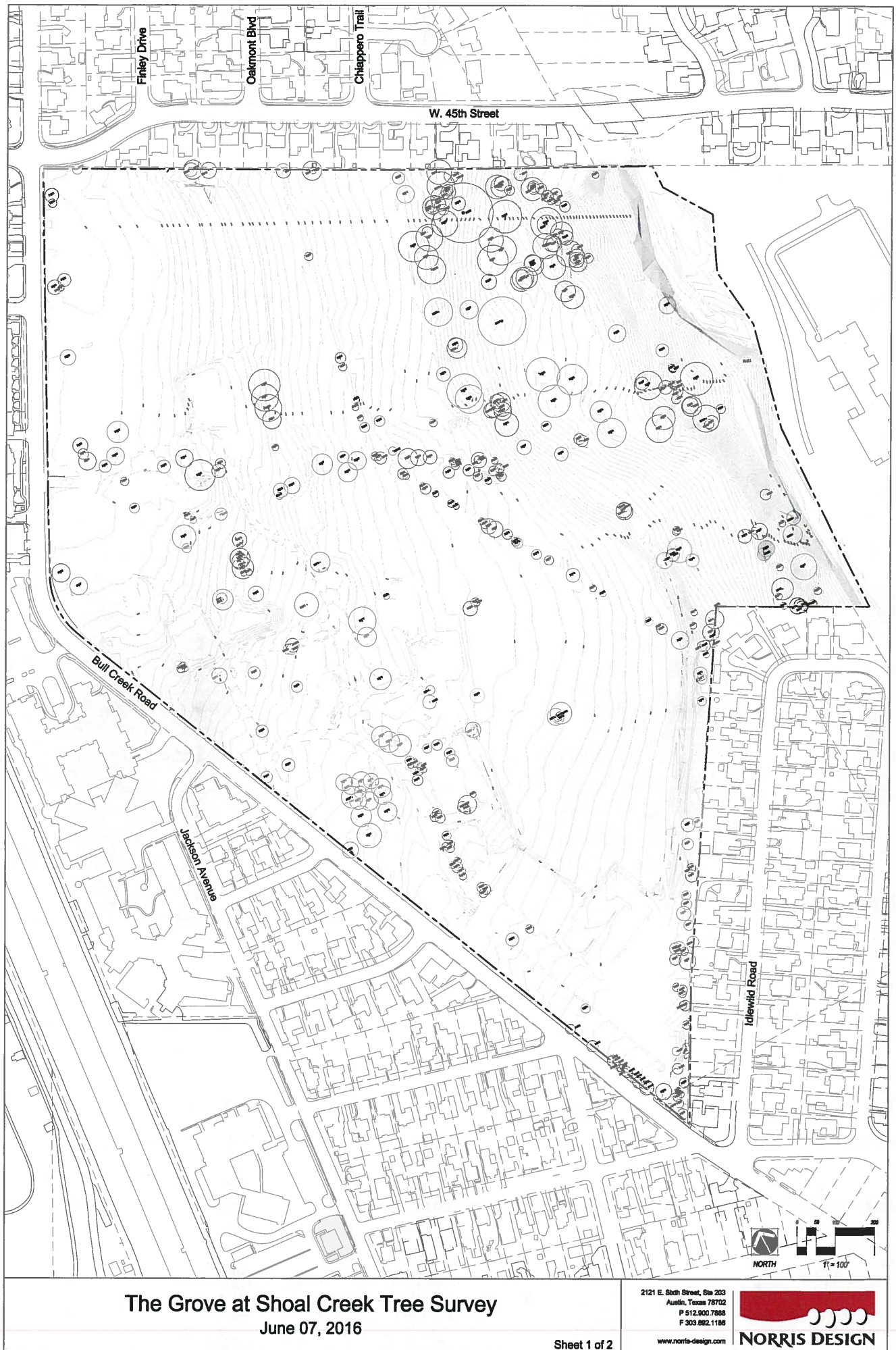
2121 E. Sixth Street, Ste 203  
Austin, Texas 78702  
P 512.900.7886  
F 503.882.1186

www.norris-design.com



NORRIS DESIGN







| TREE LIST |                        |
|-----------|------------------------|
| TAG #     | Description            |
| 3054      | 23' CEDAR ELM          |
| 3055      | 46' COTTONWOOD         |
| 3056      | 31' PECAN              |
| 3057      | 23' PECAN              |
| 3058      | 25' PECAN              |
| 3059      | 27' HACKBERRY (M)      |
| 3070      | 33' HACKBERRY (M)      |
| 3071      | 21' HACKBERRY (M)      |
| 3072      | 23' HACKBERRY (M)      |
| 3073      | 18' LIVE OAK (M)       |
| 3074      | 28' PECAN (M)          |
| 3075      | 28' PECAN (M)          |
| 3076      | 31' PECAN (M)          |
| 3077      | 38' PECAN (M)          |
| 3078      | 25' PECAN (M)          |
| 3079      | 28' PECAN (M)          |
| 3080      | 34' LIVE OAK           |
| 3081      | 18' HACKBERRY          |
| 3082      | 20' CEDAR ELM (M)      |
| 3083      | 20' CHINESE TALLOW     |
| 3084      | 23' CHINESE TALLOW     |
| 3085      | 23' CHINESE TALLOW (M) |
| 3087      | 17' PECAN              |
| 3088      | 23' PECAN (M)          |
| 3089      | 12' PECAN              |
| 3090      | 12' PECAN              |
| 3091      | 12' PECAN              |
| 3092      | 12' CHINA BERRY        |
| 3093      | 8' HACKBERRY           |
| 3094      | 18' CEDAR ELM (M)      |
| 3095      | 8' CHINA BERRY         |
| 3096      | 14' CHINA BERRY (M)    |
| 3097      | 10' PECAN              |
| 3098      | 18' PECAN              |
| 3099      | 14' PECAN              |
| 3100      | 23' CHINA BERRY (M)    |
| 3201      | 41' PECAN (M)          |
| 3202      | 38' PECAN (M)          |
| 3203      | 38' PECAN (M)          |
| 3204      | 34' PECAN (M)          |
| 3205      | 18' CEDAR ELM          |
| 3206      | 21' CEDAR ELM          |
| 3207      | 23' PECAN (M)          |
| 3208      | 23' PECAN (M)          |
| 3209      | 24' PECAN              |
| 3210      | 40' LIVE OAK           |
| 3211      | 23' CEDAR ELM          |
| 3212      | 32' LIVE OAK           |
| 3213      | 18' LIVE OAK           |

| TREE LIST |                  |
|-----------|------------------|
| TAG #     | Description      |
| 3214      | 19' PECAN        |
| 3215      | 38' LIVE OAK     |
| 3216      | 28' LIVE OAK     |
| 3217      | 31' LIVE OAK     |
| 3218      | 18' PECAN        |
| 3219      | 34' LIVE OAK     |
| 3220      | 18' LIVE OAK     |
| 3221      | 32' LIVE OAK     |
| 3222      | 31' LIVE OAK     |
| 3223      | 32' LIVE OAK     |
| 3224      | 40' LIVE OAK (M) |
| 3225      | 38' LIVE OAK (M) |
| 3226      | 32' LIVE OAK (M) |
| 3227      | 34' CEDAR ELM    |
| 3228      | 32' LIVE OAK (M) |
| 3229      | 12' LIVE OAK     |
| 3230      | 38' LIVE OAK     |
| 3231      | 21' PECAN (M)    |
| 3232      | 28' PECAN (M)    |
| 3233      | 31' LIVE OAK (M) |
| 3234      | 22' LIVE OAK     |
| 3235      | 18' LIVE OAK     |
| 3236      | 43' LIVE OAK     |
| 3237      | 28' LIVE OAK     |
| 3238      | 41' LIVE OAK (M) |
| 3239      | 22' LIVE OAK     |
| 3240      | 20' LIVE OAK     |
| 3241      | 28' LIVE OAK     |
| 3242      | 18' LIVE OAK     |
| 3243      | 33' LIVE OAK     |
| 3244      | 34' LIVE OAK     |
| 3245      | 32' LIVE OAK     |
| 3246      | 28' LIVE OAK     |
| 3247      | 22' LIVE OAK     |
| 3248      | 28' LIVE OAK     |
| 3249      | 28' LIVE OAK     |
| 3250      | 28' LIVE OAK     |
| 3251      | 28' LIVE OAK     |
| 3252      | 20' LIVE OAK     |
| 3253      | 23' LIVE OAK     |
| 3254      | 27' LIVE OAK     |
| 3255      | 36' LIVE OAK (M) |
| 3256      | 20' CEDAR ELM    |
| 3257      | 63' LIVE OAK (M) |
| 3258      | 48' LIVE OAK (M) |
| 3259      | 37' LIVE OAK (M) |
| 3260      | 18' LIVE OAK     |
| 3261      | 18' LIVE OAK     |
| 3262      | 23' LIVE OAK     |
| 3263      | 23' LIVE OAK     |

| TREE LIST |                     |
|-----------|---------------------|
| TAG #     | Description         |
| 3264      | 31' LIVE OAK        |
| 3265      | 38' LIVE OAK        |
| 3266      | 38' LIVE OAK        |
| 3267      | 18' CEDAR           |
| 3268      | 42' LIVE OAK        |
| 3269      | 44' LIVE OAK        |
| 3270      | 28' LIVE OAK        |
| 3271      | 34' LIVE OAK        |
| 3272      | 28' LIVE OAK        |
| 3273      | 28' LIVE OAK        |
| 3274      | 28' LIVE OAK        |
| 3275      | 22' LIVE OAK        |
| 3276      | 22' LIVE OAK        |
| 3277      | 28' LIVE OAK        |
| 3278      | 22' LIVE OAK        |
| 3279      | 24' LIVE OAK        |
| 3280      | 27' LIVE OAK        |
| 3281      | 32' LIVE OAK        |
| 3282      | 21' CEDAR ELM       |
| 3283      | 27' LIVE OAK        |
| 3284      | 27' LIVE OAK        |
| 3285      | 28' LIVE OAK        |
| 3286      | 21' CEDAR ELM       |
| 3287      | 37' LIVE OAK        |
| 3288      | 27' LIVE OAK        |
| 3289      | 28' LIVE OAK        |
| 3290      | 38' LIVE OAK        |
| 3291      | 19' LIVE OAK        |
| 3292      | 43' LIVE OAK        |
| 3293      | 28' CEDAR ELM       |
| 3294      | 38' LIVE OAK        |
| 3295      | 40' LIVE OAK        |
| 3296      | 28' CHINA BERRY (M) |
| 3297      | 21' CHINA BERRY (M) |
| 3298      | 38' LIVE OAK        |
| 3299      | 38' LIVE OAK        |
| 3300      | 32' LIVE OAK (M)    |
| 3301      | 14' CHINESE TALLOW  |
| 3302      | 18' CHINESE TALLOW  |
| 3303      | 11' PECAN           |
| 3304      | 13' PECAN           |
| 3305      | 11' HACKBERRY       |
| 3306      | 15' HACKBERRY       |
| 3307      | 13' HACKBERRY       |
| 3308      | 8' CHINESE TALLOW   |
| 3309      | 18' LIVE OAK        |
| 3310      | 8' HACKBERRY        |
| 3311      | 8' HACKBERRY        |
| 3312      | 8' HACKBERRY        |
| 3313      | 8' HACKBERRY        |

| TREE LIST |                        |
|-----------|------------------------|
| TAG #     | Description            |
| 3314      | 10' HACKBERRY          |
| 3315      | 8' UNKNOWN             |
| 3316      | 8' HACKBERRY           |
| 3317      | 14' HACKBERRY (M)      |
| 3318      | 12' CHINESE TALLOW (M) |
| 3319      | 8' UNKNOWN             |
| 3320      | 18' HACKBERRY (M)      |
| 3321      | 13' UNKNOWN            |
| 3322      | 17' PECAN              |
| 3323      | 8' HACKBERRY           |
| 3324      | 18' PECAN              |
| 3325      | 13' LIVE OAK           |
| 3326      | 8' CEDAR ELM           |
| 3327      | 8' LIVE OAK            |
| 3328      | 11' UNKNOWN (M)        |
| 3329      | 18' CHINA BERRY (M)    |
| 3330      | 12' CHINA BERRY        |
| 3331      | 14' CHINA BERRY (M)    |
| 3332      | 18' PECAN              |
| 3333      | 8' UNKNOWN             |
| 3334      | 12' UNKNOWN            |
| 3335      | 18' UNKNOWN            |
| 3336      | 14' CEDAR ELM          |
| 3337      | 12' CEDAR ELM          |
| 3338      | 11' HACKBERRY          |
| 3339      | 8' CHINA BERRY         |
| 3340      | 18' CHINA BERRY (M)    |
| 3341      | 14' HACKBERRY (M)      |
| 3342      | 8' HACKBERRY           |
| 3343      | 8' HACKBERRY           |
| 3344      | 14' HACKBERRY          |
| 3345      | 8' HACKBERRY           |
| 3346      | 10' HACKBERRY          |
| 3347      | 8' HACKBERRY           |
| 3348      | 8' HACKBERRY           |
| 3349      | 13' HACKBERRY          |
| 3350      | 17' CEDAR              |
| 3351      | 18' PECAN              |
| 3352      | 18' PECAN (M)          |
| 3353      | 18' PECAN              |
| 3354      | 12' CEDAR ELM          |
| 3355      | 8' CEDAR ELM           |
| 3356      | 11' CEDAR ELM          |
| 3357      | 10' CEDAR ELM          |
| 3358      | 10' CEDAR ELM          |
| 3359      | 8' CEDAR ELM           |
| 3360      | 14' LIVE OAK           |
| 3361      | 12' CEDAR ELM          |
| 3362      | 12' CEDAR ELM          |
| 3363      | 13' CEDAR ELM          |

| TREE LIST |                     |
|-----------|---------------------|
| TAG #     | Description         |
| 3364      | 12' CEDAR ELM       |
| 3365      | 10' CEDAR ELM       |
| 3366      | 10' CEDAR ELM       |
| 3367      | 11' CEDAR ELM       |
| 3368      | 18' CEDAR ELM       |
| 3369      | 8' CEDAR ELM        |
| 3370      | 14' CEDAR ELM (M)   |
| 3371      | 11' CEDAR ELM       |
| 3372      | 10' CEDAR ELM       |
| 3373      | 13' HACKBERRY       |
| 3374      | 11' CHINA BERRY     |
| 3375      | 12' CHINA BERRY (M) |
| 3376      | 12' HACKBERRY       |
| 3377      | 12' HACKBERRY (M)   |
| 3378      | 18' CHINA BERRY (M) |
| 3379      | 8' CEDAR ELM        |
| 3380      | 8' HACKBERRY        |
| 3381      | 21' CEDAR ELM       |
| 3382      | 18' HACKBERRY       |
| 3383      | 17' CEDAR ELM       |
| 3384      | 11' CHINA BERRY (M) |
| 3385      | 8' HACKBERRY        |
| 3386      | 10' CHINA BERRY (M) |
| 3387      | 11' HACKBERRY (M)   |
| 3388      | 14' CHINA BERRY (M) |
| 3389      | 8' CHINA BERRY      |
| 3390      | 12' CHINA BERRY (M) |
| 3391      | 18' CHINA BERRY     |
| 3392      | 28' HACKBERRY (M)   |
| 3393      | 28' HACKBERRY (M)   |
| 3394      | 10' HACKBERRY (M)   |
| 3395      | 12' CHINA BERRY     |
| 3396      | 8' CHINA BERRY      |
| 3397      | 12' CHINA BERRY (M) |
| 3398      | 12' CHINA BERRY     |
| 3399      | 12' CHINA BERRY     |
| 3400      | 18' CHINA BERRY     |
| 3401      | 18' HACKBERRY (M)   |
| 3402      | 18' HACKBERRY (M)   |
| 3403      | 18' HACKBERRY       |
| 3404      | 18' CEDAR ELM       |
| 3405      | 18' CEDAR ELM       |
| 3406      | 18' CEDAR ELM       |
| 3407      | 10' CEDAR ELM       |
| 3408      | 8' CEDAR ELM        |
| 3409      | 8' CEDAR ELM        |
| 3410      | 8' CEDAR ELM        |
| 3411      | 10' CEDAR ELM       |
| 3412      | 14' CEDAR ELM       |
| 3413      | 8' CEDAR ELM        |
| 3414      | 11' CEDAR ELM       |

| TREE LIST |                      |
|-----------|----------------------|
| TAG #     | Description          |
| 3415      | 18' CEDAR ELM        |
| 3416      | 18' CEDAR ELM        |
| 3417      | 18' CEDAR ELM (M)    |
| 3418      | 10' PECAN            |
| 3419      | 14' LIQUIDUM (M)     |
| 3420      | 11' CHINA BERRY      |
| 3421      | 11' CHINA BERRY (M)  |
| 3422      | 8' CHINESE ELM       |
| 3423      | 8' CHINESE ELM       |
| 3424      | 8' CHINESE ELM       |
| 3425      | 17' LIQUIDUM (M)     |
| 3426      | 14' CHINA BERRY      |
| 3427      | 11' CEDAR ELM        |
| 3428      | 12' CHINA BERRY      |
| 3429      | 8' CHINA BERRY       |
| 3430      | 12' CHINA BERRY (M)  |
| 3431      | 8' CHINA BERRY       |
| 3432      | 8' CHINA BERRY       |
| 3433      | 18' MESQUITE (M)     |
| 3434      | 8' MESQUITE          |
| 3435      | 21' MESQUITE (M)     |
| 3436      | 21' MESQUITE (M)     |
| 3437      | 21' MESQUITE (M)     |
| 3438      | 8' CEDAR ELM         |
| 3439      | 8' MESQUITE          |
| 3440      | 28' MESQUITE (M)     |
| 3441      | 8' HACKBERRY         |
| 3442      | 24' CEDAR ELM (M)    |
| 3443      | 8' HACKBERRY         |
| 3444      | 17' CEDAR ELM        |
| 3445      | 34' MESQUITE (M)     |
| 3446      | 8' CEDAR ELM         |
| 3447      | 8' CEDAR ELM         |
| 3448      | 21' CEDAR ELM (M)    |
| 3449      | 18' CEDAR ELM (M)    |
| 3450      | 19' CEDAR ELM        |
| 3451      | 18' CEDAR ELM        |
| 3452      | 11' CEDAR ELM        |
| 3453      | 11' CEDAR ELM        |
| 3454      | 14' MESQUITE (M)     |
| 3455      | 16' CEDAR ELM        |
| 3456      | 23' MESQUITE (M)     |
| 3457      | 8' LIVE OAK          |
| 3458      | 18' MESQUITE (M)     |
| 3459      | 12' MESQUITE         |
| 3460      | 22' LIVE OAK         |
| 3461      | 8' CHINA BERRY       |
| 3462      | 14' HACKBERRY        |
| 3463      | 18' LIVE OAK (M)     |
| 3464      | 18' HACKBERRY        |
| 3465      | 30' GUAI BUNELIA (M) |
| 3466      | 10' CEDAR ELM        |

| TREE LIST |                     |
|-----------|---------------------|
| TAG #     | Description         |
| 3467      | 8' CEDAR ELM        |
| 3468      | 17' PECAN           |
| 3469      | 18' CHINA BERRY (M) |
| 3470      | 8' CHINA BERRY      |
| 3471      | 8' CHINA BERRY      |
| 3472      | 10' CHINA BERRY     |
| 3473      | 12' CHINA BERRY     |
| 3474      | 12' LIVE OAK        |
| 3475      | 22' CHINA BERRY (M) |
| 3476      | 22' CHINA BERRY (M) |
| 3477      | 8' CHINA BERRY      |
| 3478      | 12' CHINA BERRY (M) |
| 3479      | 18' CHINA BERRY     |
| 3480      | 18' CHINA BERRY     |
| 3481      | 18' CHINA BERRY     |
| 3482      | 14' CEDAR ELM       |
| 3483      | 12' CHINA BERRY     |
| 3484      | 18' CHINA BERRY     |
| 3485      | 16' CEDAR ELM       |
| 3486      | 14' CEDAR ELM       |
| 3487      | 24' UNKNOWN (M)     |
| 3488      | 8' BYCAMORE         |
| 3489      | 13' CEDAR ELM (M)   |
| 3490      | 11' CEDAR ELM       |
| 3491      | 12' CEDAR ELM       |
| 3492      | 11' UNKNOWN (M)     |
| 3493      | 17' UNKNOWN         |
| 3494      | 12' UNKNOWN         |
| 3495      | 18' CEDAR ELM       |
| 3496      | 14' CEDAR ELM       |
| 3497      | 20' UNKNOWN (M)     |
| 3498      | 18' HACKBERRY (M)   |
| 3499      | 18' HACKBERRY (M)   |
| 3500      | 18' HACKBERRY (M)   |
| 3501      | 18' HACKBERRY (M)   |
| 3502      | 18' CHINA BERRY (M) |
| 3503      | 18' CHINA BERRY     |
| 3504      | 18' CHINA BERRY     |
| 3505      | 18' CHINA BERRY     |
| 3506      | 18' CHINA BERRY     |
| 3507      | 18' CHINA BERRY     |
| 3508      | 18' CHINA BERRY     |
| 3509      | 18' CHINA BERRY     |
| 3510      | 18' CHINA BERRY     |
| 3511      | 18' CHINA BERRY     |
| 3512      | 18' CHINA BERRY     |
| 3513      | 18' CHINA BERRY     |
| 3514      | 18' CHINA BERRY     |
| 3515      | 18' CHINA BERRY     |
| 3516      | 18' CHINA BERRY     |
| 3517      | 18' CHINA BERRY     |
| 3518      | 18' CHINA BERRY     |
| 3519      | 18' CHINA BERRY     |
| 3520      | 18' CHINA BERRY     |
| 3521      | 18' CHINA BERRY     |
| 3522      | 18' CHINA BERRY     |
| 3523      | 18' CHINA BERRY     |
| 3524      | 18' CHINA BERRY     |
| 3525      | 18' CHINA BERRY     |
| 3526      | 18' CHINA BERRY     |
| 3527      | 18' CHINA BERRY     |
| 3528      | 18' CHINA BERRY     |
| 3529      | 18' CHINA BERRY     |
| 3530      | 18' CHINA BERRY     |
| 3531      | 18' CHINA BERRY     |
| 3532      | 18' CHINA BERRY     |
| 3533      | 18' CHINA BERRY     |
| 3534      | 18' CHINA BERRY     |
| 3535      | 18' CHINA BERRY     |
| 3536      | 18' CHINA BERRY     |
| 3537      | 18' CHINA BERRY     |
| 3538      | 18' CHINA BERRY     |

| TREE LIST |                     |
|-----------|---------------------|
| TAG #     | Description         |
| 3539      | 11' MESQUITE (M)    |
| 3540      | 11' MESQUITE (M)    |
| 3541      | 8' CHINA BERRY      |
| 3542      | 8' CHINA BERRY      |
| 3543      | 10' CHINA BERRY     |
| 3544      | 12' CHINA BERRY     |
| 3545      | 12' LIVE OAK        |
| 3546      | 22' CHINA BERRY (M) |
| 3547      | 22' CHINA BERRY (M) |
| 3548      | 8' CHINA BERRY      |
| 3549      | 12' CHINA BERRY (M) |
| 3550      | 18' CHINA BERRY     |
| 3551      | 18' CHINA BERRY     |
| 3552      | 14' CEDAR ELM       |
| 3553      | 12' CHINA BERRY     |
| 3554      | 18' CHINA BERRY     |
| 3555      | 14' CEDAR ELM       |
| 3556      | 8' CEDAR ELM        |
| 3557      | 24' UNKNOWN (M)     |
| 3558      | 8' BYCAMORE         |
| 3559      | 13' CEDAR ELM (M)   |
| 3560      | 11' CEDAR ELM       |
| 3561      | 12' CEDAR ELM       |
| 3562      | 11' UNKNOWN (M)     |
| 3563      | 17' UNKNOWN         |
| 3564      | 12' UNKNOWN         |
| 3565      | 18' CEDAR ELM       |
| 3566      | 14' CEDAR ELM       |
| 3567      | 20' UNKNOWN (M)     |
| 3568      | 18' HACKBERRY (M)   |
| 3569      | 18' HACKBERRY (M)   |
| 3570      | 18' HACKBERRY (M)   |
| 3571      | 18' HACKBERRY (M)   |
| 3572      | 18' HACKBERRY (M)   |
| 3573      | 11' HACKBERRY (M)   |
| 3574      | 22' HACKBERRY (M)   |
| 3575      | 18' HACKBERRY (M)   |
| 3576      | 18' HACKBERRY (M)   |
| 3577      | 18' HACKBERRY (M)   |
| 3578      | 18' CHINA BERRY (M) |
| 3579      | 13' CHINA BERRY     |
| 3580      | 14' PECAN           |
| 3581      | 18' HACKBERRY       |
| 3582      | 8' PECAN            |
| 3583      | 22' CHINA BERRY (M) |
| 3584      | 8' CHINA BERRY      |
| 3585      | 8' PECAN            |
| 3586      | 13' PECAN           |

| TREE LIST |                  |
|-----------|------------------|
| TAG #     | Description      |
| 3589      | 11' MESQUITE (M) |
| 3590      | 11' MESQUITE (M) |

## Notes:

1. This Tree Survey includes all trees on the site that are 8" DBH and greater. For more detail on the Protected and Heritage trees, please reference the Tree Disposition Plan and Tables. Trees not shown on the Tree Disposition Plan (those under 19" DBH and/or not of protected species) shall be addressed per the applicable Code and will be reviewed at the time of Site Plan.

## The Grove at Shoal Creek Tree Survey

June 07, 2016

Sheet 1 of 2

2121 E. Bush Street, Ste 203  
Austin, Texas 78702  
P 512.992.7888  
F 503.882.1188  
www.norris-design.com



# EDUCATIONAL IMPACT STATEMENT

Prepared for the City of Austin

Austin Independent  
School District



**PROJECT NAME:** The Grove at Shoal Creek (Scenario #1—1,315 total units)

**ADDRESS/LOCATION:** 4205 Bull Creek Road

**CASE #:** C814-2015-0074

☒ NEW SINGLE FAMILY

☒ NEW MULTIFAMILY

☐ DEMOLITION OF MULTIFAMILY

☐ TAX CREDIT

**# SF UNITS:** 395 **STUDENTS PER UNIT ASSUMPTION**

|                                |                    |              |                |              |              |              |
|--------------------------------|--------------------|--------------|----------------|--------------|--------------|--------------|
| <i>SF Detached</i>             | Elementary School: | <u>0.117</u> | Middle School: | <u>0.034</u> | High School: | <u>0.067</u> |
| <i>SF Attached (Townhomes)</i> | Elementary School: | <u>0.038</u> | Middle School: | <u>0.011</u> | High School: | <u>0.022</u> |

**# MF UNITS:** 920 **STUDENTS PER UNIT ASSUMPTION**

|                             |                    |              |                |              |              |              |
|-----------------------------|--------------------|--------------|----------------|--------------|--------------|--------------|
| <i>Apartments</i>           | Elementary School: | <u>0.124</u> | Middle School: | <u>0.035</u> | High School: | <u>0.071</u> |
| <i>MF Attached (Condos)</i> | Elementary School: | <u>0.038</u> | Middle School: | <u>0.011</u> | High School: | <u>0.022</u> |

Two scenarios were presented to AISD by the developer for this application. Scenario #1 reflects 1,315 total units (220 students), including a mix of single-family, multifamily, townhouse and condominiums. Scenario #2 reflects 1,515 total units (211 students) including a mix of multifamily, townhouse and condominiums (no single-family detached). Please see attached table for specific information on unit types and students per unit assumptions.

This Educational Impact Statement (EIS) uses Scenario #1 which reports the higher number of estimated students (due to the inclusion of single-family detached).

This EIS was prepared using information presented by the developer on September 10, 2015. As the development parameters are refined, a revised subsequent EIS may be prepared for the Planning Commission. The Planning Commission date is pending.

## IMPACT ON SCHOOLS

Because the proposed development is not typical of most residential developments within the district, the staff consulted with the district's demographer, Davis Demographics & Planning to calculate the student yield. Based on an analysis of the information provided by the developer, the number of students per unit from a Planned Unit Development (PUD) with similar residential patterns within the district was used as the basis for estimating the number of students for this proposed project.

The mixed use development with 1,315 residential units is projected to add approximately 220 students across all grade levels to the projected student population. It is estimated that of the 220 students, 118 will be assigned to Bryker Woods Elementary School, 34 to O. Henry Middle School, and 68 at Austin High School.

## EDUCATIONAL IMPACT STATEMENT

*Prepared for the City of Austin*

Austin Independent  
School District



The percent of permanent capacity by enrollment for SY 2019-20, including the additional students projected with this development, would be within the target range of 75-115% for all three schools (Bryker Woods at 115%; O. Henry at 109% and Austin at 101%), assuming the mobility rates remain the same.

In the event that enrollment should exceed 115% of permanent capacity at any of the schools, the administration would closely monitor enrollment and possibly discuss intervention strategies with the school community to address overcrowding.

---

### TRANSPORTATION IMPACT

Bryker Woods Elementary School is located within 2 miles of the proposed development; therefore students would not qualify for transportation unless a hazardous route condition was identified. Students within the proposed development attending O. Henry Middle School and Austin High School will qualify for transportation due to the distance from the proposed development to the schools. Due to the relatively high number of students anticipated from the development, one new bus at each secondary school will most likely be needed to accommodate the additional bus riders.

---

### SAFETY IMPACT

There are no known safety impacts at this time.

Date Prepared: 10/05/2015

Director's Signature: Paul Turner



# EDUCATIONAL IMPACT STATEMENT

Prepared for the City of Austin

Austin Independent  
School District



## DATA ANALYSIS WORKSHEET

|   |                                |
|---|--------------------------------|
| <b>ELEMENTARY SCHOOL:</b> Bryker Woods            | <b>RATING:</b> Met Standard    |
| <b>ADDRESS:</b> 3309 Kerbey Lane                  | <b>PERMANENT CAPACITY:</b> 418 |
| <b>% QUALIFIED FOR FREE/REDUCED LUNCH:</b> 10.18% | <b>MOBILITY RATE:</b> +19.3%   |

| POPULATION (without mobility rate) |                    |   |   |
|------------------------------------|--------------------|---|---|
| ELEMENTARY SCHOOL STUDENTS         | 2014-15 Population | 5- Year Projected Population (without proposed development) | 5-Year Projected Population (with proposed development) |
| Number                             | 331                | 303   | 421   |
| % of Permanent Capacity            | 79%                | 72%   | 101%  |

| ENROLLMENT (with mobility rate) |                    |  |  |
|---------------------------------|--------------------|--|--|
| ELEMENTARY SCHOOL STUDENTS      | 2014-15 Enrollment | 5- Year Projected Enrollment* (without proposed development) | 5-Year Projected Enrollment* (with proposed development) |
| Number                          | 395                | 362  | 480  |
| % of Permanent Capacity         | 94%                | 87%  | 115%   |

|   |                                |
|---|--------------------------------|
| <b>MIDDLE SCHOOL:</b> O. Henry                    | <b>RATING:</b> Met Standard    |
| <b>ADDRESS:</b> 2610 West 10 <sup>th</sup> Street | <b>PERMANENT CAPACITY:</b> 945 |
| <b>% QUALIFIED FOR FREE/REDUCED LUNCH:</b> 29.74% | <b>MOBILITY RATE:</b> +2.2%    |

| POPULATION (without mobility rate) |                    |   |   |
|------------------------------------|--------------------|---|---|
| MIDDLE SCHOOL STUDENTS             | 2014-15 Population | 5- Year Projected Population (without proposed development) | 5-Year Projected Population (with proposed development) |
| Number                             | 871                | 976   | 1,010   |
| % of Permanent Capacity            | 92%                | 103%  | 107%  |

| ENROLLMENT (with mobility rate) |                    |  |  |
|---------------------------------|--------------------|--|--|
| MIDDLE SCHOOL STUDENTS          | 2014-15 Enrollment | 5- Year Projected Enrollment* (without proposed development) | 5-Year Projected Enrollment* (with proposed development) |
| Number                          | 890                | 997  | 1,031  |
| % of Permanent Capacity         | 94%                | 106%   | 109%   |

# EDUCATIONAL IMPACT STATEMENT

Prepared for the City of Austin

Austin Independent  
School District



|   |                                  |
|---|----------------------------------|
| <b>HIGH SCHOOL:</b> Austin                        | <b>RATING:</b> Met Standard      |
| <b>ADDRESS:</b> 1715 W. Cesar Chavez              | <b>PERMANENT CAPACITY:</b> 2,205 |
| <b>% QUALIFIED FOR FREE/REDUCED LUNCH:</b> 28.74% | <b>MOBILITY RATE:</b> +6.4%      |

| <b>POPULATION (without mobility rate)</b> |                           |  |  |
|---|---------------------------|--|--|
| <b>HIGH SCHOOL STUDENTS</b>               | <b>2014-15 Population</b> | <b>5- Year Projected Population (without proposed development)</b> | <b>5-Year Projected Population (with proposed development)</b> |
| <b>Number</b>                             | 1,962                     | 2,036  | 2,104  |
| <b>% of Permanent Capacity</b>            | 89%                       | 92%  | 95%  |

| <b>ENROLLMENT (with mobility rate)</b> |                           |   |   |
|--|---------------------------|---|---|
| <b>HIGH SCHOOL STUDENTS</b>            | <b>2014-15 Enrollment</b> | <b>5- Year Projected Enrollment* (without proposed development)</b> | <b>5-Year Projected Enrollment* (with proposed development)</b> |
| <b>Number</b>                          | 2,087                     | 2,166   | 2,234   |
| <b>% of Permanent Capacity</b>         | 95%                       | 98%   | 101%  |

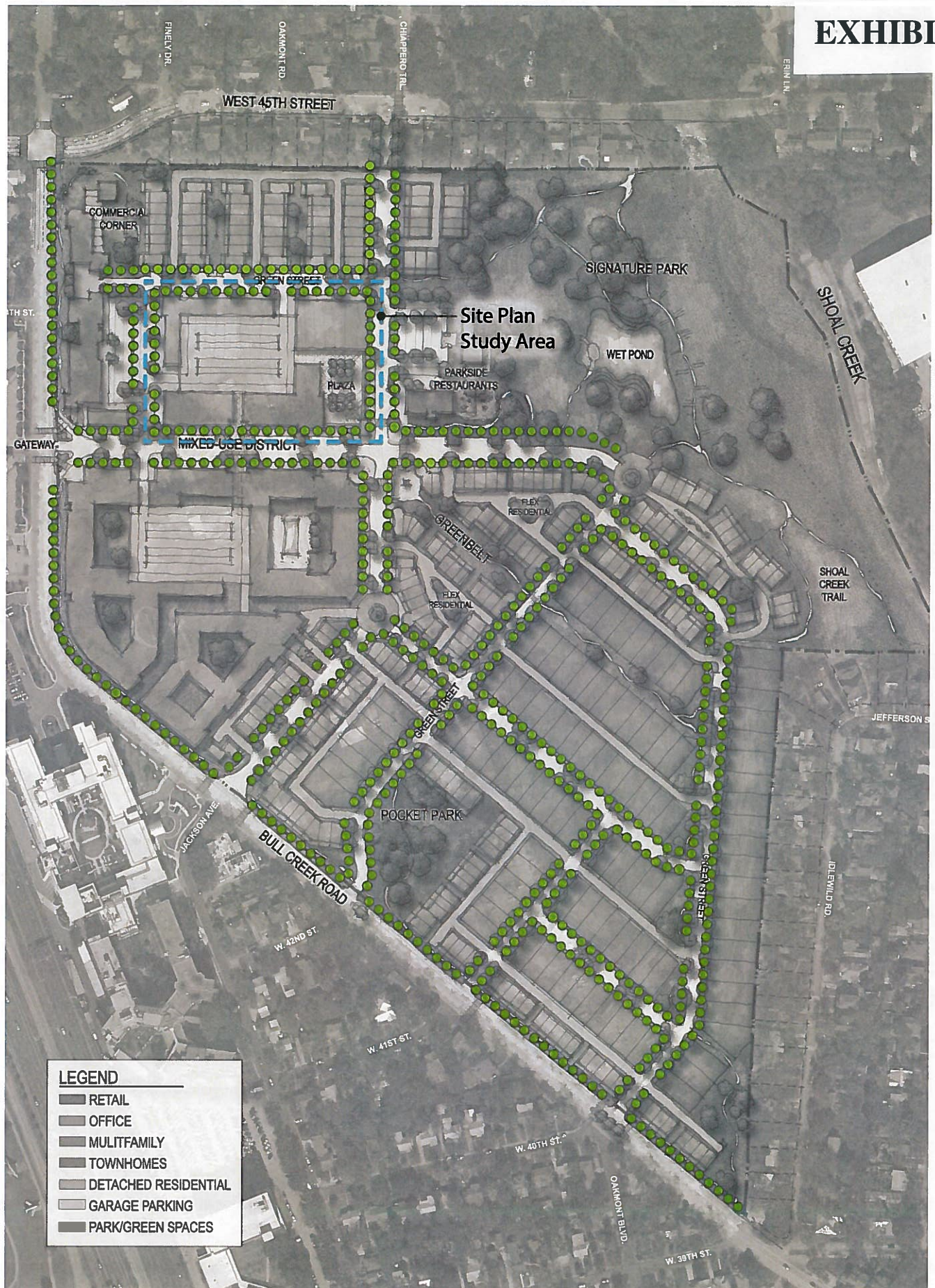
\*The 5-Year Projected Enrollment (with and without the proposed development) is an estimate calculated with the assumption that the stated mobility rates (transfers in and out of the school) remain the same over the 5-year period. These estimates are for the sole purpose of the Educational Impact Statement and should not be used for any other purposes.

The Grove at Shoal Creek  
C814-2015-0074  
Educational Impact Statement Attachment

|                         |  | Total<br>Students<br>Projected |                        |                |                        |                |                        |                |
|-------------------------|--|--------------------------------|------------------------|----------------|------------------------|----------------|------------------------|----------------|
| Scenario 1              |  |                                | ES<br>Student<br>Yield | ES<br>Students | MS<br>Student<br>Yield | MS<br>Students | HS<br>Student<br>Yield | HS<br>Students |
| 1,315 Total Units       |  | 219.245                        |                        |                |                        |                |                        |                |
| Market Rate             |  |                                |                        |                |                        |                |                        |                |
| 110 Single Family (SFD) |  |                                | 0.117                  | 12.87          | 0.034                  | 3.74           | 0.067                  | 7.37           |
| 600 Apartments (APT)    |  |                                | 0.124                  | 74.4           | 0.035                  | 21             | 0.071                  | 42.6           |
| 140 Condo (MFA)         |  |                                | 0.038                  | 5.32           | 0.011                  | 1.54           | 0.022                  | 3.08           |
| 285 Townhome (SFA)      |  |                                | 0.038                  | 10.83          | 0.011                  | 3.135          | 0.022                  | 6.27           |
| 1,135 Units             |  |                                |                        |                |                        |                |                        |                |
| Affordable              |  |                                |                        |                |                        |                |                        |                |
| 90 Apartments (APT)     |  |                                | 0.124                  | 11.16          | 0.035                  | 3.15           | 0.071                  | 6.39           |
| 90 Condo (MFA)          |  |                                | 0.038                  | 3.42           | 0.011                  | 0.99           | 0.022                  | 1.98           |
| 180 Units               |  |                                |                        | 118            |                        | 33.555         |                        | 67.69          |
|                         |  |                                |                        |                |                        |                |                        |                |
|                         |  | Total<br>Students<br>Projected |                        |                |                        |                |                        |                |
| Scenario 2              |  |                                | ES<br>Student<br>Yield | ES<br>Students | MS<br>Student<br>Yield | MS<br>Students | HS<br>Student<br>Yield | HS<br>Students |
| 1,515 Total Units       |  | 210.915                        |                        |                |                        |                |                        |                |
| Market Rate             |  |                                |                        |                |                        |                |                        |                |
| 560 Apartments (APT)    |  |                                | 0.124                  | 69.44          | 0.035                  | 19.6           | 0.071                  | 39.76          |
| 195 Condo (MFA)         |  |                                | 0.038                  | 7.41           | 0.011                  | 2.145          | 0.022                  | 4.29           |
| 580 Townhome (SFA)      |  |                                | 0.038                  | 22.04          | 0.011                  | 6.38           | 0.022                  | 12.76          |
| 1,335 Units             |  |                                |                        |                |                        |                |                        |                |
| Affordable              |  |                                |                        |                |                        |                |                        |                |
| 90 Apartments (APT)     |  |                                | 0.124                  | 11.16          | 0.035                  | 3.15           | 0.071                  | 6.39           |
| 90 Condo (MFA)          |  |                                | 0.038                  | 3.42           | 0.011                  | 0.99           | 0.022                  | 1.98           |
| 180 Units               |  |                                |                        | 113.47         |                        | 32.265         |                        | 65.18          |



## EXHIBIT L



**Tree Mitigation Example**  
 The Grove at Shoal Creek  
 March 25, 2016

## EXHIBIT L

Tree Mitigation Example

The Grove at Shoal Creek | 3.25.16

| Overall Site Mitigation                | Inches | Notes                    |
|--|--------|--------------------------|
| Mitigation Inches Required             | 1135   |                          |
| Mitigation Provided by 3" Street Trees | 927    | 1.5" per tree, 618 trees |
| Mitigation Provided by 4" Street Trees | 1545   | 2.5" per tree, 618 trees |

| Site Plan Study                           | Inches | Notes   |
|---|--------|---|
| Mitigation Inches Required                | 248    |   |
| Mitigation Provided by 4" Street Trees    | 75     |   |
| Mitigation Provided by 6" Street Trees    | 108    | Along retail main street  |
| Total Mitigation Provided by Street Trees | 183    |   |
| Mitigation Req'd via Additional Trees     | 65     | Plaza, parking bumpouts, courtyards, etc. (approx. 16 additional trees) |



## EXHIBIT M



## ATTACHMENT: MEMORANDUM

|       |   |          |  |
|-------|---|----------|--|
| To:   | Andrew Linseisen, P.E.<br>Development Services Department     | Date:    | March 25, 2016                                 |
| CC:   | Scott A. James, P.E., PTOE<br>Development Services Department | Project: | The Grove At Shoal<br>Creek                    |
| From: | Eric Bollich, P.E., PTOE<br>Austin Transportation Department  | Re:      | TIA Comments<br>(February 2, 2016<br>Revision) |
|       |   | Page:    | 1 of 2   |

The Austin Transportation Department (ATD) has reviewed the February 2, 2016 revision of the traffic report regarding the *"The Grove at Shoal Creek, Traffic Impact Analysis"*, prepared by R-K Traffic Engineering, LLC. The following comments summarize our review findings.

TIA Comments

1. **Repeat comment** – The 2018 analysis does not include full build out of the Bull Creek and 45<sup>th</sup> street intersection. 2018 No Build forecasted operation of this intersection is not acceptable to ATD, regardless of the 2,700 daily trip threshold presented in the TIA. Based on the comprehensive review of the TIA and prior meetings with the Applicant and comments submitted to the Applicant, it is our understanding that this intersection will be fully built out to its ultimate design prior to the completion of Phase 1 of the development. We recommend that the Traffic Phasing Agreement include detailed analysis of the necessary improvements required prior to completion of Phase 1 and subject to ATD review and approval. .
2. It is unclear from the information contained in the TIA as to when the concrete safety barrier in association with the bike lane will be constructed along Bull Creek Road. Based on our meeting with the Applicant, the Applicant has agreed to construct this barrier when Bull Creek Road is reconstructed with proposed improvements.
3. **Repeat comment** – The TIA estimates 14% of site-generated traffic will use Jackson Avenue, more than doubling the total traffic volume on Jackson Avenue. While no additional analysis of Jackson Avenue is required at this time, based on the information submitted in the TIA and reviewed by staff, when a warrant study is conducted for the signal at Jackson Avenue and Bull Creek Road, the Applicant will also study Jackson Avenue south of Bull Creek Road to analyze and propose mitigation needed to address this increase in traffic.





Attachment: Memorandum  
February 2, 2016 TIA Comments  
The Grove at Shoal Creek  
March 25, 2016  
Page 2 of 2

Bull Creek Road/45<sup>th</sup> Street Intersection Plan – Option 1: Not recommended

1. This option, as presented, creates safety concerns by shifting northbound traffic through the intersection by approximately nine (9) feet.

Bull Creek Road/45<sup>th</sup> Street Intersection Plan – Option 2: Recommended

1. The small grass panels on the northwest, northeast, and southeast corners should be eliminated to allow for wider sidewalks and the placement of traffic signal equipment. In addition, the sidewalk easement that the Applicant has indicated needs to allow for the installation of traffic signal equipment.

Bull Creek Road Improvements Plan (comments start at the north and head south)

1. The PHB, crosswalks and landings are not shown at Driveway 1. Please show this information.
2. The traffic signal, crosswalks and landings are not shown at Driveway 2/Jackson Avenue. In addition, no information is shown on Jackson Avenue related to length of turn lanes and tapers. Please show this information.
3. The PHB, crosswalks and landings are not shown at Driveway 4. Please show this information.

Jackson Avenue / 45<sup>th</sup> Street

After interdepartmental discussion, the proposed development shall include Jackson Avenue as a public roadway dedicated to the City of Austin. As agreed by the applicant, Lot 43, Section 2, Shoal Village Subdivision, shall be dedicated as public right-of-way to the City of Austin for the extension of Jackson Avenue to 45<sup>th</sup> Street. Vehicular access at the intersection of 45<sup>th</sup> and Jackson Avenue shall be limited to "right-in, right-out only." Staff will review roadway design plans submitted by the Applicant as part of the subdivision and site development permit process. A pedestrian hybrid beacon may be installed at the intersection of Jackson Avenue and 45<sup>th</sup> street to facilitate pedestrian crossings across 45<sup>th</sup> Street at timing to be determined by ATD.

General Comment

Staff reserves the right to conduct further review of the subject application with regard to geometric constraints that may arise due to inadequate or unavailable right-of-way that may affect the operational objectives of proposed infrastructure improvements. These elements may affect site plan review and approval, as they are considered integral to the viability of the subject development as proposed.



## MEMORANDUM

**TO:** Mayor and Council

**FROM:** Rodney Gonzales, Director, Development Services Department (DSD)  
Rob Spillar, Director, Austin Transportation Department (ATD)

**DATE:** May 9, 2016

**SUBJECT:** Grove at Shoal Creek Traffic Impact Analysis

**CC:** Marc Ott, City Manager  
Sue Edwards, Assistant City Manager  
Robert Goode, Assistant City Manager  
Greg Guernsey, Director, Planning and Zoning

This memorandum provides information regarding the Traffic Impact Analysis (TIA) review for the Grove at Shoal Creek Planned Unit Development (PUD) and related transportation issues.

### **TIA Review Process and March 22, 2016 Meeting with Applicant**

The TIA review process began with the submittal of the PUD Development Assessment on April 3, 2015. Over the last approximately 12 months, the TIA has been through four formal review cycles; meetings with the applicant, interested neighbors and the Bull Creek Road Coalition (BCRC); multiple revisions; and review of informal submittals.

Staff from the Development Services Department and Austin Transportation Department (ATD) extensively reviewed the TIA. The applicant has been required to provide much more detailed transportation information than a typical PUD to ensure adequate right-of-way and acceptable operations for improvements proposed to mitigate the traffic impacts of the project.

On February 2, 2016, the applicant submitted an updated TIA. Due to interdepartmental discussion on several major elements of the TIA, comments had not been released as of March 21, 2016. On Tuesday, March 22, 2016, staff from ATD, DSD and the Planning and Zoning Department (PAZ) met with representatives and transportation consultants for the Grove, at the applicant's request, to discuss the transportation elements of the PUD.

Staff present at the meeting were Eric Bollich, PE, PTOE, Managing Engineer, ATD; Annick Beaudet, AICP, System Development Division Manager, ATD; George Adams, CNU-A, Assistant Director, DSD; Andy Linseisen, PE, Managing Engineer, DSD; Bryan Golden, Transportation Reviewer, DSD; and Jerry Rusthoven, AICP, Current Planning Manager, PAZ. Scott James, PE, Transportation Engineer, DSD, was invited to the meeting but could not attend due to a conflict.

This meeting has been portrayed as being inappropriate or favoring the applicant and this is not the case. It is neither unusual nor inappropriate for senior staff to meet with an applicant to discuss the details of a project, and this is routine. For a project of this size, scope, complexity and controversy it is incumbent upon senior staff to be fully informed and responsible for key decisions. At the March 22<sup>nd</sup> meeting, the applicant agreed to provide substantial additional improvements not previously committed to, which include the following:

- Dedication of Jackson Street as public street and provision of a public roadway connection to 45<sup>th</sup> Street;
- Dedication of a 5 foot public access easement at the northwest corner of Bull Creek Road and 45<sup>th</sup> Street;
- Construction of a shared-use path for bicycles and pedestrians along Bull Creek Road as a protected facility;
- Dedication of public access easements to Shoal Creek at the north and south end of the property for bike and pedestrian facilities;
- Funding of design and construction of a bike and pedestrian bridge over Shoal Creek;
- Minimum geometric standards for internal private streets; and
- Establishment of a cap on the Phase 1 development prior to completion of the improvements to Bull Creek Road and the intersection of Bull Creek Road and 45<sup>th</sup> Street. The final cap is to be established as part of the Traffic Phasing Agreement.

The applicant's agreement to provide the above improvements, in addition to previously identified improvements, allowed ATD and DSD staff to determine the project was mitigating the traffic impacts of the proposed development and to advance the transportation review process subject to conditions outlined in the staff comment memo dated March 25, 2016. A list of transportation improvements proposed by the applicant and the March 25 Memo is included as attachments. Remaining transportation issues which are to be finalized prior to third reading of the PUD ordinance include requirements for fiscal posting and phasing of construction for required improvements, which will be outlined in the Traffic Phasing Agreement that will accompany the final PUD Ordinance.

As noted in the staff comment memo dated March 25, 2016, comments related to detailed design requirements were deferred to the subdivision construction and site development permit review. These comments will be issued to the applicant under separate memorandum (attached) and will be required to be addressed as part of ATD and DSD review of detailed construction plans for the proposed improvements. Deferral of the final design of these improvements has also been portrayed as favoring the applicant; however, this is standard practice for PUD and conventional zoning cases. The alternative is to require the applicant to design and engineer, at significant cost, transportation infrastructure improvements prior to Council review or approval of zoning entitlements for the property.

#### **Public Street Connection to W. 45<sup>th</sup> Street**

Representatives from BCRC and neighborhood residents have expressed concern over a proposal to provide a public street connection from Bull Creek Road, through the Grove property, and connecting to W. 45<sup>th</sup> Street where a single-family residence is currently located. The applicant acquired the property at 2627 W. 45<sup>th</sup> Street in April 2015 for the purpose of



providing access between the proposed PUD and W. 45<sup>th</sup> Street. The applicant presented their Master Plan showing the proposed street connection to the BCRC in July 2015 and identified the street connection as an option for staff consideration. The Alternative Vision plan proposed by BCRC (<http://www.bcrctx.org/alt-vision/>) also shows a pedestrian and bicycle connection through the property at 2627 W. 45<sup>th</sup> Street.

The proposal was idle for many months as no additional analysis was provided and the focus was on other potential transportation improvements. As part of their February 2, 2016 TIA submittal, the applicant provided an analysis of the W. 45<sup>th</sup> Street connection, and staff was able to determine this provided measureable improvement for traffic circulation. Based on this determination, staff recommended including the street connection as part of the transportation improvements.

The property at 2627 W. 45<sup>th</sup> Street is 59.8' wide. If utilized as a street, the proposed ROW width of 59.8' is greater than the typical 50' ROW width common to other local streets in the area. It is anticipated that this connection will be designed as right-in, right-out only and will be limited to passenger and emergency services vehicles. Staff has requested a preliminary design from the applicant and will evaluate the proposal in more detail prior to review by the Zoning and Platting Commission.

#### **Additional Questions Asked by the Community**

Two questions have been asked by the community regarding the process for review and approval of TIA's. The first is which department has authority over the TIA Application? In the case of TIA's, the responsible Director refers to the Director of the Austin Transportation Department.

The second is related to Land Development Code Section 25-6-141. In the zoning context, Chapter 25-6 affords Council the legislative discretion to approve an application if it finds that adverse traffic effects are "satisfactorily mitigated" or that additional traffic will have "an insignificant effect on a residential street." That standard, which is the basis for staff's evaluation, does not prevent approval of a zoning case where adjacent roads are operating below the standards established by Section 25-6-116 (*Desirable Operating Levels for Certain Streets*).

#### **Additional Analysis Requested by Council Member Pool**

In a letter to the City Manager dated April 13, 2016, Council Member Pool made the following transportation-related requests. A brief response to each of the requests is provided below.

##### Analysis of Jackson Avenue Connection to W. 45<sup>th</sup> Street

As mentioned above, staff has requested the applicant provide a preliminary design of the proposed Jackson Avenue street connection to W. 45<sup>th</sup> Street. As of May 6, 2016, staff has not received the preliminary design from the applicant. Once provided, staff will evaluate the proposal in more detail prior to review by the Zoning and Platting Commission.

##### Full Build-Out Analysis of Jackson Avenue

The applicant has proposed mitigation at the intersections of Jackson Avenue/35<sup>th</sup> Street and Jackson Avenue/Bull Creek Road, including modified lane configurations and signalization,

respectively. ATD and DSD deem this mitigation as acceptable under future traffic conditions. Streets can typically accommodate thousands of daily vehicles and are constrained by their intersections. Because the intersections of Jackson Avenue with 35<sup>th</sup> Street and Bull Creek Road are projected to operate acceptably under build-out conditions, further mitigation measures have not been identified at this time. However, ATD and DSD are requiring that Jackson Avenue be evaluated when the intersection improvements are needed to determine whether additional measures, such as traffic calming, would be appropriate.

#### Adequate Right-of-Way for Improvements Proposed to the Intersection of W. 45<sup>th</sup> and Bull Creek Road

The applicant submitted a preliminary layout of the proposed intersection which shows existing and proposed rights-of way and easements for improvements. The applicant has indicated they are working to acquire necessary easements or right-of-way on the southeast corner to accommodate a proposed right turn lane from Bull Creek Road to eastbound 45<sup>th</sup> Street. The applicant is also obtaining an easement on the northwest corner to accommodate sufficient space for receiving the dual northbound to westbound left turn lanes. If the applicant is unable to acquire the needed land, a revised design or phasing of improvements to secure missing rights-of-way will need to be reviewed and approved by ATD and DSD.

#### TIA Phasing Agreement to be presented to ZAP

Staff is working with the applicant to formalize the terms of the TIA Phasing Agreement. If a draft is available at the time of ZAP consideration, staff will provide the draft agreement. The Phasing Agreement will be provided as part of City Council back up material for consideration of the PUD.

#### Proposed Bridge over Shoal Creek

The applicant will provide an engineer's estimate of the proposed bridge over Shoal Creek to provide pedestrian and bicycle connectivity between the project site and the adjacent Texas State Library and Archives Commission property. ATD and DSD will determine whether this estimate exceeds the maximum funding that the applicant is willing to contribute to construction of the bridge.

#### Median on Bull Creek Road at Oakmont Boulevard

A raised median is proposed on Bull Creek Road at its intersection with Oakmont Boulevard/W. 40<sup>th</sup> Street/Driveway 4. It would assist pedestrian crossings and prohibit left turns to and from Bull Creek Road.

#### Examples of other Street Widening

Streets are frequently widened within the City's right-of-way to accommodate additional travel or turn lanes. A comprehensive database of examples is not maintained.

#### **Next Steps**

Planning and Zoning Department staff, with assistance from other City departments, are formulating a PAZ recommendation for the Grove PUD. PAZ staff intends to meet with the applicant and interested parties prior to finalizing the recommendation. Once this is complete, the case will be heard by the Environmental Board, the Zoning and Platting Commission, and finally the City Council. The dates for these public hearings have not yet been determined.

I hope this provides useful information for your consideration. Please feel free to contact me at (512) 974-2313 or George Adams, Assistant Director at (512) 974-2146 if you have questions or concerns.

Attachments:

- List of Proposed Transportation Improvements
- March 25, 2016 Memorandum
- May 9, 2016 Memorandum
- Staff Response to Questions from Grayson Cox



### **List of Transportation Improvements Proposed for the Grove at Shoal Creek PUD May 6, 2016**

- 1) Funding and construction of traffic mitigation improvements identified for Bull Creek Road.

Improvements include additional auxiliary lanes at Jackson Avenue and other site driveways, widening of Bull Creek Road between Driveway 1 and 45th Street, and dedication of right-of-way from the subject site to construct these improvements.

- 2) Funding and Construction of intersection improvements for 45th and Bull Creek Road.

Improvements include eastbound and westbound left turn lanes on 45th Street, additional northbound left turn lane on Bull Creek Road, and additional northbound right turn lane on Bull Creek Road as well as improved pedestrian crossings and reconstruction of sidewalk at all four corners of the intersection.

- 3) Dedication of right-of-way and construction of Jackson Avenue from Bull Creek Road to W. 45<sup>th</sup> Street.

- 4) Providing trail connectivity to Ridglea Greenbelt.

- 5) Constructing 12-foot Shared Use Path along Bull Creek Road.

- 6) Constructing 12-foot Shared Use Path along 45th Street Greenbelt.

- 7) Constructing protected southbound Bike Lane on Bull Creek Road in front of site.

- 8) Installation of Pedestrian Hybrid Beacon on Bull Creek Road and 45th Street to facilitate pedestrian connectivity.

- 9) Post fiscal for, and if easement obtained on State property, construct bike and pedestrian bridge across Shoal Creek and trail connection from bridge to Shoal Creek Blvd. Provide additional easement for access to Shoal Creek.

- 10) Bike lanes on major internal street cross-sections.

- 11) Contribution of \$100,000 for neighborhood multi-modal improvements.

- 12) Minimum geometric criteria for internal streets.

- 13) Funding and construction of traffic signal and intersection improvements at Jackson/Bull Creek Road and intersection improvements at 35<sup>th</sup>/Jackson.

14) Analysis of additional traffic mitigation on Jackson Avenue at full build-out.

16) Require shower facilities in offices to help facilitate bicycle commuters.



**Date:** March 25, 2016

**To:** Brian Williams, P.E. Brown & Gay, Engineering  
James Schwerdtfeger, P.E., Big Red Dog Engineering

**CC:** Sherri Sirwaitis, Case Manager

**Reference:** Bull Creek Parcel (aka "The Grove at Shoal Creek")  
CD – 2015 – 0009

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Staff from the City of Austin Development Services and Transportation Departments have reviewed the revised Traffic Impact Analysis for the Bull Creek Parcel development proposal (hereafter called "The Grove") and offer the following comments:

**GENERAL COMMENTS**

- A. Written approval from the Texas Department of Transportation (TxDOT) of the proposed Traffic Phasing Agreement is required for the proposed PUD as various state-maintained roadways are bordering the PUD area.
- B. Pedestrian crossings should be identified and paired with the (proposed) location of transit stops. Provide map showing location(s) of transit stops (current and proposed). The TIA allows for a 5% transit reduction, assuming bus headways are decreased from current service levels. Applicant to provide final written confirmation from CapMetro that current and future services levels on Bull Creek Road will support the 5% transit reduction as presented in the TIA prior to final Council approval.
- C. Comment cleared.

Development Services (Bryan Golden/Scott A. James):

**DSD1. Update 1** – After interdepartmental discussion, the proposed development shall dedicate Jackson Avenue as a public roadway to the City of Austin. As agreed by the applicant, Lot 43, Shoal Village Section 2, shall be dedicated as public right-of-way to the City of Austin for the extension of Jackson Avenue to 45th Street. Vehicular access at the intersection of 45th Street and Jackson Avenue shall be limited to "right-in, right-out only." Staff will review roadway design plans submitted by the Applicant as part of the subdivision and site development permit



TIA – The Grove (Revised 2-2-2016)

March 25, 2015

process. A pedestrian hybrid beacon may be installed at the intersection of Jackson Avenue and 45th Street to facilitate pedestrian crossings across 45th Street. The timing of the installation of the pedestrian hybrid beacon shall be determined by the Austin Transportation Department.

DSD2. Comment cleared.

DSD3. **Update 1** - Project will be built in two phases: for initial 2018 build conditions (Phase 1), the improvement of the Bull Creek Road/45<sup>th</sup> Street intersection is required. The phase one improvements shall be inclusive of the following elements: dedication of right-of-way, bicycle lanes, medians, turn lanes, sidewalks, and trails. The details of the phasing and timing of the specific improvements will be finalized with the Traffic Phasing Agreement that accompanies the final PUD Ordinance per the comment below as DSD5. NOTE: TxDOT agreement of the terms of fiscal participation for off-site improvements is required.

DSD4. **Repeat comment** - 2024 build conditions (Phase 2) will include full width reconstruction of Bull Creek Road and improvements to Jackson Avenue. In accordance with ATD TIA Comment 3, the improvements to Jackson Avenue will be identified and addressed at the time of the warrant study to support the signalization of Jackson Avenue and Bull Creek Road.

DSD5. **Repeat comment** - Please provide a draft Traffic Phasing Agreement that clearly outlines the traffic improvements to be built for each phase of the development. NOTE: the traffic phasing agreement will require the approval from the COA Legal Department.

DSD6. Jackson Avenue should be extended to the north through the site from its intersection with Bull Creek Road to 45th Street as a public street, provided the following:

- The City approves the street design sections for the northern extension of Jackson Avenue in lieu of standard City street sections, as shown in the Design Guidelines; and
- The City agrees to provide code modifications to allow the Jackson Avenue right-of-way to be included in site calculations and to allow property on both sides of the northern extension of Jackson Avenue to be included in a single site. DSD and PAZ will determine how this provision is incorporated into the final PUD Ordinance.

DSD7. Other roadways in the project may be private roadways, provided the following:

- Public access and utility easements are provided for the entirety of the private street lengths, granting control to the City of Austin of all traffic elements for intersections between public right-of-way and any private streets/driveways within the development;

TIA – The Grove (Revised 2-2-2016)

March 25, 2015

- Retail Streets, Green Streets, and Connector Streets shall be designed to include 50 feet minimum tangent for intersection approaches and a 100 feet minimum centerline radius for horizontal curves. Horizontal design geometry for these streets may be varied with approval of the Director.

DSD8. A note will be provided on the Land Use Plan and/ or a provision of the PUD ordinance will be provided stating the following:

The Applicant will post fiscal with the City of Austin for the construction of a bicycle and pedestrian bridge crossing Shoal Creek enabling a trail connection from the site to Shoal Creek Blvd. The amount of the fiscal shall be based on the Applicant's approved engineering cost estimate. Subject to City approval of the proposed bridge location (the City considering environmental, connectivity and other factors) the Applicant will construct the bridge and trail. If the City of Austin or the applicant is unable to secure an easement to allow for the construction of said bridge, the posted fiscal may be utilized by the City to complete other bicycle and pedestrian improvements in the area. The Applicant further agrees to provide easements for future bicycle and pedestrian bridge crossings at both the northern and southern portions of Shoal Creek, whether or not the bridge described above is constructed.

Austin Transportation Department:

For the proposed intersection of 45th Street/ Bull Creek Road:

- ATD1. Comment cleared per Option 2 diagram provided.
- ATD2. Comment cleared per Option 2 diagram provided.
- ATD3. Comment cleared per Option 2 diagram provided.
- ATD4. Comment cleared per Option 2 diagram provided.
- ATD5. Comment cleared per Option 2 diagram provided.
- ATD6. Comment cleared.
- ATD7. Repeat comment - Projected volumes onto Jackson Avenue require mitigation measures along Jackson Avenue.
- ATD8. Comment cleared.
- ATD9. Comment cleared per Bull Creek Road diagram provided.
- ATD10. Comment cleared.

TIA – The Grove (Revised 2-2-2016)

March 25, 2015

ATD11. Comment cleared.

ATD12. Comment cleared per Option 2 diagram provided.

ATD13. Comment cleared per Option 2 diagram provided.

ATD14. Comment cleared per Option 2 diagram provided.

ATD15. Comment cleared per Option 2 diagram provided.

ATD16. Comment cleared per Option 2 diagram provided.

ATD17. Comment cleared per Bull Creek Road diagram provided.

General Comment

Additional comments from ATD are provided in the attachment. Staff reserves the right to conduct further review of the subject application with regard to geometric constraints that may arise due to inadequate or unavailable right-of-way that may affect the operational objectives of proposed infrastructure improvements. These elements may affect site plan review and approval, as they are considered integral to the viability of the subject development as proposed.

We thank you for the revised TIA submitted in support of this PUD application. City staff will continue to review elements of the proposal and the related Traffic Phasing Agreement. If you have any questions please feel free to contact me or Bryan Golden at (512) 974-3124.

A handwritten signature in black ink, appearing to be 'CK' followed by a horizontal line.

Andrew Linseisen, P.E.  
Managing Engineer  
Division Manager, Land Use Review Division  
Development Services Department

Attachment





## ATTACHMENT: MEMORANDUM

|       |   |          |  |
|-------|---|----------|--|
| To:   | Andrew Linseisen, P.E.<br>Development Services Department     | Date:    | March 25, 2016                                 |
| CC:   | Scott A. James, P.E., PTOE<br>Development Services Department | Project: | The Grove At Shoal<br>Creek                    |
| From: | Eric Bollich, P.E., PTOE<br>Austin Transportation Department  | Re:      | TIA Comments<br>(February 2, 2016<br>Revision) |
|       |   | Page:    | 1 of 2   |

The Austin Transportation Department (ATD) has reviewed the February 2, 2016 revision of the traffic report regarding the *"The Grove at Shoal Creek, Traffic Impact Analysis"*, prepared by R-K Traffic Engineering, LLC. The following comments summarize our review findings.

### TIA Comments

1. **Repeat comment** – The 2018 analysis does not include full build out of the Bull Creek and 45<sup>th</sup> street intersection. 2018 No Build forecasted operation of this intersection is not acceptable to ATD, regardless of the 2,700 daily trip threshold presented in the TIA. Based on the comprehensive review of the TIA and prior meetings with the Applicant and comments submitted to the Applicant, it is our understanding that this intersection will be fully built out to its ultimate design prior to the completion of Phase 1 of the development. We recommend that the Traffic Phasing Agreement include detailed analysis of the necessary improvements required prior to completion of Phase 1 and subject to ATD review and approval. .
2. It is unclear from the information contained in the TIA as to when the concrete safety barrier in association with the bike lane will be constructed along Bull Creek Road. Based on our meeting with the Applicant, the Applicant has agreed to construct this barrier when Bull Creek Road is reconstructed with proposed improvements.
3. **Repeat comment** – The TIA estimates 14% of site-generated traffic will use Jackson Avenue, more than doubling the total traffic volume on Jackson Avenue. While no additional analysis of Jackson Avenue is required at this time, based on the information submitted in the TIA and reviewed by staff, when a warrant study is conducted for the signal at Jackson Avenue and Bull Creek Road, the Applicant will also study Jackson Avenue south of Bull Creek Road to analyze and propose mitigation needed to address this increase in traffic.



Attachment: Memorandum  
February 2, 2016 TIA Comments  
The Grove at Shoal Creek  
March 25, 2016  
Page 2 of 2

Bull Creek Road/45<sup>th</sup> Street Intersection Plan – Option 1: Not recommended

1. This option, as presented, creates safety concerns by shifting northbound traffic through the intersection by approximately nine (9) feet.

Bull Creek Road/45<sup>th</sup> Street Intersection Plan – Option 2: Recommended

1. The small grass panels on the northwest, northeast, and southeast corners should be eliminated to allow for wider sidewalks and the placement of traffic signal equipment. In addition, the sidewalk easement that the Applicant has indicated needs to allow for the installation of traffic signal equipment.

Bull Creek Road Improvements Plan (comments start at the north and head south)

1. The PHB, crosswalks and landings are not shown at Driveway 1. Please show this information.
2. The traffic signal, crosswalks and landings are not shown at Driveway 2/Jackson Avenue. In addition, no information is shown on Jackson Avenue related to length of turn lanes and tapers. Please show this information.
3. The PHB, crosswalks and landings are not shown at Driveway 4. Please show this information.

Jackson Avenue / 45<sup>th</sup> Street

After interdepartmental discussion, the proposed development shall include Jackson Avenue as a public roadway dedicated to the City of Austin. As agreed by the applicant, Lot 43, Section 2, Shoal Village Subdivision, shall be dedicated as public right-of-way to the City of Austin for the extension of Jackson Avenue to 45<sup>th</sup> Street. Vehicular access at the intersection of 45<sup>th</sup> and Jackson Avenue shall be limited to "right-in, right-out only." Staff will review roadway design plans submitted by the Applicant as part of the subdivision and site development permit process. A pedestrian hybrid beacon may be installed at the intersection of Jackson Avenue and 45<sup>th</sup> street to facilitate pedestrian crossings across 45<sup>th</sup> Street at timing to be determined by ATD.

General Comment

Staff reserves the right to conduct further review of the subject application with regard to geometric constraints that may arise due to inadequate or unavailable right-of-way that may affect the operational objectives of proposed infrastructure improvements. These elements may affect site plan review and approval, as they are considered integral to the viability of the subject development as proposed.



## MEMORANDUM

To: Jeff Howard  
McLean & Howard, LLP

Date: May 9, 2016

Project: The Grove At Shoal  
Creek

CC: Sherri Serwaitis  
Planning and Zoning Department

From: Eric Bollich, P.E.  
Austin Transportation Department

Re: Detailed Design  
Comments

Andrew Linseisen, P.E.  
Development Services Department

As part of the review of the February 2, 2016 revision of the traffic report regarding the "*The Grove at Shoal Creek, Traffic Impact Analysis*", prepared by R-K Traffic Engineering, LLC, the Austin Transportation Department (ATD) has additional comments related to the final detailed design documents that must be addressed as part of the site plan review process.

ATD shall be distributed for review of all stages of the site development permit process related to the permitting of public infrastructure improvements and connections from the development to the surrounding public streets.

The following comments summarize items to be addressed as part of the site development permit submittals based on staff review of the current conceptual design submittals.

### Bull Creek Road/West 45th Street Intersection Plan – Preferred Option 2

1. The northbound free right turn appears to be too narrow to allow for a WB-50 design vehicle to make the turn. The Applicant should provide further analysis verifying that a WB-50 design vehicle can be accommodated, or the lane should be widened by shifting the outermost curb and while not affecting the island curb line.
2. The northern curb face of the pork-chop island should be offset by two (2) feet from the travel lane for eastbound traffic.
3. On the eastbound approach, the 100 feet approach taper is insufficient in length. The taper length should be lengthened by narrowing the painted island.
4. All sidewalks must be five (5) feet minimum in width.





Memorandum  
TIA Comments  
The Grove at Shoal Creek  
May 9, 2016  
Page 2 of 2

Bull Creek Road Improvements Plan (comments start at the north and head south)

The Applicant will include design plans addressing these comments, and those addressed by the ATD memorandum dated March 28, 2016 as part of the site plans.

1. The Applicant shall include a concrete safety barrier for the bicycle lane along Bull Creek Road as part of the design plans. This barrier shall be installed with the site development permit for the reconstruction of Bull Creek Road.
2. Tapers shown between the back-to-back turn lanes are insufficient in length. A single taper between the two turn lanes should be provided.
3. The 185 feet taper on the northbound left turn approach to Jackson Avenue is insufficient in length. Lengthen the taper and narrow the painted island.
4. Between Driveway 4 and Driveway 5, the Applicant is proposing a 10-foot wide southbound lane, 11-foot wide lane northbound with a 9-foot wide shoulder. The Applicant should revise the design to provide two 10-foot wide travel lanes and include a center two-way left-turn lane.

Vehicular connection to West 45th Street from Jackson Avenue Extension

1. The Applicant has purchased the lot at 2627 West 45th Street to provide approximately 60 feet of right-of-way and facilitate this vehicular connection. The Applicant has proposed only right-in, right-out turns at this new connection. The Applicant will provide design plans showing the geometric layout of this intersection as part of the site plans for the development. Plans will show how these turning movements will be restricted, which design vehicles can be accommodated, and how a future pedestrian hybrid beacon could be placed.
2. The site plan will include the proposed cross section for the Jackson Avenue Extension from Bull Creek Road to West 45th Street. At the connection to West 45th Street, the cross section of Jackson Avenue should be wide enough to accommodate emergency vehicles. Bicycles and pedestrians should be accommodated, preferably off the street on a shared-use path. The Applicant shall construct screening barrier with vegetation where right-of-way is adjacent to existing single-family dwellings as part of the design of the roadway.

## EXHIBIT N

**PART XX. The Grove at Bull Creek PUD Affordable Housing Program.**

A. In order to meet the City's affordable housing goals and to ensure long-term affordability, the Landowner and the Landowner's successors and assigns (collectively referred to as the "Landowner") agree to the following:

1. Ten percent of the total number of multifamily rental housing units located within the Grove at Bull Creek PUD will be set aside for occupancy by households with incomes at 60 percent of or below the median family income (each an "Affordable Rental Unit," collective "Affordable Rental Units") in the Austin metropolitan statistical area for a rental affordability period of forty years (collectively, the "Rental Affordability Requirement") from the date of a certificate of occupancy. In addition the Landowner agrees to comply with the following:
  - a) The Rental Affordability Requirement period for each multifamily development with Affordable Rental Units (the "Affordable Development") begins on the date a final certificate of occupancy is issued for each Affordable Development.
  - b) Affordable Rental Units must contain a product unit mix of studio, one, two and three bedroom units in accordance with Fair Housing Laws.
  - c) Each lot or site sold or developed for use as an Affordable Development shall be subject to a restrictive covenant using the form shown in Exhibit XX (subject to revision) or agreed upon by the Director of Neighborhood Housing and Community Development (NHCD) and Landowner at the time of the sale or development and recorded in the official public records of the county where the Affordable Development is located.

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B. At least 5 percent of the total number of units sold as owner-occupied residential housing units located within the Grove at Bull Creek PUD will, through a mechanism agreed upon by the City and Landowner, be made permanently available at a price affordable to households with incomes at 80 percent of or below the median family income (each an "Affordable Ownership Unit," collective "Affordable Ownership Units") in the Austin metropolitan statistical area (collectively, the "Ownership Affordability Requirement").

1. The Affordable Ownership Units constructed on any site shall have substantially similar architectural design and restrictions as other residential units offered for sale to the general public on such site.
2. The Affordable Ownership Units must contain a product unit mix of studio, one, two and three bedroom units deemed feasible by Developer; provided that, however, no fewer than 50% of the Affordable Ownership Units shall have at least 2 bedrooms.
3. Affordable Ownership units must:

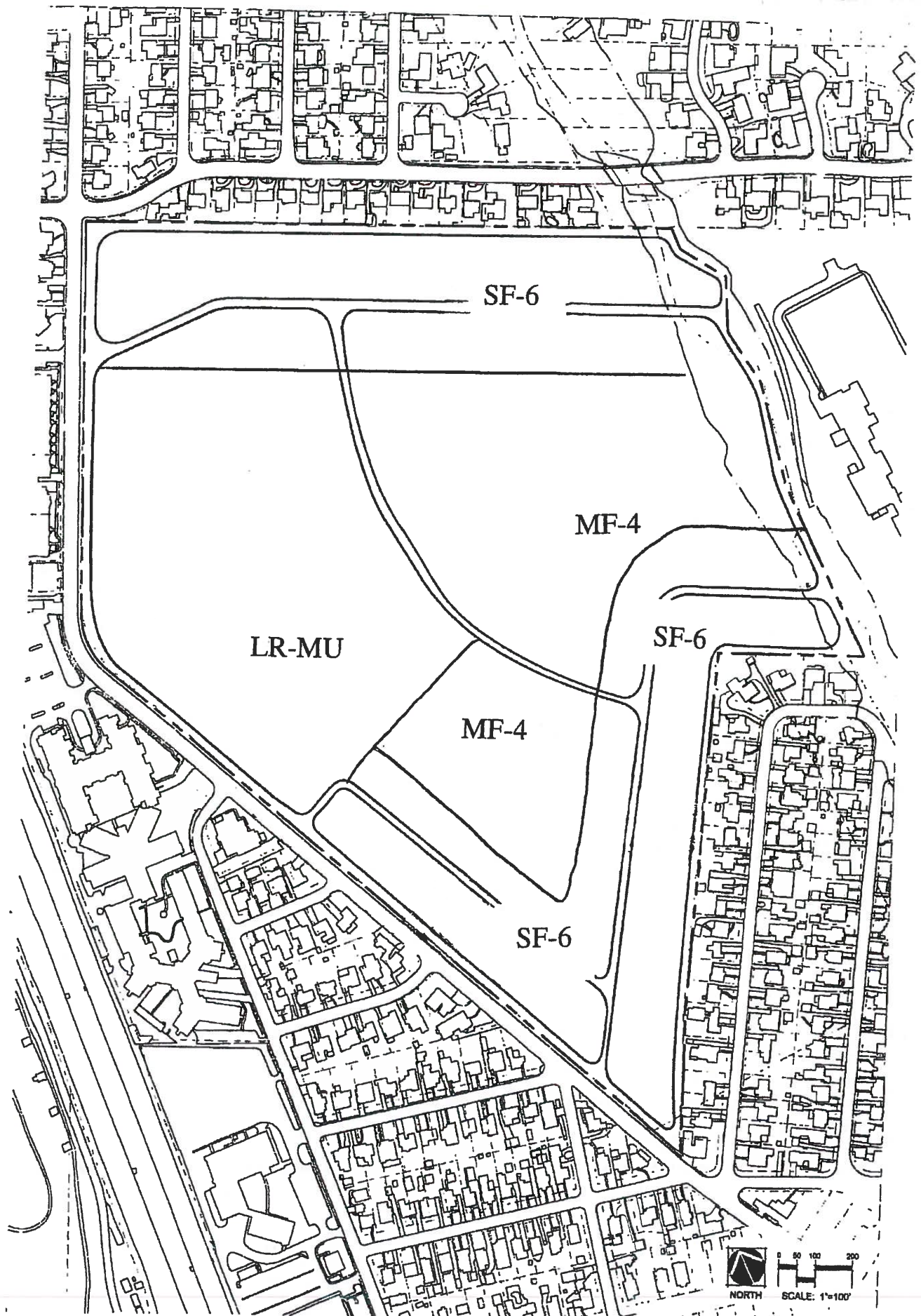
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- a) Be sold to an income eligible household at 80 percent of or below median family income;
  - b) Include resale restrictions that require that resale of the affordable unit must be to a household at 80 percent of or below median family income; and
  - c) Contain restrictions that will cap the equity gain to the homeowner that can be realized upon resale of the affordable unit. The resale formula will be set by the director of the Neighborhood Housing and Community Development Department, and may change from time to time; and
  - d) Contain a Right of First Refusal to the Austin Housing Finance Corporation (AHFC) or other entity designated by the City that is assignable to an income-qualified buyer, to ensure long term affordability.
- C. The Landowner agrees to enter into an agreement with the City of Austin that ensures compliance with Part XX of this PUD ordinance.
- D. Income limits for the Affordable Housing Requirements shall be established annually as determined by the United States Department of Housing and Urban Development.
- E. The Landowner shall file a written report with the Director on the number and location of each Affordable Ownership Unit and Affordable Rental Unit meeting the Affordable Housing Requirements within the Grove at Bull Creek PUD (the "Affordability Report"). The initial Affordability Report shall be filed within 15 calendar days following the March 31 or September 30 next following the date of recordation of a plat or site plan within the Grove at Bull Creek PUD and be continuously filed on a semi-annual basis until the project is fully built out and sold.
- F. Compliance with the Affordable Housing Requirements will be monitored by the City's Neighborhood Housing and Community Development Department through an annual audit of the sale and rental of Affordable Ownership Units and Affordable Rental Units within the Grove at Bull Creek PUD. Income qualifications, rents and sales price of the ownership units must comply with NHCD compliance guidelines.
- G. Compliance with this Part XX of this PUD Ordinance satisfies the requirements of Section 25-1-704(B)(2)(a) of the Austin City Code so that development within The Grove at Shoal Creek PUD shall be eligible for a waiver of 100% of the development fees, including capital recovery fees, described in Section 25-1-704 and Section 25-9-397 of the Austin City Code as allowed by and in accordance with the City's SMART Housing Program.



STAFF RECOMMENDATION FOR BASELINE ZONING

EXHIBIT O



**The Grove at Shoal Creek Planned Unit Development****C814-2015-0074****April 4, 2016****List of Superiority Items:****Parks Superiority**

- 1) The project exceeds the minimum amount of parkland by at least 1.55 acres. This is clearly superior to the minimum code requirements for parkland dedication as this represents a 13.66% increase above code requirements.
- 2) The developer will spend \$1 million for the improvements to the Parks within the project whereas there is no code requirement for any monies to be spent on park improvements. This represents a 100% increase over Code requirements.
- 3) The developer will perpetually maintain the parkland. The estimate is over \$200,000 per year and this is at no cost to the City of Austin or the taxpayers. This represents a 100% increase over Code requirements.

**Transportation Superiority**

- 1) Funding and Constructing all mitigation measures identified for Bull Creek Road. Mitigation measures include additional auxiliary lanes at Jackson Avenue and other Site Driveways, widening of Bull Creek Road between Driveway 1 and 45<sup>th</sup> Street, and the dedication of ROW from the subject Site to construct these improvements.
- 2) Funding and Constructing 100% of Intersection Improvements for 45<sup>th</sup> and Bull Creek when pro-rata share is 26.5%. Improvements will include eastbound and westbound left turn lanes on 45<sup>th</sup> Street, additional northbound left turn lane on Bull Creek Road, and additional northbound right turn lane on Bull Creek Road as well as improved pedestrian crossings and reconstruction of sidewalk at all four corners of the intersection.
- 3) Providing trail connectivity to Ridglea Greenbelt.
- 4) Constructing 12-foot Shared Use Path along Bull Creek Road.

- 5) Constructing 12-foot Shared Use Path along 45<sup>th</sup> Street Greenbelt.
- 6) Constructing protected southbound Bike Lane on Bull Creek Road in front of Site.
- 7) Installation of Pedestrian Hybrid Beacons on Bull Creek Road and 45<sup>th</sup> Street to facilitate pedestrian connectivity.
- 8) Post fiscal for, and if easement obtained, construction of Bike and Pedestrian Bridge across Shoal Creek and trail connection from Bridge to Shoal Creek Blvd.
- 9) Bike lanes on major internal street cross-sections.
- 10) Installation of racks to park 400 bicycles.
- 11) Require shower facilities in offices to help facilitate bicycle commuters.
- 12) Contribution of \$100k in seed money for neighborhood multi-modal improvements.

#### **Environmental Superiority**

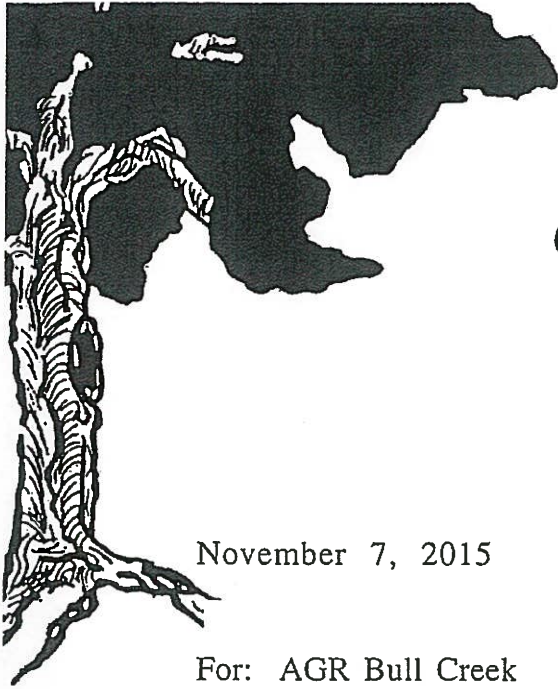
- 1) The project will substantially exceed open space requirements (by more than 50%) and will cluster development away from Shoal Creek.
- 2) The project will provide water quality controls through the use of a wet pond and/or green infrastructure for a minimum of 50% of the required water quality volume on-site.
- 3) The project will provide that a minimum of 10 acres of impervious cover on the site will drain to and be substantially treated by Green Water Quality Controls such as rain gardens and biofiltration facilities.
- 4) The project will not modify the existing 100-year floodplain.
- 5) The project will preserve a minimum of 75% of protected quality native tree inches on site.
- 6) The project will provide a tree care plan for all preserved protected and heritage trees on site.



- 7) The project will direct stormwater runoff from impervious surfaces to a landscaped area at least equal to the total required landscape area.
- 8) The project will provide flood mitigation for the 9.39 acres of existing impervious cover on the site which is not currently detained. The existing State office development does not have any detention or flood control facilities and current code does not require new development to mitigate for existing impervious cover. If the project participates in the RSMP, the RSMP fee will be paid as if the current 9.39 acres of impervious cover does not exist.
- 9) The project will provide educational signage at the Wetland CEF.
- 10) The project will provide minimum 3" caliper street trees on all internal streets. Under conventional zoning, Tracts A, C, D, and E would be residential zoning districts and would not require street trees under Subchapter E. This area of additional street trees represents 34.24 acres or approximately 45% of the total project area.
- 11) The project will provide street trees along Bull Creek Road where they would not be required by Subchapter E.
- 12) The Project will provide an Integrated Pest Management Plan for all sites.
- 13) The Project will commit to 95% of non-turf plant species from Grow Green or equivalent per the Design Guidelines.
- 14) The project will provide additional protection for the  $\frac{3}{4}$  critical root zone for all protected and heritage trees within the Signature Grove, which includes all trees around the proposed pond and the highest quality oak trees throughout the Signature Park.

### **Affordable Housing**

- 1) At least 10% of the rental units affordable to 60% MFI or less with long term affordability provided.
- 2) At least 5% of for sale units affordable to 80% or less with long term affordability.



*Don Gardner*  
*Consulting Arborist*

*Registered Consulting Arborist #438*  
*Certified Arborist TX0228*

**PECANS ON  
THE GROVE SITE**

November 7, 2015

For: AGR Bull Creek

I examined all protected trees on this entire site in February and March, 2015.

The magnificent live oak grove is a natural wonder. How can trees this old be so healthy and vigorous? Now, the job is to make sure they stay healthy. Protecting 3/4 of the critical root zone, which I've heard is proposed, is one of the ways to do that.

Most of the pecans on the site, however, are an altogether different story. They are all planted pecan varieties, not native pecans.

Orchardists have been developing new pecan varieties for decades. None are as good a tree (i.e., hardy, strong structure, long-lasting) as the old, original native varieties. Some varieties are better than others, but some are truly horrendous and should have never gotten out into the landscape market.

These varieties are not good, strong pecan trees, but are weak with multiple structural issues. They have more in common with Arizona ash trees, with notorious flaws, than with native pecan trees.

The health of a tree can go bad, or the structure can go bad.

The structural issues with the pecans in question include, 1) poor branch attachment, 2) co-dominant trunks with one trunk growing laterally, not upward, and 3) included bark that holds water, and decays easily and rapidly.

Don Gardner  
Consulting Arborist

Pecans @ The Groove  
Page 2

In addition, pecans have the reputation for branch breakage, which they deserve. And, it can be counted on, the newer varieties will break when they get a little size and weight on them.

Further, due to prolonged heat and drought, many of the pecans at this site, like pecans all over central Texas, have major crown dieback, with all the decay and structural issues that come with large dead wood.

Someone planted poor pecan varieties and they lasted a while. But now, the trees are coming apart. They should be removed.

Unfortunately, the pecans are not good, strong, long-lived natives like the live oaks in the groove.

Please contact me if you have any questions.



Don Gardner, RCA  
Registered Consulting Arborist #438  
Certified Arborist TX 0228



**Additional backup for this case can be found by clicking on the link  
below:**

[http://www.austintexas.gov/cityclerk/boards\\_commissions/meetings/54\\_1.htm](http://www.austintexas.gov/cityclerk/boards_commissions/meetings/54_1.htm)