



**ITEM FOR ENVIRONMENTAL COMMISSION AGENDA**

**COMMITTEE MEETING DATE:** November 2, 2022

**NAME & NUMBER OF PROJECT:** Brodie Oaks Redevelopment PUD C814-2021-0099

**NAME OF APPLICANT OR ORGANIZATION:** Armbrust & Brown (David Armbrust)

**LOCATION:** 4107 S Capital of Texas Highway

**COUNCIL DISTRICT:** 5

**ENVIRONMENTAL REVIEW STAFF:** Leslie Lilly, Environmental Program Coordinator, (512)535-8914, Leslie.lilly@austintexas.gov

**WATERSHED:** Barton Creek Watershed/Barton Springs Zone

**REQUEST:** PUD zoning for the property

**STAFF RECOMMENDATION:** Staff recommended with conditions

**STAFF CONDITION:**

- A. Development associated with C814-2021-0099, located at 4107 S Capital of Texas Highway, shall comply with 25-8, Subchapter A, Article 13 (Save Our Springs Initiative) at the time of permit application except as modified below.
  - a. Section A of 25-8-514 (*Pollution Prevention Required*) shall be modified to allow a maximum impervious cover for the site of 56% net site area.
- B. Development associated with C814-2021-0099, located at 4107 S Capital of Texas Highway, shall comply with 25-8 Section A (*Water Quality*) at the time of permit application except as modified by the PUD ordinance.

- a. ECM 1.6.7.5 (D) shall be modified to allow captured runoff for beneficial reuse
  - b. 25-8-341 shall be modified to allow cut not to exceed a maximum of fourteen (14) feet.
  - c. 25-8-342 shall be modified to allow fill not to exceed a maximum of fourteen (14) feet.
  - d. 25-8-281 shall be modified to allow encroachment into CEFs as indicated on Exhibit F.
- C. Additionally, development associated with C814-2021-0099, located at 4107 S Capital of Texas Highway, shall comply with the following requirements
- a. Reduction in impervious cover from 84% NSA to 56% NSA
  - b. Bring the site into compliance with SOS water quality treatment requirements
  - c. Clustering impervious cover and disturbance 75'-250' away from Barton Creek Greenbelt
  - d. Restoring 2 acres of the tract to native vegetation
  - e. Provide 100% GSI for water quality controls.
  - f. Provide rainwater harvesting for landscape irrigation of not less than 50% of the landscaped area.
  - g. Provide superior tree protections.
  - h. Comply with Austin Green Building 3-star rating
  - i. Exceed landscaping requirements.
  - j. Provide superior open space and parkland dedication.



### ITEM FOR ENVIRONMENTAL COMMISSION AGENDA

<b>COMMITTEE MEETING DATE:</b>	November 2, 2022
<b>NAME &amp; NUMBER OF PROJECT:</b>	Brodie Oaks Redevelopment Site Specific SOS Amendment C814-2021-0099
<b>NAME OF APPLICANT OR ORGANIZATION:</b>	Armbrust & Brown (David Armbrust)
<b>LOCATION:</b>	4107 S Capital of Texas Highway
<b>COUNCIL DISTRICT:</b>	5
<b>ENVIRONMENTAL REVIEW STAFF:</b>	Leslie Lilly, Environmental Program Coordinator, (512)535-8914, Leslie.lilly@austintexas.gov
<b>WATERSHED:</b>	Barton Creek Watershed/Barton Springs Zone
<b>REQUEST:</b>	In response to Council Resolution 20221011-076, consider a site-specific amendment to City Code Chapter 25-8, Subchapter A, Article 13 (Save Our Springs Initiative), as minimally required to allow for limits to impervious cover as proposed in application C814-2021-0099 for the Brodie Oaks PUD development. The proposed site-specific amendment should be included as part of the discussion and consideration of the Brodie Oaks PUD development.
<b>STAFF RECOMMENDATION:</b>	Staff recommended with conditions
<b>STAFF CONDITION:</b>	<p>A. Development associated with C814-2021-0099, located at 4107 S Capital of Texas Highway, shall comply with 25-8, Subchapter A, Article 13 (Save Our Springs Initiative) at the time of permit application except as modified below.</p> <p style="padding-left: 40px;">a. Section A of 25-8-514 (<i>Pollution Prevention Required</i>) shall be modified to allow a maximum impervious cover for the site of 56% net site area.</p>

- B. Development associated with C814-2021-0099, located at 4107 S Capital of Texas Highway, shall comply with 25-8 Section A (*Water Quality*) at the time of permit application except as modified by the PUD ordinance.
- a. ECM 1.6.7.5 (D) shall be modified to allow captured runoff for beneficial reuse
  - b. 25-8-341 shall be modified to allow cut not to exceed a maximum of fourteen (14) feet.
  - c. 25-8-342 shall be modified to allow fill not to exceed a maximum of fourteen (14) feet.
  - d. 25-8-281 shall be modified to allow encroachment into CEFs as indicated on Exhibit F.
- C. Additionally, development associated with C814-2021-0099, located at 4107 S Capital of Texas Highway, shall comply with the following requirements
- a. Reduction in impervious cover from 84% NSA to 56% NSA
  - b. Bring the site into compliance with SOS water quality treatment requirements
  - c. Clustering impervious cover and disturbance 75'-250' away from Barton Creek Greenbelt
  - d. Restoring 2 acres of the tract to native vegetation
  - e. Provide 100% GSI for water quality controls.
  - f. Provide rainwater harvesting for landscape irrigation of not less than 50% of the landscaped area.
  - g. Provide superior tree protections.
  - h. Comply with Austin Green Building 3-star rating
  - i. Exceed landscaping requirements.
  - j. Provide superior open space and parkland dedication.



# **Brodie Oaks Redevelopment PUD**

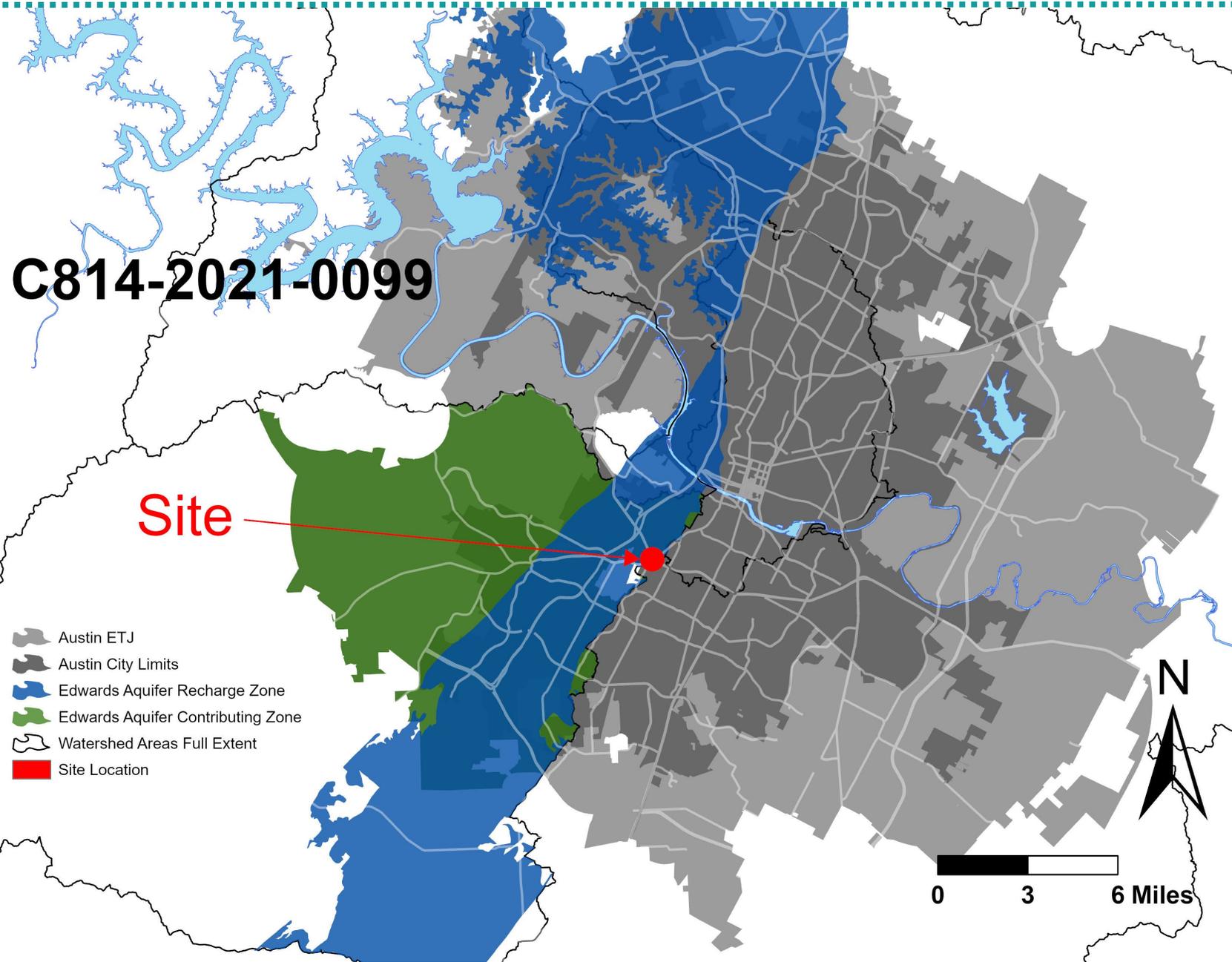
## **4107 S Capital of Texas Highway**

**C814-2021-0099**

Leslie Lilly

Environmental Program Coordinator

Watershed Protection





# Site Background

- Proposed new PUD
- Part of original 128-acre Barton Creek Plaza Development
- Current site - 37.6 acres
- Full Purpose Jurisdiction
- Activity Center for Redevelopment in Sensitive Environmental Areas in Imagine Austin Vision Plan
- Council District 5



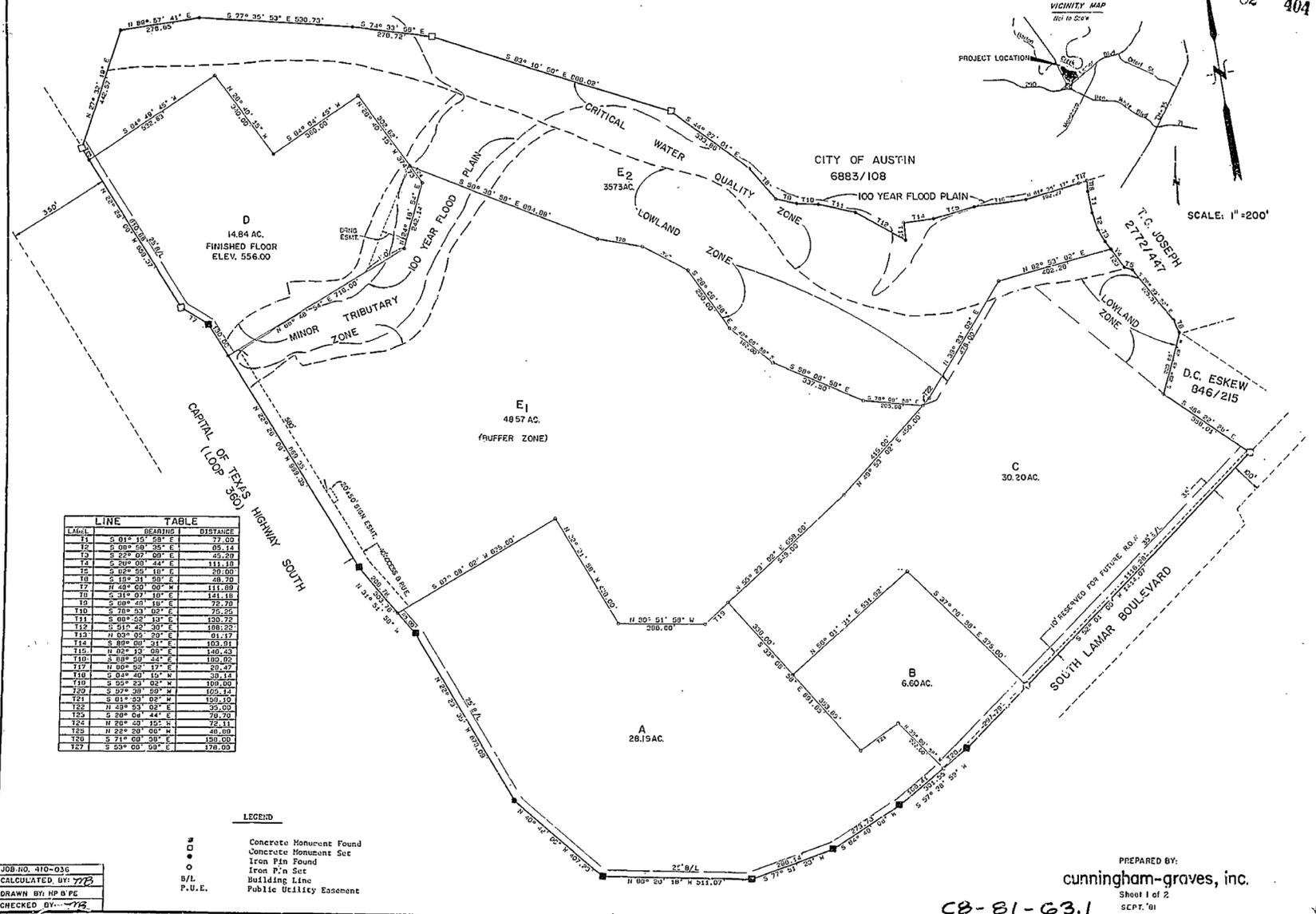


Dec -23-81 RCCHB 1782 # 40.00



Vol. 81 Page 369  
PLAT RECORD, TRAVIS COUNTY, TEXAS

# BARTON CREEK PLAZA



LINE	BEARING	DISTANCE
L1	S 01° 15' 28" E	77.00
L2	S 06° 59' 25" E	65.14
L3	S 22° 07' 00" E	45.20
L4	S 20° 00' 44" E	111.11
L5	S 04° 59' 18" E	30.00
L6	S 15° 31' 58" E	48.20
L7	N 43° 00' 00" W	111.00
L8	S 31° 07' 10" E	141.18
L9	S 48° 41' 18" E	72.20
L10	S 70° 50' 02" E	75.25
L11	S 60° 52' 13" E	138.72
L12	S 51° 42' 30" E	188.22
L13	N 03° 05' 29" E	91.17
L14	S 89° 00' 31" E	103.91
L15	N 02° 23' 58" E	140.43
L16	S 88° 59' 24" E	159.02
L17	N 06° 50' 17" E	20.47
L18	S 04° 40' 15" W	38.14
L19	S 55° 23' 02" W	109.00
L20	S 07° 38' 59" W	105.10
L21	S 01° 20' 02" W	159.10
L22	N 49° 53' 02" E	55.00
L23	S 28° 04' 14" E	79.20
L24	N 28° 25' 15" E	75.11
L25	N 22° 28' 08" W	48.89
L26	S 71° 08' 39" E	150.00
L27	S 53° 00' 59" E	178.00

**LEGEND**

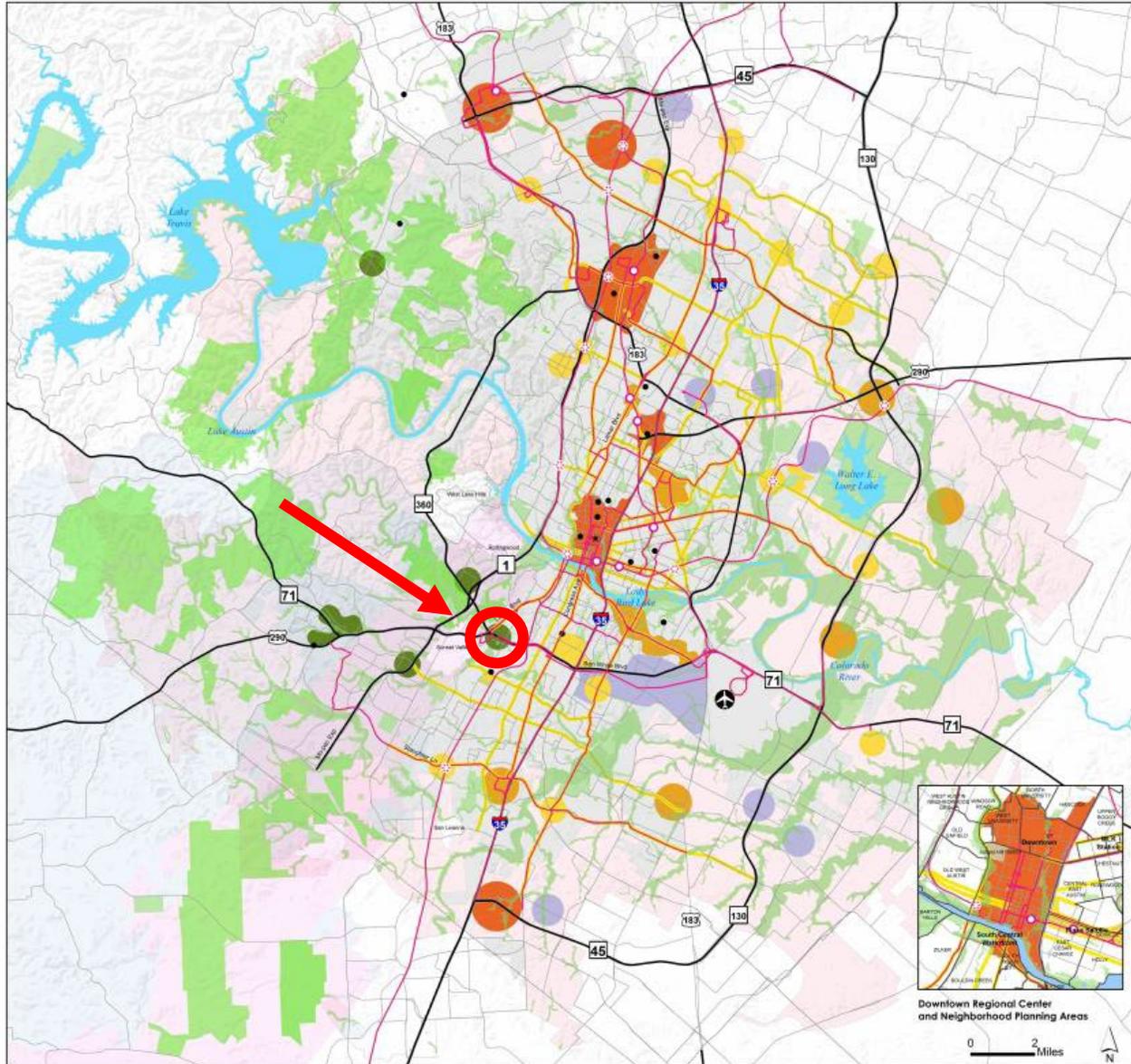
- Concrete Monument Found
- Concrete Monument Set
- Iron Pin Found
- Iron Pin Set
- Building Line
- P.U.E. Public Utility Easement

JOB NO. 410-036  
 CALCULATED BY: YZB  
 DRAWN BY: HP & PC  
 CHECKED BY: YZB

PREPARED BY:  
 cunningham-graves, inc.  
 Sheet 1 of 2  
 SEPT. '81

CB-81-63.1

Restn. see Vol. 7648 DS. 49 #275 4842



0 2 Miles

# IMAGINEAUSTON

Vibrant. Livable. Connected.

## Growth Concept Map

### Legend

- Regional Center
  - Town Center
  - Neighborhood Center
  - Activity Corridor
  - Activity Centers for Redevelopment in Sensitive Environmental Areas
  - Job Center
  - Current Open Space
  - Future Open Space
  - Barton Springs Contributing Zone
  - Barton Springs Recharge Zone
  - College/University
- Transportation**
- High Capacity Transit Stop
  - Proposed High Capacity Transit Stop
  - High Capacity Transit
  - Highway
  - Other Streets
- Boundaries**
- City Limits
  - ETJ
  - County Boundaries

The Growth Concept Map applies the Imagine Austin vision statement to the city's physical development. Generated through a public scenario-building process, it defines how we plan to accommodate new residents, jobs, mixed use areas, open space, and transportation infrastructure over the next 30 years.

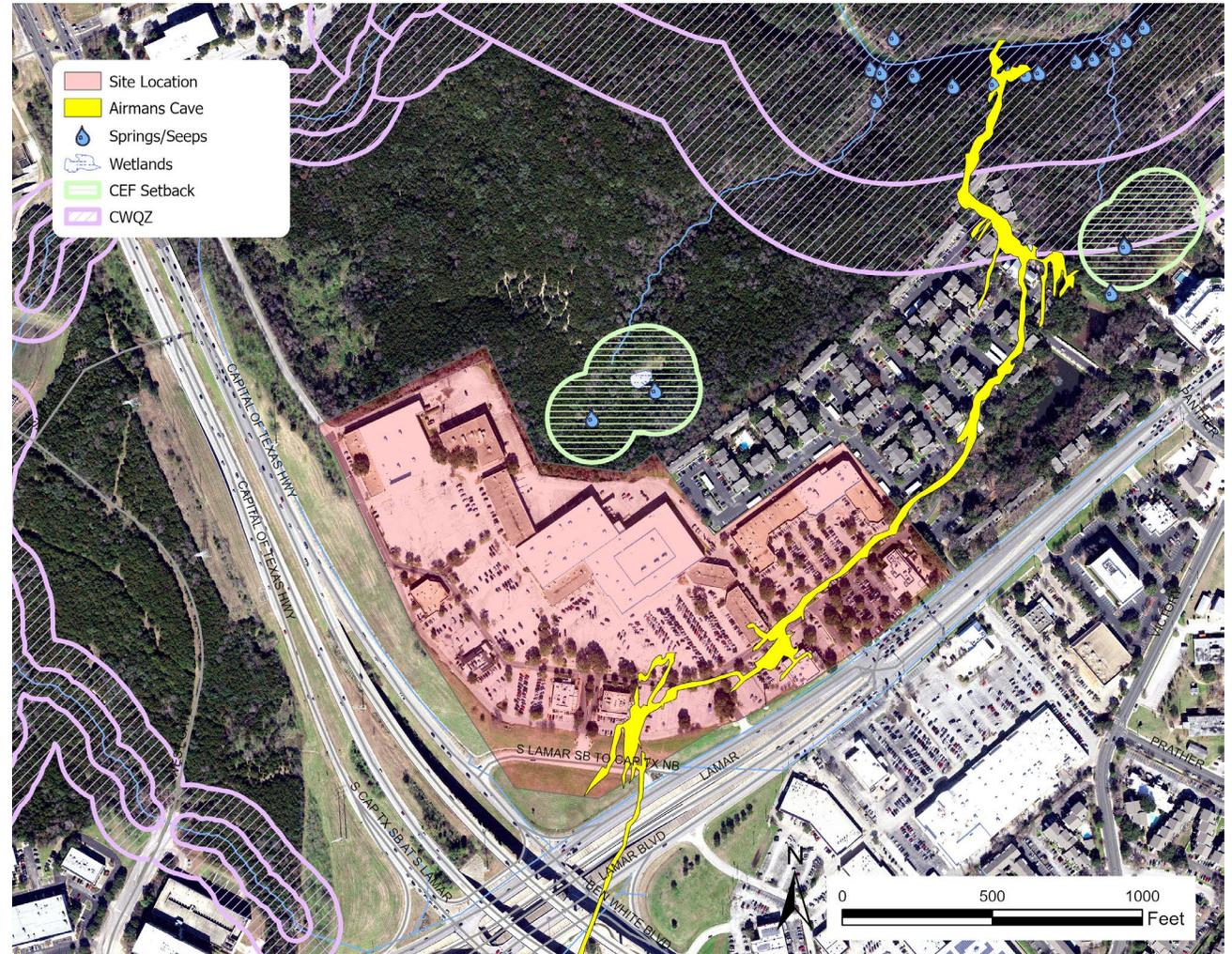
Map Disclaimers: A comprehensive plan shall not constitute zoning regulations or establish zoning district boundaries. This product is for informational purposes and may not have been prepared for or be suitable for legal, engineering, or surveying purposes. It does not represent an on-the-ground survey and represents only the approximate relative location of property boundaries. This product has been produced by the Planning and Zoning Department for the sole purpose of geographic reference. No warranty is made by the City of Austin regarding specific accuracy or completeness.

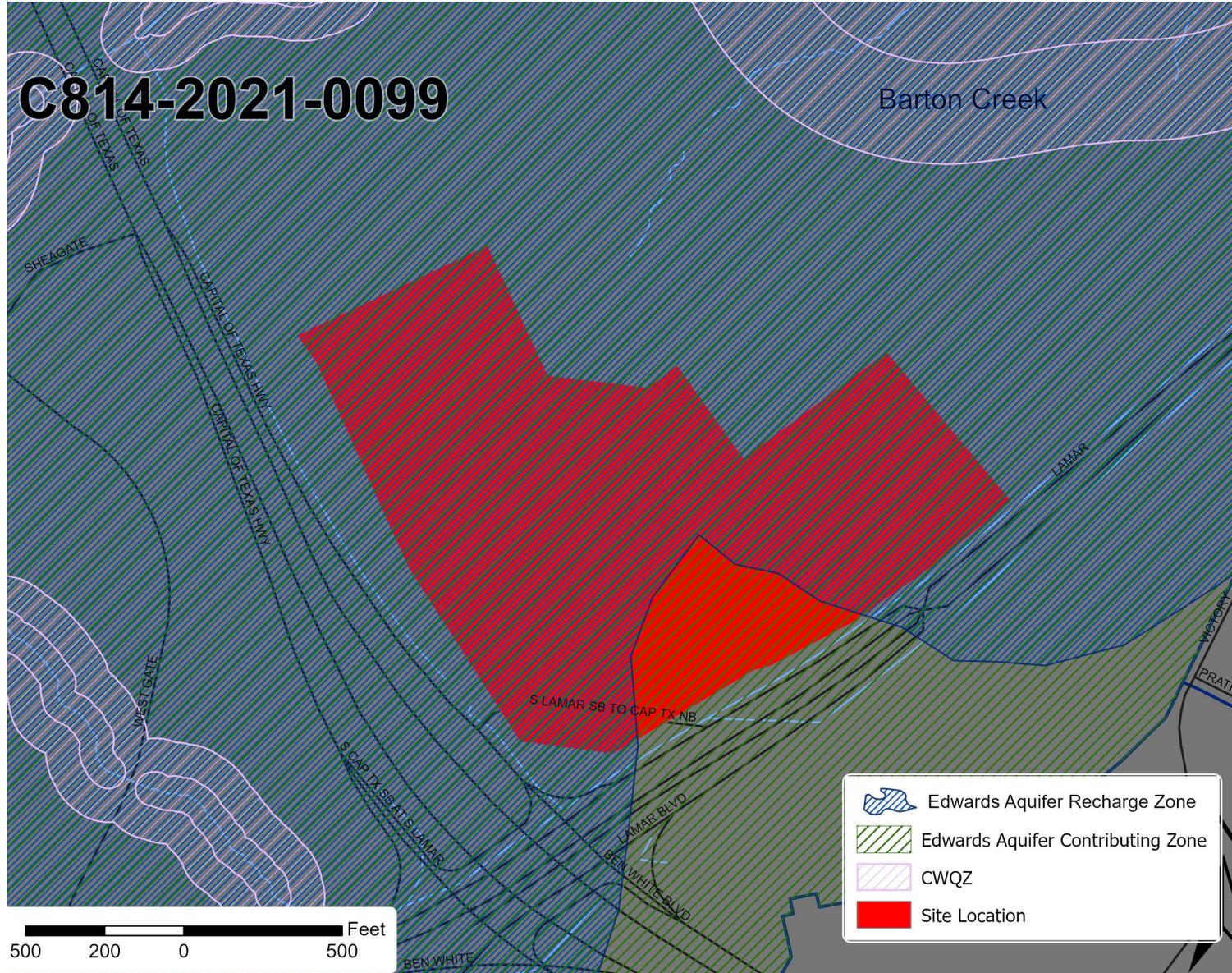
Adopted June 15, 2012



# Environmental Features

- Barton Springs Watershed
- Barton Springs Zone
- Edward Aquifer Recharge and Contributing Zone
- 84% Impervious Cover
- Brodie Oaks Seep/Spring CEFs
- Airman’s Cave
- Non-compliant with SOS water quality requirements







# Land Use Plan

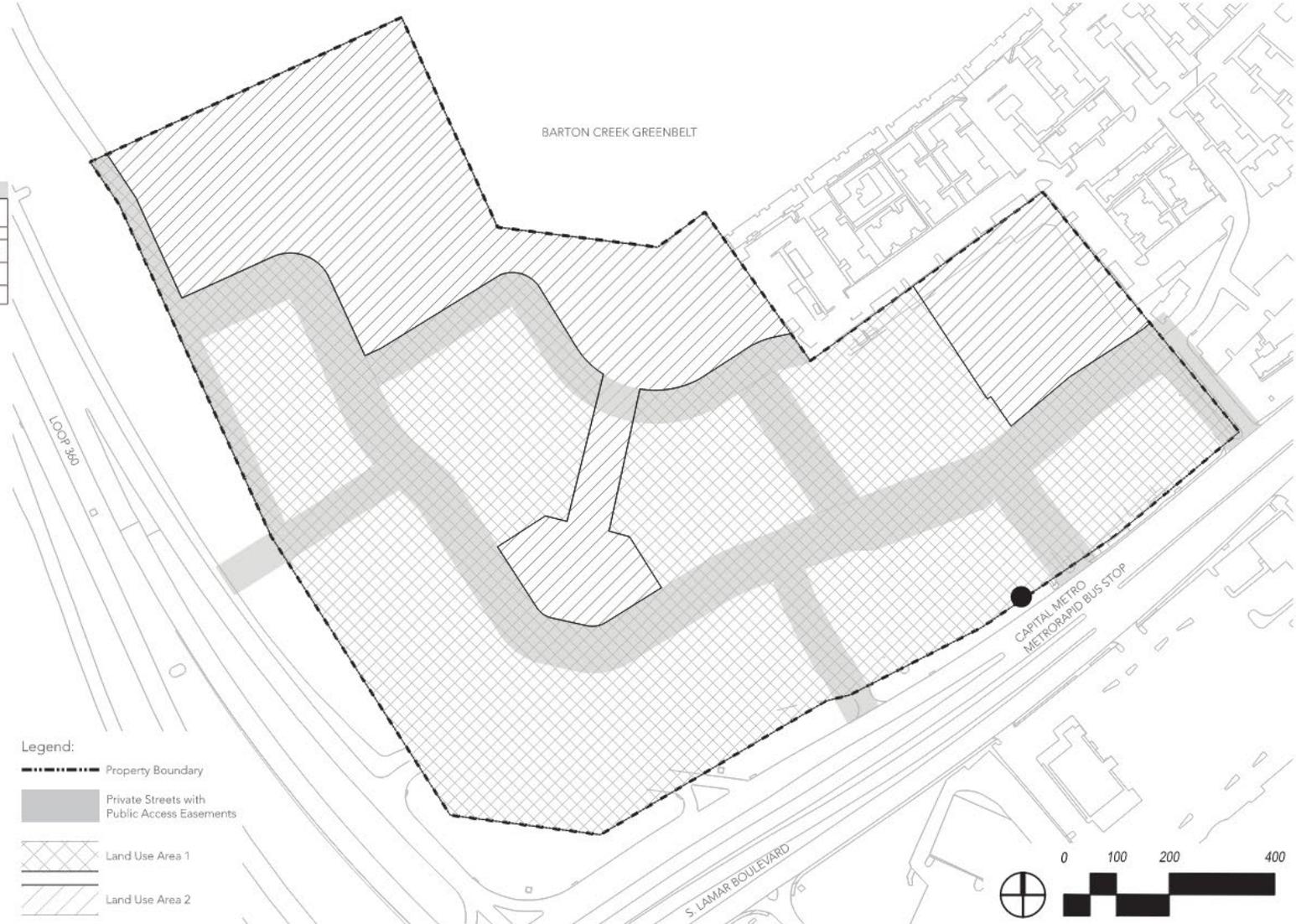


SITE METRICS	
Total Site Area	37.6 Acres / 1,637,856 Sq. Ft.
Proposed Impervious Cover	56% NSA; 54% GSA
Minimum Lot Size	5,750 Sq. Ft.
Minimum Lot Width	50 feet
Minimum Setbacks	
Front	0 feet
Street Side Yard	0 feet
Interior Side Yard	0 feet
Rear Yard	0 feet

LAND USE AREA METRICS								
	Acres	Building Cover		Non-Residential Max. Sq. Ft.	Maximum Hotel		Maximum Residential	
		Max.	Max. %		Keys	Sq. Ft.	Units	Sq. Ft.
Land Use Area 1	25.9	95%	95%	1,400,000	200	200,000	1,700	1,500,000
Land Use Area 2	11.7	5%	7.5%	5,000	--	--	--	--
Site Total	37.6		56%					

\*Maximum impervious cover is based on Net Site Area (NSA) and will be tracked by site plan in compliance with Exhibit H - Brodie Oaks Redevelopment Phasing Plan. Impervious Cover will be higher on a site-by-site basis.

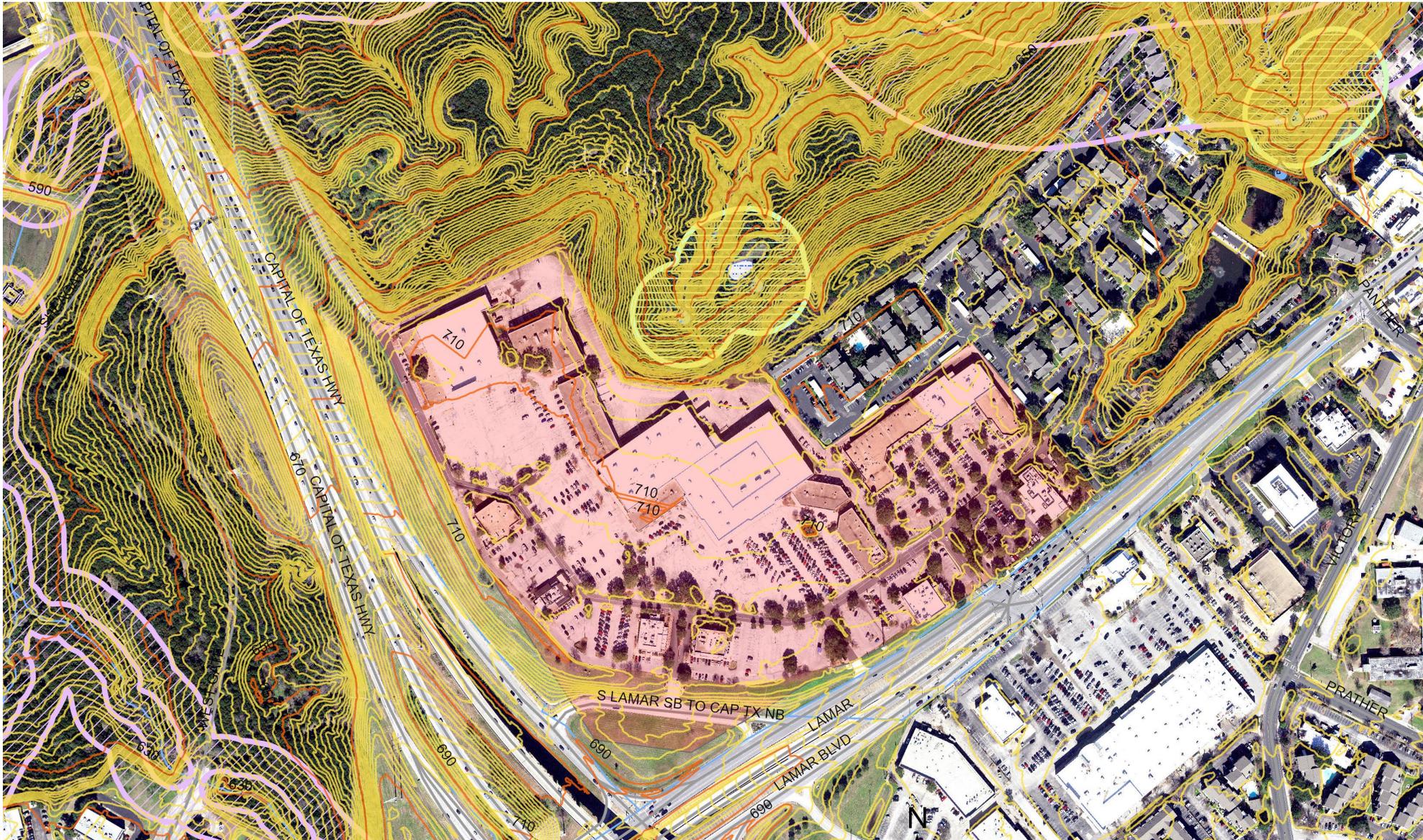
Maximum floor-to-area ratio is not applicable to the Brodie Oaks Redevelopment.





# Proposed Environmental Code Modifications

- **25-8-341 (Cut Requirements)** shall be modified to allow cut not to exceed a maximum of fourteen (14) feet as indicated on Exhibit G.
- **25-8-342 (Fill Requirements)** shall be modified to allow fill not to exceed a maximum of fourteen (14) feet as indicated on Exhibit G.
- **25-8-281 (Critical Environmental Features)** shall be modified to allow encroachment into CEFs as indicated on Exhibit F.
- **SOS Ordinance Section A of 25-8-514 (Pollution Prevention Required)** shall be modified to allow a maximum impervious cover for the site of 56% net site area.





# Exhibit G: Grading Plan



## Notes

- 1. Brodie has committed to a tree health and maintenance plan for all preserved or relocated trees.

TREE TABLE	TOTAL	PRESERVED IN PLACE	RELOCATED	REMOVED TREES (ADJUSTED*)	ADJUSTED* TOTAL	PRESERVED** (%)
Heritage (24" and up)	25	19	6	0	25	100%
Protected (19"- 23"11")	43	23	10	9	42	79%
Regulated (8"- 18"11")	171	101	4	31	136	77%

\* The Arborist Report submitted with the PUD application indicates which trees are not suitable for preservation. These trees have been removed from the adjusted numbers in this chart.  
\*\* The percent preserved utilizes the adjusted total.

TREE #	TYPE	SIZE	TREE #	TYPE	SIZE	TREE #	TYPE	SIZE	TREE #	TYPE	SIZE
150	LO	20	15820	LO	7.5	15882	LO	15	15915	LO	11.5
15233	LO	23.5	15821	LO	20	15883	LO	19.8	15916	LO	12
15234	LO	25	15822	LO	20	15884	LO	15.5	15917	LO	18.5
15235	LO	19	15823	LO	23	15885	LO	17	15918	LO	10
15236	LO	18	15824	LO	18	15886	LO	13.5	15919	LO	7
15237	LO	15	15825	LO	26.3	15887	LO	15.8	15920	LO	10
15238	LO	20	15826	LO	18.5	15888	LO	22.1	15921	LO	15
15239	LO	23.7	15827	LO	20.5	15889	LO	17	15922	LO	12
15240	LO	24.2	15828	LO	7	15890	LO	21.5	15923	LO	7.5
15241	LO	11	15829	LO	15	15891	LO	15.5	15924	LO	5
15242	LO	8' Pear	15830	LO	11.4	15892	LO	19	15925	LO	10
15243	LO	17	15831	LO	11	15893	LO	11.5	15926	LO	7
15244	LO	17	15832	LO	13	15894	LO	17.9	15927	LO	10.5
15701	LO	13	15833	LO	20	15895	LO	16	15928	LO	12
15702	LO	12	15834	LO	20.5	15896	LO	16	15929	LO	13.5
15703	LO	13	15835	LO	12.7	15897	LO	19	15930	LO	16
15704	LO	13	15836	LO	18.5	15898	LO	16	15931	LO	7
15705	LO	15	15837	LO	12.7	15899	LO	21	15932	LO	10
15706	LO	15	15838	LO	13.6	15900	LO	29.4	15933	LO	17.5
15707	LO	15	15839	LO	23.1	15901	LO	10	15934	LO	20
15708	LO	15	15840	LO	11.9	15902	LO	0.5	15935	LO	20
15709	LO	18	15841	LO	7.8	15903	LO	7.8	15936	LO	11
15710	LO	15	15842	LO	21	15904	LO	13.5	15937	LO	8
15711	LO	16	15843	LO	12.8	15905	LO	14.5	15938	LO	13
15712	LO	18	15844	LO	22.8	15906	LO	10.8	15939	LO	11
15713	LO	11	15845	LO	13.8	15907	LO	15.9	15940	LO	7
15714	LO	13	15846	LO	12.4	15908	LO	12.8	15941	LO	12
15715	LO	13	15847	LO	13	15909	LO	12.8	15942	LO	12
15716	LO	12	15848	LO	23.7	15910	LO	19	15943	LO	7
15717	LO	13	15849	LO	17.8	15911	LO	7	15944	LO	7
15718	LO	13	15850	LO	23.9	15912	LO	19	15945	LO	5
15719	LO	10.5	15851	LO	11.7	15913	LO	11	15946	LO	18
15720	LO	13	15852	LO	12.7	15914	LO	7	15947	LO	18
15721	LO	15	15853	LO	16	15915	LO	12.4	15948	LO	14
15722	LO	16	15854	LO	16	15916	LO	12	15949	LO	14
15723	LO	18	15855	LO	18	15917	LO	12	15950	LO	12
15724	LO	18	15856	LO	13	15918	LO	12.5	15951	LO	19
15725	LO	13	15857	LO	11	15919	LO	11	15952	LO	14
15726	LO	13	15858	LO	11	15920	LO	11	15953	LO	14
15727	LO	10.5	15859	LO	13	15921	LO	11	15954	LO	14
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15729	LO	14.5	15861	LO	17	15923	LO	16	15956	LO	14
15730	LO	20.4	15862	LO	10	15924	LO	12	15957	LO	14
15731	LO	20.4	15863	LO	19	15925	LO	12	15958	LO	14
15732	LO	15.4	15864	LO	27.2	15926	LO	8	15959	LO	18
15733	LO	11.7	15865	LO	25.3	15927	LO	12	15960	LO	12
15734	LO	16	15866	LO	13	15928	LO	10	15961	LO	12
15735	LO	19.8	15867	LO	19.5	15929	LO	11	15962	LO	10.5
15736	LO	15.6	15868	LO	12.7	15930	LO	10	15963	LO	10.5
15737	LO	21	15869	LO	22.3	15931	LO	7	15964	LO	12.5
15738	LO	21	15870	LO	23	15932	LO	7	15965	LO	12.5
15739	LO	18.7	15871	LO	23	15933	LO	7	15966	LO	10.5
15740	LO	20.5	15872	LO	25.7	15934	LO	21	15967	LO	14
15741	LO	18.7	15873	LO	16	15935	LO	13	15968	LO	13.5
15742	LO	18.7	15874	LO	16	15936	LO	7	15969	LO	10
15743	LO	18.7	15875	LO	16	15937	LO	15	15970	LO	24.5
15744	LO	13.5	15876	LO	14	15938	LO	13	15971	LO	15
15745	LO	22.7	15877	LO	11.4	15939	LO	11.4	15972	LO	22
15746	LO	17	15878	LO	23	15940	LO	13	15973	LO	13
15747	LO	17	15879	LO	23	15941	LO	13	15974	LO	13
15748	LO	20.8	15880	LO	20	15942	LO	13	15975	LO	13
15749	LO	8.7	15881	LO	21	15943	LO	15	15976	LO	15
15750	LO	8.5	15882	LO	17	15944	LO	16.5	15977	LO	15

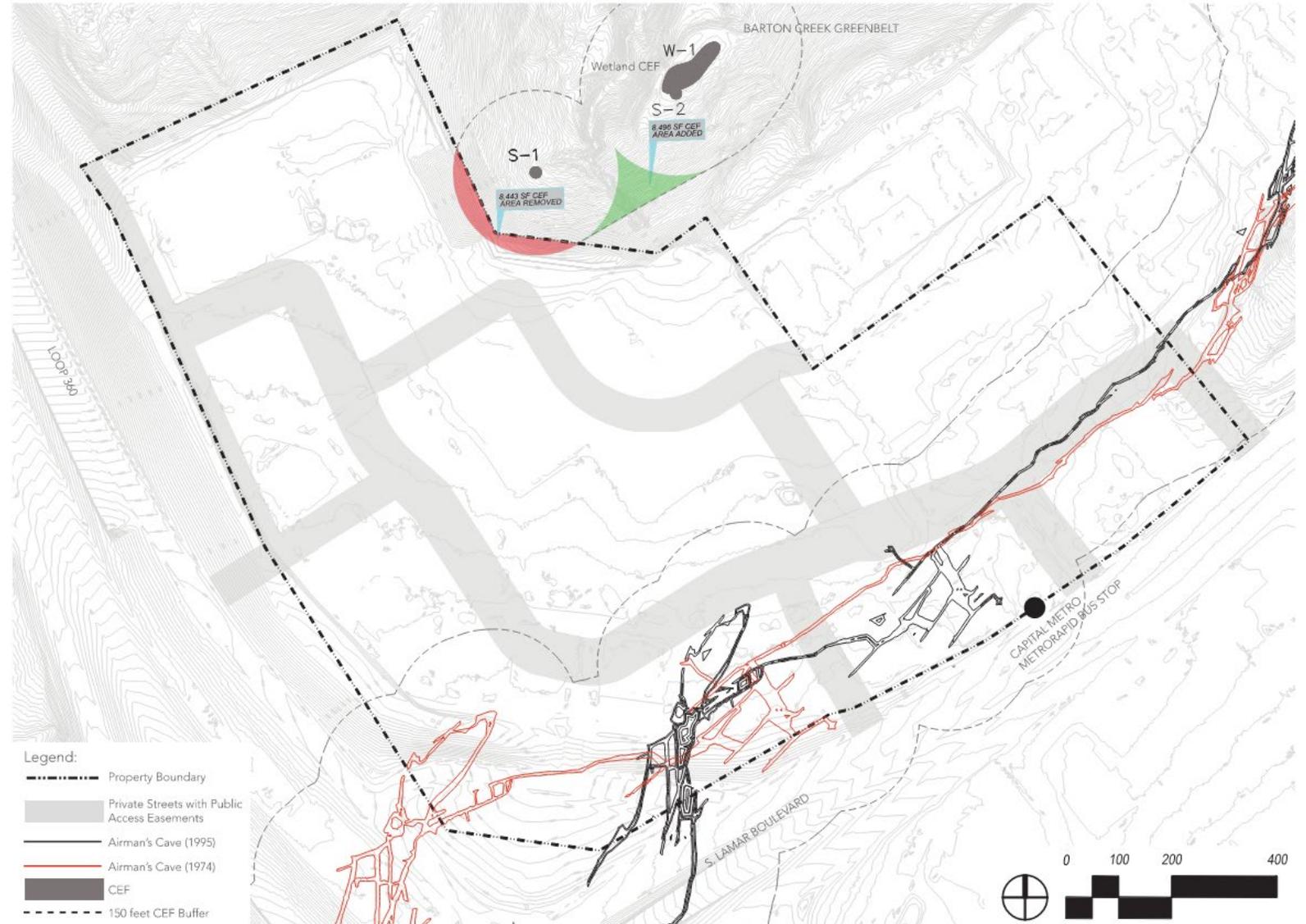


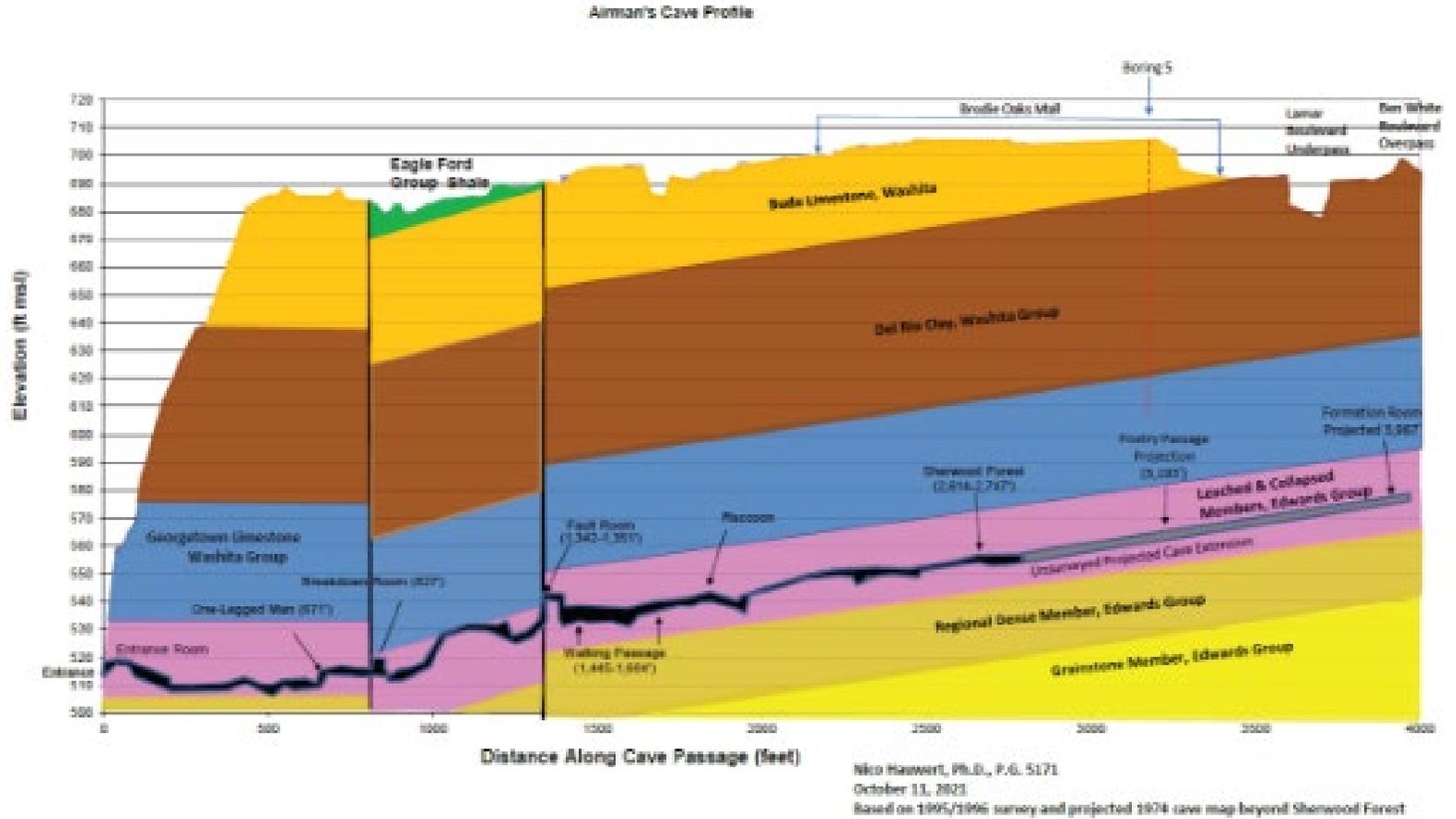
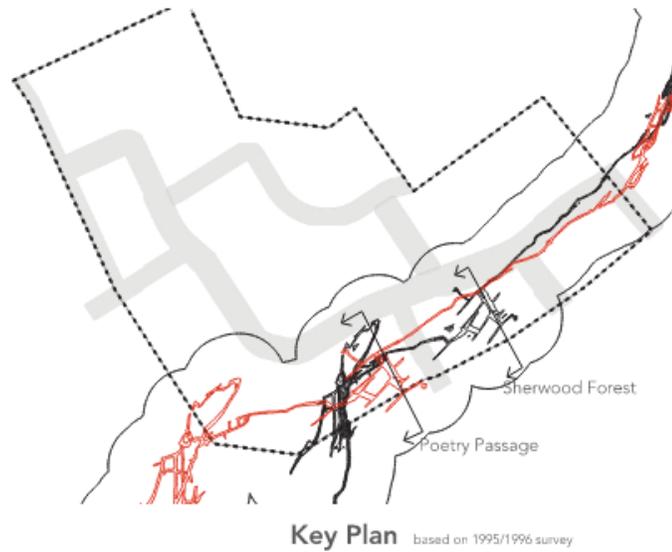


# Exhibit F: Environment



1. Modify CEF setback for S-1/S-2
2. Impact to Airman's Cave CEF setback is limited of up to 80' with conditions
3. Protective fencing for CEFs





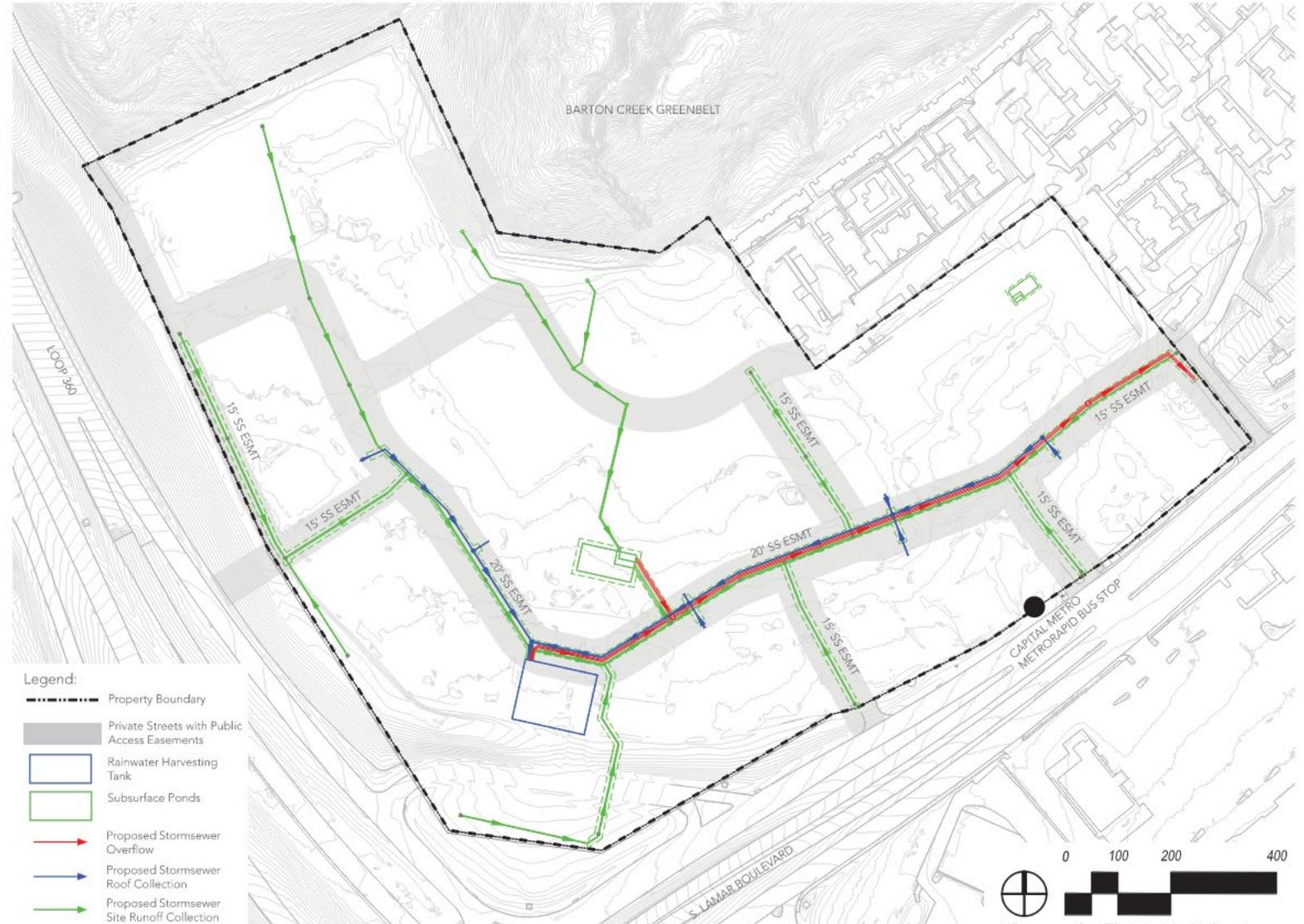
Lateral Section of the Airman's cave



# Exhibit F: Water Quality



1. Brodie PUD with comply with SOS with subgrade ponds for retention/reirrigation system and rainwater harvesting with beneficial reuse
2. Infiltration testing
3. Trenching > 5' will be inspected by geologist





# Proposed Environmental Superiority

- Clustering impervious cover 75-250' away from Barton Creek Greenbelt
- Restoring 2 acres of the tract to native vegetation
- Provide 100% Green Stormwater Infrastructure for water quality controls that meet SOS non-degradation pollutant removal.
- Provides rainwater harvesting for landscape irrigation of not less than 50% of the landscaped area.
- Provides superior tree protections.
- Exceed landscaping requirements.
- Provide superior open space and parkland dedication
- Complies with Austin Green Building 3-star rating



# Additional Environmental Elements

- Reducing impervious cover from 84% NAS to 56% NSA (36% decrease)
- Rainwater will be used to offset potable water demands for irrigation and cooling tower makeup water (in accordance with 25-8-151 (Innovative Management Practices))
- Remove retaining walls from greenbelt edge and restore more natural grade
- LEED Neighborhood Development certification
- U.S. Green Building Council SITES certification



# Exhibit F: Open Space

Name	Total Acres	Open Space	Restored Landscape	Dedicated Parkland	Credited Acres*
Trailhead Overlook Park	8.1	Yes	Yes (2 acres)	Yes	6.7
Central Green	1.3	Yes		Yes	1.3
Neighborhood Park	2.2	Yes		Yes	1.9
<b>Total</b>	<b>11.6</b>	<b>11.6</b>	<b>2.0</b>	<b>11.6</b>	<b>9.9</b>
<b>% of Site (37.6 acres)</b>	<b>30.8%</b>	<b>30.8%</b>	<b>5.3%</b>	<b>30.8%</b>	<b>26.3%</b>

## PARKLAND CREDIT CALCULATIONS

Name	Total Acres	Unencumbered	Water Quality System and Easements*	Slopes > 10%	Ponds	Floodplain; CWOQZ; CEF	Total Encumbered Credited Acres (Minimum)
Trailhead Overlook Park	8.1	1.0	5.5	1.4	2	0	7.1
Central Green	1.3	.7	.6	0	0	0	.6
Neighborhood Park	2.2	1.8	.4	0	0	0	.5
<b>Total</b>	<b>11.6</b>	<b>3.5</b>	<b>3.3*</b>	<b>.7</b>	<b>2</b>	<b>0</b>	<b>8.1</b>
<b>% Credited</b>	<b>100%</b>	<b>50%</b>	<b>50%</b>	<b>50%</b>	<b>50%</b>		<b>7.6</b>

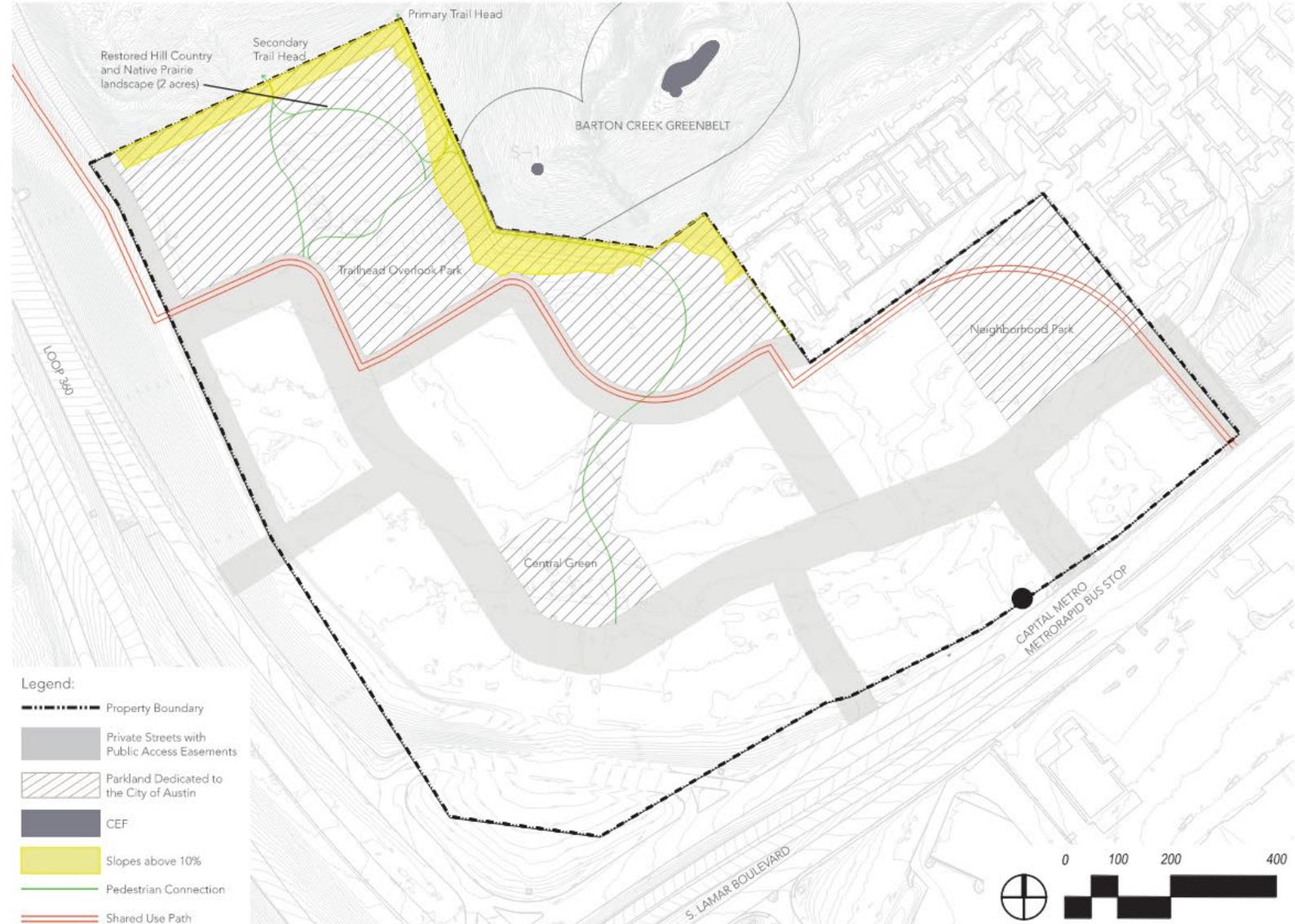
The size and location of easements associated with the SOS water quality system including sub-surface ponds and reirrigation areas will be determined at the time of dedication and after execution of the parkland maintenance agreement. Easement areas represented in the parkland credit calculation table represent the maximum amount of acres needed and include accommodation for an additional 2.5 acres of reirrigation area over the anticipated 3 acres in the event that watershed protection department requires additional water quality easements during extreme storm frequencies. Unlike the standard retention/irrigation system mentioned above where reirrigation occurs after every rain event, this system would only be used after extreme events. In comparison, the standard retention/irrigation system would irrigate after every rain event, whereas the rainwater system would only irrigate 0-2 times/year.

Re-irrigation areas will be designed as restored habitat with trails or will be designed to allow for some recreation. Subsurface ponds will allow full use on the surface and may be credited up to 100%. Exact credit assigned to dedicated parkland must generally comply with the Standards for Dedicated Parkland and the Parkland Dedication Operating Procedures, as amended at any time will they be credited at less than 50%.

## Notes

Parkland must generally comply with the Standards for Dedicated Parkland and the Parkland Dedication Operating Procedures, as amended.

Any surface pond or wetland area will be designed as an amenity in accordance with the Parkland Dedication Operating Procedures, as amended





# AEGB 3 Star Rating



## Austin Energy Green Building Commercial Rating: Introduction

### 2022 Requirements

- Bicycle parking and supporting facilities
- Electric vehicle charging
- Energy performance
- Dual plumbing to reduce potable demand

Table I1: AEGB Measure ID

Category	
BR	Basic Requirement
ID	Integrated Design
ST	Site and Transportation
E	Energy
W	Water
IEQ	Indoor Environment Quality
MR	Materials and Resources
EE	Equity and Education
P	Priority
Point Type	
(none)	Core
L	Local Priority
T	Typology Priority
EL	Elective
IP	Innovative Performance
EP	Exemplary Performance
EQ	Equitable Performance
Number	
A sequential numbering of measures is used. In EP or EQ points, the number corresponds to the base measure.	

All AEGB rated projects must fulfill the Basic Requirements. Projects that achieve points for voluntary measures may attain a higher Star Rating at the point thresholds described in Table I2:

Table I2: AEGB Commercial Rating Star Level Point Thresholds

AEGB Commercial Rating	Star Levels
1 Star	Basic Requirements
2 Stars	35-44 points
3 Stars	45-54 points
4 Stars	55-74 points
5 Stars	75 points or more



# Recommendation

## Staff recommends approval of the PUD with the following conditions

- Reduce impervious cover from 84% NSA to 56% NSA
- Cluster impervious cover 75-250' away from Barton Creek
- Restore 2 acres of the tract to native vegetation
- Provide 100% Green Stormwater Infrastructure for water quality controls that meet SOS non-degradation pollutant removal.
- Provide rainwater harvesting for landscape irrigation of not less than 50% of the landscaped area.
- Provide superior tree protections.
- Exceed landscaping requirements.
- Complies with Austin Green Building 3-star rating
- Provide superior open space and parkland dedication
- LEED Neighborhood Development certification
- U.S. Green Building Council SITES certification



# **Brodie Oaks Redevelopment SOS Site-Specific Amendment 4107 S Capital of Texas Highway**

## **C814-2021-0099**

Leslie Lilly

Environmental Program Coordinator

Watershed Protection



# What is an SOS Site-Specific Amendment

- **1992 Save Our Springs ordinance adopted by citizen initiative**
- **Per 25-8-515, variances to SOS are not allowed, prohibiting modification by PUD ordinance**
- **25-8-26 Redevelopment Exception in the BSZ deemed not appropriate**
- **Only applies to the Brodie Oaks Redevelopment PUD project**
- **Supermajority of Council must approve amendments to SOS**
- **Council Resolution 20221011-076 on October 13, 2022:**
- **“ The City Manager is directed to initiate site specific variances .....**



# Other SOS Site-Specific Amendments

A Site-Specific SOS Amendment for the Eliza Spring Outlet Daylighting Project  
April 19, 2016



(c) 2011 J. Hayley Gillespie



2013 Tom Devitt



Dr. Donelle Robinson, Environmental Scientist

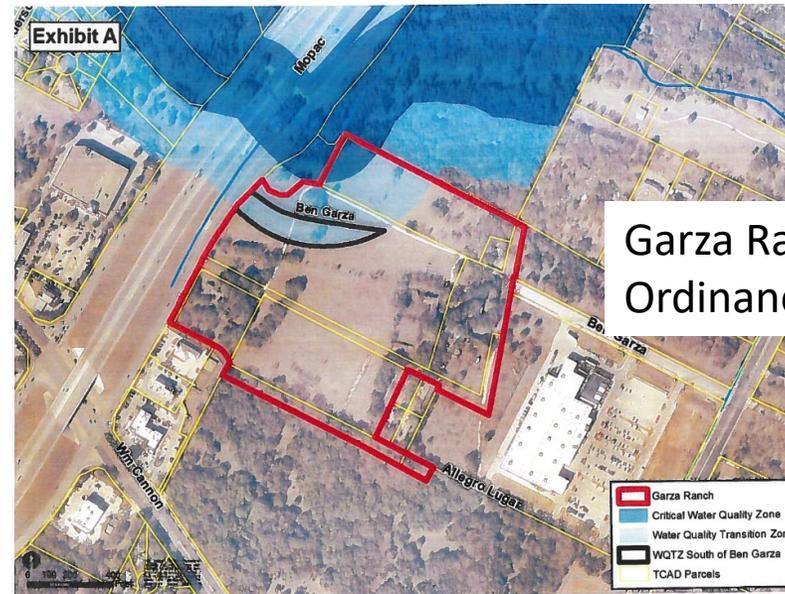


## 10111 Dobbin Drive

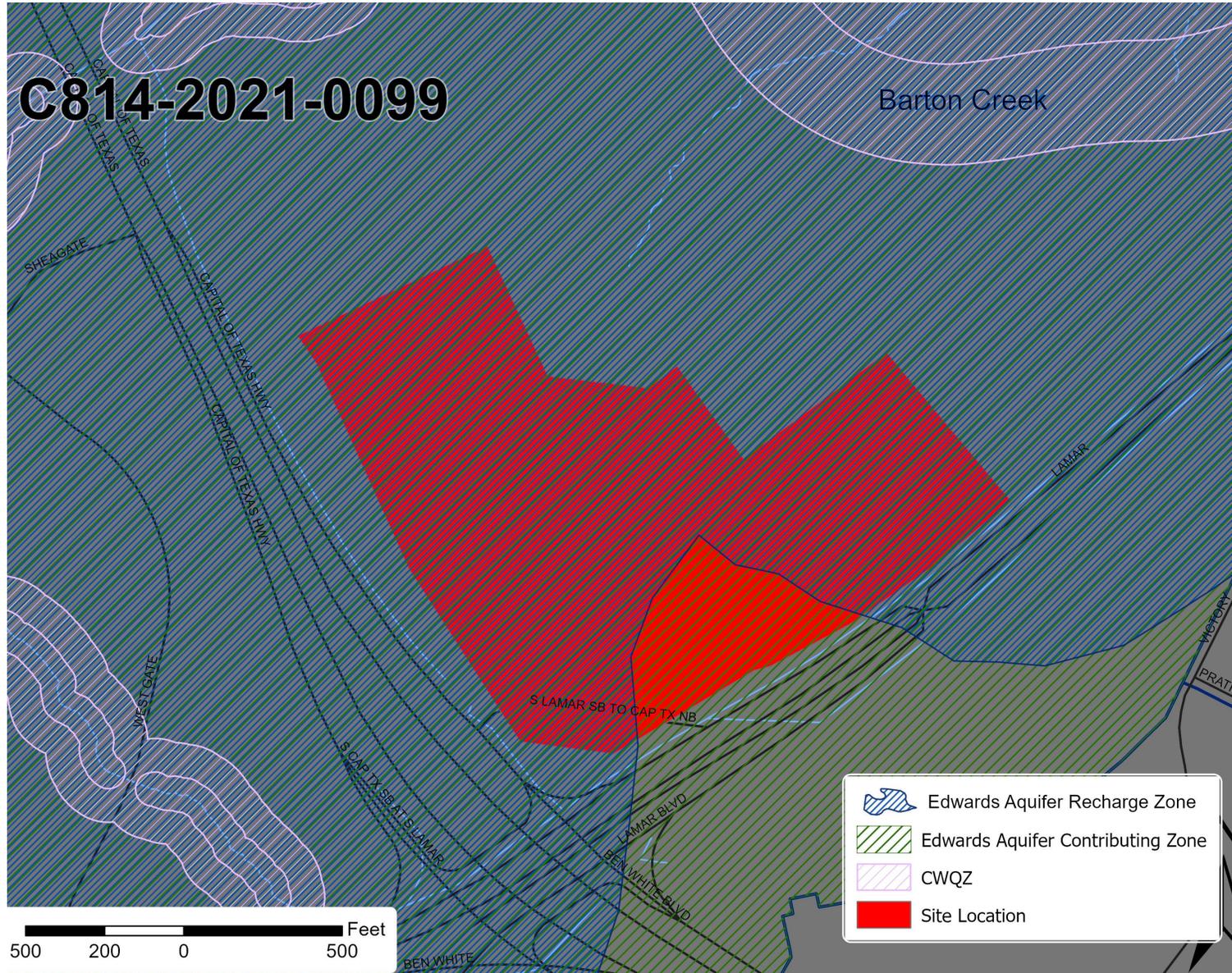
### RESOLUTION NO. 20190207-030

**WHEREAS**, the Save Our Springs Initiative regulations (Land Development Code Chapter 25-8, Subchapter A, Article 13 “SOS”) are vital to protecting the Hill Country’s rich network of aquifers and to Austin’s long-term water management plan; and

**WHEREAS**, alongside the City’s vitally important commitment to SOS and longstanding tradition of environmental stewardship, there is also a need for



Garza Ranch  
Ordinance No. 20130926-051





# SOS Requirements



## 25-8-514 Pollution Prevention Required

- Impervious cover in the Edwards Aquifer Recharge Zone is 15% NSA, 20% NSA in the Contributing Zone
- Water Quality Controls required for runoff from all impervious cover to meet undeveloped conditions.



# Brodie Oaks SOS Site-Specific Amendment

- **Section A of 25-8-514 (Pollution Prevention Required)** shall be modified to allow a maximum impervious cover for the site of 56% net site area.

## Brodie PUD Ordinance

- 25-8-341 shall be modified to allow cut not to exceed a maximum of fourteen (14) feet as indicated on Exhibit G.
- 25-8-342 shall be modified to allow fill not to exceed a maximum of fourteen (14) feet as indicated on Exhibit G.
- 25-8-281 shall be modified to allow encroachment into CEFs as indicated on Exhibit F.



# Land Use Plan

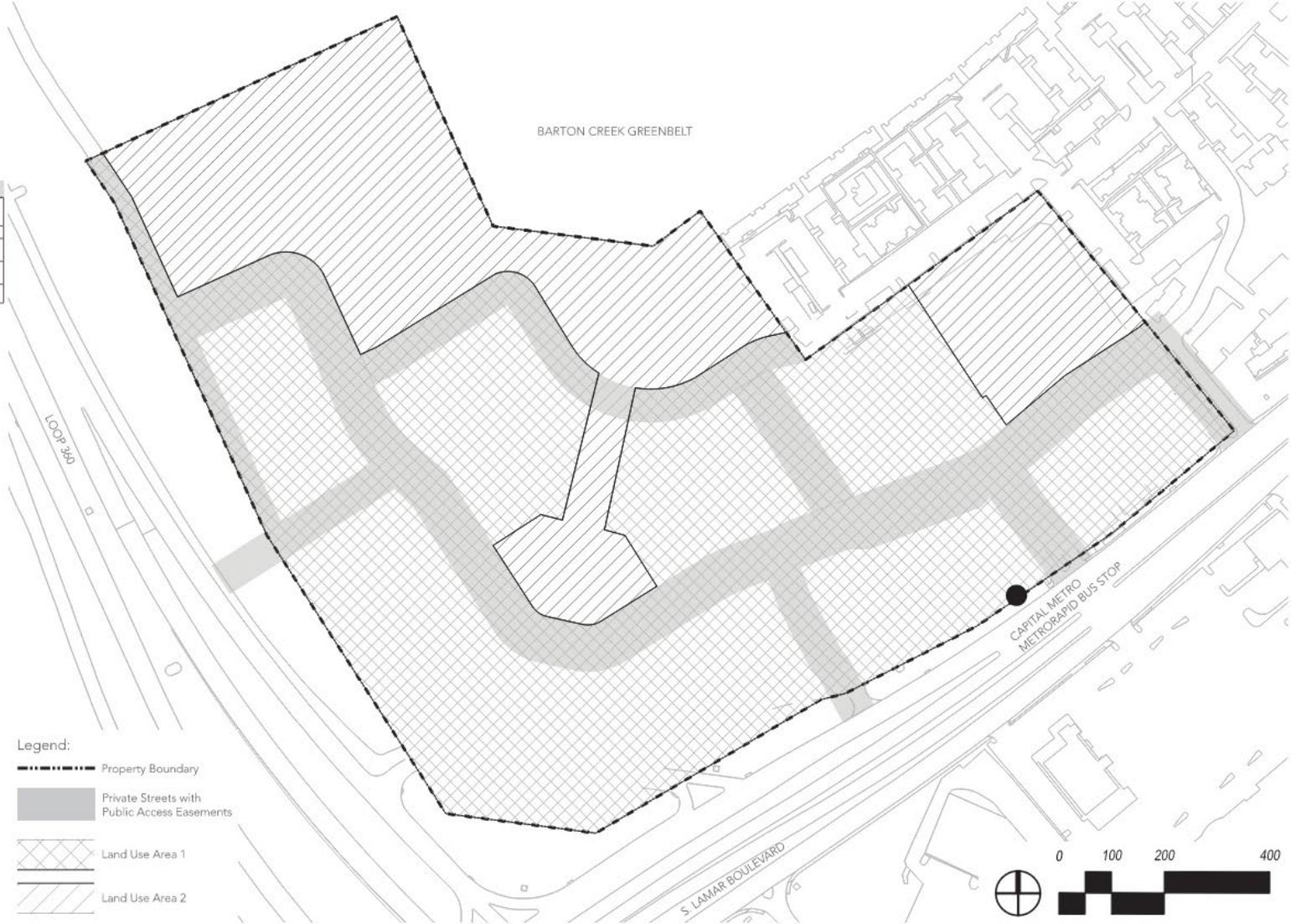


SITE METRICS	
Total Site Area	37.6 Acres / 1,637,856 Sq. Ft.
Proposed Impervious Cover	56% NSA; 54% GSA
Minimum Lot Size	5,750 Sq. Ft.
Minimum Lot Width	50 feet
Minimum Setbacks	
Front	0 feet
Street Side Yard	0 feet
Interior Side Yard	0 feet
Rear Yard	0 feet

LAND USE AREA METRICS								
	Acres	Building Cover		Non-Residential Max Sq. Ft.	Maximum Hotel		Maximum Residential	
		Max.	Max. %		Keys	Sq. Ft.	Units	Sq. Ft.
Land Use Area 1	25.9	95%	95%	1,400,000	200	200,000	1,700	1,500,000
Land Use Area 2	11.7	5%	7.5%	5,000	--	--	--	--
Site Total	37.6		56%					

\*Maximum impervious cover is based on Net Site Area (NSA) and will be tracked by site plan in compliance with Exhibit H - Brodie Oaks Redevelopment Phasing Plan. Impervious Cover will be higher on a site-by-site basis.

Maximum floor-to-area ratio is not applicable to the Brodie Oaks Redevelopment.

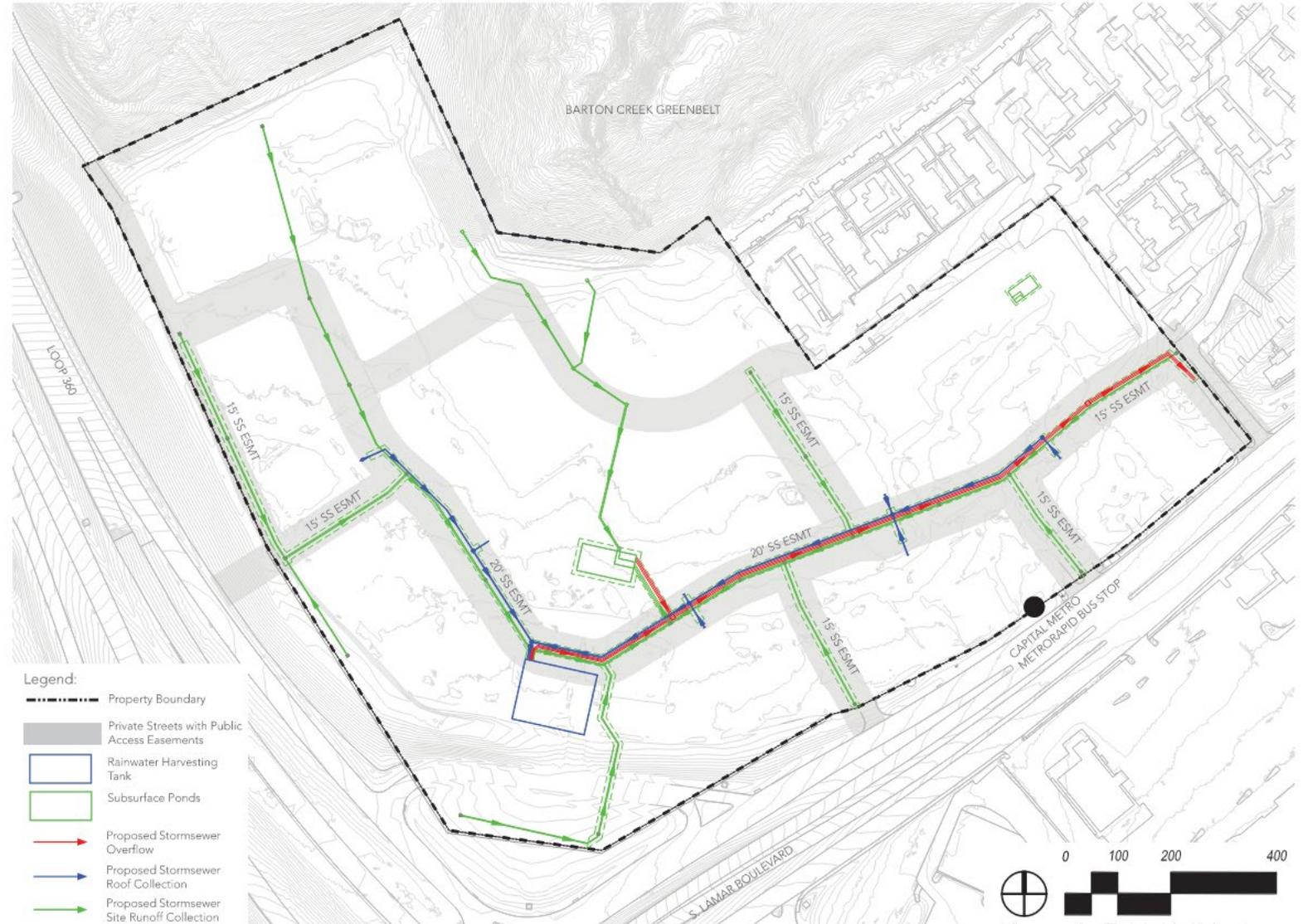




# Exhibit F: Water Quality



1. Brodie PUD with comply with SOS with subgrade ponds for retention/reirrigation system and rainwater harvesting with beneficial reuse
2. Infiltration testing
3. Trenching > 5' will be inspected by geologist





# Recommendation

## Staff recommends approval of the SOS amendment with the following conditions

- Reduce impervious cover from 84% NSA to 56% NSA
- Cluster impervious cover 75-250' away from Barton Creek
- Restore 2 acres of the tract to native vegetation
- Provide 100% Green Stormwater Infrastructure for water quality controls that meet SOS non-degradation pollutant removal.
- Provide rainwater harvesting for landscape irrigation of not less than 50% of the landscaped area.
- Provide superior tree protections.
- Exceed landscaping requirements.
- Complies with Austin Green Building 3-star rating
- Provide superior open space and parkland dedication
- LEED Neighborhood Development certification
- U.S. Green Building Council SITES certification



# Questions?

## Contact Information:

**Leslie Lilly**

**[leslie.lilly@austintexas.gov](mailto:leslie.lilly@austintexas.gov)**





November 2, 2022

TO: Austin Environmental Commission

Via Hand-delivery and email

FROM: Bill Bunch, Executive Director, SOS Alliance

RE: Brodie Oaks PUD needs changes to meet required “superior” standards, to comply with Austin’s Imagine Austin Comprehensive Plan, and to meet Water Forward and Climate Equity Plan goals

Dear Chair Ramberg and Commissioners:

Save Our Springs Alliance representatives have actively engaged with Applicant representatives off and on for over a year on this project. The goal has always been to reach agreement on all issues so that Brodie Oaks would be a model project that would set a very high standard for redevelopment in the Barton Springs watershed and for the larger Austin community.

While we can agree on some key elements, and very much appreciate the Applicant’s efforts to engage with neighborhood and environmental representatives and provide answers to our questions, the project as currently proposed does not meet required “superior” standards on environmental issues and does not fully meet Imagine Austin, Austin Climate Equity, and Austin Water Forward environmental and planning standards.

For context, the current development holds approximately 360,000 square feet. The proposed development would, according to the Applicant, total about 3.2 million square feet. Thus the proposal is not simply a significant increase in overall density but would rather be roughly a 900 percent increase in density.

While some substantial density increase is readily supported, the scale and type of development proposed both push the project into “inferior” status and in direct conflict with multiple environmental standards and planning goals.

SOS does support a narrowly tailored SOS ordinance site specific amendment for the Brodie Oaks PUD. This amendment would accept the Applicant’s proposed reduction in impervious cover from 84% gross site area to approximately 56% net site area and the Applicants commitment that SOS “pollution prevention” requirements would be met with SOS level water quality controls.

Our consulting expert, Dr. Lauren Ross, Ph.D., P.E., has reviewed the details of the Applicant's water quality controls. Dr. Ross generally agrees with the Staff that if implemented as described the water quality controls would provide the necessary treatment and capture volumes to meet the "pollution prevention" standards. In doing so, pollutant loading from the site would be greatly reduced, along with the impervious cover, as compared to the current development.

The environmental shortfalls to "superiority" are, however, significant. We ask that the Environmental Commission vote to find that the proposed PUD is not environmentally superior and should be denied unless the following changes shortfalls are corrected:

**1. Need for offsite mitigation land to reduce overall impervious cover to below 15% net site area and to mitigate for offsite pollution and environmental impacts.**

The Brodie Oaks tract rests within the Barton Springs recharge zone and thus is otherwise subject to a 15% net site area limit. We recognize that under the SOS redevelopment exception ordinance, the council has discretion to approve a much higher level of onsite impervious cover when considering the specific circumstances of a project. That SOS exception ordinance contemplates and in some cases requires the acquisition of land or conservation easements offsite so that the overall impervious cover (taking the two tracts together) meets SOS impervious cover standards.

Absent this offsite mitigation requirement, the proposed PUD cannot be viewed as "superior" to either the SOS ordinance or the SOS redevelopment exception ordinance requirements.

The SOS redevelopment ordinance provides in relevant part at Section 25-8-26:

"(G) City Council shall consider the following factors in determining whether to approve a proposed redevelopment:

- (1) benefits of the redevelopment to the community;
- (2) whether the proposed mitigation or manner of development offsets the potential environmental impact of the redevelopment;
- (3) the effects of offsite infrastructure requirements of the redevelopment; and
- (4) compatibility with the City's comprehensive plan.

(H) Redevelopment of property under this section requires the purchase or restriction of mitigation land if the site has a sedimentation/filtration pond. . . .

- (1) The combined gross site area impervious cover of the mitigation land and the portion of the redevelopment site treated by sedimentation/filtration ponds may not exceed 20 percent."

As noted below, several of these factors are implicated by the proposed redevelopment project. Offsite impacts will be substantial given that the project is heavy on office, retail, and hotel that will drive secondary development further out into the Barton Springs watershed, in direct conflict with Imagine Austin goals. As proposed there would be developed 1.2 million sq. feet of office, 140,000 sq. ft. of retail, and a 200 room hotel – all of which will create a demand for yet more housing over the Barton Springs Edwards Aquifer watershed.

## **2. Need to reduce height to meet Climate Equity Plan and “carbon neutral” goals**

Skyscrapers are not climate-friendly, primarily because of the “embodied” energy required to manufacture the concrete and steel required to support very tall buildings. There is now solid research showing that cities that develop with mid-rise and low-rise projects that are dense enough to support public transit and walkability and limit land consumption have greatly reduced greenhouse gas emissions when compared to skyscraper development. This [short piece from October 2021 in Resilience](#) provides an excellent summary on the issue.

We do not have an exact height limit to recommend at this time but keeping the height low enough, in the 5 to 10 story range, that use of energy intensive steel and concrete construction can be minimized or avoided altogether, while being consistent with Imagine the Imagine Austin Comprehensive plan should be recommended. This would allow substantial increase in density and likely could accommodate all of the proposed residential development if the 1.2 million square feet of office and hotel were scaled back. Converting the internal streets from auto traffic to pedestrian malls would also allow more of the onsite impervious cover to be dedicated to buildings rather than car habitat.

## **3. Need to remove skyscrapers or other otherwise reduce density to meet Austin Water Forward “net zero water” goals.**

The skyscrapers in the plan not only push the site away from being “carbon neutral” but also result in the project failing to meet “net zero water” goals. These buildings and the extra density they accommodate translate into having too little available onsite water to meet summer cooling tower, landscaping, and other project water demands. By reducing the scale of the development, the project would be able to flush toilets and meet other onsite water demands that cannot be met as proposed.

## **4. Need to remove skyscrapers to be consistent with the Imagine Austin Comprehensive Plan’s call for an “activity center in a sensitive environmental area.”**

SOS respectfully disagrees with Staff’s stated conclusion that the proposed development is consistent with the Imagine Austin Comprehensive Plan. The “activity center in an environmentally sensitive area” designation calls for lower density, low- to mid-rise redevelopment that supports public transit without inviting major density centers into the Barton Springs watershed. As proposed, the project would be more on the order of a “satellite

downtown,” especially when the large commercial tracts across Lamar and adjacent to the Brodie Oaks tract move toward redevelopment.

The attached list of Imagine Austin and neighborhood plan references prepared by long-time Zilker neighborhood/South Lamar development expert Lorraine Atherton make clear that the proposal, in its current form, is not consistent with the Imagine Austin Comprehensive Plan and should be scaled back to be consistent. It is certainly not “superior” to the comprehensive plan requirements.

- 5. Parks need more attention and should be “public” and mostly kept natural and not converted to outdoor commercial areas controlled by the developer.**
- 6. Please request that the matter be returned to the Environmental Commission when there is an actual draft zoning ordinance to be reviewed.**

We have learned from the Statesman PUD that having boards and commissions “review” a complex “zoning” ordinance that addresses far more than zoning when that ordinance does not actually exist leads to all kinds of problems – problems that are hidden from view or simply go unnoticed when they are not written down on paper. To address this problem, please include in your recommendation that the Environmental Commission be allowed to again review and make recommendations when there is an actual draft ordinance to review.

Currently the staff back-up says there are 43 code modifications requested. Several of these have not been addressed here, and some of these are very important. For example, the proposal appears to mostly gut Hill Country Roadway Ordinance protections that are important not just for scenic beauty but also for air quality, urban heat island, and carbon capture. These issues deserve some attention, at least to the point of what is being lost from what would otherwise be required. Regretfully, we have not figured this one out yet.

It only recently registered with us that the proposal would greatly reduce setbacks from a spring on the site. We also do not yet understand this issue but of course are concerned and don’t see how reducing setbacks from the spring can be environmentally superior.

As to Airman’s Cave, we do believe that, given the unique geology of the site and the configuration of the cave, that the cave should be adequately protected.

Thank you for your service to the community and for your consideration.

Sincerely,

A handwritten signature in black ink that reads "Bill Bunch". The signature is written in a cursive, slightly slanted style.

Bill Bunch

Enclosure

Cc: David Armbrust, Pat Oles, Milo Burdette, Applicants  
Melissa Hawthorne, Barton Hills Neighborhood Assn.  
Lorraine Atherton, Zilker Neighborhood Assn.  
Hon. Ann Kitchen, Councilmember, District 5

Here's a run-down of the passages relevant to the proposed Brodie Oaks PUD from Imagine Austin [with Lorraine's comments in square brackets]. The references to building height are found on page 105. Here goes:

Pages 100-103, Figures 4.2 (Bicycle and Pedestrian Networks), 4.3 (Transit Networks), 4.4 (Roadway Networks), and 4.5 (Growth Concept Map):

On all maps, the dots indicating the activity center at Ben White and Lamar are positioned to the east, between Lamar and Manchaca, not on top of Barton Creek.

Page 104, Growth Concept Map Definitions, Activity Centers and Corridors

Centers that are already established by existing small-area plans . . . are drawn to reflect those plans. Centers without small-area plans are simply shown with a circle, indicating scale and general location. Specifying boundaries for these centers may occur through small-area plans"

[In this case, the center's boundaries should now reflect the South Austin Combined neighborhood plan. The South Austin Combined NP captures perfectly the definition of an activity center in the third paragraph on page 104. The Brodie Oaks proposal, on the other hand, has no library, no college campus, no high school, no hospital, no playing fields, no housing choices other than high-rise multifamily, and no transit center. It has one bus stop, and the Brodie PUD proposal pushes it south to the equivalent of a highway on-ramp, isolating it from any possible pedestrian traffic.]

Page 105, description of Regional Centers

"The central regional center encompassing Downtown . . . is the most urban. It includes low- to high-rise residential and office buildings."

[Regional Center is the only category that includes high-rise buildings. The intersection of Ben White and South Lamar is NOT a regional center in Imagine Austin. Also see page 124 below.]

Page 105, description of Town Centers

"The buildings found in a town center will range in size from one- to three-story houses, duplexes, townhouses, and row houses, to low- to midrise apartments, mixed use buildings, and office buildings. These centers will also be important hubs in the transit system."

[Town Center is the only category that fits the "Activity center for redevelopment in sensitive environmental areas" designation for the intersection of Ben White and South Lamar. The South Austin Combined NP fits the Town Center description perfectly, with lots of variety embedded in a grid of South Austin bus routes with established routes to the north and east.]

Page 106, Activity Centers for Redevelopment in Sensitive Environmental Areas

“Five centers are located over the recharge or contributing zones of the Barton Springs Zone of the Edwards Aquifer or within water-supply watersheds. These centers are located on already developed areas and, in some instances, provide opportunities to address long-standing water quality issues and provide walkable areas in and near existing neighborhoods.”

[Note that it says "existing neighborhoods," not "new."]

“State-of-the-art development practices will be required of any redevelopment to improve stormwater retention and the water quality flowing into the aquifer or other drinking water sources. These centers should also be carefully evaluated to fit within their infrastructural and environmental context.”

[In this case, the size of the proposed project overwhelms the fire, power, water, and street infrastructure that can be provided within the environmental context. Attempts to provide that increased level of services to the Brodie site will necessarily divert resources away from the redevelopment of the Westgate and South Austin Hospital areas, which are already under way.]

Page 107:

"The Growth Concept Map not only guides where Austin may accommodate new residents and jobs but also reflects the community intent to direct growth away from environmentally sensitive areas including, but not limited to, the recharge and contributing zones of the Barton Springs segment of the Edwards Aquifer, and to protect the character of neighborhoods by directing growth to areas identified by small area plans."

[In this case, growth should be directed to the approved South Austin Combined neighborhood plan, which is well-positioned as an education, medical, and transportation hub, and able to absorb a large population in the redevelopment of large and small shopping centers.]

Also,

"Protect Austin's natural resources and environmental systems by limiting land use and transportation development in sensitive environmental areas."

Page 108:

"transit stops are identified as 'proposed.' As more detailed planning occurs, these may move. When this happens, the associated activity center should move as well."

[In this case, the Westgate transit center has moved to Ben White at Victory, which means the associated activity center should be the South Austin Combined neighborhood plan area. Given the state highway department's policies controlling the Lamar right of way south of Panther, it

will not be possible to change traffic patterns or make any substantial pedestrian or transit connections to the Brodie Center in the foreseeable future.]

Page 118, Best Practices:

“One of the most critical pieces of the code is the concept of ‘successional zoning.’ This allows rezoning only to the next most intense zone if the property abuts a more intense zone. This promotes a controlled evolution of the built environment and minimizes opportunities for developers to acquire a property and request a rezoning to a dramatically different intensity or use.”

[In other words, rezoning of Brodie Oaks should not exceed the zoning across the street, which is GR with a VMU overlay.]

Page 124, Figure 4.6, Combined Future Land Use Map:

There is one, and only one, parcel designated as a bright blue "Activity Center." It is the Westgate Shopping Center, on the southeast corner of the Ben White-Lamar intersection.