

ORDINANCE NO. 040902-54

AN ORDINANCE AMENDING ORDINANCE NO. 990408-14 TO REZONE AND CHANGE THE ZONING MAP FROM PLANNED UNIT DEVELOPMENT (PUD) DISTRICT TO PLANNED UNIT DEVELOPMENT (PUD) DISTRICT FOR LAND KNOWN AS THE FORUM PLANNED UNIT DEVELOPMENT TO CHANGE REGULATIONS APPLICABLE TO THE PROJECT KNOWN AS THE SOUTHWEST MARKETPLACE, LOCATED AT 4201-4515 WEST WILLIAM CANNON DRIVE AND 6900-7238 SOUTH MOPAC EXPRESSWAY.

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF AUSTIN:

PART 1. The Forum Planned Unit Development ("Forum PUD") is comprised of approximately 264 acres of land located along and near South Mopac Boulevard, West William Cannon Drive, Convict Hill Road and Brush Country Road in Travis County and more particularly described by metes and bounds in the land use plan incorporated into Ordinance No. 990408-14. The Forum PUD was approved April 8, 1999 under Ordinance No. 990408-14 (the "Original PUD Ordinance").

PART 2. The zoning map established by Section 25-2-191 of the City Code is amended to change the base district from planned unit development district to planned unit development district to change the regulations applicable to property within Forum PUD described in Zoning Case No. C814-98-0001.01, on file at the Neighborhood Planning and Zoning Department, as follows:

A 71 acre tract of land, more or less, out of the Thomas Anderson League in Travis County, the tract of land being more particularly described by metes and bounds in Attachment No. 1 (*Description of Property and Zoning Map*), incorporated into this ordinance, (the "Property")

locally known as the Southwest Marketplace area within the Forum PUD, located at 4201 to 4515 West William Cannon Drive and 6900 to 7238 South Mopac Expressway, in the City of Austin, Travis County, Texas, and generally identified in the map attached with Attachment No. 1 (*Description of Property and Zoning Map*).

PART 3. This ordinance, together with Attachments Nos. 1 through 5, amends the Original PUD Ordinance. The Forum PUD shall conform to the limitations and conditions set forth in this ordinance and the Original PUD Ordinance.

PART 4. The attachments are incorporated into this ordinance in their entirety as though set forth fully in the text of this ordinance. The attachments are as follows:

Attachment No. 1:	Description of Property and Zoning Map
Attachment No. 2:	Amended PUD Land Use Plan (4 sheets)
Attachment No. 3:	Green Builder Standards for Parcels B through E
Attachment No. 4:	Building Envelopes
Attachment No. 5:	Roadway Runoff Areas to be Treated

PART 5. The Original PUD Ordinance is modified as shown in this part.

- (A) Exhibit A (*Forum PUD Land Use Plan*) of the Original PUD ordinance is deleted and replaced with Attachment No. 2 (*Amended PUD Land Use Plan*) of this ordinance.
- (B) Exhibit B (*Forum PUD Land Use Plan Development Regulations*) of the Original PUD ordinance is amended to add the following provisions:
 - 40. The water quality facilities required under Note 25 to manage and treat storm water runoff may be located in one or more facilities on Parcels B through E.
 - 41. Note 38 does not apply to Parcels B through E. Except as otherwise provided in this note, for Parcels B through E, a single occupant of a commercial use that is a permitted use identified on Exhibit D, as amended, may not exceed 50,000 square feet of gross floor area. Notwithstanding the previous sentence, one single occupant may occupy up to 153,000 square feet of gross floor area.
 - 42. Administrative and business office use and professional office use are prohibited as a principal use on Parcels B through E.
 - 43. For Parcels B through E, notwithstanding anything to the contrary in the Original PUD Ordinance or this ordinance, impervious cover may not exceed a total of 33.87 acres.
 - 44. For Parcels B through E, the water quality facilities described in Notes 25 and 40 shall be designed to manage and treat storm water runoff from a 3.49 acre area of MoPac Boulevard and a 1.59 acre area of Brush

Country Road, more particularly described in Attachment No. 5
(*Roadway Runoff Areas to be Treated*) of this ordinance.

45. For Parcels B through E, the water quality facilities described in Notes 25 and 44 shall be designed to manage and treat storm water runoff to a capture depth of 2.59 inches.
 46. Note 15 does not apply to Parcels B through E. Parcels B through E are subject to the Green Builder Standards attached as Attachment No. 3 (*Green Builder Standards for Parcels B thorough E*) of this ordinance.
 47. Development of a building on Parcels B through E is confined to the building areas identified on Attachment No. 4 (*Building Envelopes*) of this ordinance.
- (C) Exhibit D (Permitted Uses table) of the Original PUD Ordinance is amended as shown in this section.
- (1) For Parcel B, the acreage shown is changed from 21.85 to 24.95 to correct a scrivener's error.
 - (2) For Parcel C:
 - (a) the acreage shown is changed from 27.49 to 24.39 to correct a scrivener's error;
 - (b) the base district is changed from general office (GO) to community commercial (GR);
 - (c) liquor sales use is added as a permitted use; and
 - (d) service station use is added as an excluded use.

PART 6. Except as otherwise proved in the ordinance, the terms and conditions of Ordinance No. 990408-14 remain in effect.

PART 7. This ordinance takes effect on September 13, 2004.

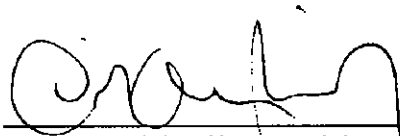
PASSED AND APPROVED

September 2, 2004

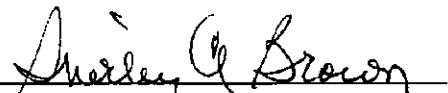
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Will Wynn
Mayor

APPROVED:


David Allan Smith
City Attorney

ATTEST:


Shirley A. Brown
City Clerk

TRACT II

DESCRIPTION OF 71.63 ACRES, MORE OR LESS, OF LAND AREA, IN THE THOMAS ANDERSON LEAGUE, SURVEY NO. 17, IN TRAVIS COUNTY, TEXAS, AS DESCRIBED FROM RECORD INFORMATION AND OFFICE CALCULATIONS ONLY AND IS NOT TO BE CONSTRUED TO REPRESENT A BOUNDARY SURVEY, SAID 71.56 ACRES BEING A PORTION OF THAT 26 7/8 ACRE TRACT OF LAND DESCRIBED IN A DEED DATED JANUARY 17, 1942 FROM H.E. WISE, ET UX, TO T.U. BRYANT, AS RECORDED IN VOLUME 693, PAGE 39 OF THE TRAVIS COUNTY DEED RECORDS, AND BEING A PORTION OF THAT 100 ACRE TRACT OF LAND DESCRIBED IN A DEED DATED MARCH 15, 1937, FROM J.L. McCARTY, ET AL, TO T.U. BRYANT, AS RECORDED IN VOLUME 570, PAGE 270 OF THE TRAVIS COUNTY DEED RECORDS, AND BEING THAT 10 ACRE TRACT OF LAND DESCRIBED IN A DEED DATED FEBRUARY 26, 1948 FROM NETTIE JANUARY, ET AL, TO T.U. BRYANT, AS RECORDED IN VOLUME 906, PAGE 529 OF THE TRAVIS COUNTY DEED RECORDS, AND BEING MORE PARTICULARLY DESCRIBED BY METES AND BOUNDS AS FOLLOWS:

BEGINNING at the intersection of the southeast line of the aforereferenced 26 6/8 acre Bryant Tract, and the southwest line of William Cannon Drive, for the north corner of Lot 1, Block B, of Garza Ranch, a subdivision in Travis County, Texas, as recorded in Volume 90, Pages 4-7 of the Travis County Plat Records, same being the northerly east corner of the herein described tract of land;

THENCE leaving the PLACE OF BEGINNING and William Cannon Drive, with the common line of the 26 7/8 acre and the aforereferenced Garza Ranch, S 27° 41' 28" W 928.16 feet to the northeast line of the aforereferenced 100 acre Bryant Tract, for the south corner of the 10 acre Bryant Tract, same being the west corner of Lot 4, Block B of Garza Ranch, and being an interior corner of the herein described tract of land;

THENCE leaving the 26 7/8 acre Bryant Tract, with the common line of the 100 acre Bryant Tract and Garza Ranch, S 62° 23' 23" E 286.16 feet to the intersection of the northeast line of the 100 acre Bryant Tract, and the west line of MoPac Boulevard (also known as Loop 1), for the south corner of Lot 4, Block B of Garza Ranch, same being the east corner of the herein described tract of land;

THENCE leaving Garza Ranch, and crossing the 100 acre Bryant Tract with the line of MoPac Boulevard, the following five (5) courses:

1. with a right breaking curve having a radius length of 2275.33 feet, an arc length of 688.49 feet, and a chord which bears S 49° 33' 44" W 685.87 feet to a point of compound curvature;
2. with a right breaking curve having a radius length of 1620.52 feet, an arc length of 957.21 feet, and a chord which bears S 75° 09' 09" W 943.35 feet;
3. N 87° 55' 33" W 447.50 feet to the beginning of a left breaking curve;
4. with said left breaking curve having a radius length of 118.50 feet, an arc length of 63.43 feet, and a chord which bears S 76° 44' 09" W 62.68 feet; and
5. S 61° 24' 13" W 202.31 feet to the intersection of the north line of MoPac Boulevard, and the east line of Brush Country Drive;

page 2 of 2

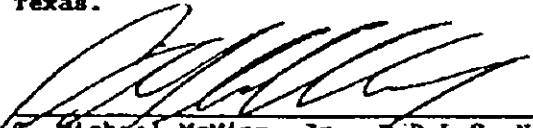
THENCE leaving MoPac Boulevard, with the common line of Brush Country Drive and the 100 acre Bryant Tract, the following two (2) courses:

1. with a right breaking curve having a radius length of 257.90 feet, an arc length of 277.17 feet, and a chord which bears N 02°25'05" W 264.02 feet; and
2. N 28°26'10" E 1439.04 feet to the north corner of the 100 acre Bryant Tract, same being the west corner of the remainder of the 26 7/8 acre Bryant;

THENCE leaving the 100 acre Bryant Tract, with the common line of Brush Country Drive, and the remainder of the 26 7/8 acre Bryant Tract, the following four (4) courses:

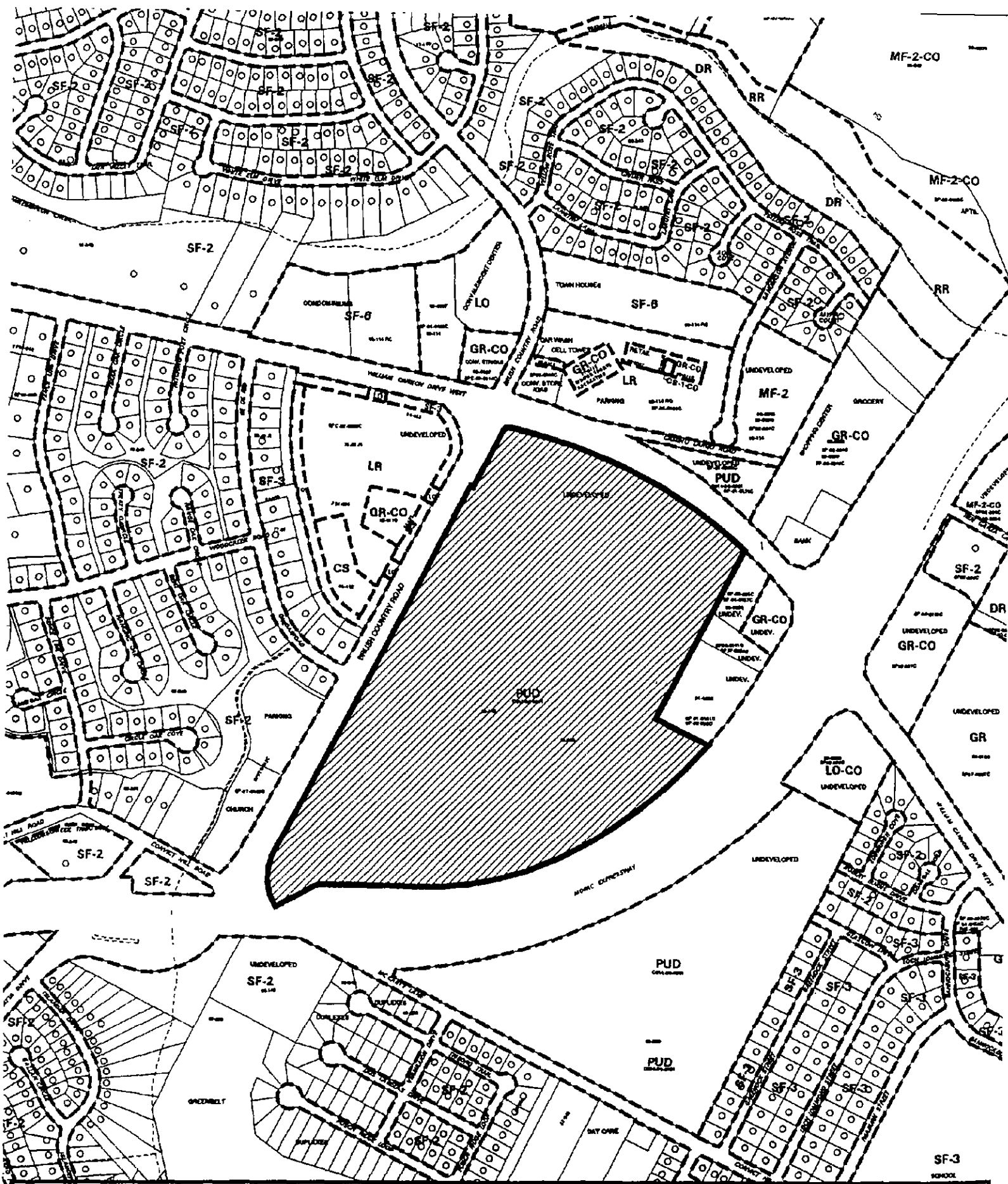
1. N 28°31'20" E 600.43 feet;
2. S 61°46' E 15.00 feet;
3. N 28°13'45" E 323.39 feet to the beginning of a right breaking curve; and
4. with said right breaking curve having a radius length of 20.00 feet, an arc length of 25.93 feet, and a chord which bears S 65°19'40" E 24.15 feet, to the intersection of the southeast line of Brush Country Drive, and the southwest line of William Cannon Drive, for the north corner of the herein described tract of land;

THENCE leaving Brush Country Drive, and crossing the 26 7/8 acre Bryant Tract, with the south line of William Cannon Drive, with a right breaking curve having a radius length of 2440.00 feet, an arc length of 1315.76 feet, and a chord which bears S 62°04'55" E 1299.88 feet to the PLACE OF BEGINNING. There are contained within these metes and bounds, 71.63 acres, more or less, of land area, as described from record information and office calculations only and is not to be construed to represent a boundary survey, as prepared by McMinn Land Surveying Company of Austin, Texas.


C. Michael McMinn, Jr., R.P.L.S. No. 4267
McMinn Land Surveying Company
4210 Spicewood Springs Road, Suite 201
Austin, Texas 78759
(512) 343-1970

DATE : January 13, 1994
SURVEY : Thomas Anderson League
COUNTY : Travis, Texas

J.O. No. : 012394
LNDB0123



FIELD NOTES

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14414

ГЛАВ.

ПРИМ.

WILSON, STEPHEN D., JR.

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED
DATE 01-21-2009 BY 60322

TRANS-17

12.73 AC.

TRACT 1

TRACT REFERENCE
FOR FIELD NOTES

TRACT IN

TRACT NE

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LEGEND

[illegible]

THE - FORUM

PLANNED UNIT DEVELOPMENT

SITE DEVELOPMENT CRITERIA AND LAND USE SUMMARY

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1.2.2.4. CSB

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THE FARMER

U.S. Navy, Naval Facilities Engineering Command, 1990

11-97888-7700-4 71-2-00000-21

DECLARATION OF INTEREST

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Abstract

1. The following table shows the number of people who attended the concert in each of the five years from 1990 to 1994.

— — — — —

• 1975

△ P.V.D. Amendment 2003/2004

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1. EXHIBIT A- LAND USE PLAN (see attached sheets 2-3 and 3-3)
2. EXHIBIT B- FORUM PUD DEVELOPMENT REGULATIONS
3. EXHIBIT C- DESCRIPTION OF PROPERTY AND ZONING MAP
4. EXHIBIT D- PERMITTED USES TABLE
5. EXHIBIT E- GREEN BUILDER STANDARD
6. EXHIBIT F- DESCRIPTION OF MITIGATION PROPERTY
7. EXHIBIT G- WATER QUALITY CRITERIA

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THE FORUM P.U.D.
EXHIBIT 'A' LAND USE PLAN

ADDENDUM:
 L.A. COUNTY
 11-10-60
 J. A. VANCE
 L.A. COUNTY

ପ୍ରଶ୍ନ ୧୫
 ୧. ଯଦି ଏକ ବସ୍ତୁର ବସ୍ତୁତ୍ୱ ୧୦ କିଲୋଗ୍ରାମ ହୁଏ, ତେବେ ଏହାର ବସ୍ତୁତ୍ୱ ୨୦ କିଲୋଗ୍ରାମ ହେବାର ସମ୍ଭାବନା କେତେ ?
 ୨. ଏକ ବସ୍ତୁର ବସ୍ତୁତ୍ୱ ୧୦ କିଲୋଗ୍ରାମ ହୁଏ, ତେବେ ଏହାର ବସ୍ତୁତ୍ୱ ୨୦ କିଲୋଗ୍ରାମ ହେବାର ସମ୍ଭାବନା କେତେ ?
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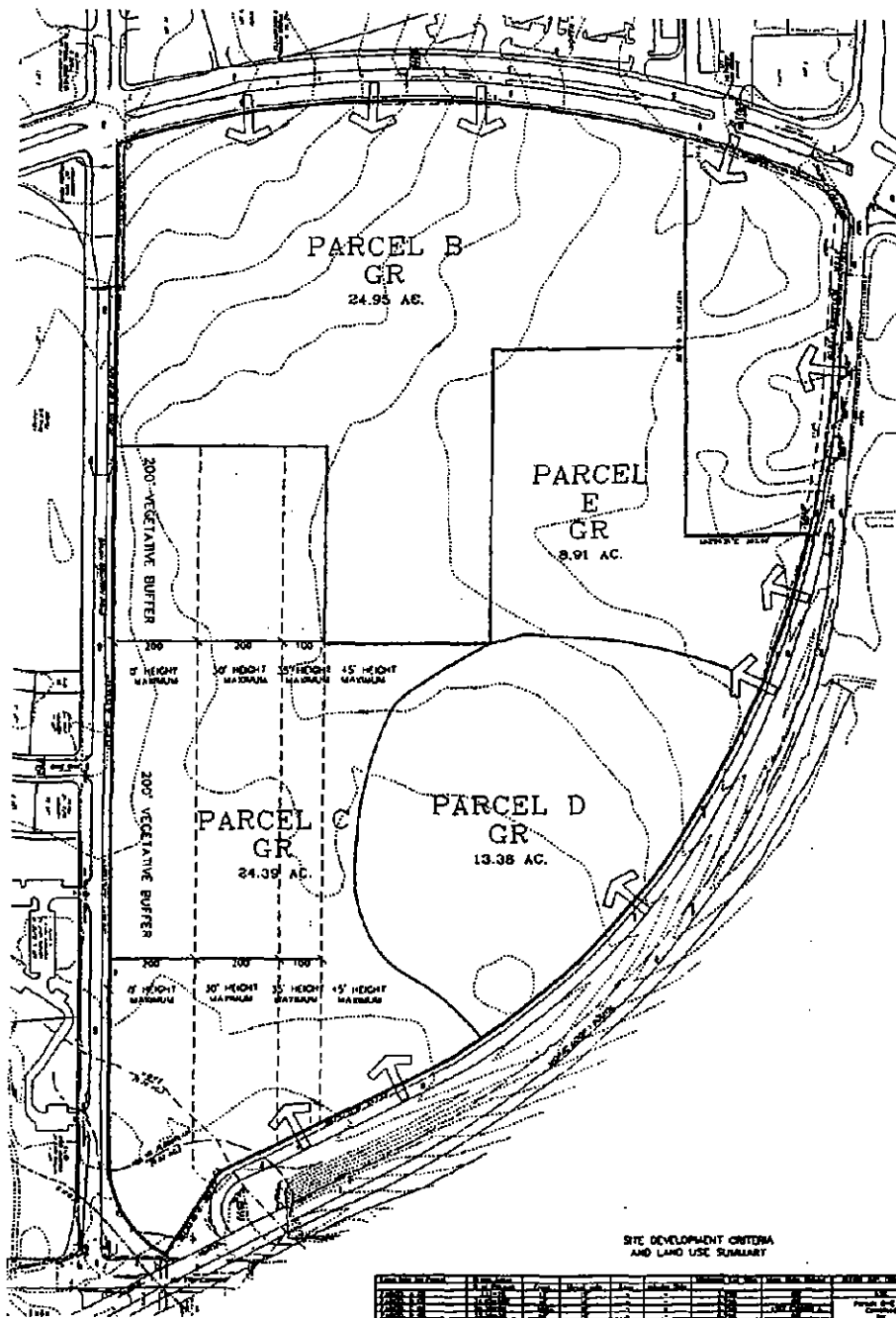


FLOODS ENGINEERING SERVICES

PLANNED ENVIRONMENTS INC.

SHEET
1 of 1

SECRET
2 of 4



SCALE: 1"=100'

SITE DEVELOPMENT CRITERIA
AND LAND USE SUMMARY

Parcel	Area (Ac.)	Height (ft.)	Use	Notes
Parcel B	24.95	15	GR	
Parcel E	8.91	15	GR	
Parcel C	24.39	15	GR	
Parcel D	13.38	15	GR	

NOTES: 1. All areas shown on this map are subject to the existing and proposed zoning and land use regulations of the City of Phoenix. 2. The proposed development is subject to the approval of the City of Phoenix Planning and Zoning Commission.

DATE: 11-11-11
BY: [Signature]
CHECKED BY: [Signature]
PROJECT NO: 1100-0011

MOPAC EXPRESSWAY (LOOP 9)
WILLIAM CANNON DRIVE
CARDINAL PARAGON, INC.

SOUTHWEST MARKETPLACE P.U.D.
EXHIBIT A



Attachment 3

Green Development Performance Standards For Parcels B-E Only

Introduction.

1.1 The owner or the owner's developer (the "Owner") of any retail development on any of Parcels B, C, D, or E of the PUD Property (each, a "Parcel", and collectively, the "Parcels") shall comply with the mandatory requirements set out in this Exhibit E, and shall also consider the optional standards as set out herein, provided, however, that if a mandatory requirement listed in this Exhibit E is not feasible, as determined by the reviewer described in Section 1.2 hereof, then Owner does not have to achieve or follow that standard, and Owner will be deemed to have complied with such mandatory requirement by virtue of a determination by the reviewer that the requirement is not feasible. For purposes of determining feasibility under this Exhibit E, the reviewer may consider, among other things and as applicable to the requirement in question, the ready availability of technology and/or materials, the cost of compliance compared to the benefits and as a component of overall cost of development or construction, whether the requirement would have more than a de minimis impact on environmental quality under the particular circumstances, and the requirements and limitations of applicable law. If the reviewer determines that a requirement listed herein as "mandatory" is feasible, then that requirement must be complied with.

1.2 Compliance with the requirements of Section 1.1 on any given Parcel, whether such requirements are mandatory or optional, shall be evidenced by the approval of plans by any one of (i) a licensed engineer, (ii) a licensed architect, or (iii) a U.S. Green Building Council LEED (Leadership in Energy & Environmental Design) Green Building Rating System accredited professional (or, if at such time as the evidence of compliance is being reviewed, the LEED program no longer exists or LEED accredited professionals are no longer readily available, a reviewer who is qualified according to standards agreed to by both the City and the Owner of the particular Parcel for which compliance is being determined). Such approval shall include the reviewer's calculation of the number of mandatory and optional Exhibit E requirements satisfied under the approved plan. If plans will be reviewed by a licensed engineer or architect under this Section 1.2, Owner will use reasonable efforts to find and use a licensed engineer or architect who is experienced with green building technology and practices and/or is familiar with the LEED program. Approval of plans as described in this Section 1.2 shall be sufficient and conclusive for all purposes, and no other review or approval, whether by the City or otherwise, shall be required.

1.3 The requirements hereof, as they apply to each Parcel, may, at the option of the Owner of a Parcel or the City, be reassessed by the City and such Parcel Owner, but no more often than every five years. Upon the agreement of the City and such an Owner, the standards applicable to that Parcel may be modified in a writing signed by the City and such Owner, and an amendment hereto reflecting the modification of standards applicable to that Parcel shall be

recorded in the appropriate records of Travis County, Texas. The Owner and the City shall invite the director of the Lady Bird Johnson Wildflower Center to participate in discussions regarding any such modification, but the director is not hereby obligated to so participate. If the LEED program and/or LEED accredited professionals are no longer available at the time of any such 5-year reassessment, the City and the Parcel Owner who asked for a reassessment shall also agree upon the qualifications of successor reviewers who, along with licensed engineers and licensed architects, may review plans for compliance with this Exhibit E (as described in Section 1.2).

1.4 Notwithstanding the provisions of Section 1.3 to the contrary, the plant species lists attached hereto as Appendices A, B, and C may be amended from time to time upon the mutual agreement of the owner of an affected Parcel and the director of the Lady Bird Johnson Wildflower Center. Any such amendment shall be recorded in the appropriate records of Travis County, Texas.

1.5 This Exhibit E applies only to Parcels B-E of the PUD Property, and supersedes the original Exhibit E Green Development Performance Standards for the Parcels. This Exhibit E has no affect on the balance of the PUD Property, including any green development performance standards applicable thereto.

Part One. Guiding Principles. Following are general site and design strategies and goals for development of the Parcels, which strategies and goals may or may not be achievable for a given site or use, all as set out more completely elsewhere in, and governed by the other provisions of, this Exhibit E:

I. Site Strategies.

- A. Design with Nature. Specify climate- and site-responsive design strategies & features to maximize building self-reliance and minimize ecological harm on multiple scales.
- B. Design For Water Quality. Minimize stormwater run-off by reducing impervious surfaces, installing rainwater harvesting systems and green roofs, and designing swales and appropriate set-backs integrated into a healthy landscape. For properties in the recharge zone, design for no net increase of stormwater runoff rates over existing conditions.
- C. Design To Maximize Open Space. Cluster development and hardscapes to preserve undisturbed open space and protect critical environmental features.
- D. Design To Reduce Vehicle Miles. Design providing walkable distances and pedestrian and bicycle pathways to accommodate transportation needs. Link destination points throughout the development and incorporate park & ride, vanpool, car sharing, and access to public transportation and incentives for employers to hire from nearby neighborhoods.

- E. Design With Native Plant Landscapes & Maintain With Organic Methods & Materials. Specify plant species indigenous to the Edwards Aquifer watershed and employ organic gardening methods eliminating use of toxic pesticides and herbicides. Prohibit turf on retail sites.
- F. Design For Food Production. Where permitted by zoning, designate lot- and neighborhood-scale gardens for individual and community food production.

II. Design Strategies.

- A. Design with Flexibility. Anticipate change in user needs by designing open building systems.
- B. Design For Human Scale. Establish appropriate square foot parameters that provide efficient and sufficient space allocations relative to user needs.
- C. Design With Integrated Process and Systems. Establish multi-discipline design decision process and optimize the efficiencies of complementary building elements.
- D. Design for Indoor Environmental Quality. Design for daylight as primary light source, provide occupants access to views, and optimize natural and mechanical ventilation and air conditioning systems while eliminating sources of indoor pollution.
- E. Design With Healthy Materials. Specify materials that are non-toxic, resist mold, eliminate emissions of volatile organic compounds (vocs) and are not responsible for the release of persistent bioaccumulative toxins (pbts) through the life cycle.
- F. Design With Durable Materials. Specify materials that are long-lasting and minimize maintenance and repair requirements.
- G. Design With Regional Materials. Specify environmentally-sound building materials and products that are sourced and manufactured within a 500 mile radius of building site thereby supporting the regional economy.
- H. Design For Resource Efficiency. Employ strategies that achieve greater energy and water efficiency than comparable (but non-green) buildings in Central Texas.
- I. Design For Renewable Energy. Integrate appropriately-scaled renewable energy technologies for water heating and electrical generation, and secure long-term contracts for grid-connected "green" energy where available through the provider.
- J. Design For Waste Minimization. Employ strategies to reduce, reuse, recycle, and compost construction, demolition and land-clearing debris, and design buildings to facilitate recycling during operations.

Part Two. Retail Development

I. Overview.

Subject to all of the terms of the Introduction, above, the requirements set out in Sections II through VII below shall govern retail development of the Parcels. All such development must comply with those requirements that are listed below as “mandatory”, and must also comply with a total of at least five (5) in the aggregate of the items listed below as “optional”.

II. Sustainable Sites.

A. Erosion and Sedimentation Control

1. Design in conformance with a site and erosion control plan that conforms to the best management practices identified in (i) the EPA’s Stormwater Management for Construction Activities (EPA-832.R-92-005, Chapter 3), or (ii) the erosion and sedimentation control requirements in the City’s Code, whichever is more stringent. At the least, the plan must (i) prevent loss of soil by stormwater and/or wind erosion during construction, including by calling for protection of topsoil by stockpiling for reuse, and (ii) prevent sedimentation or pollution of storm sewer and receiving streams from dust and particulate matter.
 - a. **Mandatory**
 - b. **Documentation Requirement:** conforming erosion and sedimentation control plan.
2. Revegetation for erosion control will be consistent with the project landscape standards while allowing for seasonally appropriate temporary seeding. Following the completion of all construction activities in the area, areas compacted by construction activities shall be aerated or the soils shall be amended as necessary to allow for appropriate revegetation. Seed mixes for permanent revegetation will include only native grasses and wildflowers from the approved plant list (see Appendix A).
 - a. **Mandatory**
 - b. **Documentation Requirement:** Conforming erosion and sedimentation control plan.
3. [intentionally omitted]
4. **Provision of on-site detention for 2-year 3-hour storm event.**
 - a. **Mandatory, unless site conditions and proposed development dictate that**

it would be more prudent not to provide the facility.

- b. Documentation Requirement: Stormwater management plans and calculations.
5. Fertilizer containing not more than the equivalent of 40 pounds of nitrogen per acre per year will be applied, except where greater plant nitrogen uptake is demonstrated.
- a. Mandatory
 - b. Documentation Requirement: Landscape plan and/or narrative description of fertilizing areas and measurements.

B. Site Selection

- 1. Establish specific setbacks from critical environmental features that meet or exceed minimum setback requirements under the City of Austin Code on a site-by-site basis.
 - a. Mandatory
 - b. Documentation Requirement: Provide site plan showing proposed project footprint and locations of critical environmental features.
- 2. Construction in City of Austin Critical Water Quality and Water Quality Transition Zones is prohibited except as permitted by City of Austin Code or pursuant to variances.
 - a. Mandatory
 - b. Documentation Requirement: Site plan showing locations of CWQZ and WQTZ and footprint of proposed construction, as well as copies of variance approvals, as appropriate.
- 3. Identify and consider preservation of significant trees and tree groups, as "significant trees" and "tree groups" are described in the City of Austin Environmental Criteria Manual, Section 3, as applicable to a Parcel.
 - a. Mandatory
 - b. Documentation Requirement: Provide tree survey and site plan, and/or narrative describing preservation plan.
- 4. No construction of buildings or development, excluding water quality facilities approved by the City of Austin, shall be permitted on any portion of a Parcel that

meets any of the following criteria: (i) is "prime farmland" as defined by the American Farmland Trust; (ii) is land lying lower than one foot (1') above the elevation of the 100-year flood plain as defined by FEMA; (iii) is within 100' of any "wetland" as defined by either 40 CFR, Parts 230-233 and Part 22, (iv) was public parkland prior to its acquisition by Owner, unless land of equal or greater value as parkland is accepted by the appropriate governmental entity in exchange for such former public parkland.

- a. Mandatory
 - b. Documentation Requirement: Provide site plan showing the proposed project footprint, as well as the location of any 100-year floodplain, or designated wetlands, as well as a note confirming the absence of prime farmland and prior public parkland.
5. Construction is prohibited on any land that is habitat for any Texas or federally listed threatened or endangered species that is identified as such habitat by a federal or state agency prior to the date hereof, unless pursuant to permission from the U.S. Fish and Wildlife Service.
- a. Mandatory
 - b. Documentation Requirement: Provide site plan showing the limits of proposed construction, if any, located within identified habitat for listed threatened or endangered species.

C. Alternative Transportation

- 1. Locate buildings (i) within one-half mile of a commuter rail, light rail, or subway station or (ii) within one-quarter mile of the stop(s) of two or more bus lines.
 - a. Optional
 - b. Documentation Requirement: Provide area plan highlighting building location, transportation features, and distances. Include scale bar for distance measurement.
- 2. [intentionally omitted]
- 3. [intentionally omitted]
- 4. If City Code requires a building to have bicycle parking, provide covered bicycle parking within 50 feet of such building entrance. The number of spaces must meet or exceed the number of such spaces required under City Code, but be not less than 5% of anticipated occupancy.

- a. Optional
 - b. Documentation Requirement: Provide site plan showing number and location of parking spaces, and narrative regarding anticipated occupancy of relevant building.
5. Provide suitable means for storing bicycles, with convenient changing facilities for use by cyclists. Provide showers as appropriate to the scale and type of use of the facility.
- a. Mandatory
 - b. Documentation Requirement: Provide site drawings showing bike area and number of bikes served, and a report describing estimated staffing and provisions for showers/changing area(s).
6. Install alternative-fuel refueling station(s) capable of servicing the number of cars equal to 3% of the total vehicle parking capacity of the Parcel. Liquid or gaseous fueling facilities must be separately ventilated or located outdoors.
- a. Optional
 - b. Documentation Requirement: Provide site drawings & specifications showing any alternative-fuel refueling station, as well as the number of parking spaces.
7. For rehabilitation projects, add no new parking spaces.
- a. Optional
 - b. Documentation Requirement: Provide parking plan highlighting total parking capacity and narrative describing previous parking space number, and number of spaces required by city code.
8. [intentionally omitted]
9. Evaluate the feasibility of parking ratios reduced from City Code requirements.
- a. Mandatory
 - b. Documentation Requirement: Narrative describing analysis of feasibility, and calculations based on the square footage of the relative building.
- D. Reduced Site Disturbance

1. Protect open space by limiting site disturbance to the extent feasible based on good design practice and construction techniques. Limits of construction to be defined by silt fence, chain link fencing, orange plastic mesh fencing, or other appropriate methods.
 - a. Mandatory
 - b. Documentation Requirement: Provide site drawings showing limits of construction disturbance and location and type of containment method chosen.
2. Limits of construction to be defined by chain link fencing.
 - a. Optional
 - b. Documentation Requirement: Provide site drawings showing the development footprint and calculating the amount of open space on the Parcel.
3. Limit the area of construction disturbance to (i) within 40 feet of building perimeters, within 30 feet of parking lot perimeters, and to the extent feasible to permit construction of infrastructure such as utilities, stormwater facilities, pedestrian/bicycle paths and required landscaping, OR (ii) no more than 105% of the sum of the allowable impervious cover plus stormwater facilities and utilities.
 - a. Mandatory
 - b. Documentation Requirement: Site plan and/or erosion and sedimentation plan showing location of construction areas, and calculations indicating compliance with the standard.
4. Require contractor bonding to cover the estimated value of trees identified on the tree preservation plan as being preserved.
 - a. Optional
 - b. Documentation Requirement: Tree preservation plan showing trees to be preserved, narrative describing valuation of preserved trees, and evidence of contractor bonding.
5. Construction contract documents will require contractor to be financially liable for the estimated value of damage to or destruction of trees identified to be preserved.
 - a. Mandatory

- b. Documentation Requirement: Provide narrative and/or tree preservation plan and erosion and sedimentation control plan showing tree protection measures, and copy of executed construction contract with appropriate liability language.

E. Stormwater Management

1. With the exception of participation in existing regional stormwater facilities, implement a stormwater management plan (i) that results in no increase in the rate of stormwater runoff after development from pre-development levels, or (ii) if existing impervious cover is greater than 50%, that reduces the rate and quantity of stormwater runoff by at least 25% from existing levels.
 - a. Mandatory
 - b. Documentation Requirement: Provide stormwater management plan with calculations.
2. Implement a stormwater management plan that results in treatment systems designed to remove 80% of the average annual post development total suspended solids (TSS) and 40% of the average annual post development total phosphorous (TP) by implementing Best Management Practices (BMPs) outlined in the EPA's Guidance Specifying Management Measures for Sources of Non-point Pollution in Coastal Waters (EPA 840-B-92-002 1/93).
 - a. Mandatory
 - b. Documentation Requirement: Provide stormwater management plan with calculations and describing BMPs implemented.
3. Treat stormwater run-off to achieve no increase in the average annual pollutant load defined in Section 25-8-514 (A) of the City of Austin Code (as that section reads as of the date hereof), using vegetative filter areas and retention/re-irrigation water quality controls.
 - a. Mandatory
 - b. Documentation Requirement: Provide water quality control plans, including calculations of estimated pre- and post-construction average annual pollutant loads.
4. Achieve a reduction in stormwater runoff volume by complying with one or more of the following performance standards:
 - A minimum of 20% of the roof construction on the site to utilize a green

roof.

- Pervious pavement required for at least 50% of all surface parking areas where soil depths are greater than 4 feet.
 - Connecting paths for pedestrians and bikes will be decomposed granite, gravel or other pervious material, except where impervious pavement is required to meet applicable law, or where otherwise necessary to accommodate intended use.
 - Substitute natural-bottom vegetated channel drainage for storm drainage conveyance, unless alternative lining is required to obtain City approval.
 - Achieve impervious cover reductions through clustering, reduced parking requirements and/or narrower roadways.
 - Disconnect impervious cover by providing swales rather than pipe drainage, or by sloping roofs, driveways and parking areas to vegetated filter areas rather than storm sewers.
 - Achieve no decreased flow to Identified Aquifer Recharge Features.
- a. Mandatory
 - b. Documentation Requirement: Provide a narrative describing compliance with this standard, including, as appropriate, plans, materials lists, and/or calculations.

III. Landscape and Exterior Design/Heat Island Reduction

A. Shade

- 1. Do at least one of the following: (i) provide shade (within 15 years) on at least 30% of non-roof impervious surfaces on the Parcel, including parking lots, walkways, plazas, etc., using trees or trellises with vines from the approved plant list (see Appendix A), (ii) use light colored/high albedo materials (with a reflectance of at least 0.3) for 30% of the Parcel's non-roof impervious surfaces, (iii) place at least 50% of the parking spaces underground, or (iv) use pervious pavement where soils are 4 feet or greater in depth.
- a. Mandatory
 - b. Documentation Requirement: Depending on the option(s) chosen, provide (i) drawings showing 15-year shading plan with non-roof impervious surface calculations, (ii) specifications for high-albedo materials used and non-roof impervious surface calculations, (iii) parking plan with count of surface vs. underground spaces, or (iv) drawings showing areas of pervious pavement.

2. When considering placement of pedestrian and bicycle pathways on a Parcel, consider locating such pathways in existing shaded areas, and creating additional areas of shade, employing native trees and trellises with vines using plants from the approved list (see Appendix A), buildings, canopies, and/or any other permissible shade provider.

- a. Optional

- b. Documentation Requirement: Provide site plan and/or other drawings showing pedestrian and bicycle pathways and showing shade areas, with calculations.

B. Heat Island Reduction

1. Either (i) use ENERGY STAR Roof-compliant, high reflectance and high emissivity roofing (with initial reflectance of at least 0.65 and 3-year aged reflectance of at least 0.5 when tested in accordance with ASTM E903 and emissivity of at least 0.9 when tested in accordance with ASTM 408) for at least 75% of the roof surface, or (ii) install a vegetated roof for at least 50% of the roof area.

- a. Optional

- b. Documentation Requirement: Provide (i) specifications of materials and roof area calculations, or (ii) plans and roof area calculations.

2. Conduct a life cycle cost analysis for the use of concrete for all non-pervious paved parking and roadway surfaces.

- a. Mandatory

- b. Documentation Requirement: Provide a cost/benefit analysis for the anticipated life of the facility comparing construction and maintenance costs for concrete versus asphalt paving surfaces.

C. Exterior Light Pollution Reduction

1. In order to improve night sky access and reduce development impact on the nocturnal environment, do not exceed Illuminating Engineering Society of North America (IESNA) footcandle level requirements as stated in the IESNA's "Recommended Practice Manual: Lighting for Exterior Environments", and design interior and exterior lighting such that no direct-beam illumination leaves the building site.

- a. Mandatory

- b. Documentation Requirement: Provide exterior lighting design plan highlighting footcandle contours and demonstrating compliance w/IESNA requirements. Provide design narrative showing that no direct-beam illumination leaves site.
- 2. Develop an exterior lighting plan for all development that sets maximum lighting levels for commercial areas at three footcandles, average maintained, measured horizontally at finished ground level with a 4:1 illumination ratio.
 - a. Optional
 - b. Documentation Requirement: Provide exterior lighting design plan and narrative demonstrating compliance with this requirement.
- 3. If permissible by City Code, free standing light fixtures shall not exceed 30 feet measured from the ground/pavement to the bottom base of the fixture.
 - a. Optional
 - b. Documentation Requirement: Provide narrative including measurements.
- 4. Fixture wattage shall not exceed 350 lamp watts and shall contain the lowest available mercury content at the time of purchase, consistent with fulfilling performance requirements.
 - a. Optional
 - b. Documentation Requirement: Provide specifications regarding fixtures.
- 5. Fixtures shall be limited to two per pole, and shall have no uplight or lamps/light-refracting lenses extending below the plane of the lowest point of the fixture housing. Fixtures will provide a cutoff not to exceed 90 degrees from nadir so that light is not emitted above the horizontal plane.
 - a. Optional
 - b. Documentation Requirement: Provide exterior lighting design plan highlighting lighting fixtures and describing light emissions.
- 6. Building-mounted wall packs shall not exceed a lamp wattage of 200 watts and shall be mounted no higher than 28 feet from the ground/pavement to the bottom of the fixture. Wall packs shall be configured with a full front metal shield with a sharp cutoff of at least 85 degrees to block the lamp source from line of sight view. Open-faced wall packs of any wattage or size are prohibited.
 - a. Optional

- b. Documentation Requirement: Provide exterior lighting design plan highlighting lighting fixtures.
- 7. All lighting fixtures to illuminate outdoor advertising shall utilize downlighting, backlighting, or internal illumination (using lamps of 100 watts or less).
 - a. Mandatory
 - b. Documentation Requirement: Provide exterior lighting design plan highlighting lighting fixtures and a narrative showing that no direct-beam illumination leaves site.
- 8. Lamp wattage for outdoor advertising signs constructed of translucent materials and wholly illuminated from within shall not exceed 75 watts.
 - a. Optional
 - b. Documentation Requirement: Provide specifications regarding fixtures and lamps.
- 9. If and to the extent that Owner chooses to pursue an optional standard under these Part C Exterior Light Pollution Reduction provisions, and such option is in conflict with otherwise applicable provisions of the City of Austin's Code, Owner will seek to obtain a waiver of or variance from such conflicting Code provisions, as appropriate.
 - a. Mandatory
 - b. Documentation Requirement: Provide such documentation to the City as is necessary under applicable law to obtain the waiver or variance in question. In pursuit of such waiver or variance, Owner may rely on the advice of legal counsel rather than only a licensed engineer, licensed architect, or LEED accredited professional as described herein.
- 11. For a Parcel with zoning allowing a service station, all luminaires mounted on the undersurface of service station canopies shall be fully shielded and utilize flat glass or flat plastic covers. The total light output used for illuminating service station canopies, defined as the sum of all under-canopy initial bare-lamp outputs in lumens, shall not exceed forty (40) lumens per square foot of canopy. All lighting mounted under the canopy, including but not limited to luminaires mounted on the lower surface of the canopy and auxiliary lighting within signs or panels over the pumps, is to be included toward the total outdoor light output for the Parcel.
 - a. Optional

- b. Documentation Requirement: Provide exterior lighting design plan highlighting luminaries and specifications regarding fixtures.

IV. Water Efficiency

A. Water Efficient Landscaping

1. Use either (i) high efficiency irrigation technologies that are in keeping with the scale and requirements of the landscaped areas, or (ii) captured rain or recycled water, in either event to reduce potable water consumption for irrigation by 50% over conventional irrigation methods.
 - a. Mandatory
 - b. Documentation Requirement: Provide plans or a design narrative, including calculations, demonstrating compliance with this requirement.
2. Use captured rain or recycled water to eliminate potable water consumption for irrigation.
 - a. Optional
 - b. Documentation Requirement: Provide plans or a design narrative demonstrating compliance with this standard.
3. In order to preserve existing plant material, Owner shall (i) use reasonable efforts to select building, road, and parking sites from locations with the least ecological health rather than disturb places in the best health, (ii) if not in an area to be landscaped under City Code, restore healthy soils, native plant communities and fauna habitat in areas temporarily disturbed by construction activity, and (iii) have a tree and plant survey performed by a qualified professional, which may include a representative of the Lady Bird Johnson Wildflower Center (hereinafter referred to as TWC), which survey must include:
 - A field survey;
 - A species list;
 - Recommendations for rare, unique, or valuable plant recovery and reuse;
 - An evaluation of all trees 19 inches and larger in diameter performed in accordance with Section 3.5.1 of the City's Environmental Criteria Manual;
 - Recommendations for protection of significant trees during construction; and
 - Recommendations for long-term site management to protect the tree

resources.

- a. Optional
 - b. Documentation Requirement: Provide a narrative describing the location decisions made for buildings, roads, and parking sites, a plan for soil recovery, and a tree and plant survey as described.
4. For plant species identified as "significant" in a tree and plant survey done pursuant to paragraph 3, above, that will be disturbed during construction activities, remove all or a material portion of such plants and replant in a compatible area that will not be disturbed. Preserve significant trees and tree groups.
- a. Optional
 - b. Documentation Requirement: Provide copy of tree and plant survey, and plan for preservation, removal, and replanting.
5. In new plant assemblages, use plant species from the approved plant lists that take advantage of specific site conditions (e.g., water-loving plants in natural or created drainages, xeric plants on slopes and ridgelines) in order to reduce or eliminate reliance on supplemental water, fertilizer or pesticides in comparison to traditional landscaping assemblages.
- a. Mandatory
 - b. Documentation Requirement: Provide list of plant species used in new assemblages along with plan showing planting locations, and narrative describing estimated reductions in water, fertilizer, or pesticide use compared to traditional landscaping.
6. To the extent practicable, the Owner will require in its contracts for landscape maintenance that only electric (or other non-gasoline) mowers and equipment be used.
- a. Optional
 - b. Documentation Requirement: Provide copies of maintenance contracts and narrative regarding availability of non-gasoline based services.
7. A progressive Integrated Pest Management (IPM) plan will be developed and implemented for the site using standards at least as stringent as City of Austin standards, and which plan will call for the use of chemicals as a last resort in the progression, and in any event call for the least toxic chemicals approved for use. The plan will address construction and post-construction chemical use.

- a. Mandatory
 - b. Documentation Requirement: Provide IPM plan.
- 8. Specify a minimum of 25% of building materials, including for planters, benches, and stone work, that contain in the aggregate a minimum weighted average of either (i) 20% post-consumer recycled content material or (ii) 40% post-industrial recycled content material.
 - a. Mandatory
 - b. Documentation Requirement: Provide requests for bids, specifications, and other information regarding the amount of recycled content materials to be used, and provide calculations demonstrating compliance with the standard.
- 9. A landscape materials plan will be developed that includes such requirements as: (i) no materials that leach pollutants, such as creosote-treated railroad ties and CCA (copper chromated arsenic) and pentachlorophenol treated wood, will be allowed, (ii) for wood in contact with soil, an approved treatment method, such as ACQ (ammonium copper quarternary), naturally-resistant wood, or a wood-plastic composite will be required, (iii) topsoil from the site will be stockpiled using appropriate erosion control methods during storage, (iv) excavated boulders will be stored and incorporated into the site landscape, and (v) woody plant material will be used on site either for fenceposts and trim, or mulched and used on site for paths and planting beds to the greatest extent practicable. All woody plant material not used on-site will be made available for off-site use, and that none of the woody plant material will be disposed of in a landfill.
 - a. Mandatory
 - b. Documentation Requirement: Provide materials plan including all required components.
- B. Innovative Wastewater Technologies
 - 1. Either (i) reduce the use of municipally-provided potable water for building sewage conveyance by at least 50% over standard usage as of the date of these restrictions, or (ii) treat 100% of wastewater on-site to tertiary standards.
 - a. Optional
 - b. Documentation Requirement: Provide plans or narrative, including calculations of standard usage and reduction, demonstrating compliance with this standard.

C. Water Use Reduction

1. [intentionally omitted]
2. Consider employing strategies that in the aggregate use 30% less potable water than the water use baseline calculated for the building (not including irrigation) after meeting 1992 Energy Policy Act fixture performance requirements.
 - a. Optional
 - b. Documentation Requirement: Provide information regarding all water consuming fixtures with performance compliance; provide a water budget calculation showing reduction calculation.
3. Design roofs to capture at least 50% of the roof area for rainwater harvesting, and provide rainwater collection and storage for at least 1 inch of capture volume, provided, however, that in no event shall the design and construction costs of such facilities be required to exceed a maximum cost of \$4,000 (w/ annual growth rate of 2% from the date of these restrictions) per 10,000 square feet of the roof area.
 - a. Optional
 - b. Documentation Requirement: Provide plans, specifications, and calculations demonstrating compliance with this standard.
4. Design and install roof-mounted HVAC equipment so that any leaking water is contained and captured.
 - a. Optional
 - b. Documentation Requirement: Provide plans showing containment and capture system.
5. Evaluate the feasibility of greywater reuse for internal (in buildings) and external (elsewhere on the Parcel) water demand. Evaluation of external greywater reuse must consider the potential for aquifer contamination in the system design.
 - a. Optional
 - b. Documentation Requirement: Provide narrative regarding the feasibility evaluation.

V. Energy and Atmosphere

A. Fundamental Building Systems Commissioning

1. Implement the following fundamental best practice commissioning procedures: engage a commissioning authority; review design intent and basis of design documentation; include commissioning requirements in the construction documents; develop and utilize a commissioning plan; verify installation, functional performance, training, and documentation; and complete a commissioning report.
 - a. Optional
 - b. Documentation Requirement: Submit a plan or narrative demonstrating compliance with this standard.
- B. Minimum Energy Performance
 1. Design to meet building energy efficiency and performance as required by ASHRAE/IESNA 90.1-1999 or the City's energy code.
 - a. Mandatory
 - b. Documentation Requirement: Provide code analysis & summary table demonstrating compliance.
- C. CFC Reduction in HVAC/R Equipment
 1. Use no CFC-based refrigerants in new building HVAC/R base building systems. When re-using existing base building HVAC/R equipment, complete a comprehensive CFC phaseout conversion.
 - a. Mandatory
 - b. Documentation Requirement: For new buildings provide information regarding CFC-free refrigerants for all HVAC/R equipment. For existing buildings list all existing HVAC/R equipment & copy of phase-out plan.
- D. Optimize Energy Performance
 1. Reduce energy cost by 20% compared to the energy cost budget for regulated energy components described in the requirements of ASHRAE/IESMA Standard 90.1-1999, as demonstrated by a whole building simulation using the Energy Cost Budget Method described in Section 1.1. Regulated energy components include HVAC systems, building envelope, service hot water systems, lighting, and other regulated systems as defined by ASHRAE.
 - a. Mandatory

- b. Documentation Requirement: Provide building simulation and energy cost budget calculations demonstrating compliance with this standard.
- 2. Seek to reduce energy cost by 30% compared to the energy cost budget for regulated energy components described in the requirements of ASHRAE/IESMA Standard 90.1-1999, as demonstrated by a whole building simulation using the Energy Cost Budget Method described in Section 1.1. Regulated energy components include HVAC systems, building envelope, service hot water systems, lighting, and other regulated systems as defined by ASHRAE.
 - a. Optional
 - b. Documentation Requirement: Provide building simulation and energy cost budget calculations demonstrating compliance with this standard.
- 3. Seek to reduce energy cost by 40% compared to the energy cost budget for regulated energy components described in the requirements of ASHRAE/IESMA Standard 90.1-1999, as demonstrated by a whole building simulation using the Energy Cost Budget Method described in Section 1.1. Regulated energy components include HVAC systems, building envelope, service hot water systems, lighting, and other regulated systems as defined by ASHRAE.
 - a. Optional
 - b. Documentation Requirement: Provide building simulation and energy cost budget calculations demonstrating compliance with this standard.
- 4. Seek to reduce energy cost by 50% compared to the energy cost budget for regulated energy components described in the requirements of ASHRAE/IESMA Standard 90.1-1999, as demonstrated by a whole building simulation using the Energy Cost Budget Method described in Section 1.1. Regulated energy components include HVAC systems, building envelope, service hot water systems, lighting, and other regulated systems as defined by ASHRAE.
 - a. Optional
 - b. Documentation Requirement: Provide building simulation and energy cost budget calculations demonstrating compliance with this standard.
- 5. Seek to reduce energy cost by 60% compared to the energy cost budget for regulated energy components described in the requirements of ASHRAE/IESMA Standard 90.1-1999, as demonstrated by a whole building simulation using the Energy Cost Budget Method described in Section 1.1. Regulated energy components include HVAC systems, building envelope, service hot water systems, lighting, and other regulated systems as defined by ASHRAE.

- a. Optional
 - b. Documentation Requirement: Provide building simulation and energy cost budget calculations demonstrating compliance with this standard.
- E. Renewable Energy
- 1. Supply 5% Total Energy Cost through the use of on-site renewable energy systems.
 - a. Optional
 - b. Documentation Requirement: Provide drawings or narrative of energy systems, and include cost calculations.
 - 2. Supply 10% Total Energy Cost through the use of on-site renewable energy systems.
 - a. Optional
 - b. Documentation Requirement: Provide drawings or narrative of energy systems, and include cost calculations.
 - 3. Supply 20% Total Energy Cost through the use of on-site renewable energy systems.
 - a. Optional
 - b. Documentation Requirement: Provide drawings or narrative of energy systems, and include cost calculations.
- F. Additional Commissioning
- 1. In addition to the Fundamental Building Commissioning pre-requisite, implement the following additional commissioning tasks:
 - Conduct a focused review of the design prior to the construction document phase;
 - Conduct a focused review of the construction documents when close to completion;
 - Conduct a selective review of contractor submittals for commissioned equipment;
[the above three reviews must be performed by a firm other than the designer]
 - Develop a recommissioning management manual; and
 - Have a contract in place for a near warranty-end or post-occupancy

review.

- a. Optional
- b. Documentation Requirement: Provide a plan or narrative regarding procedures for review and otherwise demonstrating compliance with this standard.

G. Ozone Depletion

- 1. Install base building level HVAC and refrigeration equipment and fire suppression chemicals and either replace those that contain HCFCs or Halon with an available non-ozone depleting alternative, or use chemicals that might have an ozone depleting potential but nevertheless have a superior TEWI rating, or use some combination of chemicals that in the judgment of the reviewer, and based on current technology, achieves the best environmental result for this goal.
 - a. Mandatory
 - b. Documentation Requirement: Supply lists of relevant equipment and chemicals used demonstrating compliance.

H. Measurement and Verification

- 1. Comply with long-term continuous measurement of performance as stated in Option B: Methods by Technology of the US DOE's International Performance Measurement and Verification Protocol (IPMVP) for the following: lighting systems and controls; constant and variable motor loads; variable frequency drive operations; chiller efficiency at variable loads; cooling load; air and water economizer and heat recovery cycles; air distribution static pressures and ventilation air volumes; boiler efficiencies; building specific process energy efficiency systems and equipment; and indoor water risers and outdoor irrigation systems.
 - a. Optional
 - b. Documentation Requirement: Provide copy of measurement and verification plan and schedule of instrumentation controls for each category.

I. Green Power

If available to serve the Parcel, and if such power, either alone or in combination with conventional power, can be obtained at no more than 110% of the cost of buying only the conventional power available from the same provider, contract to purchase power generated from renewable sources that meet the certification

requirements of the Center for Resource Solutions Green-e products.

- a. Mandatory
- b. Documentation Requirement: Provide information regarding availability of green-e products, costs and calculations, and copy of contract, if applicable.

VI. Materials and Resources

A. Storage and Collection of Recyclables

- 1. Provide an easily accessible area dedicated to separation, collection and storage of recyclable materials including, at a minimum, paper, glass, plastics, and metals.
 - a. Mandatory
 - b. Documentation Requirement: Provide drawings highlighting location of recycling area(s).

B. Building Reuse

- 1. Maintain at least 75% of existing building shells and structures in order to conserve the use of building materials and reduce demolition effects where practicable.
 - a. Optional
 - b. Documentation Requirement: Provide drawings and calculations demonstrating compliance with this standard.
- 2. Maintain 100% of existing building shells and structures in order to conserve the use of building materials and reduce demolition effects where practicable.
 - a. Optional
 - b. Documentation Requirement: Provide drawings and calculations demonstrating compliance with this standard.
- 3. Maintain 100% of existing building shells and structures, as well as 50% of non-shell improvements, in order to conserve the use of building materials and reduce demolition effects where practicable.
 - a. Optional
 - b. Documentation Requirement: Provide drawings and calculations

demonstrating compliance with this standard.

C. Construction Waste Management

1. Recycle and/or salvage at least 50% (by weight) of construction, demolition, and land clearing wastes, including by mulching trees and recycling or reusing topsoil and rocks. Salvage may include donation of materials to charitable organizations.
 - a. Mandatory
 - b. Documentation Requirement: Provide estimated measurements (by weight), calculations, and narrative reports of recycling and salvage activity demonstrating compliance with this standard.
2. Develop and implement a waste management plan to recycle and/or salvage at least 75% (by weight) of construction, demolition, and land clearing wastes. Salvage may include donation of materials to charitable organizations.
 - a. Optional
 - b. Documentation Requirement: Provide estimated measurements (by weight), calculations, and narrative reports of recycling and salvage activity demonstrating compliance with this standard.

D. Resource Reuse

1. Specify salvaged or refurbished materials for at least 5% of the cost of building materials.
 - a. Optional
 - b. Documentation Requirement: Provide specifications and contractor submittals as well as calculations.
2. Specify salvaged or refurbished materials for at least 10% of the cost of building materials.
 - a. Optional
 - b. Documentation Requirement: Provide specifications and contractor submittals as well as calculations.

E. Recycled Content

1. Specify a minimum of 25% of building materials that contain in the aggregate a minimum weighted average of either (i) 20% post-consumer recycled content

material or (ii) 40% post-industrial recycled content material.

- a. Mandatory
- b. Documentation Requirement: Provide requests for bids, specifications, and other information regarding the amount of recycled content materials to be used, and provide calculations demonstrating compliance with the standard.

- 2. Seek to specify a minimum of 50% of building materials that contain in the aggregate a minimum weighted average of either (i) 20% post-consumer recycled content material or (ii) 40% post-industrial recycled content material.

- a. Optional
- b. Documentation Requirement: Provide requests for bids, specifications, and other information regarding the amount of recycled content materials to be used, and provide calculations demonstrating compliance with the standard.

F. Local/Regional Materials

- 1. Specify that a minimum of 20% of building materials used must be manufactured (final assembly) regionally within a radius of 500 miles from the Parcel.

- a. Mandatory
- b. Documentation Requirement: Provide specifications and contractor submittals listing building materials used, source of such materials, and calculations demonstrating compliance with this standard.

- 2. Specify that a minimum of 50% of the regionally-manufactured building materials used must be extracted, harvested, or recovered within a radius of 500 miles from the Parcel.

- a. Optional
- b. Documentation Requirement: Provide specifications and contractor submittals listing building materials used, source of such materials, and calculations demonstrating compliance with this standard.

G. Rapidly Renewable Materials

Specify that at least 5% of the total building materials must be from rapidly renewable sources.

- a. Optional
- b. Documentation Requirement: Provide available documentation from manufacturer regarding rapidly renewable material content/source of products, and provide calculations demonstrating that 5% of building materials are rapidly renewable.

H. Certified Wood

- 1. To the extent that the cost of such wood-based materials exceeds 5% of the total cost of the building, at least 50% of wood-based materials must be certified in accordance with the Forestry Stewardship Council guidelines for wood building components, including, but not limited to, structural framing and general dimensional framing, flooring, finishes, furnishings, and non-rented temporary construction applications such as bracing, concrete form work, and pedestrian barriers.
 - a. Mandatory
 - b. Documentation Requirement: Provide wood certification information from manufacturer, and calculations demonstrating compliance with this standard.

VII. Indoor Environmental Quality

A. Minimum IAQ Performance

- 1. Meet the minimum requirements of voluntary consensus standard ASHRAE 62-1999, Ventilation for Acceptable Indoor Air Quality and approved addenda.
 - a. Mandatory
 - b. Documentation Requirement: Provide approval from qualified reviewer demonstrating compliance with this standard.

B. Environmental Tobacco Smoke Control

Prohibit smoking in the building altogether, or limit smoking to a designated smoking room designed to effectively contain, capture, and remove all Environmental Tobacco Smoke (ETS) from the building (which may be accomplished by, at a minimum, direct exhaust from the smoking room to the outdoors with no recirculation of air containing ETS).

- a. Mandatory

- b. Documentation Requirement: Provide letter from owner verifying building policy prohibiting smoking, or, if a smoking room is designated, provide plans for ventilation demonstrating compliance with this standard.

C. Carbon Dioxide (CO2) Monitoring

- 1. Install a permanent CO2 monitoring system with feedback on space ventilation performance in a form that affords operational adjustments. Specify initial operational set point parameters to maintain indoor CO2 levels no higher than outdoor levels by more than 530 ppm.
 - a. Optional
 - b. Documentation Requirement: Provide drawings and specifications of CO2 monitoring system, and narrative describing initial operation set point parameters.

D. Increase Ventilation Effectiveness

- 1. For mechanically ventilated buildings, design ventilation systems that result in air change effectiveness of at least 0.9 based on ASHRAE 129-1997. For naturally ventilated spaces, demonstrate a distribution and laminar flow pattern that involves at least 90% of the room or zone area in the direction of air flow for at least 95% of the hours of occupancy.
 - a. Mandatory
 - b. Documentation Requirement: For mechanically ventilated space, provide report summarizing test results, calculations, and design narrative. For naturally ventilated space, provide airflow simulation results including inlets, outlets & flow patterns demonstrating compliance with this standard.

E. Construction IAQ Management Plan

- 1. During construction, (i) meet or exceed the minimum requirements of the Sheet Metal and Air Conditioning National Contractors Association (SMACNA) IAQ Guideline for Occupied Buildings under Construction, 1995, (ii) protect stored on-site or installed absorptive materials from moisture damage, and (iii) replace air filtration media immediately prior to occupancy. Filtration media must have a Minimum Efficiency Reporting Value (MERV) of 13, as determined by ASHRAE 52.2-1999.
 - a. Mandatory
 - b. Documentation Requirement: Provide copy of construction IAQ

management plan with explanation regarding SMACNA guidelines compliance, provide photographs or narratives of construction measures to protection absorptive materials, and provide information regarding MERV and replacement of filtration media.

2. Institute a plan to conduct a minimum 2-week building flushout with new filtration media at 100% outside air after construction ends and prior to occupancy, or conduct a baseline indoor air quality testing procedure consistent with current EPA Protocol for Environmental Requirements, Baseline IAQ and Materials, Research Triangle Park Campus, Section 01445.
 - a. Optional
 - b. Documentation Requirement: Provide copy of plan, including letter from qualified reviewer describing building flushout procedures and schedules, with reasonable documentation demonstrating conformance with testing procedures and requirements as described in the referenced standard.

F. Low-Emitting Materials

1. Use only adhesives that meet or exceed the VOC limits of South Coast Air Quality Management District Rule #1168. All sealants used as a filler must meet or exceed Bay Area Air Resources Board Regulation 8, Rule 51.
 - a. Mandatory
 - b. Documentation Requirement: Provide a Material Safety Data Sheet (MSDS) for each adhesive and sealant used in the building, showing VOC limits.
2. Use only paints and coatings that meet or exceed the Green Seal Certification specifications with regard to low or no VOC.
 - a. Mandatory
 - b. Documentation Requirement: Provide Material Safety Data Sheets (MSDS) for each paint and coating used in the building showing VOC limits, and provide Green Seal Certification specifications, with a comparison of VOC content.
3. Use only carpet systems that meet or exceed the Carpet and Rug Institute Green Label Indoor Air Quality Test Program.
 - a. Mandatory
 - b. Documentation Requirement: Provide information regarding each carpet

demonstrating compliance with this standard.

4. Use composite wood and agrifiber products that contain no added urea-formaldehyde resins.
 - a. Mandatory
 - b. Documentation Requirement: Provide information regarding each composite wood or agrifiber products used in the building, highlighting urea-formaldehyde resin limits.
- G. Indoor Chemical and Pollutant Source Control
 1. Design to minimize cross-contamination of regularly occupied areas by chemical pollutants, including by employing permanent entryway systems (such as grills and grates) to prevent dirt, particulates, etc. from entering the building at all high volume entryways.
 - a. Mandatory
 - b. Documentation Requirement: Provide drawings and narratives describing entryway systems, and effect on preventing particulate entry.
- H. Controllability of Systems
 1. [intentionally omitted]
 2. Provide controls for each individual airflow, temperature, and lighting for 50% of the non-perimeter, regularly occupied areas.
 - a. Optional
 - b. Documentation Requirement: Provide drawings showing controls, and calculations.
- I. Thermal Comfort
 1. Comply with ASHRAE 55-1992, Addenda 1995, for thermal comfort standards including humidity control within established ranges per climate zone.
 - a. Mandatory
 - b. Documentation Requirement: Provide letter from qualified reviewer confirming compliance with standard.
 2. Install a permanent temperature and humidity monitoring system configured to

provide operators control over thermal comfort performance and effectiveness of humidification and/or dehumidification systems in the building.

a. Optional

b. Documentation Requirement: Provide drawings and specifications showing installed system, and a narrative describing operator control.

J. Daylight and Views

1. Achieve a minimum Daylight Factor of 2% (excluding direct sunlight penetration) in 75% of all space occupied for critical visual tasks, excluding copy rooms, storage areas, mechanical, laundry, and other low occupancy support areas, and also excluding spaces where tasks would be hindered by use of daylight or where accomplishing specific tasks within a space would be enhanced by direct penetration of sunlight.

a. Mandatory

b. Documentation Requirement: Provide drawings with narrative highlighting critical visual task areas, calculations demonstrating minimum Daylight Factor of 2% in these areas.

2. Direct the line of sight to vision glazing from 90% of all regularly occupied spaces, not including copy rooms, storage areas, mechanical, laundry, and other low occupancy support areas.

a. Optional

b. Documentation Requirement: Provide drawings with narrative demonstrating compliance with this standard.

Part Three. Innovation and Design Process. Following are additional design and performance requirements for all of the Parcels that will also serve to conserve water, improve the quality of stormwater runoff, protect the aquifer, and preserve the natural landscape.

1. With the exception of any rainwater harvesting, for any underground storage tank system located on any Parcel, tertiary containment must be provided, unless otherwise provided by the City, which tertiary barrier must consist of an artificially constructed material that is sufficiently thick and impermeable to direct a release to a monitoring point and permit its detection. All such underground storage tank systems must include a monitoring and detection system able to detect a release, which monitoring and detection system must be located between the walls of the double walled tank and the piping sump.

- a. Mandatory
 - b. Documentation Requirement: Drawings and specifications indicating tertiary containment and the required monitoring system.
2. Unless the City fails to provide water service to a Parcel, no additional water wells will be drilled or developed on the Parcels (with the exception of the Parcel for which no City service is available).
- a. Mandatory
 - b. Documentation Requirement: If necessary, documentation of the City's failure to provide water service.
3. Expand land use compatibility buffer areas beyond the requirements of applicable City zoning ordinances.
- a. Optional
 - b. Documentation Requirement: Provide narrative regarding required and achieved buffer areas, including calculations.
4. All plantings will be from plants listed on Appendices A and B, and no plantings will be from the plant species shown on Appendix C. The ratio of plantings from Appendices A and B will be 70/30.
- a. Mandatory
 - b. Documentation Requirement: Maintain list of species planted that can be checked against Appendix C for compliance with this standard.

Common Name	Genus / Species	Family	K
1. Highly recommended - commercially available			
2. Recommended - available through specialty outlets			
3. Recommended - may not be readily available			
Afinador	<i>Mortonia greggii</i>	Celastraceae	3
Agarita	<i>Mahonia trifoliolata</i> (<i>Berberis trifoliolata</i>)	Berberidaceae	2
Alabama Lipfern	<i>Cheilanthes alabamensis</i>	Pteridaceae	3
American Beautyberry	<i>Callicarpa americana</i>	Verbenaceae	1
American Brooklime	<i>Veronica americana</i>	Scrophulariaceae	2
American Elm	<i>Ulmus americana</i>	Ulmaceae	1
American Sycamore	<i>Platanus occidentalis</i>	Platanaceae	3
American Water-willow	<i>Justicia americana</i>	Acanthaceae	3
Annual Pennyroyal	<i>Hedeoma acinoides</i>	Lamiaceae	2
Antelope-horns	<i>Asclepias asperula</i> ssp. <i>capricornu</i>	Asclepiadaceae	3
Aperajo Muhly	<i>Muhlenbergia utilis</i>	Poaceae	3
Arizona ash	<i>Fraxinus velutina</i>	Oleaceae	3
Arizona Walnut	<i>Juglans major</i>	Juglandaceae	3
Ashe Juniper	<i>Juniperus ashei</i>	Cupressaceae	2
Autumn Sage	<i>Salvia greggii</i>	Lamiaceae	3
Baby Blue-eyes	<i>Nemophila phacelioides</i>	Hydrophyllaceae	3
Bald Cypress	<i>Taxodium distichum</i>	Cupressaceae	3
Balsam Gourd	<i>Ibervillea lindheimeri</i>	Cucurbitaceae	1
Bandana-of-the-Everglades	<i>Canna flaccida</i>	Liliaceae	3
Barbados Cherry	<i>Malpighia glabra</i>	Malpighiaceae	2
Barbara's Buttons	<i>Marshallia caespitosa</i>	Asteraceae	2
Barreta	<i>Helietta parvifolia</i>	Rutaceae	3
Basket Flower	<i>Centaurea americana</i>	Asteraceae	2
Beaked Spikerush	<i>Eleocharis rostellata</i>	Cyperaceae	3
Bearded Swallow-wort	<i>Cynanchum barbigerum</i>	Asclepiadaceae	3
Bee Brush	<i>Aloysia gratissima</i>	Verbenaceae	2
Beggar's Tick	<i>Torilis arvensis</i>	Apiaceae	2
Bermuda Blue-eyed Grass	<i>Sisyrinchium angustifolium</i>	Iridaceae	3
Big Bluestem	<i>Andropogon gerardii</i>	Poaceae	2
Big Love Nolana	<i>Nolina bigelovii</i>	Liliaceae	2
Big Red Sage	<i>Salvia penstemonoides</i>	Lamiaceae	2
Bigtooth Maple	<i>Acer grandidentatum</i>	Aceraceae	3
Bindweed	<i>Convolvulus equitans</i>	Convolvulaceae	2
Black Bog-rush	<i>Schoenus nigricans</i>	Cyperaceae	2
Black Cherry	<i>Prunus serotina</i>	Rosaceae	3
Black Dalea	<i>Dalea frutescens</i>	Fabaceae	2
Black Willow	<i>Salix nigra</i>	Salicaceae	3
Black-eyed Susan	<i>Rudbeckia hirta</i>	Asteraceae	2
Blackfoot Daisy	<i>Melampodium leucanthum</i>	Asteraceae	3
Bladderwort	<i>Utricularia gibba</i>	Lentibulariaceae	3
Blanco Crabapple	<i>Malus ioensis</i> var. <i>texana</i>	Rosaceae	2
Blue Curts	<i>Phacelia congesta</i>	Hydrophyllaceae	3
Blue Funnel-lily	<i>Androstaphyllum caeruleum</i>	Liliaceae	3
Blue Gilia, Prick-leaf Gilia	<i>Gilia rigidula</i> ssp. <i>rigidula</i>	Polemoniaceae	2
Blue grama	<i>Bouteloua gracilis</i>	Poaceae	1
Blue Mistflower	<i>Conoclinium coelestinum</i> (<i>Eupatorium coelestinum</i>)	Asteraceae	1
Blue Morning Glory	<i>Ipomoea lindheimeri</i>	Convolvulaceae	2
Blue Mud Plantain	<i>Heteranthera limosa</i>	Pontederiaceae	2
Blue shrub Sage	<i>Salvia ballotiflora</i>	Lamiaceae	2
Blue Threeawn	<i>Aristida purpurea</i> var. <i>nealleyi</i>	Poaceae	3
Bluebell	<i>Eustoma exaltatum</i> ssp. <i>russellianum</i> (<i>E. grandiflorum</i>)	Gentianaceae	3
Bluebonnet	<i>Lupinus texensis</i>	Fabaceae	3
Bluet	<i>Hedyotis nigricans</i>	Rubiaceae	3
Blunt-lobed Cliff Fern	<i>Woodsia obtusa</i>	Dryopteridaceae	3
Bols d'Arc, Osage Orange	<i>Maclura pomifera</i>	Moraceae	3
Box Elder	<i>Acer negundo</i>	Aceraceae	3
Branched Dilliptera	<i>Didiplera brachiata</i>	Acanthaceae	1
Brazilwood	<i>Condalia hookeri</i>	Rhamnaceae	3
Broom Snake-weed	<i>Gutierrezia sarothrae</i> (<i>Xanthocephalum sarothrae</i>)	Asteraceae	3

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Common Name	Genus / Species	Family	K
Broomweed	<i>Amphicarpis dracunculoides</i> (<i>Xanthocephalum dracunculoides</i>)	Asteraceae	3
Buffalograss	<i>Buchloe dactyloides</i>	Poaceae	1
Bulbous Adder's-Tongue Fern	<i>Ophioglossum crotalophoroides</i>	Ophioglossaceae	3
Bull Muhly	<i>Muhlenbergia emersleyi</i>	Poaceae	1
Bunch-grass	<i>Nolina texana</i>	Liliaceae	3
Bundleflower	<i>Desmanthus illinoensis</i>	Fabaceae	1
Bur oak	<i>Quercus macrocarpa</i>	Fagaceae	2
Bush Croton	<i>Croton fruticosus</i>	Euphorbiaceae	3
Bush Sunflower	<i>Simsia calva</i>	Asteraceae	2
Bushy Bluestem	<i>Andropogon glomeratus</i>	Poaceae	2
Bushy Skullcap	<i>Scutellaria wrightii</i>	Lamiaceae	2
Butterfly Weed	<i>Asclepias tuberosa</i>	Asclepiadaceae	2
Butterweed	<i>Packera tampicana</i> (<i>Senecio imparipinnatus</i>)	Asteraceae	2
Buttonbush	<i>Cephalanthus occidentalis</i>	Rubiaceae	2
California Loosestrife	<i>Lythrum californicum</i>	Lythraceae	3
Camphor Weed	<i>Heterotheca subaxillaris</i> (<i>H. latifolia</i>)	Asteraceae	3
Canada Wild Rye	<i>Elymus canadensis</i>	Poaceae	1
Canyon Muhly	<i>Muhlenbergia x involuta</i> (hybrid in nature)	Poaceae	3
Cardinal Feather	<i>Acalypha radians</i>	Euphorbiaceae	2
Cardinal Flower	<i>Lobelia cardinalis</i>	Campanulaceae	1
Carolina Basswood	<i>Tilia americana</i> var. <i>caroliniana</i>	Tiliaceae	3
Carolina Buckthorn	<i>Frangula caroliniana</i> (<i>Rhamnus caroliniana</i>)	Rhamnaceae	3
Carolina Jessamine	<i>Gelsemium sempervirens</i>	Loganiaceae	3
Carolina Joint-tail	<i>Coelorachis cylindrica</i>	Poaceae	3
Carolina Modiola	<i>Modiola caroliniana</i>	Malvaceae	2
Carolina Silverbell	<i>Halesia carolina</i>	Styracaceae	3
Carolina Snailseed	<i>Cocculus carolinus</i>	Menispermaceae	3
Carolina Wolfberry	<i>Lycium carolinianum</i> var. <i>quadrifidum</i>	Solanaceae	2
Catclaw	<i>Acacia greggii</i> var. <i>wrightii</i> (<i>A. wrightii</i>)	Fabaceae	2
Cat-claw Mimosa	<i>Mimosa aculeaticarpa</i> var. <i>biuncifera</i> (<i>M. biuncifera</i>)	Fabaceae	2
Cedar Elm	<i>Ulmus crassifolia</i>	Ulmaceae	3
Cedar Sage	<i>Salvia roemeriana</i>	Lamiaceae	2
Cedar Sedge	<i>Carex planostachys</i>	Cyperaceae	2
Chatterbox Orchid	<i>Epipactis gigantea</i>	Orchidaceae	2
Cherokee Sedge	<i>Carex cherokeensis</i>	Cyperaceae	2
Chile Pepper	<i>Capsicum annuum</i>	Solanaceae	1
Chile Piquin	<i>Capsicum annuum</i> var. <i>glabriusculum</i>	Solanaceae	3
Chinkapin	<i>Quercus muhlenbergii</i>	Fagaceae	2
Chintul	<i>Cyperus articulatus</i>	Cyperaceae	3
Chisme	<i>Portulaca pilosa</i>	Portulacaceae	3
Chocolate Daisy	<i>Berlandiera lyrata</i>	Asteraceae	1
Clammyweed	<i>Polanisia dodecandra</i>	Capparaceae	3
Clapweed	<i>Ephedra antisiphilitica</i>	Ephedraceae	3
Cluster Beak-rush	<i>Rhynchospora glomerata</i>	Cyperaceae	2
Coastal Water-hyssop	<i>Bacopa monnieri</i>	Scrophulariaceae	2
Common Sbweeks Grass	<i>Vulpia octiflora</i>	Poaceae	1
Common Water Nymph, Najas	<i>Najas guadalupensis</i>	Najadaceae	3
Compact Prairie Clover	<i>Dalea compacta</i> var. <i>pubescens</i> (<i>Petalostemon pulcherrimus</i>)	Fabaceae	3
Compassplant	<i>Stiphium lancinatum</i>	Asteraceae	2
Copper Lily	<i>Habenaria tubispathus</i> (<i>H. texensis</i>)	Liliaceae	3
Coral Bean	<i>Erythrina herbacea</i>	Fabaceae	3
Coral Berry	<i>Symphoricarpos orbiculatus</i>	Caprifoliaceae	3
Coral Honeysuckle	<i>Lonicera sempervirens</i>	Caprifoliaceae	3
Cow-itch Vine	<i>Cissus trifoliata</i> (<i>C. incisa</i>)	Vitaceae	3
Cowpen daisy	<i>Verbesina encelioides</i>	Asteraceae	2
Creek Plum	<i>Prunus rivularis</i>	Rosaceae	1
Creek Sedge	<i>Carex amphibola</i>	Cyperaceae	3
Creek Sedge	<i>Carex blanda</i>	Cyperaceae	2
Crossvine	<i>Ignomia capreolata</i>	Bignoniaceae	1

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Crow Poison	<i>Nothoscoordum bivalve</i>	Liliaceae	2
Cut-leaf Evening Primrose	<i>Oenothera lachniata</i>	Onagraceae	2
Cut-leaf Gilia	<i>Gilia incisa</i>	Polemoniaceae	2
Cutleaf Penstemon	<i>Penstemon baccharifolius</i>	Scrophulariaceae	2
Damianita	<i>Chrysactinia mexicana</i>	Asteraceae	2
Davis Mountain Sage	<i>Salvia reptans</i>	Lamiaceae	2
Day Flower	<i>Commelina erecta</i> var. <i>erecta</i>	Commelinaceae	3
Dayflower	<i>Commelina erecta</i>	Commelinaceae	3
Death Camas	<i>Zigadenus nuttallii</i>	Liliaceae	3
Deer Muhly	<i>Muhlenbergia rigens</i>	Poaceae	3
Desert willow	<i>Chilopsis linearis</i>	Bignoniaceae	2
Desert Yaupon	<i>Schaefferia cuneifolia</i>	Celastraceae	2
Devil's Shoestring	<i>Nolina lindheimeriana</i>	Liliaceae	1
Disc Water-hyssop	<i>Bacopa rotundifolia</i>	Scrophulariaceae	3
Downy Thistle	<i>Datura innoxia</i>	Solanaceae	2
Drummond Phlox	<i>Phlox drummondii</i>	Polemoniaceae	2
Drummond's Skullcap	<i>Scutellaria drummondii</i>	Lamiaceae	3
Drummond's Wild Petunia	<i>Ruellia drummondiana</i>	Acanthaceae	3
Drummond's Wood-Sorrel	<i>Oxalis drummondii</i>	Oxalidaceae	3
Dutchman's Breeches	<i>Thamnosma texana</i>	Rutaceae	3
Dwarf Palmetto	<i>Sabal minor</i>	Arecaceae	2
Eastern Cottonwood	<i>Populus deltoides</i>	Salicaceae	3
Eastern Gamagrass	<i>Tripsacum dactyloides</i>	Poaceae	3
Elderberry	<i>Sambucus nigra</i> ssp. <i>canadensis</i> (S. <i>canadensis</i>)	Caprifoliaceae	3
Edward's Spiderwort	<i>Tradescantia edwardsiana</i>	Commelinaceae	3
Elbowbush	<i>Forestiera pubescens</i>	Oleaceae	2
Emory Sedge	<i>Carex emoryi</i>	Cyperaceae	3
Engelmann's Sage	<i>Salvia engelmannii</i>	Lamiaceae	1
Engelmann's Daisy	<i>Engelmannia peristeria</i> (E. <i>pinnatifida</i>)	Asteraceae	3
Erect Bouchetia	<i>Bouchetia erecta</i>	Solanaceae	2
Eryngo	<i>Eryngium leavenworthii</i>	Aplaceae	2
Escarpment Live Oak	<i>Quercus fusiformis</i>	Fagaceae	3
Escobilla	<i>Buddleia scoroides</i>	Buddlejaceae	3
Evergreen Sumac	<i>Rhus virens</i>	Anacardiaceae	2
Eve's Necklace	<i>Sophora affinis</i>	Fabaceae	1
Fall Aster	<i>Symphotrichum oblongifolium</i> (Aster <i>oblongifolius</i>)	Asteraceae	2
Fall Gumweed	<i>Grindelia lanceolata</i>	Asteraceae	3
False Aloe	<i>Manfreda virginica</i> (Polianthes <i>virginica</i>)	Agavaceae	2
False Day-flower	<i>Tinantia anomala</i> (Commelinantia <i>anomala</i>)	Commelinaceae	3
False Dragon-head	<i>Physostegia angustifolia</i>	Lamiaceae	3
False Gromwell	<i>Onosmodium molle</i> ssp. <i>bejariense</i> (O. <i>bejariense</i>)	Boraginaceae	3
False Indigo	<i>Amorpha fruticosa</i>	Fabaceae	3
False Nightshade	<i>Chamaesaracha coniodes</i>	Solanaceae	3
False Willow	<i>Baccharis neglecta</i>	Asteraceae	3
Fiddlewood	<i>Citharexylum berlandieri</i>	Verbenaceae	3
Flame Acanthus	<i>Anisacanthus quadrifidus</i> var. <i>wrightii</i> (A. <i>wrightii</i>)	Acanthaceae	1
Flame-flower	<i>Talinum aurantiacum</i>	Portulacaceae	2
Flame-leaf Sumac	<i>Rhus lanceolata</i>	Anacardiaceae	1
Flecha de Agua	<i>Sagittaria longiloba</i>	Alismataceae	3
Fluttermill	<i>Oenothera macrocarpa</i> ssp. <i>macrocarpa</i> (O. <i>missouriensis</i>)	Onagraceae	3
Four Nerve Daisy, Bitterweed	<i>Tetaneuris scaposa</i>	Asteraceae	3
Four Nerve Daisy, Bitterweed	<i>Tetaneuris scaposa</i> var. <i>scaposa</i> (Hymenoxys <i>scaposa</i>)	Asteraceae	2
Foxglove, Prairie Beard-tongue	<i>Penstemon cobaea</i>	Scrophulariaceae	2
Fragrant Sedge	<i>Cyperus odoratus</i>	Cyperaceae	3
Fragrant Sumac	<i>Rhus aromatica</i>	Anacardiaceae	1
Frank's Sedge	<i>Carex frankii</i>	Cyperaceae	3
Fringed Bluestar	<i>Amsonia ciliata</i>	Apocynaceae	3
Fringed Raccoon	<i>Limonium incisum</i>	Boraginaceae	2

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Common Name	Genus / Species	Family	K
Frostweed	<i>Verbesina virginica</i>	Asteraceae	2
Garden Tomato	<i>Solanum lycopersicum</i> var. <i>cerasiforme</i>	Solanaceae	2
Gayfeather	<i>Liatris mucronata</i>	Asteraceae	3
Giant Blue Sage	<i>Salvia azurea</i>	Lamiaceae	2
Giant Bulrush	<i>Schoenoplectus californicus</i> (<i>Scirpus californicus</i>)	Cyperaceae	3
Giant Coneflower	<i>Rudbeckia maxima</i>	Asteraceae	2
Giant Ragweed	<i>Ambrosia trifida</i> var. <i>texana</i>	Asteraceae	3
Giant Spiderwort	<i>Tradescantia gigantea</i>	Commelinaceae	2
Golden Dalea	<i>Dalea aurea</i>	Fabaceae	2
Golden Groundsel	<i>Packera obovata</i> (<i>Senecio obovatus</i>)	Asteraceae	3
Golden Wave	<i>Coreopsis tinctoria</i>	Asteraceae	2
Goldenball Leadtree	<i>Leucaena retusa</i>	Fabaceae	1
Golden-Eye Phlox	<i>Phlox roemeriana</i>	Polemoniaceae	1
Grass Leaf Rush	<i>Juncus marginatus</i>	Juncaceae	3
Gray Golden Aster	<i>Heterotheca canescens</i>	Asteraceae	3
Gray Vervain	<i>Verbena canescens</i>	Verbenaceae	3
Great Leadtree	<i>Leucaena pulverulenta</i>	Fabaceae	2
Green ash	<i>Fraxinus pennsylvanica</i>	Oleaceae	1
Green Dragon	<i>Arisaema dracontium</i>	Araceae	3
Green Hawthorn	<i>Crataegus viridis</i>	Rosaceae	3
Green Lily	<i>Schoenocaulon texanum</i>	Liliaceae	3
Green Milkweed	<i>Asclepias viridis</i>	Asclepiadaceae	3
Greenthread	<i>Thelesperma filifolium</i>	Asteraceae	3
Greenthread	<i>Thelesperma filifolium</i> var. <i>filifolium</i>	Asteraceae	3
Gregg Dalea	<i>Dalea greggii</i>	Fabaceae	2
Gregg's Hawthorn	<i>Crataegus greggiana</i>	Rosaceae	3
Ground Plum	<i>Astragalus crassicaulis</i>	Fabaceae	3
Gulf Muhly	<i>Muhlenbergia capillaris</i>	Poaceae	2
Gulf-coast Penstemon	<i>Penstemon tenuis</i>	Scrophulariaceae	2
Gum Elastic	<i>Scleroxylon lanuginosum</i> ssp. <i>lanuginosum</i> (<i>Bumelia lanuginosa</i>)	Sapotaceae	2
Hairy Grama	<i>Bouteloua hirsuta</i>	Poaceae	3
Hairy Grama	<i>Bouteloua hirsuta</i> var. <i>pectinata</i> (<i>B. pectinata</i>)	Poaceae	3
Hairy Hydrolea	<i>Hydrolea ovata</i>	Hydrophyllaceae	3
Hairy Tridens	<i>Erioneuron pilosum</i>	Poaceae	3
Hairy Waterclover	<i>Marsilea vestita</i>	Marsileaceae	2
Hairy-fruit Chervil	<i>Cheerophyllum tainturieri</i> var. <i>tainturieri</i>	Aplaceae	3
Heart-leaf Four-O'clock	<i>Mirabilis nyctaginea</i>	Nyctaginaceae	3
Heart-leaf Skullcap	<i>Scutellaria ovata</i> ssp. <i>bracteata</i>	Lamiaceae	2
Heath Aster	<i>Symphotrichum ericoides</i> var. <i>ericoides</i> (<i>Aster ericoides</i>)	Asteraceae	2
Hedgehog Cactus	<i>Thelocactus setispinus</i> (<i>Ferocactus setispinus</i>)	Cactaceae	3
Herbertia	<i>Herbertia lahue</i> ssp. <i>caerulea</i>	Iridaceae	3
Hierba de Zizotes	<i>Asclepias oenotheroides</i>	Asclepiadaceae	3
Hilly Sandwort	<i>Arenaria benthamii</i>	Caryophyllaceae	3
Hoary Yucca	<i>Yucca schottii</i>	Agavaceae	3
Hooded Blue Violet	<i>Viola sororia</i>	Violaceae	3
Hop Tree	<i>Ptelea trifoliata</i>	Rutaceae	3
Hop-hornbeam Copperleaf	<i>Acalypha ostryifolia</i>	Euphorbiaceae	3
Horned Beakrush	<i>Rhynchospora corniculata</i>	Cyperaceae	3
Horse-crippler	<i>Echinocactus texensis</i>	Cactaceae	2
Horsemint	<i>Monarda citriodora</i>	Lamiaceae	2
Horsetail	<i>Equisetum laevigatum</i>	Equisetaceae	3
Horsetail, Scouring Rush	<i>Equisetum hyemale</i>	Equisetaceae	3
Hudson Flax	<i>Linum hudsonioides</i>	Linaceae	3
Huisache	<i>Acacia farnesiana</i>	Fabaceae	3
Huisache Daisy	<i>Amblyolepis setigera</i> (<i>Helenium setigerum</i>)	Asteraceae	3
Indian Apple, Angel Trumpet	<i>Datura wrightii</i>	Solanaceae	2
Indian Blanket	<i>Gaillardia puchella</i>	Asteraceae	2
Indian Mallow	<i>Abutilon fruticosum</i>	Malvaceae	3
Indian Mallow, Heliotrop	<i>Abutilon fruticosum</i>	Malvaceae	2

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Indian Paintbrush	<i>Castilleja indivisa</i>	Scrophulariaceae	3
Indian plantain	<i>Amorpha canescens</i>	Asteraceae	3
Indigo Spires Salvia	<i>Salvia 'Indigo Spires'</i>	Lamiaceae	2
Inland Sea Oats	<i>Chasmanthium latifolium</i>	Poaceae	2
Jamaica Sawgrass	<i>Cladium mariscus ssp. jamaicense (C. jamaicense)</i>	Cyperaceae	3
KEYCODE			
Knotty Pondweed	<i>Potamogeton nodosus</i>	Potamogetonaceae	1
Lace Cactus	<i>Echinocereus reichenbachii</i>	Cactaceae	3
Lacey oak	<i>Quercus laceyi (Q. glaucoidea)</i>	Fagaceae	2
Lady Bird's Centaury	<i>Centaurea texensis</i>	Gentianaceae	2
Lady's Tresses	<i>Spiranthes cernua</i>	Orchidaceae	3
Lance-leaf Burhead	<i>Echinodorus cordifolius</i>	Alismaceae	3
Lance-leaved Coreopsis	<i>Coreopsis lanceolata</i>	Asteraceae	2
Large Buttercup	<i>Ranunculus macranthus</i>	Ranunculaceae	1
Lazy Daisy	<i>Apanostephus riddellii</i>	Asteraceae	2
Least Daisy	<i>Chaetopappa asteroides</i>	Asteraceae	3
Leather Stem	<i>Jatropha dioica</i>	Euphorbiaceae	2
Limerock Brookweed	<i>Samolus ebracteatus ssp. cuneatus</i>	Primulaceae	3
Limestone gaura	<i>Gaura calcicola</i>	Onagraceae	2
Limnophilus	<i>Hedeoma drummondii</i>	Lamiaceae	3
Lindheimer Muhly	<i>Muhlenbergia lindheimeri</i>	Poaceae	1
Lindheimer Silk-tassel	<i>Garrya ovata ssp. lindheimeri</i>	Cornaceae	2
Lindheimer's Indigo	<i>Indigofera lindheimeriana</i>	Fabaceae	2
Lindheimer's Senna	<i>Senna lindheimeriana (Cassia lindheimeriana)</i>	Fabaceae	2
Little Barley	<i>Hordeum pusillum</i>	Poaceae	2
Little Bluestem	<i>Schizachyrium scoparium</i>	Poaceae	3
Little Nipple Cactus	<i>Mammillaria heyderi var. heyderi</i>	Cactaceae	2
Lizard Tail	<i>Saururus cernuus</i>	Saururaceae	1
Longspike Silver Bluestem	<i>Bothriochloa longipaniculata</i>	Poaceae	3
Low Bladderpod	<i>Lesquerella densiflora</i>	Brassicaceae	3
Low Verbena	<i>Glandularia pumila (Verbena pumila)</i>	Verbenaceae	3
Low Wild Mercury	<i>Argythamnia humilis var. humilis</i>	Euphorbiaceae	3
Low Wild Petunia	<i>Ruellia humilis</i>	Acanthaceae	2
Lyre-leaf Sage	<i>Salvia lyrata</i>	Lamiaceae	2
Maidenhair Fern	<i>Adiantum capillus-veneris</i>	Pteridaceae	3
Malta Star-thistle	<i>Centaurea melitensis</i>	Asteraceae	3
Marble Seed	<i>Onosmodium helleri</i>	Boraginaceae	3
Marsh Flat Sedge	<i>Cyperus pseudovegetus</i>	Cyperaceae	3
Marsh Fleabane	<i>Pluchea odorata var. odorata (P. purpurascens)</i>	Asteraceae	2
Marsh Obedient-plant	<i>Physostegia intermedia</i>	Lamiaceae	3
Marsh-elder	<i>Iva annua</i>	Compositae	3
Maximilian Sunflower	<i>Helianthus maximiliani</i>	Asteraceae	3
Meadow Sedge	<i>Carex perdetata</i>	Cyperaceae	2
Mealy Blue Sage	<i>Salvia farinacea</i>	Lamiaceae	1
Mesquite	<i>Prosopis glandulosa</i>	Fabaceae	1
Mexican Buckeye	<i>Ungnadia speciosa</i>	Sapindaceae	2
Mexican Feathergrass	<i>Nassella tenuissima</i>	Poaceae	3
Mexican Flowering Fern	<i>Anemia mexicana</i>	Anemiaceae	3
Mexican Hat	<i>Ratibida columnifera (R. columnaris)</i>	Asteraceae	1
Mexican Plum	<i>Prunus mexicana</i>	Rosaceae	3
Mexican redbud	<i>Cercis canadensis var. mexicana</i>	Fabaceae	2
Milkvine	<i>Malelea reticulata</i>	Asclepiadaceae	2
Missouri Primrose	<i>Oenothera macrocarpa ssp. incana (O. missouriensis ssp. incana)</i>	Onagraceae	2
Missouri Violet	<i>Viola missouriensis</i>	Violaceae	3
Mock Orange	<i>Philadelphus emestii</i>	Saxifragaceae	2
Mountain Pink	<i>Centaurea beyrichii</i>	Gentianaceae	3
Mountain Sage	<i>Salvia regia</i>	Lamiaceae	1
Mouse Ears	<i>Bernardia myricifolia</i>	Euphorbiaceae	3
Mustang Grape	<i>Vitis mustangensis</i>	Vitaceae	2
Narrow Leaf Coneflower	<i>Echinacea angustifolia</i>	Asteraceae	3
Narrow Leaf Dayflower	<i>Quinnia brevis var. angustifolia</i>	Convolvulaceae	3

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Narrow-leaf Goldshower	<i>Galphimia angustifolia</i> (Thryallis angustifolia)	Malpighiaceae	3
Narrow-leaf Sumpweed	<i>Iva angustifolia</i>	Compositae	3
Narrow-leaf Water Primrose	<i>Ludwigia octovalvis</i>	Onagraceae	2
Navaho Tea	<i>Thelesperma simplicifolium</i>	Asteraceae	3
Nerve Ray	<i>Tetragonotheca texana</i>	Asteraceae	1
Netleaf Hackberry	<i>Celtis laevigata</i> var. <i>reticulata</i>	Ulmaceae	3
Nipple Cactus	<i>Coryphantha sulcata</i>	Cactaceae	3
Nipple Cactus	<i>Coryphantha sulcata</i> var. <i>sulcata</i>	Cactaceae	3
Nogalito	<i>Juglans microcarpa</i>	Juglandaceae	3
Oakwoods Ponyfoot	<i>Dichondra recurvata</i>	Convolvulaceae	3
Old Plainsman	<i>Hymenopappus artemisiaefolius</i>	Asteraceae	2
Oldfield Threawn	<i>Aristida oligantha</i>	Poaceae	3
Opposite-leaf Spotflower	<i>Acmella oppositifolia</i> var. <i>repens</i> (<i>Spilanthes americana</i>)	Asteraceae	3
Orchid Tree	<i>Bauhinia lunarioides</i>	Fabaceae	2
Ovate-leaf Cliffbrake	<i>Pellaea ovata</i>	Pteridaceae	3
Palm-leaf Mistflower	<i>Conoclinium greggii</i> (<i>Eupatorium greggii</i>)	Asteraceae	2
Park's Nailwort	<i>Paronychia virginica</i>	Caryophyllaceae	3
Parralena, Dyssodia	<i>Thymophylla pentachaeta</i> var. <i>pentachaeta</i>	Asteraceae	3
Partridge Pea	<i>Chamaecrista fasciculata</i> var. <i>fasciculata</i> (<i>Cassia fasciculata</i>)	Fabaceae	3
Passion Flower	<i>Passiflora affinis</i>	Passifloraceae	2
Peach Bush	<i>Prunus texana</i>	Rosaceae	3
Pecan	<i>Carya illinoensis</i>	Juglandaceae	3
Pecan	<i>Carya illinoensis</i>		3
Pencil Cactus	<i>Opuntia leptocaulis</i>	Cactaceae	3
Pennsylvania Pelitory	<i>Parietaria pennsylvanica</i>	Urticaceae	3
Pennywort	<i>Hydrocotyle umbellata</i>	Apiaceae	3
Pennywort	<i>Hydrocotyle verticillata</i> var. <i>verticillata</i>	Apiaceae	3
Peppervine	<i>Ampelopsis arborea</i>	Vitaceae	3
Pickersweed	<i>Pontederia cordata</i>	Pontederiaceae	3
Pigeon Berry	<i>Rivina humilis</i>	Phytolaccaceae	2
Pincushion Daisy	<i>Gaillardia suavis</i>	Asteraceae	2
Pine Muhly	<i>Muhlenbergia dubia</i>	Poaceae	3
Pink Evening Primrose	<i>Oenothera speciosa</i>	Onagraceae	3
Pink Mimosa	<i>Mimosa borealis</i>	Fabaceae	2
Pitcher Sage	<i>Salvia azurea</i> var. <i>grandiflora</i>	Lamiaceae	2
Plains Prickly Pear	<i>Opuntia macrorhiza</i>	Cactaceae	1
Plains Lovegrass	<i>Eragrostis intermedia</i>	Poaceae	2
Plateau Gerardia	<i>Agalinis edwardsiana</i>	Scrophulariaceae	3
Plateau Goldeneye	<i>Viguiera dentata</i>	Asteraceae	2
Pointed Phlox	<i>Phlox cuspidata</i>	Polemoniaceae	2
Poison Ivy	<i>Toxicodendron radicans</i> (<i>Rhus toxicodendron</i>)	Anacardiaceae	2
Pokeweed	<i>Phytolacca americana</i>	Phytolaccaceae	3
Ponyfoot	<i>Dichondra carolinensis</i>	Convolvulaceae	3
Possum Haw	<i>Ilex decidua</i>	Aquifoliaceae	1
Post oak	<i>Quercus stellata</i>	Fagaceae	2
Powder Cloakfern	<i>Angiochasma dealbata</i> (<i>Notholaena dealbata</i> , <i>Pellaea dealbata</i>)	Pteridaceae	3
Powdery Thalia	<i>Thalia dealbata</i>	Marantaceae	2
Prairie Agalinis	<i>Agalinis heterophylla</i>	Scrophulariaceae	3
Prairie Brazosmint	<i>Wormskia scutellaroides</i>	Lamiaceae	3
Prairie Buttercup	<i>Ranunculus fascicularis</i>	Ranunculaceae	2
Prairie Celestials	<i>Nemastylis geminiflora</i>	Urticaceae	2
Prairie Fleabane	<i>Erigeron modestus</i>	Asteraceae	3
Prairie Goldenrod	<i>Solidago nemoralis</i>	Asteraceae	1
Prairie Larkspur	<i>Delphinium carolinianum</i> ssp. <i>virescens</i>	Ranunculaceae	2
Prairie Paintbrush	<i>Castilleja purpurea</i>	Scrophulariaceae	3
Prairie Paintbrush	<i>Castilleja purpurea</i> var. <i>lindeheimeri</i>	Scrophulariaceae	3
Prairie Phlox	<i>Phlox pilosa</i>	Polemoniaceae	2
Prairie Rose	<i>Rosa blanda</i>	Rosaceae	2

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Prairie Verbena	<i>Glandularia bipinnatifida</i> var. <i>bipinnatifida</i> (<i>Verbena bipinnatifida</i>)	Verbenaceae	3
Prairie-tea	<i>Croton monanthogynus</i>	Euphorbiaceae	3
Purple Bindweed	<i>Ipomoea cordatotriloba</i> var. <i>cordatotriloba</i> (<i>I. trichocarpa</i>)	Convolvulaceae	3
Purple Cliffbrake	<i>Pellaea atropurpurea</i>	Pteridaceae	3
Purple Coneflower	<i>Echinacea purpurea</i>	Asteraceae	2
Purple Leatherflower	<i>Clematis pitcheri</i>	Ranunculaceae	2
Purple Milkweed Vine	<i>Matelea biflora</i>	Asclepiadaceae	3
Purple Milkwort	<i>Polygala lindheimeri</i>	Polygalaceae	2
Purple Plains Lovegrass	<i>Eragrostis spectabilis</i>	Poaceae	2
Purple prickly pear	<i>Opuntia macrocentra</i>	Cactaceae	1
Purple Sage, Cenizo	<i>Leucophyllum frutescens</i>	Scrophulariaceae	1
Purple Threeawn	<i>Aristida purpurea</i> var. <i>purpurea</i>	Poaceae	2
Purple Top	<i>Tridens flavus</i>	Poaceae	3
Pyramid Bush	<i>Melochia tomentosa</i>	Steruliaceae	3
Queen's Delight	<i>Stillingia texana</i>	Euphorbiaceae	3
Rabbit Tobacco	<i>Evax prolifera</i>	Asteraceae	2
Rain Lily	<i>Cooperia drummondii</i>	Amoryllidaceae	3
Rain Lily	<i>Cooperia podunculata</i>	Liliaceae	2
Rattanvine	<i>Berchemia scandens</i>	Rhamnaceae	3
Red Buckeye	<i>Aesculus pavia</i>	Hippocastanaceae	2
Red Buckeye	<i>Aesculus pavia</i> var. <i>pavia</i>	Hippocastanaceae	3
Red Columbine	<i>Aquilegia canadensis</i>	Ranunculaceae	1
Red Grama	<i>Bouteloua trifida</i>	Poaceae	3
Red Yucca	<i>Hesperaloe parviflora</i>	Agavaceae	3
Redbud	<i>Cercis canadensis</i>	Fabaceae	1
Redbud	<i>Menodora heterophylla</i>	Oleaceae	3
Redroot	<i>Ceanothus herbaceus</i>	Rhamnaceae	3
Reflexed Sedge	<i>Carex retroflexa</i>	Cyperaceae	2
Resinbush, Skeleton-leaf Goldeneye	<i>Viguiera stenoloba</i>	Asteraceae	3
Resin-dot Skullcap	<i>Scutellaria resinosa</i>	Lamiaceae	3
Rock Flax	<i>Linum rupestre</i>	Linaceae	3
Rock-cress	<i>Arabis peltolaris</i>	Brassicaceae	3
Roemer's Indigo	<i>Amorpha roemeriana</i>	Fabaceae	3
Rose Mallow, Rock Rose	<i>Pavonia lasiopetala</i>	Malvaceae	3
Roughleaf Dogwood	<i>Cornus drummondii</i>	Cornaceae	2
Roundhead Rush	<i>Juncus validus</i>	Juncaceae	3
Runyon's water-willow	<i>Justicia runyonii</i>	Acanthaceae	3
Sacaton	<i>Sporobolus wrightii</i>	Poaceae	2
Salt Marsh-mallow	<i>Kosteletzkya virginica</i>	Malvaceae	3
Saltmarsh Aster	<i>Symphyotrichum divaricatum</i>	Asteraceae	3
Sand Spikerush	<i>Eleocharis montevidensis</i>	Cyperaceae	3
Saw Greenbrier	<i>Smilax bona-nox</i>	Smilacaceae	2
Scarlet Leatherflower	<i>Clematis texensis</i>	Ranunculaceae	2
Scarlet Pea	<i>Indigofera miniata</i>	Fabaceae	3
Scarlet Penstemon	<i>Penstemon triflorus</i>	Scrophulariaceae	3
Scarlet Pimpernel	<i>Anagallis arvensis</i>	Primulaceae	3
Scarlet Rose Mallow	<i>Hibiscus laevis</i>	Malvaceae	2
Scarlet Spiderling	<i>Boerhaavia coccinea</i>	Nyctaginaceae	3
Scarlet-fruit Passion Flower	<i>Passiflora foetida</i>	Passifloraceae	3
Scrambled Eggs	<i>Corydalis curvisiliqua</i>	Fumariaceae	3
Sourpea	<i>Pediomelum late stipulatum</i> var. <i>apressum</i>	Fabaceae	3
Sourpea	<i>Pediomelum late stipulatum</i> var. <i>late stipulatum</i>	Fabaceae	3
Scythe-fruit Arrowhead	<i>Sagittaria lancifolia</i>	Alismataceae	2
Seep Mully	<i>Muhlenbergia reverchonii</i>	Poaceae	3
Self Heal	<i>Prunella vulgaris</i>	Lamiaceae	2
Sensitive Briar	<i>Mimosa roemeriana</i> (<i>Shrankia roemeriana</i>)	Fabaceae	3
Seven-leaf Creeper	<i>Parthenocissus heptaphylla</i>	Vitaceae	1
Shadscale	<i>Atriplex confertifolia</i>	Chenopodiaceae	3
Short Ragweed	<i>Ambrosia artemisiifolia</i>	Asteraceae	3
Shrubby Milkweed	<i>Cephaelis nictitans</i>	Scrophulariaceae	3

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Showy Menodora	<i>Menodora longiflora</i>	Oleaceae	3
Shrub Amyris	<i>Amyris madrensis</i>	Rutaceae	3
Shrubby Boneset	<i>Ageratina havanensis</i> (Eupatorium <i>havanense</i>)	Asteraceae	2
Sida	<i>Sida abutilifolia</i>	Malvaceae	3
Sideoats Grama	<i>Bouteloua curtipendula</i>	Poaceae	2
Siler's Tube-rose	<i>Manfreda sileri</i>	Agavaceae	3
Silver Bladderpod	<i>Lesquerella argyrea</i>	Brassicaceae	3
Silver Bluestem	<i>Bothriochloa laguroides</i> ssp. <i>Torreyana</i>	Poaceae	3
Silver Bush Dalea	<i>Dalea bicolor</i> var. <i>argyrea</i>	Fabaceae	2
Silver Ponyfoot	<i>Dichondra argentea</i>	Convolvulaceae	3
Silver-leaf Nightshade	<i>Solanum elaeagnifolium</i>	Solanaceae	3
Silverpuff	<i>Chaptalia nutans</i>	Asteraceae	3
Silverpuff	<i>Chaptalia texana</i>	Asteraceae	3
Skeleton-plant	<i>Lygodesmia texana</i>	Asteraceae	2
Slender Rosinweed	<i>Silphium gracile</i>	Asteraceae	3
Slender-leaf Bitterweed	<i>Tetaneuris linearifolia</i> var. <i>linearifolia</i> (<i>Hymenoxys linearifolia</i>)	Asteraceae	3
Slenderleaf Sage	<i>Salvia leptophylla</i>	Lamiaceae	2
Slender-lobe Passion Flower	<i>Passiflora tenuiloba</i>	Passifloraceae	1
Slim Tridens	<i>Tridens muticus</i>	Poaceae	3
Small Bluebell	<i>Eustoma exaltatum</i>	Gentianaceae	2
Small Palafoxia	<i>Palafoxia callosa</i>	Asteraceae	3
Smoketree	<i>Cotinus obovatus</i>	Anacardiaceae	3
Smooth Beggarick	<i>Bidens laevis</i>	Asteraceae	3
Smooth Leaf Grape	<i>Vitis cinerea</i> var. <i>helleri</i> (<i>berlandieri</i>)	Vitaceae	3
Snake Herb	<i>Dyschoriste linearis</i>	Acanthaceae	2
Snapdragon Vine	<i>Maurandella antirrhiniflora</i> (<i>Maurandya</i> <i>antirrhiniflora</i>)	Scrophulariaceae	1
Snow-on-the-mountain	<i>Euphorbia marginata</i>	Euphorbiaceae	3
Soapberry	<i>Sapindus saponaria</i> var. <i>drummondii</i>	Sapindaceae	3
Soft Rush	<i>Juncus effusus</i> var. <i>solutus</i>	Juncaceae	3
Southern Black-haw	<i>Viburnum rufidulum</i>	Caprifoliaceae	2
Southern Blue-flag	<i>Iris virginica</i> var. <i>shrevei</i>	Iridaceae	3
Southern Dewberry	<i>Rubus trivialis</i>	Rosaceae	2
Southern Shield Fern	<i>Thelypteris kunthii</i>	Thelypteridaceae	3
Spanish Dagger	<i>Yucca treculeana</i>	Agavaceae	3
Spanish Needles	<i>Bidens frondosa</i>	Asteraceae	3
Spice Bush	<i>Lindera benzoin</i>	Lauraceae	2
Spice-lily	<i>Manfreda maculosa</i>	Agavaceae	2
Spider Antelope Horns	<i>Asclepias asperula</i>	Asclepiadaceae	2
Spider Lily	<i>Hymenocallis liriosme</i>	Liliaceae	3
Spreading Scaeseed	<i>Spermatocarpis inermis</i>	Aplaceae	3
Spring Lonsheart	<i>Physostegia pulchella</i>	Lamiaceae	2
Square-bud Primrose, Sundrops	<i>Calyptophus berlandieri</i>	Onagraceae	3
Square-bud Primrose, Sundrops	<i>Calyptophus berlandieri</i> ssp. <i>pinifolius</i> (C. <i>drummondianus</i>)	Onagraceae	2
Squarestem Spikerush	<i>Eleocharis quadrangulata</i>	Cyperaceae	3
Standing Cypress	<i>Lomopsis rubra</i>	Convolvulaceae	3
Standing Winecup	<i>Calathea pedata</i>	Malvaceae	2
Stemless Evening Primrose	<i>Oenothera triloba</i>	Onagraceae	3
Stick-leaf	<i>Mentzelia oligosperma</i>	Loasaceae	3
Sticky Mouse-ear Chickweed	<i>Cerastium glomeratum</i>	Caryophyllaceae	3
Stork's Bill Geranium	<i>Erodium texanum</i>	Geraniaceae	3
Straggler Daisy, Horsetail	<i>Calyptocarpus vialis</i>	Asteraceae	1
Sugar Hackberry	<i>Celtis laevigata</i>	Ulmaceae	3
Sugarberry Anacua	<i>Ehretia anacua</i>	Boraginaceae	3
Swamp Milkweed	<i>Asclepias incarnata</i>	Asclepiadaceae	2
Swan Flower	<i>Aristolochia erecta</i> (A. <i>longiflora</i>)	Aristolochiaceae	3
Sweet Mountain Grape	<i>Vitis monticola</i>	Vitaceae	3
Switchgrass	<i>Panicum virgatum</i>	Poaceae	3
Sword-leaf Blue-eyed Grass	<i>Sisyrinchium chilense</i> (S. <i>ensigerum</i>)	Iridaceae	3
Sycamore-leaf Snowbell	<i>Syrax platyphylus</i>	Syracaceae	2
Tall Dropseed	<i>Stemodia compositus</i> var. <i>compositus</i>	Polaceae	1
Tall Dropseed	<i>Stemodia compositus</i> var. <i>compositus</i>	Polaceae	3

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Tall Poppymallow	<i>Callirhoe heterocarpa</i>	Malvaceae	3
Tall Rosinweed	<i>Silphium simpsonii</i>	Asteraceae	2
Texas Almond	<i>Prunus minutiflora</i>	Rosaceae	3
Texas ash	<i>Fraxinus texensis</i>	Oleaceae	3
Texas Aster	<i>Symphyotrichum drummondii</i> var. <i>texanum</i> (<i>Aster texanus</i>)	Asteraceae	2
Texas Barberry	<i>Mahonia swaseyi</i> (<i>Berberis swaseyi</i>)	Berberidaceae	2
Texas Betony	<i>Stachys coccinea</i>	Lamiaceae	3
Texas Buckeye	<i>Aesculus glabra</i> var. <i>arguta</i> (<i>A. arguta</i>)	Hippocastanaceae	3
Texas Bush-clover	<i>Lespedeza texana</i>	Fabaceae	3
Texas Cupgrass	<i>Eriochloa sericea</i>	Poaceae	2
Texas Dandelion	<i>Pseudopappus pauciflorus</i>	Asteraceae	3
Texas Frogfruit	<i>Phyla nodiflora</i> (<i>Phyla incisa</i>)	Verbenaceae	3
Texas Grama	<i>Bouteloua rigidisetata</i>	Poaceae	3
Texas greeneyes	<i>Berlandiera betonicifolia</i> (<i>B. texana</i> , <i>B. texana</i> var. <i>betonicifolia</i>)	Asteraceae	2
Texas Kidneywood	<i>Eysenhardtia texana</i>	Fabaceae	3
Texas Lantana	<i>Lantana urticoides</i> (<i>L. horrida</i>)	Verbenaceae	3
Texas Madrone	<i>Arbutus xalapensis</i>	Ericaceae	1
Texas Milkweed	<i>Asclepias texana</i>	Asclepiadaceae	3
Texas Mock Orange	<i>Philadelphus texensis</i>	Saxifragaceae	3
Texas Mountain Laurel	<i>Sophora secundiflora</i>	Fabaceae	3
Texas Mulberry	<i>Morus microphylla</i>	Moraceae	1
Texas Oak	<i>Quercus buckleyi</i>	Fagaceae	1
Texas Persimmon	<i>Diospyros texana</i>	Ebenaceae	3
Texas Pistachio	<i>Pistacia mexicana</i>	Anacardiaceae	2
Texas Prickly Pear	<i>Opuntia engelmannii</i> var. <i>lindeheimeri</i> (<i>O. lindeheimeri</i>)	Cactaceae	3
Texas Redbud	<i>Cercis canadensis</i> var. <i>texensis</i>	Fabaceae	2
Texas Sabal Palm	<i>Sabal mexicana</i>	Arecaceae	2
Texas Sage	<i>Salvia texana</i>	Lamiaceae	2
Texas Sedge	<i>Carex texensis</i>	Cyperaceae	2
Texas Snakewood	<i>Colubrina texensis</i>	Rhamnaceae	3
Texas Snowbell	<i>Styrax platanifolius</i> ssp. <i>texanus</i> (<i>S. texana</i>)	Styracaceae	3
Texas Sotol	<i>Dasyliodon texanum</i>	Liliaceae	2
Texas Speargrass, Wintergrass	<i>Nassella leucotricha</i> (<i>Stipa leucotricha</i>)	Poaceae	1
Texas Star Hibiscus	<i>Hibiscus coccineus</i>	Malvaceae	2
Texas Thistle	<i>Cirsium texanum</i>	Asteraceae	3
Texas Vervain	<i>Verbena halei</i>	Verbenaceae	3
Texas Wisteria	<i>Wisteria frutescens</i>	Fabaceae	1
Texas Yellow Star	<i>Lindheimera texana</i>	Asteraceae	3
Texas red oak	<i>Quercus texana</i>	Fagaceae	2
Thorn-crested Agave	<i>Agave lophantha</i>	Agavaceae	3
Threadleaf Pondweed	<i>Potamogeton diversifolius</i>	Potamogetonaceae	3
Three-flower Melic	<i>Melica nitens</i>	Poaceae	3
Three-seeded Mercury	<i>Acalypha phaeoides</i> (<i>A. lindeheimeri</i>)	Euphorbiaceae	3
Toothache Tree	<i>Zanthoxylum hirsutum</i>	Rutaceae	3
Tracy Hawthorn	<i>Crataegus tracyi</i>	Rosaceae	3
Trailing Ratany	<i>Krameria lanceolata</i>	Krameriaceae	1
Trans-Pecos Cliffbrake	<i>Pellaea torrifolia</i>	Pteridaceae	2
Tropical Sage	<i>Salvia coccinea</i>	Lamiaceae	2
Trumpet Creeper	<i>Campsis radicans</i>	Bignoniaceae	2
Tulipan del Monte	<i>Hibiscus marianus</i> (<i>H. cardiophyllus</i>)	Malvaceae	3
Turk's Cap	<i>Malvaviscus arboreus</i>	Malvaceae	1
Turk's Cap	<i>Malvaviscus arboreus</i> var. <i>drummondii</i>	Malvaceae	3
Tumsole	<i>Heliotropium indicum</i>	Boraginaceae	3
Twisted-leaf Yucca	<i>Yucca rupicola</i>	Agavaceae	3
Two-flowered Anemone	<i>Anemone edwardsiana</i>	Ranunculaceae	3
Two-leaved Senna	<i>Senna roemeriana</i> (<i>Cassia roemeriana</i>)	Fabaceae	1
Umbrellagrass	<i>Fulena simplex</i>	Cyperaceae	3
Upright Burnhead	<i>Echinodorus berteroi</i> (<i>Echinodorus rostratus</i>)	Alismaceae	2
Vasey's Oak	<i>Quercus vaseyana</i>	Fagaceae	3
Worm-poorwill	<i>Quercus laevis</i> (<i>Quercus laevis</i>)	Fagaceae	3

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Common Name	Genus / Species	Family	K
Velvet-leaf Mallow	<i>Alibissadula holosericea</i>	Malvaceae	2
Venus' Looking Glass	<i>Triodanis perfoliata</i>	Campanulaceae	3
Vine Mesquite	<i>Panicum obtusum</i>	Poaceae	2
Violet Prairie Clover	<i>Dalea purpurea</i> var. <i>purpurea</i> (<i>Petalostemon purpureus</i>)	Fabaceae	2
Violet Wood-Sorrel	<i>Oxalis violacea</i>	Oxalidaceae	1
Virginia Blueflag	<i>Iris virginica</i>	Iridaceae	3
Virginia Creeper	<i>Parthenocissus quinquefolia</i>	Vitaceae	2
Wand Butterfly-bush	<i>Buddleja racemosa</i>	Buddlejaceae	3
Water Celery, Eelgrass	<i>Vallisneria americana</i>	Hydrocharitaceae	2
Water Clover	<i>Marsilea macropoda</i>	Marsileaceae	3
Water Pimpernel	<i>Samolus valerandi</i> ssp. <i>parviflorus</i> (S. <i>parviflorus</i>)	Primulaceae	2
Water Stargrass	<i>Heteranthera dubia</i> (H. <i>liebmanni</i>)	Pontederiaceae	3
Water-primrose	<i>Ludwigia peploides</i>	Onagraceae	2
Wax Myrtle	<i>Morella cerifera</i> (<i>Myrica cerifera</i>)	Myricaceae	3
Western Ironweed	<i>Vernonia bahkwinii</i>	Asteraceae	3
Western Ragweed	<i>Ambrosia psilostachya</i>	Asteraceae	3
Western Spiderwort	<i>Tradescantia occidentalis</i>	Commelinaceae	3
Western Venus' Looking Glass	<i>Triodanis coloradoensis</i>	Campanulaceae	2
Western Wild Petunia	<i>Ruellia occidentalis</i>	Acanthaceae	2
Wheeler's Sotol	<i>Dasyllirion wheeleri</i>	Liliaceae	2
White Avena	<i>Geum canadense</i>	Rosaceae	3
White Boneset	<i>Eupatorium serotinum</i>	Asteraceae	2
White Evolvulus	<i>Evolvulus sericeus</i>	Convolvulaceae	1
White Gaura	<i>Gaura lindheimeri</i>	Onagraceae	3
White Heliotrope	<i>Heliotropium tenellum</i>	Boraginaceae	3
White Honeysuckle	<i>Lonicera albiflora</i>	Caprifoliaceae	1
White Milkwort	<i>Polygala alba</i>	Polygalaceae	3
White Prairie Clover	<i>Dalea candida</i> var. <i>candida</i> (<i>Petalostemon candidus</i>)	Fabaceae	3
White Prairie Clover	<i>Dalea multiflora</i> (<i>Petalostemon multiflorus</i>)	Fabaceae	2
White Prickly poppy	<i>Argemone albiflora</i> ssp. <i>texana</i>	Papaveraceae	3
White Rock Lettuce	<i>Pinnarappus roseus</i>	Asteraceae	3
White Shin Oak	<i>Quercus sinuata</i> var. <i>breviloba</i>	Fagaceae	2
White Snakeroot	<i>Ageratina altissima</i> var. <i>altissima</i>	Asteraceae	3
White Topped Sedge, Star Sedge	<i>Rhynchospora colorata</i> (<i>Dichromena colorata</i>)	Cyperaceae	3
White Tridens, White Top	<i>Tridens albens</i>	Poaceae	3
White Water Lily	<i>Nymphaea odorata</i>	Nymphaeaceae	3
White-flowered Rosin-weed	<i>Silphium albidiflorum</i>	Asteraceae	3
Whitlowgrass	<i>Draba cuneifolia</i>	Brassicaceae	2
Whitlow-wort	<i>Paronychia virginica</i> var. <i>scoparia</i>	Caryophyllaceae	3
Wild Bergamot	<i>Monarda fistulosa</i>	Lamiaceae	1
Wild Chervil	<i>Cryptotaenia canadensis</i>	Apiaceae	3
Wild Garlic, Drummond's Onion	<i>Allium drummondii</i>	Liliaceae	2
Wild Geranium	<i>Geranium carolinianum</i>	Geraniaceae	2
Wild Hyacinth	<i>Camassia scilloides</i>	Liliaceae	3
Wild Onion	<i>Allium canadense</i>	Liliaceae	3
Wild Petunia	<i>Ruellia nudiflora</i>	Acanthaceae	3
Wild Poinsettia	<i>Euphorbia cyathophora</i>	Euphorbiaceae	3
Windflower	<i>Anemone berlandieri</i> (<i>Anemone heterophylla</i>)	Ranunculaceae	2
Windmill Fingergrass	<i>Chloris verticillata</i>	Poaceae	3
Winecup	<i>Callitriche involucrata</i>	Malvaceae	1
Winecup	<i>Callitriche involucrata</i> var. <i>lineariloba</i>	Malvaceae	3
Winged Elm	<i>Ulmus alata</i>	Ulmaceae	1
Winkler's White Firewheel	<i>Gaillardia aestivalis</i> var. <i>winkleri</i>	Asteraceae	2
Winter Bentgrass	<i>Agrostis hyemalis</i>	Poaceae	3
Witch Hazel	<i>Hamamelis virginiana</i>	Hamamelidaceae	3
Woody Bee-bush	<i>Aloysia macrostachya</i>	Verbenaceae	3
Woody Butterfly-bush	<i>Buddleja maritima</i>	Buddlejaceae	2
Woody Ironweed	<i>Vernonia lindheimeri</i>	Asteraceae	2
Woody Spiderwort	<i>Tradescantia virginiana</i>	Commelinaceae	3

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Appendix A

City of Austin Grow Green List Only
Sort by Common Name

Common Name	Genus / Species	Family	K
Wooly Rose-mallow	<i>Hibiscus moscheutos</i> ssp. <i>lasiocarpus</i> (H. <i>lasiocarpus</i>)	Malvaceae	3
Wooly Stemodia	<i>Stemodia lanata</i>	Scrophulariaceae	3
Wright's False Mallow	<i>Malvastrum aurantiacum</i>	Malvaceae	3
Yaupon Holly	<i>Ilex vomitoria</i>	Aquifoliaceae	3
Yellow Bells, Yellow Trumpetbush	<i>Tecoma stans</i>	Bignoniaceae	3
Yellow Bitterweed	<i>Helenium amarum</i>	Asteraceae	1
Yellow Columbine	<i>Aquilegia chrysantha</i> var. <i>hinkleyana</i>	Ranunculaceae	1
Yellow Cow Lily	<i>Nuphar lutea</i>	Nymphaeaceae	2
Yellow Flax	<i>Linum rigidum</i>	Linaceae	3
Yellow Indian Grass	<i>Sorghastrum nutans</i> (S. <i>avenaceum</i>)	Poaceae	3
Yellow Lotus	<i>Nelumbo lutea</i>	Nelumbonaceae	3
Yellow Passion Flower	<i>Passiflora lutea</i>	Passifloraceae	3
Yellow Sedge	<i>Cyperus ochraceus</i>	Cyperaceae	3
Yellow Stone Crop	<i>Sedum nuttallianum</i>	Crassulaceae	2
Yellow Wood Sorrel	<i>Oxalis dillenii</i>	Oxalidaceae	3
Zexmenia	<i>Wedelia texana</i> (Zexmenia <i>hispida</i>)	Asteraceae	3
Zigzag Iris	<i>Iris brevicaulis</i>	Iridaceae	3

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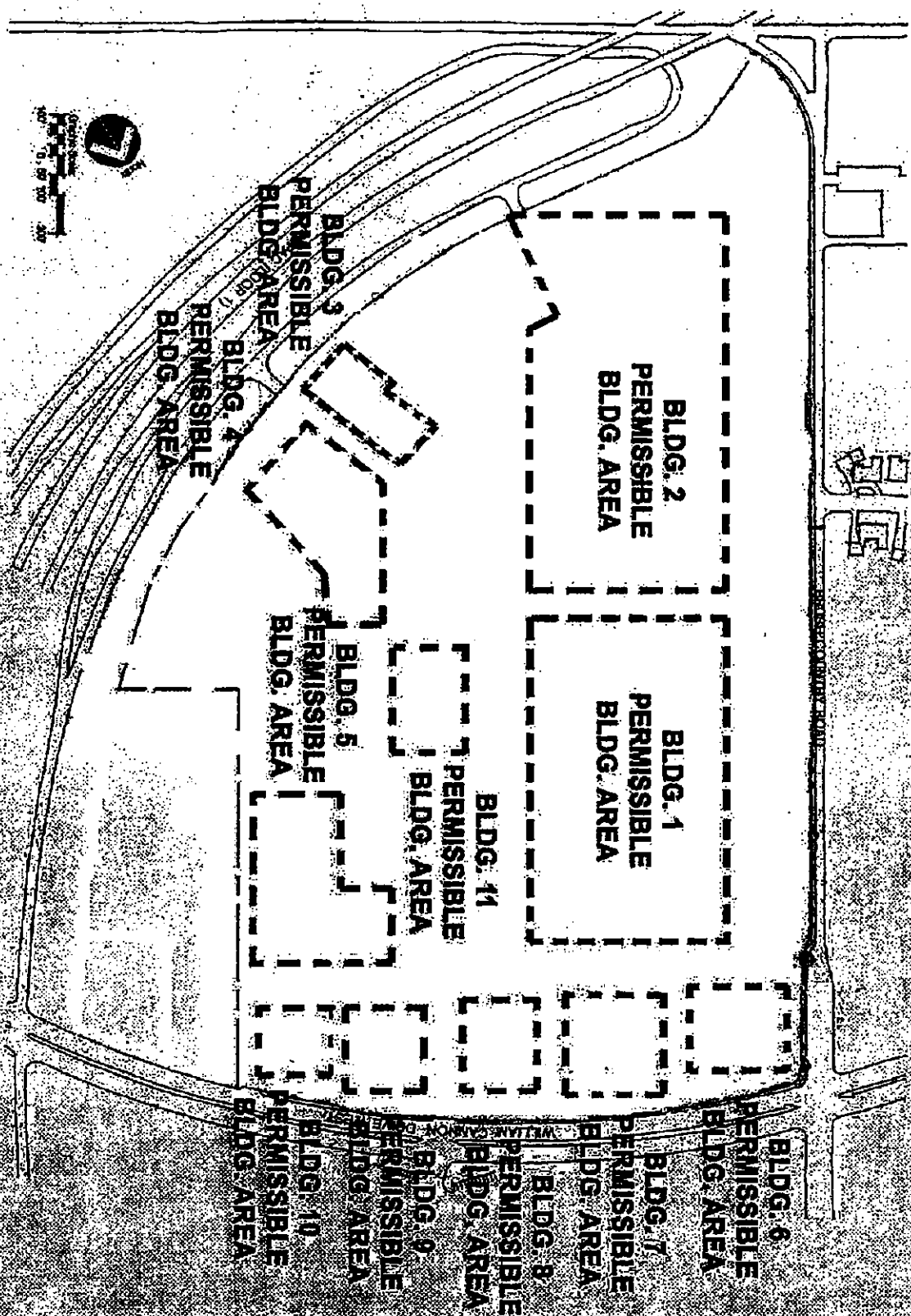
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Genus / Species	Common Name
<i>Abelia grandiflora</i>	Glossy Abelia
<i>Artemisia 'Powis Castle'</i>	Artemisia
<i>Asclepias curassavica</i>	Butterfly Weed, Mexican (Tropical Milkweed)
<i>Aspidistra elatior</i>	Cast Iron Plant
<i>B. frutescens</i> or <i>caulescens</i>	Bulbine
<i>Berberis</i> sp.	Barberry, Japanese
<i>Buddleja Davidii</i>	Butterfly Bush
<i>Caesalpinia gilliesii</i>	Poinciana, Bird of Paradise
<i>Caesalpinia mexicana</i>	Poinciana, Mexican Bird of Paradise
<i>Caesalpinia pulcherrima</i>	Poinciana, Red Bird of Paradise Pride of Barbados
<i>Carex tumulicola</i>	Sedge, Berkeley
<i>Cassia corymbosa</i>	Senna, Flowering
<i>Cassia lindheimeriana</i>	Senna, Lindheimer
<i>Ceratostigma plumbaginoides</i>	Leadwort Plumbago
<i>Chitalpa tashkentensis</i>	Chitalpa
<i>Cuphea micropetala</i>	Cigar Plant
<i>Cupressus arizonica</i>	Arizona Cypress
<i>Cyrtomium falcatum</i>	Fern, Holly
<i>Dietes</i> sp.	Iris, Butterfly/Bicolor (African)
<i>Ficus pumila</i>	Fig Vine
<i>Hamelia patens</i>	Firebush
<i>Hibiscus</i> sp.	Hibiscus
<i>Ilex cornuta 'Burfordii'</i>	Holly, Burford
<i>Ilex cornuta 'Burfordii nana'</i>	Holly, Dwarf Burford
<i>Ilex cornuta 'Rotunda nana'</i>	Holly, Dwarf Chinese
<i>Ipomoea leptophylla</i>	Bush Morning Glory
<i>Iris albicans</i>	Iris, Bearded
<i>Jasminum mesnyi</i>	Primrose Jasmine
<i>Justicia brandegeana</i>	Shrimp Plant
<i>Justicia spicigera</i>	Mexican Honeysuckle
<i>Lagerstroemia indica</i>	Crape Myrtle
<i>Lantana camara</i>	Lantana, Shrub
<i>Lantana montevidensis</i>	Lantana, Trailing
<i>Lantana x hybrida (many varieties)</i>	Lantana
<i>Liriope muscari</i>	Liriope
<i>Malpighia glabra</i>	Barbados Cherry
<i>Muhlenbergia dumosa</i>	Bamboo Muhly
<i>Nandina</i> sp.	Nandina (dwarf varieties)
<i>Ophiopogon japonicus</i>	Aztec Grass
<i>Origanum vulgare</i>	Oregano
<i>Pennisetum alopecuroides</i>	Dwarf Fountain Grass
<i>Perovskia atricapsa</i>	Sage, Russian
<i>Philomis fruticosa</i>	Jerusalem Sage
<i>Plumbago auriculata</i>	Plumbago
<i>Poliomintha longiflora</i>	Mexican Oregano
<i>Prosopis glandulosa</i>	Honey Mesquite
<i>Prunus caroliniana</i>	Cherry Laurel
<i>Prunus serotina</i> var. <i>eximia</i>	Escarpment Black
<i>Punica granatum</i>	Pomegranate
<i>Punica virgatum</i>	Switch Grass
<i>Quercus marilandica</i>	Oak, Blackjack
<i>Quercus polymorpha</i>	Oak, Monterey (Mexican White)
<i>Quercus shumardii texana</i>	Oak, Shumard
<i>Quercus virginiana</i>	Oak, Live (Southern)
<i>Rhamnus caroliniana</i>	Carolina Buckthorn
<i>Rosa</i> sp.	Rose, Belinda's Dream
<i>Rosa</i> sp.	Rose, Knock Out
<i>Rosa</i> sp.	Rose, Living Easy
<i>Rosa</i> sp.	Rose, Marie Pavie
<i>Rosa</i> sp.	Rose, Mutabilis
<i>Rosa</i> sp.	Rose, Nearly Wild
<i>Rosa</i> sp.	Rose, Old Blush
<i>Rubus idaeus</i>	Rosehip

Genus / Species	Common Name
<i>Ruellia</i> sp.	Ruellia
<i>Salvia guaranitica</i>	Sage, Majestic
<i>Salvia leucantha</i>	Sage, Mexican Bush
<i>Santolina chamaecyparissus</i>	Santolina (Lavender Cotton)
<i>Sapindus Drummondii</i>	Soapberry
<i>Scutellaria suffrutescens</i>	Pink Skullcap
<i>Secreasea pallida</i>	Purple Heart
<i>Stipa tenuissima</i>	Mexican Feathergrass (Wiregrass)
<i>Tagetes Lemmonii</i>	Copper Canyon Daisy
<i>Tagetes lucida</i>	Mexican Mint Marigold
<i>Taxodium mucronatum</i>	Cypress, Montezuma
<i>Teucrium fruticans</i>	Bush Germander
<i>Trachelospermum asiaticum</i>	Asian Jasmine
<i>Ulmus parvifolia</i>	Elm, Lacebark
<i>Yucca pallida</i>	Yucca, Paleleaf
<i>Yucca recurvifolia</i>	Yucca, Softleaf

Genus / Species	Common Name
<i>Antigonon leptopus</i>	Coral Vine
<i>Cotoneaster</i> sp.	Cotoneaster
<i>Hedera helix</i>	English Ivy
<i>Nandina domestica</i> 'Gulf Stream'	Nandina, Gulf Stream
<i>Nandina domestica</i> 'Harbour Dwarf'	Nandina, Harbour Dwarf
<i>Nandina domestica</i> 'Moon Bay'	Nandina, Moon Bay
<i>Nandina domestica</i> 'nana'	Nandina, Nana
<i>Nerium oleander</i>	Oleander
<i>Passiflora incarnata</i>	Passion Vine
<i>Pistacia chinensis</i>	Chinese Pistache
<i>Spiraea</i> sp.	Spirea
<i>Vinca minor</i>	Periwinkle, Littleleaf

Attachment 4



Building Envelope Exhibit

Southwest Marketplace

