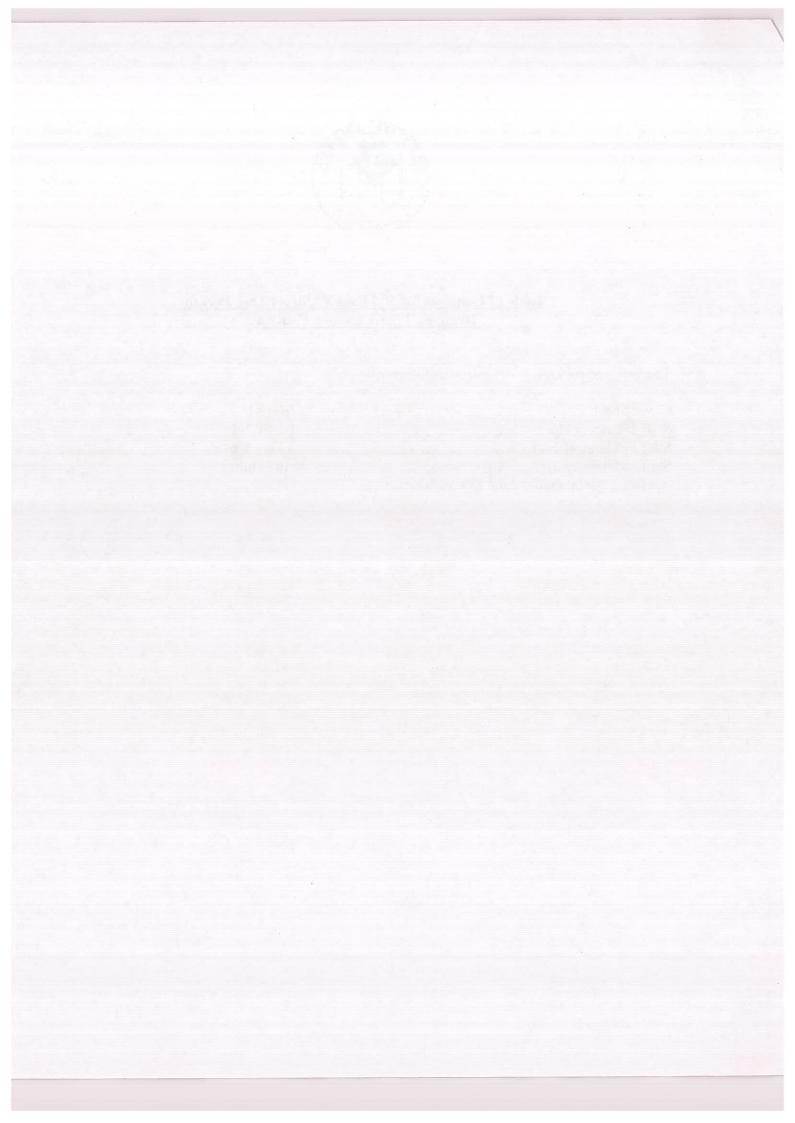


## <u>Table of Contents for 504 East 8<sup>th</sup> Street Tree Permit</u> <u>Heritage Tree Variance Package</u>

The variance package is organized as follows:

Cover Sheet	page 1
Staff Memorandum	pages 2-4
Staff Findings of Fact	
Staff Exhibits	1 0
Applicant Memorandum and Documentation	





### ITEM FOR ENVIRONMENTAL COMMISSION AGENDA

**COMMISSION** 

**DATE REQUESTED:** 

October 21, 2015

**ADDRESS** 

504 East 8<sup>th</sup> Street

**OF PROPERTY:** 

TREE PERMITS #:

ROW ID 11422103

NAME OF APPLICANT:

Barton Creek Capital, LLC

**CITY ARBORIST** 

Keith Mars, 512-974-2755

STAFF:

keith.mars@austintexas.gov

**ORDINANCE:** 

Heritage Tree Ordinance (LDC 25-8-641)

**REQUEST:** 

The applicant is requesting to remove two heritage trees with

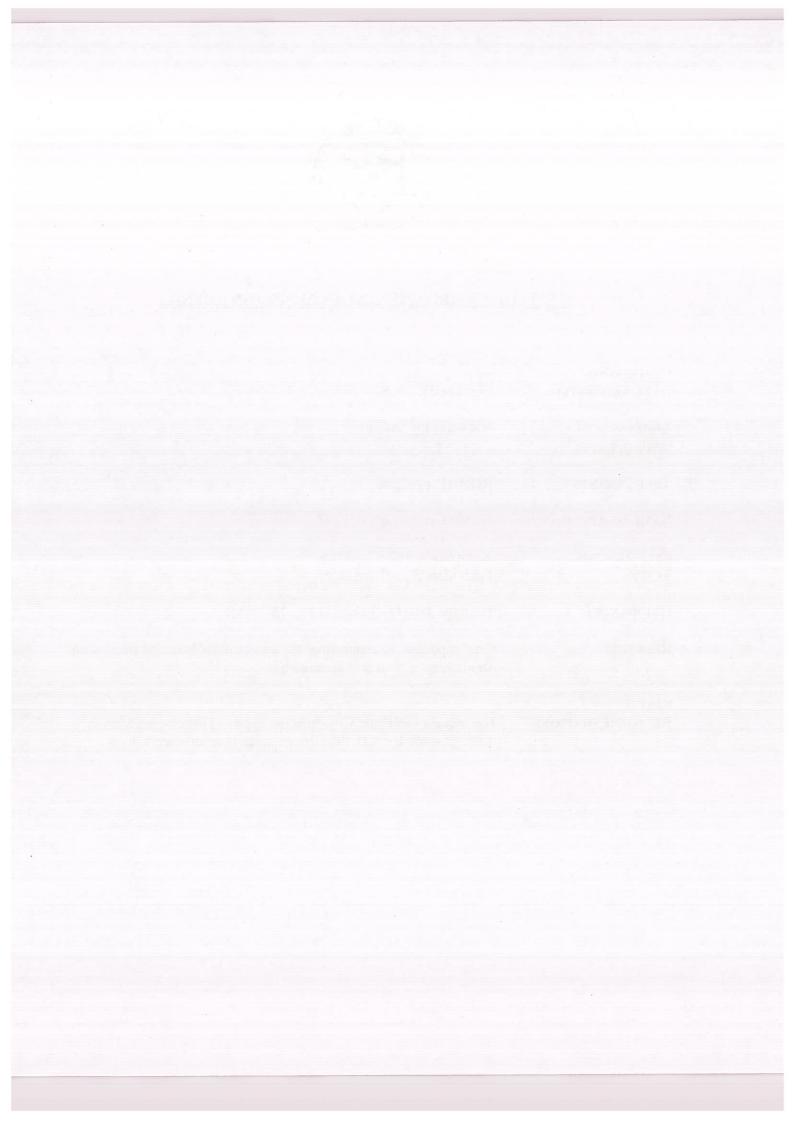
stems greater than 30" in diameter.

**STAFF** 

**RECOMMENDATION:** 

The request meets the City Arborist approval criteria set forth in

LDC 25-8-624(A)(2), thus the variance is recommended.





#### **MEMORANDUM**

TO:

Dr. Mary Gay Maxwell, Chair

**Environmental Commissioners** 

FROM:

Keith Mars, City Arborist Program

**Development Services Department** 

DATE:

October 21, 2015

**SUBJECT:** 

504 East 8<sup>th</sup> Heritage Tree Ordinance Variance

**REQUEST:** 

The applicant is requesting to remove two heritage trees with stems

greater than 30 inches as allowed under LDC 25-8-643

#### **Area Description**

The subject property is located at 504 East 8<sup>th</sup> Street (see applicant's memo). The lot size is 0.61 acres and is zoned DMU. The current use is surface parking and the desired use is hotel. There are three Capitol View Corridors that intersect the property. The property is located in the Waller Creek Watershed. There are three heritage Live Oaks onsite and the critical root zone of an offsite heritage Live Oak extends onto the property from the east.

#### 32" Live Oak Evaluation

Measurements

The subject tree is a 32" diameter Live Oak (Quercus fusiformis).

#### Canopy Conditions

The canopy architecture displays minor asymmetry (Exhibit 1). Storm damage is evident in the canopy as the main leader has been damaged (Exhibit 2). Extensive epicormics growth is apparent (Exhibits 3 and 4). Epicormic growth is generally associated with the tree's response to stress likely related to the root system (see below).

#### Trunk

Storm damage is apparent in lower limbs (Exhibit 5). Otherwise, unremarkable.

#### Root System

Root flare is buried under fill material (Exhibit 6). Critical root zone conditions are characterized by compacted parking areas (Exhibit 7) and cut on the northern half of the critical root zone (Exhibit 8). Girdling roots are present (Exhibit 9). Root decay is present. Extent of root decay is unknown but is a concern.

#### Overall Condition

There is reason for concern about the structural condition of the tree. There is considerable fill material, compaction, and cut over the entire root system. Decay is present in the roots, but the extent is unknown. Epicormic growth in the canopy is likely a result of the poor rooting conditions. More details on the overall condition can be found in the City Arborist Tree Evaluation (Exhibit 10).

#### 30.25" Live Oak Evaluation

#### Measurements

The subject tree is a 30.25" diameter Live Oak (Quercus fusiformis).

#### Canopy Conditions

The canopy architecture displays major asymmetry (Exhibit 11). Canopy dieback is evident in the branches (Exhibit 12) and most growth is in epicormic sprouts (Exhibit 13). Similar to the 32" Live Oak, this growth is likely a stress response related to the root system.

#### Trunk

Cavity is apparent at the base of the subject tree (Exhibit 14).

#### Root System

Root decay is apparent at the root flare of the subject tree (Exhibit 15). Fill material and grade cut impact the entire critical root zone (Exhibit 16). Soil heaving is apparent on the west side of the subject tree (Exhibit 17).

#### Overall Condition

The subject tree is comparatively more stressed than the 32" Live Oak. There is considerable fill material, compaction, and cut over the entire root system. Decay is present in the roots. The dieback in the canopy warrants concern on the biological health of the tree. More details on the overall condition can be found in the City Arborist Tree Evaluation (Exhibit 18).

#### **Variance Request**

The variance request is to allow removal of two heritage trees with stems greater than 30 inches as allowed under LDC 25-8-643.

#### Recommendation

The subject trees have not received care and the root systems have been compromised for likely decades. Consequently, the trees display signs of stress and there is considerable concern about the viability of the root system, particularly the 30.25" Live Oak. The trees are not dead, diseased, or an imminent hazard thus requires a Landuse Commission variance to request removal. However, the trees are not of sufficient structural or biological condition to warrant preservation or transplanting as it is unlikely to survive code compliant construction impacts due to the already compromised rooting conditions.

Therefore, the City Arborist recommends it is not reasonable to incorporate the trees into the design given the tree condition and intended use of the property. The variance request meets approval criteria for the City Arborist per LDC 25-8-624(A) (2). For the City Arborist determination on reasonable use see Exhibit 19.

#### **Mitigation**

The Environmental Criteria Manual standard is 300% mitigation (187 inches of mitigation). However, the suggested mitigation is 150% (93 inches of mitigation) as this is consistent with our practice of reducing mitigation based on tree condition. Staff also recommends avoiding the full critical root zone and canopy of the heritage Live Oak on the adjacent property to the east.

Please contact 512-974-2755 or keith.mars@austintexas.gov if you have questions.

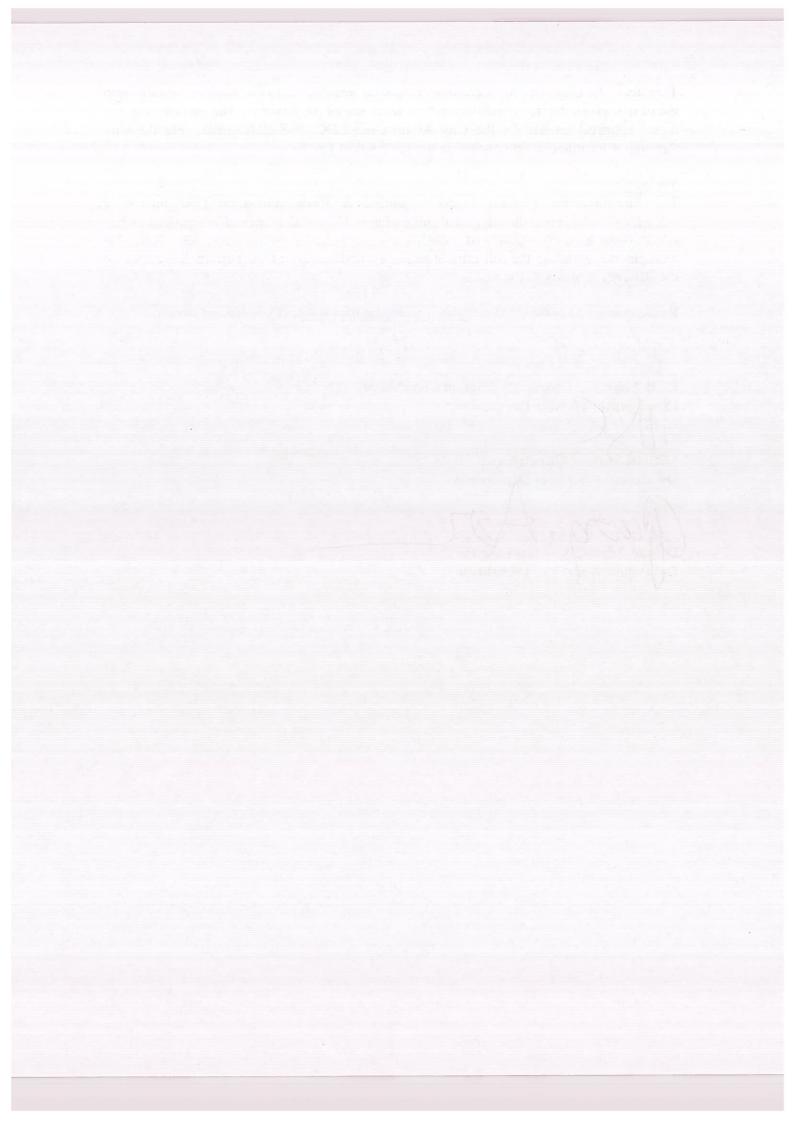
Keith Mars, Environmental Program Coordinator

Development Services Department

Michael Embesi, City Arborist

Development Services Department

George Adams, Assistant Director Development Services Department





# City Arborist Development Services Department Department Staff Recommendations Concerning Heritage Tree Variances

**Application Address: 504 East 8th Street** 

Size and Species of Tree(s): 32.0" and 30.25" diameter Live Oaks

Reason for Request: The applicant is requesting to remove a heritage tree with a stem

greater than 30 inches as allowed under LDC 25-8-643

#### Section 1 – Approval Criteria

1) The requirement for which a variance is requested prevents a reasonable access to the property.

No.

- 2) The requirement for which a variance is requested prevents a reasonable use of the property. Yes. Please see Exhibit 19 for the reasonable use determination rationale.
- 3) The tree presents an imminent hazard to life or property and the hazard cannot be reasonably mitigated without removing the tree.

No. However, there are concerns about tree stability due to root decay.

4) Is the tree dead?

No.

5) Is the tree diseased? If so, is restoration to a sound condition practicable or can the disease by transmitted?

No.

- 6) For a tree located on public property or a public street or easement, the requirement for which a variance is requested prevents:
  - a) the opening of necessary vehicular traffic lanes in a street or alley, or
  - b) the construction of utility or drainage facilities that may not feasibly be rerouted.

NA.

7) The applicant has applied for and been denied a variance, waiver, exemption, modification, or alternative compliance from another City Code provision which would eliminate the need to remove the heritage tree, as required in Section 25-8-646 (*Variance Prerequisite*).

No. Staff is not aware of a variance, waiver, etc. that would be possible for the intended use of the property nor does staff believe a waiver is warranted due to tree condition.

8) Removal of the heritage tree is not based on a condition caused by the method chosen by the applicant to develop the property, unless removal of the heritage tree will result in a design

that will allow for the maximum provision of ecological service and historic and cultural value from the trees preserved on the site.

The method the applicant seeks to develop the property is consistent with the intended uses of DMU zoning.

Name	

**Keith Mars, Environmental Program Coordinator** 

**City Arborist Program** 

**Development Services Department** 

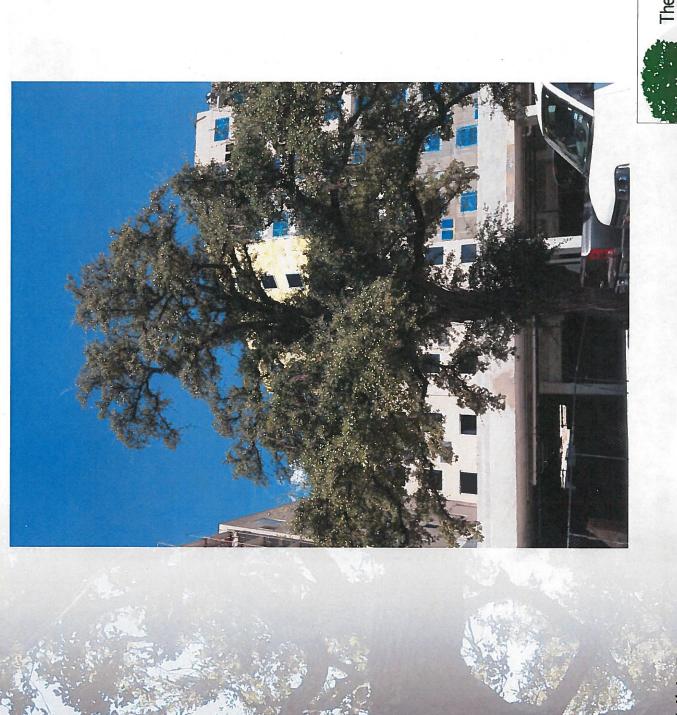
Signature:

Date:

10/13/15







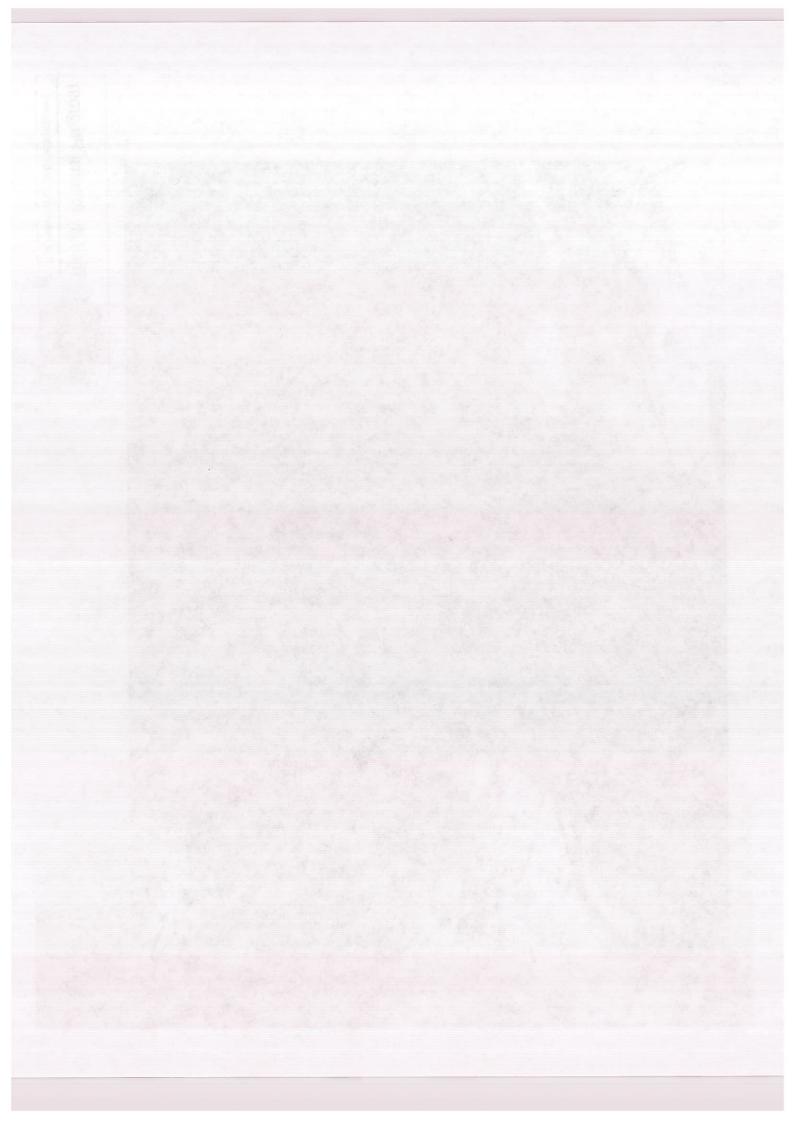
Tree Preservation and Replenishment

The City Arborist Program





Exhibit 8



Exh.b. + \$10



### CITY ARBORIST TREE EVALUATION

Property address:504 East 8 <sup>th</sup> Street Austin, TX  Date:9/22/2015  Evaluator:Keith W. Mars  SIGNATURE:W  ISA/ASCA Certification #:TX-3677AM
1. TREE CHARACTERISTICS  DBH of each trunk: _34
2. TREE HEALTH Foliage color: normal / chlorotic / necrotic Foliage density: normal / sparse Annual shoot growth:
3. SITE CONDITIONS  Site character: residence / commercial / industrial / park / open space / natural / other (see below)  Landscape type: parkway / raised bed / container / open / other (see below)  Irrigation: none / adequate / inadequate / excessive / trunk wetted  Dripline paved: 0% 10-25% 25-50% 50-75% 75-100%  Dripline w/ fill soil: 0% 10-25% 25-50% 50-75% 75-100%  Dripline grade lowered: 0% 10-25% 25-50% 50-75% 75-100%  Dripline grade raised: 0% 10-25% 25-50% 50-75% 75-100%  Soil problems: drainage / shallow / compacted / small volume / other (see below)  Obstructions: lights / signage / line of sight / view / overhead lines / traffic / other (see below)  Wind (tree position): single tree / below canopy / above canopy / recently exposed / canopy edge  Other: Parking d

4. TREE DEFECTS - IDENTIFY ALL AREAS AND SEVERITY THAT APPLY TO EACH DEFECT **DEFECT DEFECT DEFECT TYPE NOTES LEGEND** AREA **SEVERITY** Poor taper B.S.L Codominants/forks AREA Multiple attachments T - Trunk(s) Included bark 20 R - Root Flare Excessive end L - Lateral Roots weight S - Scaffolds B - Branches Cracks/splits M main baden loss Hangers **SEVERITY** Girdling S - Severe Wounds M - Moderate M Decay L-Low Cavity Conks/Mushrooms Bleeding Loose/cracked bark Nesting hole/bee hive Deadwood/stubs Borers/termites/ants Cankers/galls Previous failure 7. OTHER FEATURES natural or unnatural Soil heaving: Y KIN Lean: 200 degrees from vertical Roots exposed: Y / N Soil cracking: Y / N Compounding factors: Decay in plane of lean: Y (N Lean severity: S / M /(L) Suspect root rot: Y N Mushroom/conk present: Y / N ID: Exposed roots: S,/ M (L') Undermined: S / M /(L) Buttress wounded (Y) N Root pruned: 10 feet from trunk Root area affected: 30 % Restricted root area: (S) M / L Potential for root failure: S / M L 6. TARGET AND ABATEMENT building (parking) traffic / pedestrian / recreation / landscape / hardscape Use under tree: Can target be moved: YAN Occupancy: occasional use / medium, intermittent use / frequent use GENERAL TREE CONDITION: EXCELLENT / VERY GOOD / GOOD / FAIR / POOR / IMMINENT HAZARD RISK ABATEMENT Action: prune / remove / other Comments:

7. COMMENTS OR OTHER RISK FACTORS

#### Condition Definitions

Excellent: The tree is nearly perfect in condition, vigor, and form. This rarely used category is generally applicable to small trees or shrubs that have been recently transplanted and are well established. It also applies to large trees that have established themselves successfully in the landscape.

Very Good: Overall, the tree is healthy and satisfactory in condition, vigor, and form. The tree has no major structural problems, no mechanical damage, and may only have insignificant aesthetic, insect, disease, or structure problems.

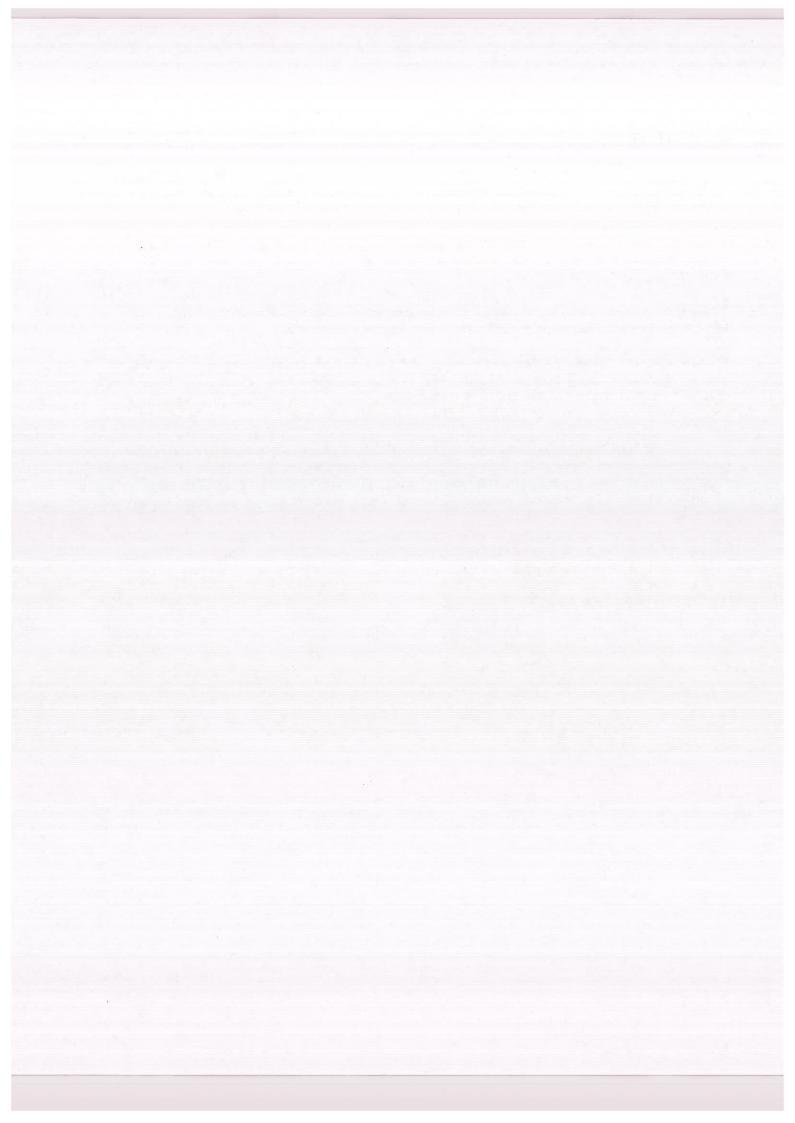
Good: The tree has no major structural problems, no significant mechanical damage, may have only minor aesthetic insect, disease, or structure problems, yet is in good health.

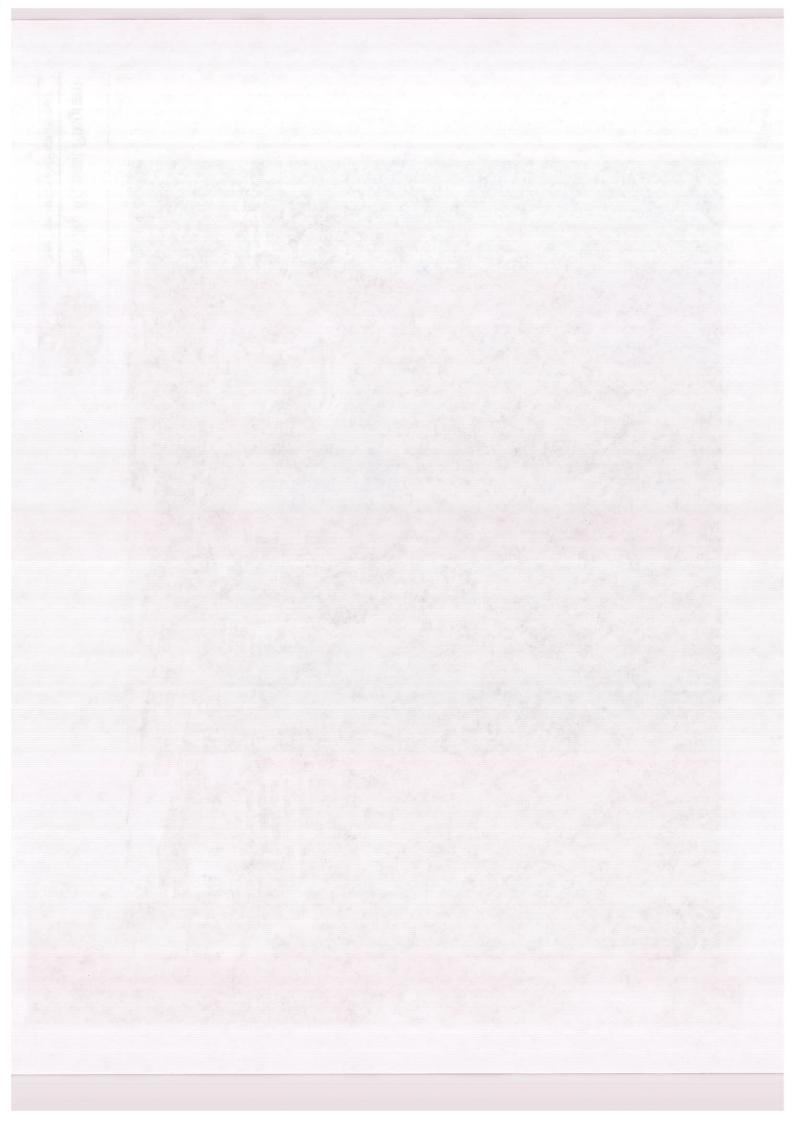
Fair: The tree may exhibit the following characteristics: minor structural problems and/or mechanical damage, significant damage from non-fatal or disfiguring diseases, minor crown imbalance or thin crown, or stunted growth compared to adjacent trees or shrubs. This condition can also include trees that have been topped, but show reasonable vitality and show no obvious signs of decay.

Poor: The tree appears unhealthy and may have structural defects such as codominant stems, severe included bark, or severe trunk and/or limb decay. A tree in this category may also have severe mechanical damage, crown dieback, or poor vigor threatening its ability to thrive. Trees in poor condition may respond to appropriate maintenance procedures, although these procedures may be cost prohibitive to undertake.

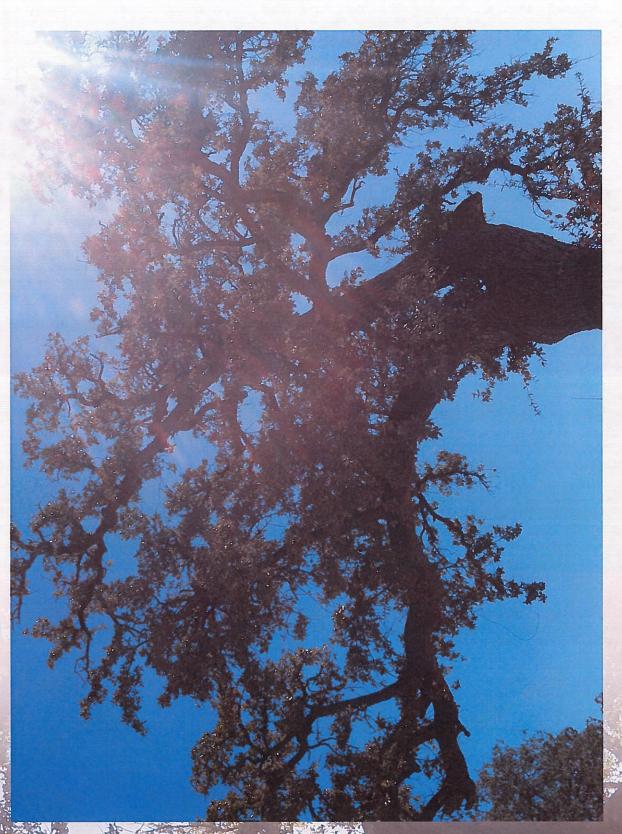
Imminent Hazard: The tree has started to fail or is most likely to occur in the near future, even if there is no significant wind or increased load.

Dead: Tree is biologically dead.

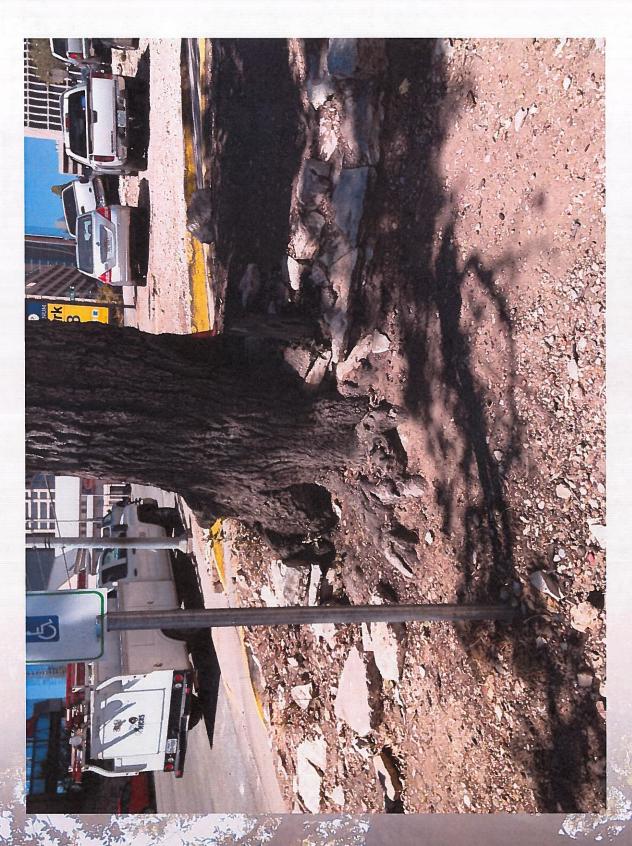




The City Arborist Program
Tree Preservation and Replenishment











## **CITY ARBORIST TREE EVALUATION**

Property address:504 East 8 <sup>th</sup> Street Austin, TX
Date:10/13/2015
Evaluator:Keith W. Mars
bidiareke.
ISA/ASCA Certification #:TX-3677AM
1. There Care is a compression
1. TREE CHARACTERISTICS  DBH of each trunk:30.25 Common & Latin name:Live Oak (Quercus
fusiformis)
Location: Private/ Public Estimated height & canopy spread (ft): 52
Age class: young /(mature) / over-mature / dead (if dead, there is no need to fill out section 2)  Deadwood: 0% 0-10% 10-25% 25-50% >50%
Form: generally symmetric / minor asymmetry / major asymmetry / stump sprout
Pruning history: crown cleaned / excessively thinned / topped / crown raised
pollarded / crown reduced / utility clearance storm damage cleaning / none
Crown class: dominant / co-dominant / intermediate / suppressed
See
A . The same Villes on many
2. Tree Health
Foliage color: normal chlorotic / necrotic Epicormics: Y/N
Foliage density: normal / sparse Leaf size: normal / abnormal
Annual shoot growth:inches Twig dieback: Y) N
Callus development: Y / N If so, is callusing: excellent / average / fair / poor
Vigor class: excellent / average / fair poor
Major pests/diseases:
3. G Garman
3. SITE CONDITIONS
Site character: residence / commercial / industrial park / open space / natural / other (see below)
Landscape type: parkway / raised bed / container / open / other (see below)
Irrigation: none / adequate / inadequate / excessive / trunk wetted
Dripline paved: 0% 10-25% 25-50% 50-75% (75-100%)
Dripline w/ fill soil: 0% 10-25% 25-50% 50-75% 75-100%
Dripline grade lowered: 0% 10-25% 25-50% 50-75% 75-100%
Dripline grade raised: 0% 10-25% 25-50% 50-75% 75-100%
Soil problems: drainage / shallow / compacted / small volume / other (see below)
Obstructions: lights / signage / line of sight / view / overhead lines / traffic / other (see below)
Wind (tree position) rsingle tree below canopy / above canopy / recently exposed / canopy edge

Other: \_ 4. TREE DEFECTS – IDENTIFY ALL AREAS AND SEVERITY THAT APPLY TO EACH DEFECT DEFECT **DEFECT NOTES DEFECT TYPE LEGEND SEVERITY** AREA Poor taper Codominants/forks **AREA** Multiple attachments T - Trunk(s)Included bark R - Root Flare Excessive end L – Lateral Roots S - Scaffolds weight B - Branches Cracks/splits Hangers **SEVERITY** Girdling S - Severe Wounds M - Moderate Decay L-Low Cavity Conks/Mushrooms Bleeding Loose/cracked bark Nesting hole/bee hive Caropy retrachment paradual sorer activity Deadwood/stubs Borers/termites/ants Cankers/galls 5,3 Previous failure

7. OTHER FEATURES		ar an experience of the second		
Lean: _5 degrees from vertical	natural or unnatural	Soil heaving: Ø / N		
Decay in plane of lean: Y / N	Roots exposed:  / N	Soil cracking: Y / 🕥		
Lean severity: S / M / L	Compounding factors:			
Suspect root rot: Y / N	Mushroom/conk present: Y / N ID:			
Exposed roots: S / M / L	Undermined: S / M / L	<b>A</b>		
Root pruned: 3 feet from trunk	Root area affected: 95 9	Buttress wounded:(Y) / N		
Restricted root area: S / M / L	Potential for root failure:	S/M/L		
6. TARGET AND ABATEMENT				
Use under tree: building / pa	rking / traffic, k pedestrian	/ recreation / landscape / hardscape		
Occupancy: occasional use / medi	um, intermittent use / frequen	/ recreation / landscape / hardscape nt use		
Coupanoj:				
GENERAL TREE CONDITION: EXCE	ELLENT / VERY GOOD / GOOD	/ FAIR / POOR IMMINENT HAZARD		
GENERAL TREE CONDITION DATE				
RISK ABATEMENT				
Action: prune / remove / other	Comments:			
Action: prune / remove / other				
7. COMMENTS OR OTHER RISK FA	CTORS			
7. COMMENTS OR OTHER RISK PA	CIONS			

#### **Condition Definitions**

Excellent: The tree is nearly perfect in condition, vigor, and form. This rarely used category is generally applicable to small trees or shrubs that have been recently transplanted and are well established. It also applies to large trees that have established themselves successfully in the landscape.

Very Good: Overall, the tree is healthy and satisfactory in condition, vigor, and form. The tree has no major structural problems, no mechanical damage, and may only have insignificant aesthetic, insect, disease, or structure problems.

Good: The tree has no major structural problems, no significant mechanical damage, may have only minor aesthetic insect, disease, or structure problems, yet is in good health.

Fair: The tree may exhibit the following characteristics: minor structural problems and/or mechanical damage, significant damage from non-fatal or disfiguring diseases, minor crown imbalance or thin crown, or stunted growth compared to adjacent trees or shrubs. This condition can also include trees that have been topped, but show reasonable vitality and show no obvious signs of decay.

Poor: The tree appears unhealthy and may have structural defects such as codominant stems, severe included bark, or severe trunk and/or limb decay. A tree in this category may also have severe mechanical damage, crown dieback, or poor vigor threatening its ability to thrive. Trees in poor condition may respond to appropriate maintenance procedures, although these procedures may be cost prohibitive to undertake.

Imminent Hazard: The tree has started to fail or is most likely to occur in the near future, even if there is no significant wind or increased load.

Dead: Tree is biologically dead.

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### City Arborist Reasonable Use Determination: Criteria and Application to the Subject Property

1. Has the applicant applied for and been denied a variance, waiver, exemption, modification or alternative compliance from another city code provision which would eliminate the need to remove the heritage tree?

Due to the location of the tree on the lot it does not appear a variance, waiver, exemption, modification or alternative compliance could be sought that would preserve the tree. Further, the City Arborist does not recommend preservation of the trees due to biological and structural condition.

2. Is the removal of the heritage tree based on a condition caused by the method chosen by the applicant to develop the property, and if so, will removal of the heritage tree result in a design that will allow for the maximum provision of ecological service, historic, and cultural value of the trees on the site?

No. Given the DMU zoning and intended use, build out of the entire site is reasonable.

3. Is this the minimum change necessary?

Yes. No other variances are being sought at this time.

4. What is the zoning and allowable impervious cover for the property? Does intensity of development or size of the lot contribute to reasonable use?

The zoning is DMU. Yes, the intensity of development contributes to an issue of reasonable use. However, as previously noted, the biological and structural condition of the trees do not warrant preservation.

5. Is the application to derive reasonable use a result of the actions by the applicant in subdividing the property or adjusting boundary lines (i.e. is this issue self imposed)?

No. The property has not recently been subdivided.

6. Does the proposal mitigate the removal to the maximum extent possible?

Staff has provided mitigation options per the Environmental Criteria Manual.

<sup>\*</sup>This document was created by the City Arborist to assist in determining whether a tree proposed for removal prevents a reasonable use of the property. This is not an official or legally binding document, and the considerations used by the City Arborist are subject to change.

### Exhibit 19

7. Is there a history of non-compliance with the site?

AMANDA records do not indicate a history of non-compliance.

<u>Conclusion:</u> The trees prevent reasonable use of the property due to: (1) the condition of the trees do not warrant preservation and (2) the intended use of the property. The City Arborist recommends granting the variance to allow removal of the tree, once mitigation conditions are established and either satisfied or fiscal security posted to ensure performance of the mitigation conditions.

<sup>\*</sup>This document was created by the City Arborist to assist in determining whether a tree proposed for removal prevents a reasonable use of the property. This is not an official or legally binding document, and the considerations used by the City Arborist are subject to change.

### Memo

To:

Mary Gay Maxwell, PhD - Chair, City of Austin Environmental Commission, and

Honorable Environmental Commissioners

From:

Barton Creek Capital, LLC

Date:

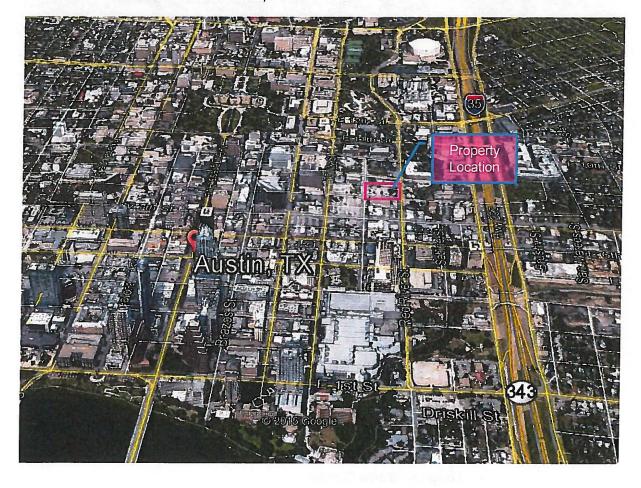
October 10, 2015

Re:

Land Use Commission Variance Request

SITE:

The site is located on the northeast corner of Neches Street and 8th Street in downtown Austin, Texas. The site is alternately addressed to be 504 E. 8<sup>th</sup> Street or 508 E. 8<sup>th</sup> Street in Austin, TX 78701.



**SITE CONDITIONS:** Currently, the entire site is being operated as a surface parking lot. The site consists of gravel, asphalt, and concrete, and has > 95% impervious cover.

There are currently two (2) Live Oak (LO) heritage trees on the site (Exhibit A) – both in poor health – that are being requested for removal:

- A 32" LO in the center of the North side of the property abutting the alley;
   and
- A 30.5" Live Oak in the center of the South side of the property, directly adjacent to 8<sup>th</sup> Street.

One other tree in ill health has been requested for removal by an administrative process.



#### **CONSTRAINTS:**

The property consists of 0.61 acres (26,542 square feet) and it is zoned Downtown Mixed Use (DMU) (Exhibit B). It is extremely limited in size for an infill property in the Central Business District.

Three Capitol View Corridors traverse the site (Exhibit C), all impacting what can be built on this important downtown site:

- Court Building Corridor
- Longhorn Shores Corridor
- Waller Creek Plaza Corridor

The adjacent property east of this property has an estimated 40"+ Live Oak tree on site, with both the root zone and canopy extending onto this site. Adequate protection of this 40"+ tree could potentially further limit the area to be developed on this site (Exhibit D).

Given the small size of the site and other constraints, without a variance to remove the two trees referenced above, reasonable development on this site is highly limited and becomes impractical due to the presence of capital view corridors and the inability to utilize structured parking.

#### **DESIRED REASON:**

The current intention with the site is to develop a limited service hotel infill project. The proposed hotel development intends to respect the canopy and critical root zone of the 40"+ Live Oak on the adjacent property to the east, and is reflected in the preliminary floor plan presented in EXHIBIT D.

While there are three (3) Live Oak trees that are in various states of decay and decline on the site, one tree is being evaluated via an administrative review process based on the very poor condition that tree is in, potential danger to the public, and limitations on the how the site can be developed.

The first of the two remaining trees – the 32" Live Oak depicted in Exhibit A and described in detail (with photographs) in Appendix E – is being requested for removal based on tree health issues and site constraints.

This tree has been recently evaluated by Pat Wentworth with Austin Tree Specialists. A root collaring was performed on the tree at the request of the City of Austin Arborist, and it is Mr. Wentworth's opinion that this tree exhibits severe decayed roots and will likely fail, and it should be removed before doing so.

Further, due to the poor environment in which this tree is located, the health of the tree, and the significant site constraints, it is apparent that this tree is not a candidate for transplant, and thus it is the Applicant's desire to mitigate for the removal of this sick and decaying tree from the site.

The second of the two remaining trees – the 30.5" Live Oak depicted in Exhibit A and described in detail (with photographs) in Appendix F – is being requested for removal based on tree health issues, pedestrian safety issues, and site constraints.

This tree was also recently evaluated by Pat Wentworth with Austin Tree Specialists. He has been monitoring the tree for over 4½ years and has observed it steadily declining due to its location and trauma to the root system. It is Mr. Wentworth's opinion that this tree is hazardous given its proximity to the public and heavily trafficked areas, and should be removed.

### LAND DEVELOPMENT CODE § 25-8-643 – LAND USE COMMISSION

VARIANCE - Full tree assessment reports provided as Exhibits E and F to this report

Land Development Code § 25-8-643 - LAND USE COMMISSION VARIANCE.

- (A) The Land Use Commission may grant a variance from Section 25-8-641 (Removal Prohibited) to allow removal of a heritage tree that has at least one stem that is 30 inches or larger in diameter measured four and one-half feet above natural grade only after determining, based on the city arborist's recommendation, that the heritage tree meets the criteria in Section 25-8-624(A) (Approval Criteria) [SEE BELOW], and that:
- (1) the applicant has applied for and been denied a variance, waiver, exemption, modification, or alternative compliance from another City Code provision which would eliminate the need to remove the heritage tree, as required in Section 25-8-646 (Variance Prerequisites); and

RESPONSE (32" Live Oak): The Applicant has no other course of action to allow reasonable use of the Property. While Capitol View Corridors blanket the site and significantly restrict the reasonable development of the site, no variances can be pursued to these constraints from the City of Austin.

RESPONSE (30.5" Live Oak): Same as above.

(2) removal of the heritage tree is not based on a condition caused by the method chosen by the applicant to develop the property, unless removal of the heritage tree will result in a design that will allow for the maximum provision of ecological service, historic, and cultural value of the trees on the site.

RESPONSE (32" Live Oak): The requested removal of this tree is not based on a condition caused by the method chosen to develop the property. The tree is in very poor health, can be considered a danger to the general public, and the extremely limited dimensions of the site effectively require the use of the entire property for structured parking to be functional.

Structured parking is the most applicable type of parking for this downtown infill project. This type of parking supports the proposed use for the site, which is in direct alignment with the following policy goals identified in the Imagine Austin Comprehensive Plan:

- LUT P3
- LUT P4
- LUT P7
- LUT P22
- LUT P32

- HN P11
- S P3
- CE P2
- CE P4 (healthy 40+" Live Oak adjacent to site)

Further, the Applicant has voluntarily limited the development on the east side of the Property to preserve an existing 40+" Live Oak (both critical root zone and canopy).

RESPONSE (30.5" Live Oak): Same as above.

### Land Development Code § 25-8-624 – APPROVAL CRITERIA.

- (A) The Planning and Development Review Department may approve an application to remove a protected tree only after determining that the tree:
- Prevents a reasonable use of the property;

RESPONSE (32" Live Oak): The Applicant has no other course of action to allow reasonable use of the Property. The Applicant has voluntarily limited the development on the east side of the Property to preserve an existing 40+" Live Oak (both critical root zone and canopy). Further, while Capitol View Corridors blanket the site and significantly restrict the reasonable development of the site, no variances can be pursued to these constraints from the City of Austin.

Given the small size of the site, without a variance to remove this tree, a development is highly limited due to the inability to utilize structured parking. This type of parking supports the proposed use for the site, which is in direct alignment with the goals of the Imagine Austin Comprehensive Plan – namely promoting development in the central City, in Centers, or along activity corridors where the use of natural resources is more efficient on a per capita basis and sprawl can be avoided.

RESPONSE (30.5" Live Oak): Same as above.

• Is an imminent hazard to life or property, and the hazard cannot reasonably be mitigated without removing the tree;

RESPONSE (32" Live Oak): The tree has a 25 to 30 degree lean out of plumb, with the supporting roots on the north side of the tree severed and decaying. Mechanically, out of balance, if left alone as a parking lot tree, this tree would eventually fail and would either cause property damage, personal injury, or both.

As a very poor candidate for transplanting, the best solution for this tree is removal with mitigation.

RESPONSE (30.5" Live Oak): The lean on this tree has increased from less than 10° to more than 20° in the past year, very likely from the root system being significantly compromised. Given the proximity to sidewalks, off-street parking areas, on-street parking areas, and traffic on 8<sup>th</sup> Street, this tree is becoming more hazardous and needs to be removed.

- is diseased, and:
  - o restoration to sound condition is not practicable;

RESPONSE (32" Live Oak): The presence of excessive epicormics sprouts is a sign of extreme stress. The trunk collar/ root collar has been buried beneath 8-12 inches of fill soil consisting of soil, rocks, bricks, and asphalt has taken a toll on the tree.

RESPONSE (30.5" Live Oak): Branch tips can be seen to be dead or dying in full sun (in a year with abundant rainfall), which is a likely indication of roots breaking or being significantly damaged below grade from a change in position. A water line has been installed below grade on the west side of the trunk within approximately 2 feet of the tree, and the curb to the west of the tree has shown cracks and changed in elevation over the years – both showing movement of the root system.

### EXHIBIT B SITE SURVEY

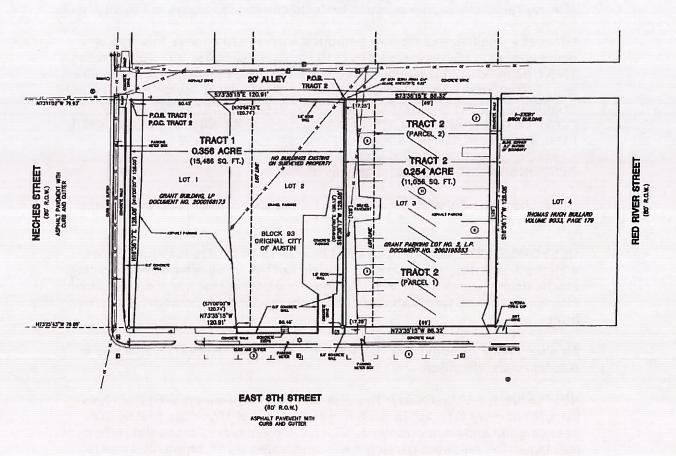


EXHIBIT C
CAPITOL VIEW CORRIDORS IMPACTING THE SITE

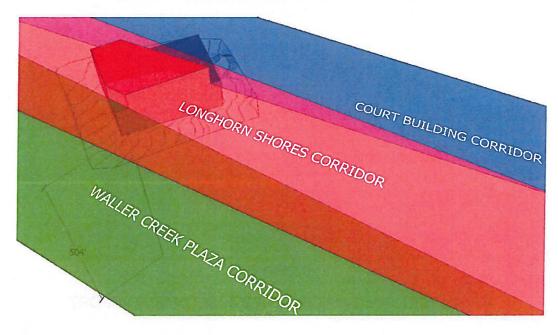
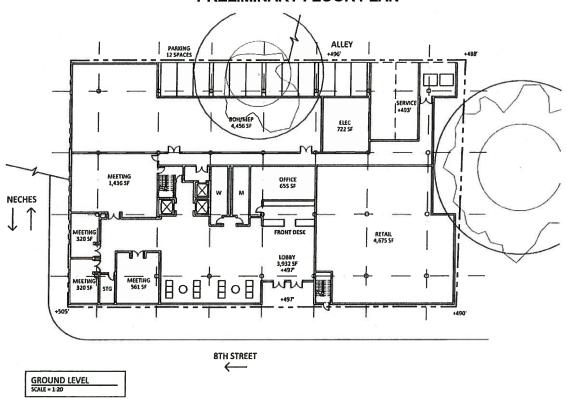
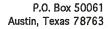


EXHIBIT D
PRELIMINARY FLOOR PLAN



# EXHIBIT E AUSTIN TREE SPECIALISTS – TREE ASSESSMENT REPORT





(512) 291-8844 fax (512) 291-8555 www.austintreespecialists.com

September 10, 2015

Keith Buchanan Barton Creek Capital 515 Congress Ave., Suite 1515 Austin, Texas 78701

RE: 32-inch live oak at 504 East 8th Street

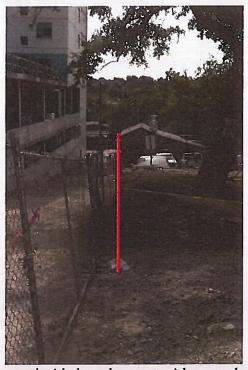
Dear Sir;

After exploring the condition of the 32-inch live oak at the above address, I found the following concerns.

### **Observations**



The tree has a 25 to 30° lean out of plumb

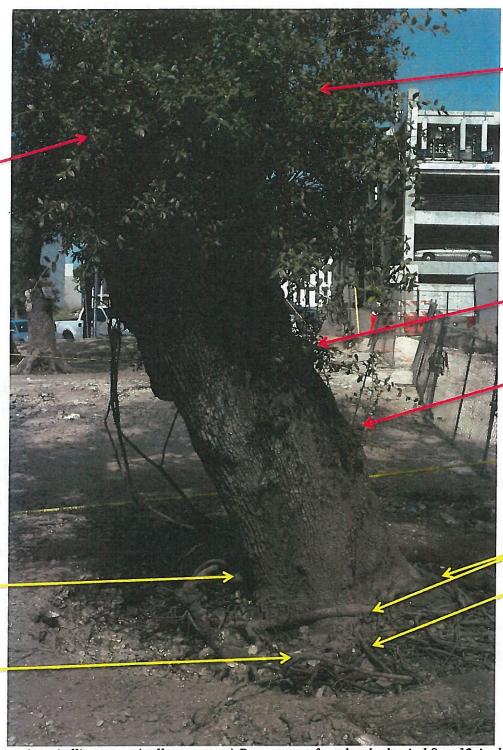


All of the roots on the north side have been cut with several roots well in excess of 2-inches in diameter exposed on the north side of the tree showing signs of decay.

View from west side.



View from east side – note excessive girdling roots.



Excessive girdling roots (yellow arrows) Root crown found to be buried 8 to 12-inches below grade with fill consisting of rubble, bricks, excessive soil and asphalt.

Also note excessive epicormic sprouting on trunk (red arrows).



Close up of girdling roots

### Discussion

The presence of excessive epicormic sprouts is a sign of extreme stress. The trunk collar / root collar has been buried beneath 8 to 12-inches of fill soil consisting of soil, rocks, bricks, and asphalt has taken a toll on the tree.

The most concerning situation perhaps is the lean of 25° to 30° to the south with the supporting roots on the north side of the tree severed and decaying. Mechanically out of balance, if left alone as a parking lot tree, this tree would eventually fail and would either cause property damage, personal injury, or both.

As a very poor candidate for transplanting, the best solution for this tree is removal with mitigation to be worked out by the City and staff.

Sincerely;

Patrick Wentworth

ISA Certified Arborist #TX-0119

American Society of Consulting Arborists

Texas Oak Wilt Certification #TOWC-0001

TDA License #0525651

ISA Texas Chapter's Texas Arborist of the Year 1999

ISA Texas Chapter's Texas Arborist of the Year 2002

Austin Arborist of the Year 2004, Austin Chronicle's Readers' Poll



# Tree Ordinance Review Application Planning and Development Review Department One Texas Center, 505 Barton Springs Road, 4th floor, Austin, TX 78704 Phone: (512) 974-1876 Fax: (512) 974-3010 Email: Michael.Embesi@ci.austin.tx.us Website: www.ci.austin.tx.us/trees

ROW I.D. Mapsco Pg# \_\_\_\_\_

Application request* (specify all that apply):  Tree removal  Development exceeding allowable standards for encroachment in the	Manual
Development exceeding allowable standards for encroachment in the	
Development exceeding allowable standards for encroachment in the	erstands
tree's critical root zone; does not guarantee favorable tree	ealth of pplication
Removal of more than 30% of a tree's crown.	
Address and zip code of property: 504 East 8th Street, Austin, 78701	
Name of owner or authorized agent: Pat Wentworth / Keith Buchanan	
Building permit number (if applicable):	
Telephone #: 512 474-4000 Fax #: 512-656-8522 E-mail: kbuchanan@bartoncreekcap.c	om
Tree Species: live oak Tree location on lot: Rear center near alley	
Trunk size (in inches) at 4 ½ feet above ground: circumference (around) 100.5" or diameter (across) 32"	
General tree condition: ☐ Good / ☐ Fair / ☐ Poor / ☐ Dead	
Reason for request: Removal as potential hazard tree	
Patrick D  Digitally signed by Patrick D Wentworth DN: cn-Patrick D Wentworth, o-Austin Tree Specialists, ou, emailedists, ou	
Owner/ Authorized Agent Signature Date	
o Proposed development projects should include an aerial drawing that includes the location of the tree and planned improvements (e.g. structure, driveway, utility and irrigation lines).	
<ul> <li>This application is reviewed for tree impacts only; not for zoning or other applicable regulations. Payment (\$25 check City of Austin) must be made prior to City personnel completing this application. No fee is required for dead or disease</li> </ul>	to the sed trees
Application Determination – To be completed by City Arborist Program Personnel	
☐ Approved ☐ *Approved With Conditions ☐ Denied ☐ Statutory Denial (more information re	equired
Comments	
☐ Heritage Tree(s) ☐ A heritage tree variance is required: ☐ Administrative / ☐ Land Use Comm	mission
Conditions of Approval:  None or  As described within Arborist Comments (see above); and	
Applicant agrees to plant caliper inches of container grown City of Austin Appendix F trees on the lo obtaining a final inspection (if applicable). Trees are to have a minimum 2-inch trunk diameter. Examples Oaks, Cedar Elm, Bald Cypress, Desert Willow, Mountain Laurel, Texas Persimmon, Mexican Plum, etc.	t prior to s include
Prior to development, applicant agrees to supply a root zone mulch layer and maintain tree protection fencing (chain-link, five-foot in height) throughout the project duration. (ECM 3.5.2)	
Provide a receipt for remedial tree care and / or any required pruning as performed by a certified arborist.	
No impacts are permitted within the tree ½ Critical Root Zone (ECM 3.5.2), including trenching for utilities.	- 34
Applicant Signature Date City Arborist Signature D	Date

# TREE RISK EVALUATION FORM (EXAMPLE)

Property address: 504 EAST 8th St.	Date: 9/10/15
Property owner: PLATINUM PARKING Evaluator:	E. Squee Jantuck
	Certification #: TX-0119
1. TREE CHARACTERISTICS  DBH of each trunk: 32" Common & Latin name:  Location: Private Public Estimated height & canopy spre Age class: young / mature / over-mature / dead (if dead,  Deadwood: 0% 0-10% 10-25% 25-50%  Form: generally symmetric / minor asymmetry / major  Pruning history: crown cleaned / excessively thinned / t  pollarded / crown reduced / utility clean  Crown class: dominant / co-dominant / intermediate / supp	there is no need to fill out section 2)  >50%  or asymmetry / stump sprout opped / crown raised rance / storm damage cleaning / none
Foliage density: normal / sparse Lea Annual shoot growth: < 2 inches Twi	cormics: Y N  If size: normal / abnormal  ig dieback:Y / N  ellent / average / fair / poor
3. SITE CONDITIONS Site character: residence / commercial / industrial / park / Landscape type: parkway / raised bed / container / open / Irrigation: none adequate / inadequate / excessive / tru Dripline paved: 0% 10-25% 25-50% Dripline w/ fill soil: 0% 10-25% 25-50% Dripline grade lowered: 0% 10-25% 25-50% Dripline grade raised: 0% 10-25% 25-50% Soil problems: drainage / shallow / compacted: Obstructions: lights / signage / line of sight / view / overher Wind (tree position): single tree / below canopy / above	other (see below) unk wetted 50-75% 75-100% 50-75% 75-100% 50-75% 75-100% 50-75% 75-100% 2 / small volume / other (see below) ead lines / traffic / other (see below) opy / recently exposed / canopy edge

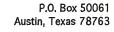
4. TREE DEFECTS – IDENTIFY ALL AREAS AND SEVERITY THAT APPLY TO EACH DEFECT

DEFECT TYPE	DEFECT AREA	DEFECT SEVERITY	NOTES	LEGEND
Poor taper				
Codominants/forks				ADDA
Multiple attachments				AREA T – Trunk(s)
Included bark				R – Root Flare
Excessive end weight				L – Lateral Roots S – Scaffolds
Cracks/splits				B – Branches
Hangers				
Girdling	LIR	M		SEVERITY
Wounds				S – Severe M – Moderate
Decay	LiR	S/M		L – Low
Cavity			A CONTRACTOR OF THE CONTRACTOR	L Low
Conks/Mushrooms	siloy (isome)			
Bleeding				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants		1 1183		
Cankers/galls				
Previous failure				E MIT JULIA

Cankers/galls				-
Previous failure	nnen bereite bis			
7. OTHER FEATURES				
Lean: 30 degrees from		unnatural	Soil heaving: Y /	
Decay in plane of lean: X		oosed: Y N	Soil cracking: Y	/(N)
Lean severity: S /M / L	Compour	iding factors: 10	0% COMPACTE	D RAISED GRADE
Suspect root rot: V/ N	Mushroo	m/conk present:	Y/N ID:	
Exposed roots: S / M / I	) Undermi	ned: S/M/L		
Root pruned: 6 feet from	trunk Root area	a affected:>35%	6 Buttress w	ounded: Y / N
Restricted root area (S)	M / L Potential	for root failure:	S (M) / L	
			Wilder	
6. TARGET AND ABATEMEN	łΤ			
Use under tree: buildi	ng / parking / tra	ffic / pedestrian /	recreation / landso	cape (hardscape)
Occupancy: occasional us				
RISK ABATEMENT			_	
Action: prune /remove / oth	ner Commen	ts: EXCESSI	UE EDICORM	nic sprouts
SUGGEST EXTRE	ME STRESS	GIRDLING	ROOTS: 8-14	+ inches
OF COMPACTE	OFILL SOI	L W/ 100%	6 IMPERVIOR	US COVER
7. COMMENTS OR OTHER I	RISK FACTORS			
ROOTS SEVERED	ON NORTH	SIDE ODDOS	ITE THE LE	AN WIDERAL
			101-5-101	21155
present in	=XPOSED KOO	(7 5 60 d (V	TCHES IN DI	MIFIEL

Failure potential: 1 2 3 4 Size of Part: 1 2 3 Target: 1 2 3 Other Risk Factors: 0 1 2 Risk rating: Low: 3 4 Moderate: 5 6 High: 7 8 9 Extremely high: 10 11 12

## EXHIBIT F AUSTIN TREE SPECIALISTS – TREE ASSESSMENT REPORT





(512) 291-8844 fax (512) 291-8555 www.austintreespecialists.com

August 20, 2015

Keith Buchanan Barton Creek Capital 515 Congress Ave, Suite 1515 Austin, Texas 78701

Re: 30.5" live oak

Dear Sir;

After looking over the condition of the live oak at 504 East 8<sup>th</sup> Street (near the Eighth Street side) it is recommended that the tree be removed.



30.5" Live oak with 20° lean to the east



Arrows indicate dead branches in full sunlight indicating root damage



Curbing cracked and lifted on the west side of tree opposite the lean

I have been following the decline of this tree for the last 5+ years. This year, for the first time, it is beginning to show the definitive signs of moving to the east. The lean has increased by 5 to 7 degrees. The curbing on the west side of the tree has lifted as has the paved driveway entrance indicating soil heaving. Branch tips dying in full sunlight indicate root damage.

The likelihood of this tree failing is great. Removal is recommended.

Sincerely;

Patrick Wentworth

ISA Certified Arborist #TX-0119

American Society of Consulting Arborists

Texas Oak Wilt Certification #TOWC-0001

TDA License #0525651

ISA Texas Chapter's Texas Arborist of the Year 1999

ISA Texas Chapter's Texas Arborist of the Year 2002

Austin Arborist of the Year 2004, Austin Chronicle's Readers' Poll

ISA True Professional Award 2010



ROW I.D	
Mapsco Pg#	

Tree Ordinance Review Application

Planning and Development Review Department
One Texas Center, 505 Barton Springs Road, 4th floor, Austin, TX 78704
Phone: (512) 974-1876 Fax: (512) 974-3010
Email: Michael.Embesi@ci.austin.tx.us Website: www.ci.austin.tx.us/trees

Application request* (specify all that apply):  Tree removal	* Refer to Land Development Code 25-8 (B)(1) and Environmental Criteria Manual (Section 3, App. F). Applicant understands
Development exceeding allowable standards for encroachment in the tree's critical root zone;	that all impacts may threaten the health of the tree and that approval of this application does not guarantee favorable tree results.
Removal of more than 30% of a tree's crown.	adde not guarantee to the total of the total
Address and zip code of property: 504 East 8th Street	
Name of owner or authorized agent: Pat Wentworth/ Keith Buchanan	
Building permit number (if applicable):	
Telephone #: 6512-291-8844 Fax #: E-mail: pat-	ats@texas.net
Tree Species: live oak Tree location on lot: South	th center near 8th street
Trunk size (in inches) at 4 ½ feet above ground: circumference (around) 95.7	75" or diameter (across) 30.5"
General tree condition: ☐ Good / ☐ Fair / ☐ Poor / ☐ Dead	
Reason for request: Tree falling over, pavement and curbing lifting, but	ranch tips indicate root damage
Patrick D  Digitally signed by Patrick O Wenhvorth ON: cn=Patrick D Wenhvorth ON: cn=Patrick D Wenhvorth, o=Austin Tree Specialists, ou, emails ats@texas net, c=U8 Date: 2015.08.21 15.01.27-05.00  8/20/2015	
Owner/ Authorized Agent Signature Date	
o Proposed development projects should include an aerial drawing that includes the improvements (e.g. structure, driveway, utility and irrigation lines).	location of the tree and planned
<ul> <li>This application is reviewed for tree impacts only; not for zoning or other applicable City of Austin) must be made prior to City personnel completing this application.</li> </ul>	e regulations. Payment (\$25 check to the lo fee is required for dead or diseased trees.
Application Determination – To be completed by City Arbo	rist Program Personnel
☐ Approved ☐ *Approved With Conditions ☐ Denied ☐ Statu	utory Denial (more information required)
Comments	
☐ Heritage Tree(s) ☐ A heritage tree variance is required: ☐ Adm	ninistrative /  Land Use Commission
Conditions of Approval:	ments (see above); and
Applicant agrees to plant caliper inches of container grown City of Au obtaining a final inspection (if applicable). Trees are to have a minimum 2 Oaks, Cedar Elm, Bald Cypress, Desert Willow, Mountain Laurel, Texas P	-inch trunk diameter. Examples include
Prior to development, applicant agrees to supply a root zone mulch layer a fencing (chain-link, five-foot in height) throughout the project duration. (EC	and maintain tree protection CM 3.5.2)
Provide a receipt for remedial tree care and / or any required pruning as po	
☐ No impacts are permitted within the tree ½ Critical Root Zone (ECM 3.5.2)	
Applicant Signature Date City A	Arborist Signature Date

### TREE RISK EVALUATION FORM

(EXAMPLE)

Property address: 504 EAST 8th ST. Date: 8/20/15
Property owner: PLATINUM PARKING Evaluator: PATRICK WENTWOFTH
SIGNATURE: Atuch Sentinois
ISA/ASCA Certification #: TX-0119
1. TREE CHARACTERISTICS  DBH of each trunk: 30.5 Common & Latin name: LIVE OAK QUERCUS FUSIFO  Leasting Private (Public) Festimeted height & canony spread (ff): 32-21
Location, Physic Apublic Stimated neight & canopy spicad (it).
Age class: young / mature / over-mature / dead (if dead, there is no need to fill out section 2)
Deadwood: 0% 0-10% 10-25% 25-50% >50%
Form: generally symmetric / minor asymmetry / major asymmetry / stump sprout  Pruning history: crown cleaned / excessively thinned / topped / crown raised
pollarded / crown reduced / utility clearance / storm damage cleaning / none
Crown class: dominant / co-dominant / intermediate / suppressed
2. Tree Health
Foliage color: normal / chlorotic / necrotic Epicormics: Y/N
Foliage density: normal / sparse Leaf size: normal / abnormal
Annual shoot growth:inches
Callus development: Y / N If so, is callusing: excellent / average / fair / poor  Vigor class: excellent / average / fair / poor
Major pests/diseases:
Hajor pests/diseases.
1-1-200m2-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1
3. SITE CONDITIONS
Site character: residence / commercial / industrial / park / open space / natural / other (see below)
Landscape type: parkway / raised bed / container / open / other (see below)
Irrigation: none b adequate / inadequate / excessive / trunk wetted
<b>Dripline paved:</b> 0% 10-25% 25-50% 50-75% 75-100% <b>Dripline w/ fill soil:</b> 0% 10-25% 25-50% 50-75% 75-100%
<b>Dripline grade lowered:</b> 0% 10-25% 25-50% 50-75% 75-100% <b>Dripline grade raised:</b> 0% 10-25% 25-50% 50-75% 75-100%
Soil problems: drainage / shallow compacted / small volume / other (see below)
Obstructions: lights / signage / line of sight / view / overhead lines / traffic / other (see below)
Wind (tree position): single tree P below canopy / above canopy / recently exposed / canopy edge
Other: PARKING LOT TREE

4. I KEE DEFECTS	IDENTIFY A	L AREAG AND DETEN	ALL MARKET CALLED	
DEFECT TYPE	DEFECT AREA	DEFECT SEVERITY	NOTES	LEGE
Poor taper				
0 1 1 10 1-				

DEFECT TYPE	AREA	SEVERITY	NOTES	LEGEND
Poor taper				
Codominants/forks				AREA
Multiple attachments				T – Trunk(s)
Included bark		, Augustinus Bu		R - Root Flare
Excessive end weight				L – Lateral Roots S – Scaffolds
Cracks/splits				B – Branches
Hangers				SEVERITY
Girdling				S – Severe
Wounds				M – Moderate
Decay	RIL	M/S		L-Low
Cavity				Maria de la companya del companya de la companya de la companya del companya de la companya de l
Conks/Mushrooms			Company of the Asset of the Company	A RESIDENCE DE LA SEGUE
Bleeding				THE PARTY OF THE
Loose/cracked bark				
Nesting hole/bee hive			A CONTRACTOR OF THE SECOND SEC	
Deadwood/stubs			W. Carlotte and Ca	
Borers/termites/ants				
Cankers/galls				
Previous failure				

I ICVIOUS IUITUTO		
7. OTHER FEATURES  Lean: 20 degrees from vertical  Decay in plane of lean: Y N  Lean severity: S M / L  Suspect root rot: Y N  Exposed roots: S / M / L  Root pruned: 2 feet from trunk  Restricted root area: S / M / L	natural or unnatural Soil he Roots exposed: Y N Soil cr Compounding factors: VILIT Mushroom/conk present: Y N Undermined: S / M / L Root area affected: 50 % Potential for root failure: S M	ID:  Buttress wounded: Y / N
Occupancy: occasional use / medi	rking / traffic / pedestrian / recreatum, intermittent use / frequent use	Can target be moved: Y /(N)
Action: prune remove other	Comments: I HAVE OBSETTED LEAN TO THE EAST CURB NOW (RACKET	1 15 INCREDING
7. COMMENTS OR OTHER RISK FAC	CTORS V WEST SIDE OPPOS	SITE THE LEAN

8. TREE RISK (SEE THE ADDITIONAL RISK ASSESSMENT GUIDELINES)
RATING: Risk rating (circle one):
Failure potential: 1 2 3 4 Size of Part: 1 2 3 Target: 1 2 3 Other Risk Factors: 0 2
Risk rating: Low: 3 4 Moderate: 5 6 High: 7 8 9 Extremely high: 10 11 12