



## **AGENDA**

### **TOWN OF FLOWER MOUND ENVIRONMENTAL CONSERVATION COMMISSION REGULAR MEETING**

**May 2, 2017**

**FLOWER MOUND TOWN HALL  
2121 CROSS TIMBERS ROAD  
FLOWER MOUND, TEXAS**

**6:30 P.M.**

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AN AGENDA INFORMATION PACKET IS AVAILABLE ONLINE AT  
[HTTPS://TX-FLOWERMOUND.CIVICPLUS.COM/AGENDACENTER](https://TX-FLOWERMOUND.CIVICPLUS.COM/AGENDACENTER)  
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#### **A. CALL REGULAR MEETING TO ORDER – 6:30 PM**

#### **B. INVOCATION AND PLEDGE OF ALLEGIANCE**

#### **C. CITIZENS/VISITORS COMMENTS**

1. Please fill out an "Appearance Before Environmental Conservation Commission" form in order to address the Environmental Conservation Commission, and turn the form in prior to Citizens and Visitors Comments, or by 6:40 p.m. to the Town staff. Speakers are normally limited to three minutes. Time limits can be adjusted by the Chair as to accommodate more or fewer speakers.

#### **D. STAFF REPORT**

1. Update and status report related to environmental issues and events, regulatory activities, and projects.

#### **E. CONSENT AGENDA - CONSENT ITEMS**

This agenda consists of non-controversial or "housekeeping" items and may be approved with a single motion. A member of the Environmental Conservation Commission may request an item(s) be withdrawn from the consent agenda and moved to regular agenda for discussion by making such request prior to a motion and vote on the Consent Agenda.

1. Consider approval of minutes from the regular meeting of the Environmental Conservation Commission held on February 7, 2017.

#### **F. REGULAR ITEMS**

2. Consider an application for a tree removal permit for seven (7) specimen trees on property proposed for development as Responsive Education Solutions. The

# Environmental Conservation Commission Meeting Agenda

May 2, 2017

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property is generally located at the southeast corner of Cross Timbers Road and Flower Mound Road.

## G. ADJOURNMENT- REGULAR SESSION

## H. CALL WORK SESSION TO ORDER

## I. WORK SESSION ITEMS

3. Discuss the sustainability initiatives and provide updates.

## J. COORDINATION OF FUTURE AGENDAS/MEETINGS

## K. ADJOURNMENT – WORK SESSION



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**Matthew Woods**  
Director of Environmental Services

I do hereby certify that the Notice of Meeting was posted on the bulletin board in Town Hall of the Town of Flower Mound, Texas, a place convenient and readily accessible to the general public at all times and said Notice was posted on the following date and time: April 28, 2017, by 5:00 p.m., at least 72 hours prior to the schedule time of said meeting.



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**Emily Chapman**  
Administrative Assistant



## ENVIRONMENTAL CONSERVATION COMMISSION AGENDA ITEM NO. 1

### CONSENT ITEM

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**DATE:** May 2, 2017

**FROM:** Emily Chapman, Administrative Assistant

**ITEM:** Consider approval of minutes from the regular meeting of the Environmental Conservation Commission held on February 7, 2017.

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**BACKGROUND INFORMATION:** This agenda item is to consider approval of the minutes from the February 7, 2017, regular meeting of the Environmental Conservation Commission.

**CITIZEN FEEDBACK:** N/A

**ALTERNATIVES/OPTIONS:** N/A

**FISCAL IMPACT:** N/A

**LEGAL REVIEW:** N/A

**ATTACHMENTS:**

1. A copy of the draft minutes from the February 7, 2017, regular meeting of the Environmental Conservation Commission.

**RECOMMENDATION:** Move to approve the minutes from the February 7, 2017, regular meeting of the Environmental Conservation Commission.

## FLOWER MOUND ENVIRONMENTAL CONSERVATION COMMISSION MEETING OF FEBRUARY 7, 2017

**THE FLOWER MOUND ENVIRONMENTAL CONSERVATION COMMISSION MEETING HELD ON THE 7TH DAY OF FEBRUARY 2017, IN THE FLOWER MOUND TOWN HALL, LOCATED AT 2121 CROSS TIMBERS ROAD IN THE TOWN OF FLOWER MOUND, COUNTY OF DENTON, TEXAS, AT 6:30 P.M.**

The Environmental Conservation Commission met in regular session, with the following members present constituting a quorum:

|                  |                             |
|------------------|-----------------------------|
| Craig Bromley    | Chair                       |
| Russ McNamer     | Vice Chair                  |
| Michael Lamminen | Commission Member, Place 2  |
| Alton Bowman     | Commission Member, Place 5  |
| Marilyn Lawson   | Commission Member, Place 4  |
| Thomas Bailey    | Commission Member, Place 6  |
| James Gerber     | Commission Member, Place 7  |
| Elaine Takacs    | Commission Member, Place 8  |
| James Seastrom   | Commission Member, Place 10 |

Constituting a quorum with the following members absent:

|               |                            |
|---------------|----------------------------|
| Karen Kroesen | Commission Member, Place 9 |
|---------------|----------------------------|

*Places 8, 9, and 10 of the Commission do not vote on items unless they sit in place of one of the regular members, Places 1-7.)*

And the following members of Town staff present:

|               |                                    |
|---------------|------------------------------------|
| Matthew Woods | Director of Environmental Services |
| Emily Chapman | Administrative Assistant           |
| Quintin Carey | Environmental Review Analyst       |
| Misty Adams   | Environmental Programs Coordinator |

**A. CALL TO ORDER - REGULAR SESSION: 6:30 P.M.**

**B. INVOCATION AND PLEDGE OF ALLEGIANCE**

**C. CITIZENS/VISITORS COMMENTS**

Tom Kirwan- 1805 Simmons Road, Flower Mound

**D. STAFF REPORT**

- 1. Update and status report related to environmental issues and events, regulatory activities, and projects.**

**E. CONSENT AGENDA**

FLOWER MOUND ENVIRONMENTAL CONSERVATION COMMISSION MEETING OF FEBRUARY 7, 2017

1. Consider approval of minutes from the regular meeting of the Environmental Conservation Commission held on January 3, 2017.

**Commission Deliberation**

Vice Chair McNamer made a motion to approve the January 3, 2017, minutes as presented. Commission Member Lawson seconded the motion.

**VOTE ON THE MOTION**

AYES: Gerber, Bowman, Lawson, McNamer, Lamminen, Bailey  
NAYS: None  
ABSTAIN: None

The motion passed with a vote of 6-0-0

F. ADJOURNMENT – REGULAR SESSION 6:47 P.M.

G. CALL WORK SESSION TO ORDER 6:47 P.M.

H. WORK SESSION ITEMS

2. Receive an update on the Town's Texas Stream Team program.
3. Discuss the sustainability initiatives and provide updates.

I. COORDINATION OF FUTURE AGENDAS/MEETINGS

J. ADJOURNMENT – WORK SESSION 7:27 P.M.

TOWN OF FLOWER MOUND, TEXAS



MATTHEW WOODS

DIRECTOR OF ENVIRONMENTAL SERVICES

ATTEST:



EMILY CHAPMAN

ADMINISTRATIVE ASSISTANT



## ENVIRONMENTAL CONSERVATION COMMISSION AGENDA ITEM NO. 2

### REGULAR ITEM

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**DATE:** May 2, 2017

**FROM:** James Hoefert, Environmental Review Analyst

**PRESENTER** Ron Stewart, with G&A Consultants

**ITEM:** Consider an application for a tree removal permit for seven (7) specimen trees on property proposed for development as Responsive Education Solutions. The property is generally located at the southeast corner of Cross Timbers Road and Flower Mound Road.

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#### BACKGROUND INFORMATION:

The Responsive Education Solutions non-residential development is generally located at the southeast corner of Cross Timbers Road and Flower Mound Road. The site is approximately 18.852 acres in size. The site is currently master planned for Cross Timbers Conservation Development District and zoned for Agricultural (A) uses. The developer is seeking to amend the Master Plan so the boundary of the Long Prairie Wastewater Service District Map can be expanded to include the subject property. According to the tree survey for the project, the site contains a total of fifteen (15) specimen trees. The applicant is requesting the removal of seven (7) specimen trees from the site in order to build a new school campus development. The seven (7) specimen trees proposed for removal are in good to fair condition and are all located within the proposed buildable area.

The following is a list of the seven (7) specimen trees requested for removal:

Tree #1445 – 24" post oak

Tree #1446 – 23.5" post oak

Tree #1453C – 23.5" post oak

Tree #1455 – 26" post oak

Tree #1456 – 23" post oak

Tree #1460A – 25" post oak in fair condition (borers)

Tree #1460B – 25" post oak in fair condition (borers)

The Town's tree ordinance requires that specimen trees removed from the site be replaced at a rate of two times their caliper inches. For the seven (7) specimen trees, 342" of replacement trees, equaling 114 three-inch caliper trees, will be required for the removal of the seven (7) specimen trees on this site.

**CITIZEN FEEDBACK:** As of April 28, 2017, staff has not received feedback related to this item.

**ALTERNATIVES/OPTIONS:** N/A

**FISCAL IMPACT:** N/A

**LEGAL REVIEW:** N/A

**ATTACHMENTS:**

1. Letter from the applicant indicating the reason(s) for the tree removal permit request.
2. Specimen tree removal permit application.
3. Photographs of the specimen trees proposed for removal.
4. Photographs of approved signage onsite.
5. Tree Survey.

**RECOMMENDATION:** Move to recommend approval or denial of the requested permit for the removal of seven (7) specimen trees on property proposed for development as Responsive Education Solutions. The property is generally located at the southeast corner of Cross Timbers Road and Flower Mound Road.

April 14, 2017

Jimmy Hoefert, Environmental Review Analyst  
Town of Flower Mound  
1001 Cross Timbers Road, Suite 2330  
Flower Mound, TX 75028

Reference: Tree Removal Permit Application  
Lot 1. Block A  
18.852 Acres in the W. Malone Survey, Abstract 855  
Flower Mound Denton County, Texas

Dear Mr. Hoefert;

On behalf of the owner/developer on the aforementioned property, we are requesting that (7) specimen trees (as outlined on the attached tree removal exhibit), as defined in the TOFM Tree Preservation Code, be removed. The tree is being requested to be removed due to site and design conditions which thereby mean the subject development cannot reasonably be developed, based on economic and/or practical considerations, without removal of the tree included in the permit application.

**TREE TABULATIONS FROM THE SPECIMEN TREE SURVEY**

|                              |          |
|------------------------------|----------|
| Total specimen trees         | 15 Trees |
| Total specimen trees saved   | 8 Trees  |
| Total specimen trees removed | 7 Tree   |

Numerous concept plans were generated with various renditions of each based on saving the specimen trees as per the owner. From the beginning the site was designed based on an early tree survey, aerial photographs and site observations to locate the buildings and accompanying infrastructure in areas of minimal impact. The layout presented takes into account the site grading, existing trees, town required buffers, parking, hydrology and future development. The site plan before you appears to be the most beneficial for taking into account all the site constraints and opportunities.

Within the final site plan landscape drawings, the environmental BMPs (Best Management Practices) to help increase the survivability of the saved trees will include but are not limited to: maximizing the at-grade green space under the drip line of existing trees, limiting tree wells and tree planters to maximum 3' height, when a tree well is necessitated, it shall have drainage devices to carry off the excess water, tree wells and planters shall have installation started within 2 weeks following rough grading completion, any grade cutting within the root zone of any specimen tree shall include professional root pruning, any tree pruning shall be by a licensed arborist, any tree within a tree well shall have aeration pipes in areas of change of grade within the drip lines, any non-permeable paving within the drip lines shall have structural soil for 24" depth under the paving. Further, all aspects of the Town of Flower Mound Tree Preservation Code for tree protection during construction shall be followed.

The following is the specimen tree we are requesting to be removed:

1. Tree #1445                      24" caliper Post Oak  
This tree is being removed due to driveway associated with the proposed building.
2. Tree #1446                      23.5" caliper Post Oak  
This tree is being removed due to proposed building footprint.
3. Tree #1453C                      23.5" caliper Post Oak  
This tree is being removed due to proposed building footprint.
4. Tree #1455                      26" caliper Post Oak  
This tree is being removed due to proposed building footprint.
5. Tree #1456                      23" caliper Post Oak  
This tree is being removed due to proposed building footprint.
6. Tree #1460A                      25" caliper Post Oak  
This tree is being removed due to health concerns.
7. Tree #1460B                      25" caliper Post Oak  
This tree is being removed due to health concerns.

We have attempted to save as many trees as is reasonably possible. The specimen trees to be saved are (8) Post Oaks. Please note that great care will go into saving the other protected and specimen trees on this site and follow all TOFM tree protection measures. Thank you for your consideration.

Based on the above data, I respectfully ask that the trees enumerated above be allowed to be removed from the site.

Respectfully submitted,



Ron Stewart, ASLA  
Landscape Architect, TX #791

**Town of Flower Mound**  
Application for:  
**TREE REMOVAL PERMIT**

(Effective for Developments submitted 2/17/00- present)

Check one:    ☐ Protected Tree    ☒ Specimen Tree    ☐ Majestic Tree

**1. Applicant-** Note: Must be a licensed Landscape Architect or Registered Arborist

**Name:**

\_\_\_\_\_ Ron Stewart \_\_\_\_\_  
\_\_\_\_\_

**Address:**

\_\_\_\_\_ 111 Hillside Dr \_\_\_\_\_  
\_\_\_\_\_ Lewisville TX 75057 \_\_\_\_\_  
\_\_\_\_\_

**Phone:**

\_\_\_\_\_ 972 - 436-9712 \_\_\_\_\_  
\_\_\_\_\_

**Applicant's Legal Interest in the Property:**

\_\_\_\_\_ Landscape Architect for Project \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**2. Property Owner(s)**

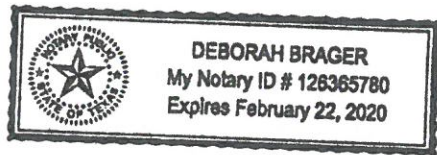
**Name(s)** \_\_\_\_\_ Responsive Education Solutions \_\_\_\_\_  
**Address:** \_\_\_\_\_ 1301 Water Ridge Rd \_\_\_\_\_  
\_\_\_\_\_ Lewisville, TX \_\_\_\_\_  
\_\_\_\_\_ Contact: Bryan Stevens \_\_\_\_\_

**3. Location and Legal Description of Property:**

\_\_\_\_\_ 18.852 acres, lot 1, Block A \_\_\_\_\_  
\_\_\_\_\_ W. MALONE SURVEY, ABSTRACT NO. 855 \_\_\_\_\_  
\_\_\_\_\_ Town of Flower Mound \_\_\_\_\_  
\_\_\_\_\_ Denton County Texas \_\_\_\_\_

**4. Owner's Authorization of Representation**

I, BRIAN STEVENS, the owner of the above described real property, do hereby authorize RON STEWART to represent my interests and to file an Application for Tree Removal Permit for said real property, pursuant to the terms and provisions of Chapter 94 (Vegetation), of the Land Development Code of the Town of Flower Mound, Texas.



Signature of Owner

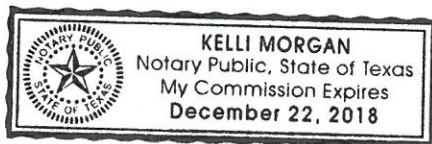
Given Under My Hand and Seal of Office  
This the 29 Day of April, 2017  
Deborah Brager  
Notary Public  
In and For Denton County, Texas.

**5. Applicants Affidavit-** Note: Applicant must be a licensed Landscape Architect or Registered Arborist.

Subject to criminal penalties contained in Chapter 12, Land Development Code of the Town of Flower Mound, Texas, I RON STEWART, do hereby swear or affirm that all of the Information contained herein and submitted herein is, to the best of my knowledge, true, correct and complete and that no false, misleading or incomplete information has been intentionally provided or submitted with this Application for a Tree Removal Permit.

Signature of Applicant

Landscape Architect License No. 791  
State of Licensure TX  
Or ISA Certified Arborist No. \_\_\_\_\_



Given Under My Hand and Seal of Office  
This the 28 Day of April, 2017  
Kelli Morgan  
Notary Public  
In and For Denton County, Texas

6. Received by Town of Flower Mound on (Date) 4/28/17 by (initials) JRH.

Responsive Education Solutions – Specimen trees proposed for removal



Tree #1456 – 23" post oak



Tree #'s 1460A and 1460B – both are 25" post oaks



# Tree Removal Request Signage

Along Cross Timbers Road



Along Flower Mound Road



SITE PLANNING CIVIL ENGINEERING PLATTING

**CONSULTANTS, LLC**

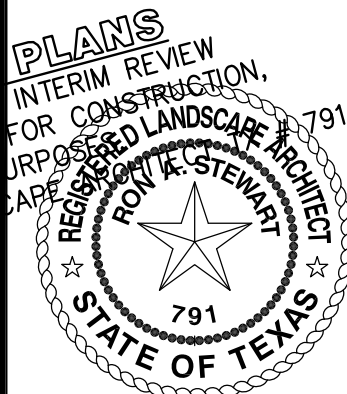
LAND SURVEYING LANDSCAPE ARCHITECTURE

**GA**

111 Hillside Drive • Lewisville, TX 75057 • P: 972.436.9712 • F: 972.436.9715  
144 Old Town Blvd. North, Ste. 2 • Wylie, TX 75098 • P: 940.240.0102 • F: 940.240.1028  
TSPS Firm No. 10047700  
TSPS Firm No. 1736

RES FLOWER MOUND  
Lot 1, Block A  
RES FLOWER MOUND  
18.852 Acres  
in the  
TOWN OF FLOWER MOUND  
DENTON COUNTY, TEXAS

TREE SURVEY



Drawn By: RLS  
Date: 1/17/2017  
Scale: 1"=40'  
Revisions:  
4/11/2017

16248

L2.0



40 0 40 80 120 Feet  
SCALE: 1"=40'

LEGEND

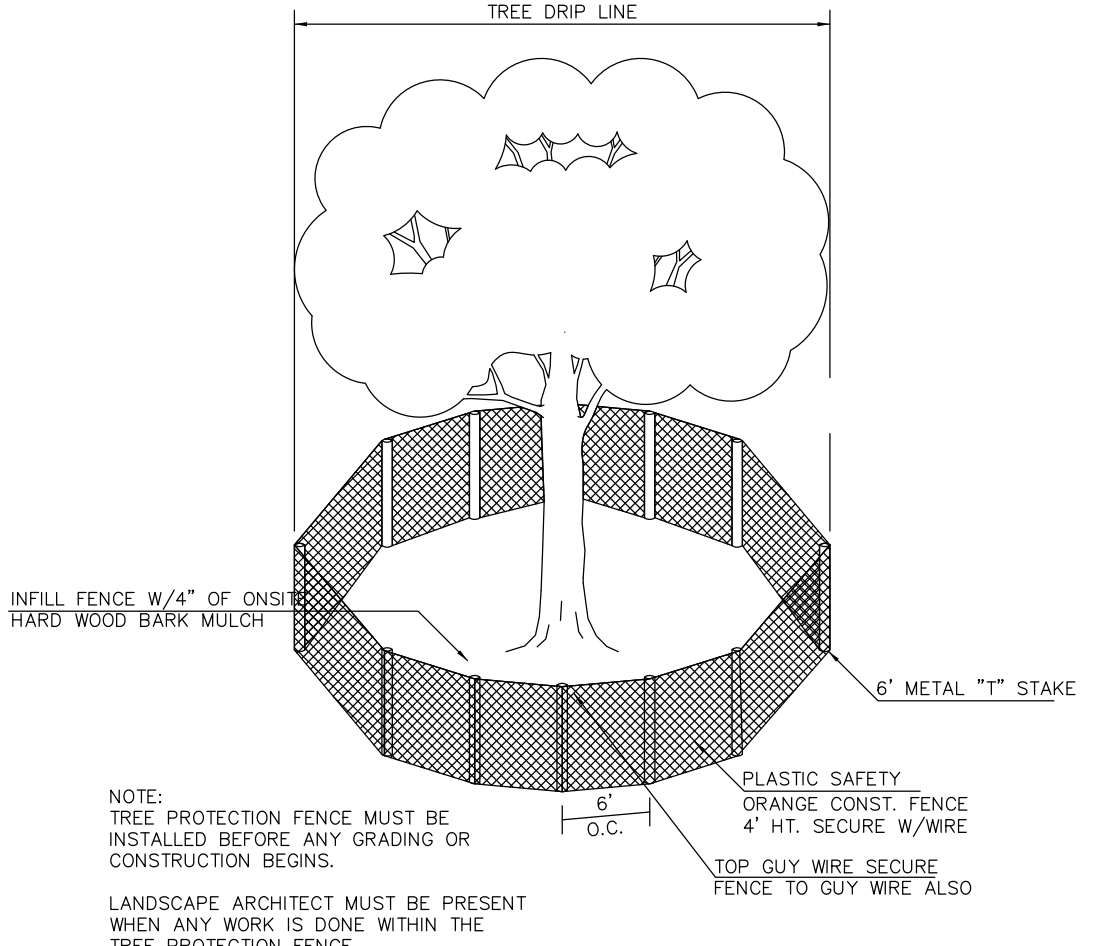
EXISTING TREE TO REMAIN

EXISTING TREE TO BE REMOVED

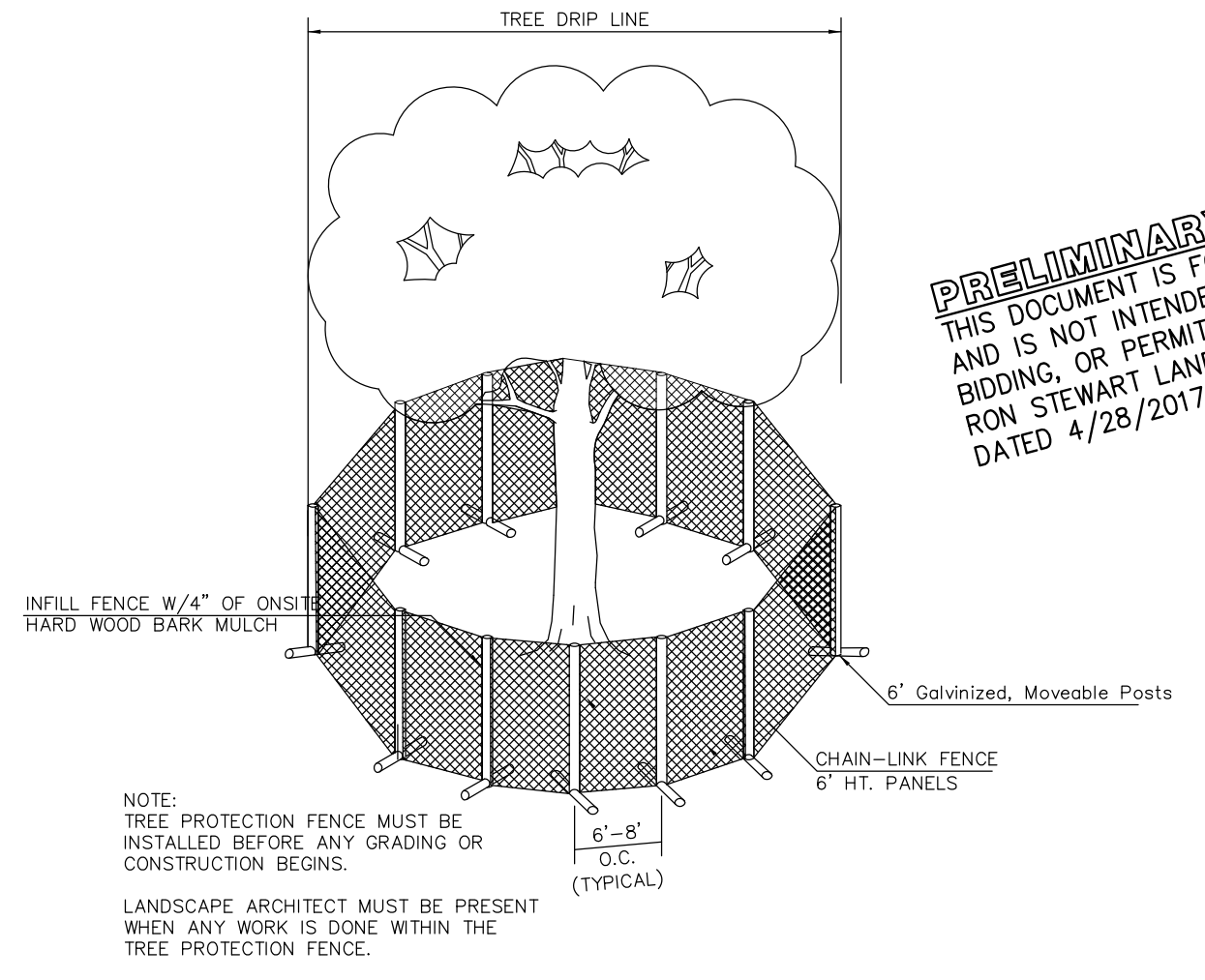
SPECIMEN TREE TO REMAIN

SPECIMEN TREE TO BE REMOVED

TREE PROTECTION FENCING

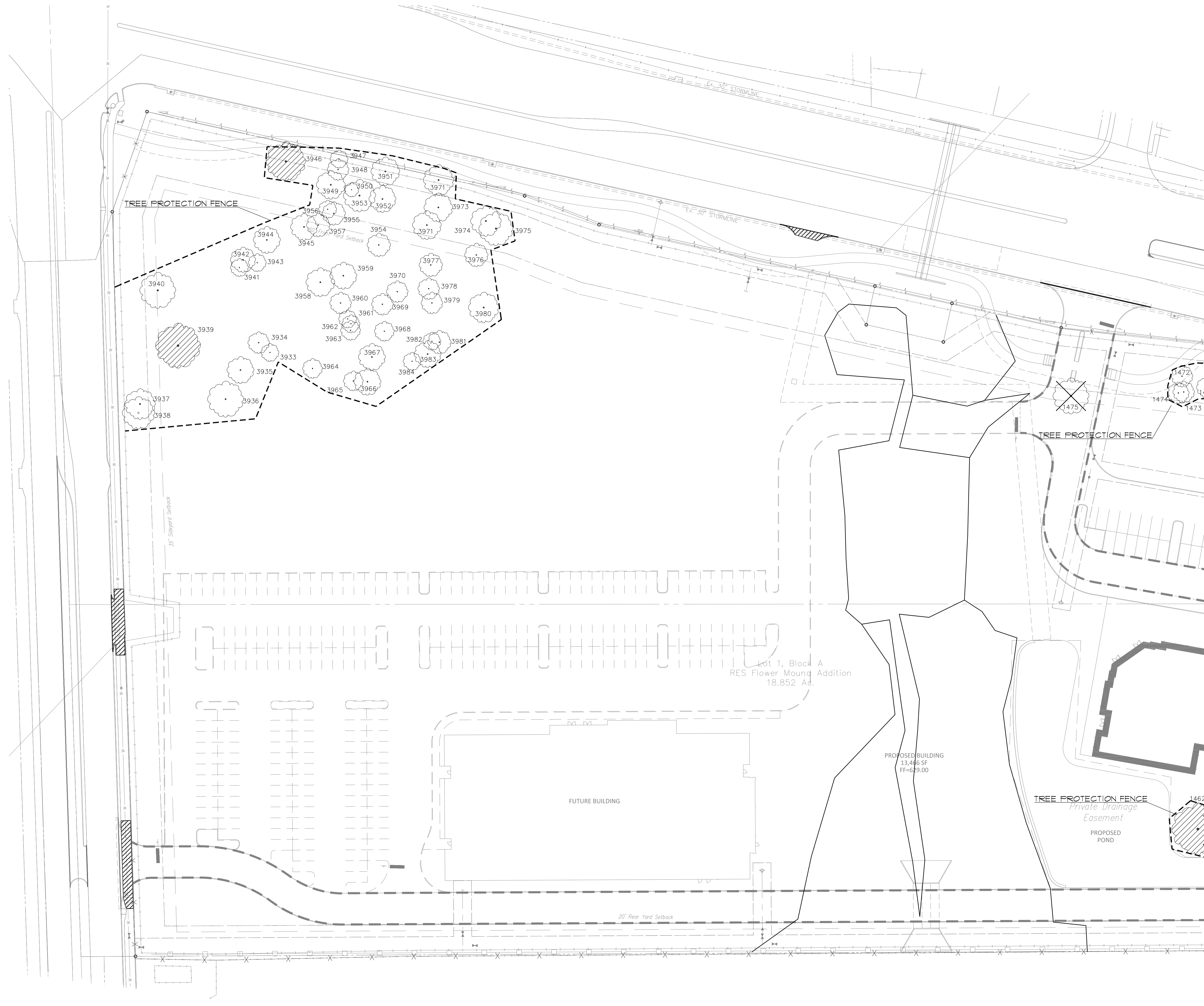


TREE PROTECTION  
(Non-specimen)



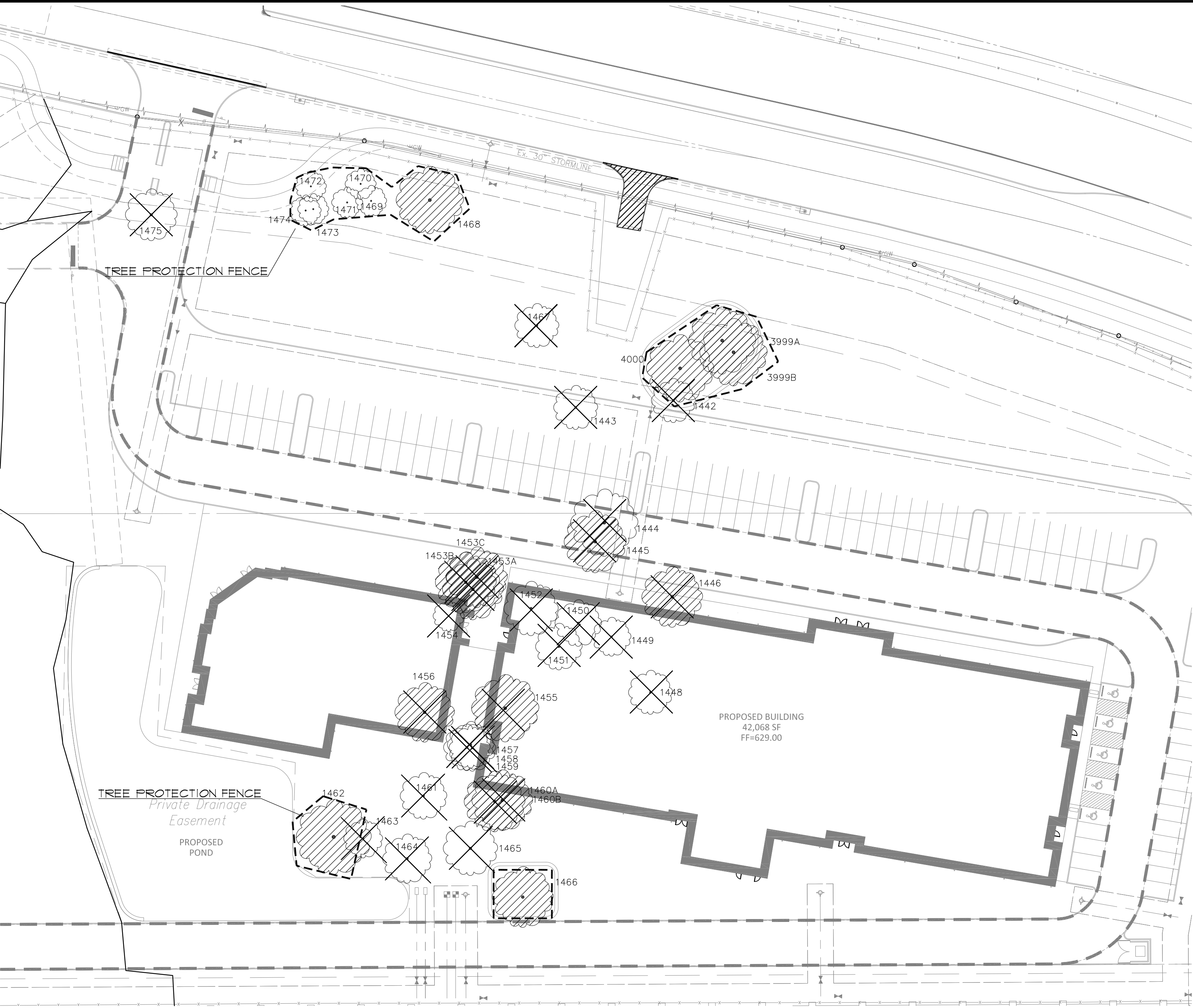
TREE PROTECTION  
(Specimen)

OWNER/DEVELOPER  
RESPONSIVE EDUCATION SOLUTIONS  
1301 WATER RIDGE DR.  
CITY OF LEWISVILLE  
Ph. 214-395-2823  
Contact: Brian Stevens



File: 2103161.dwg, Resonance.dwg, 1301 Water Ridge Dr., City of Lewisville, Texas  
Printed: 4/11/2017 12:13 PM, by: brian.stevens, 4/11/2017 12:27 PM, by: brian.stevens

File: J:\16248\16248.dwg, Plot: 16248.dwg, Plot Date: 4/28/2017 10:27 AM, Plot By: RLS  
Printed: 4/28/2017 10:27 AM, by: RLS, Scale: 1/8"=1'-0"



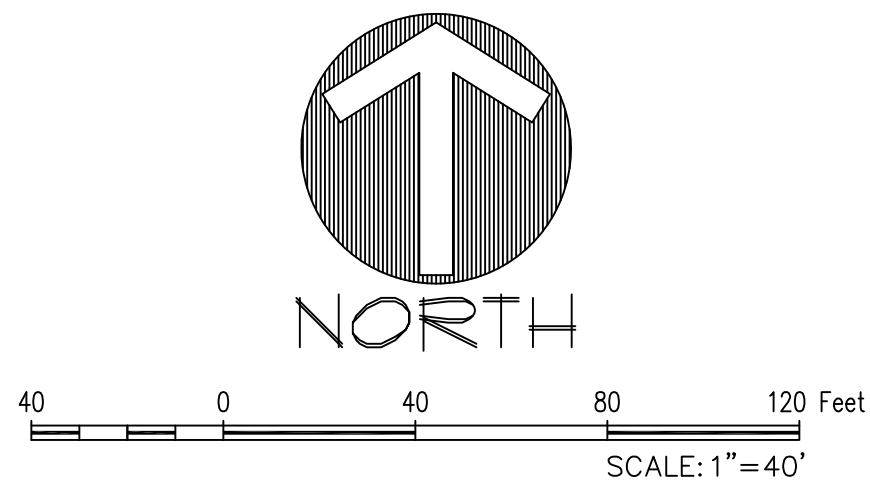
#### TREE PRUNING, REMOVAL AND PROTECTION MEASURES

- A. QUALITY ASSURANCE
- 1) Comply with applicable Federal, state, county and local regulations governing landscape work.
  - 2) Employ only experienced personnel. Provide adequate supervision by qualified foreman.
- B. JOB CONDITIONS
- 1) Coordination: Coordinate and cooperate with other contractors to enable the work to proceed as rapidly and efficiently as possible.
  - 2) In order to minimize conflict, secure from the Construction Manager copies of layout drawings showing the location of all underground utility lines and other structures.
- C. PRODUCTS
- 1) MULCH: Double shredded hardwood mulch free of sticks, dirt and other debris as derived from the site clearing.
- D. DEFINITIONS
- 1) CRZ: Critical Root Zone: The soil space directly under the canopy of any tree, extending out at least 7 feet from the trunk or 2/3 the distance to the dripline, whichever is greater.
  - 2) TPZ: Tree Protection Zone: The entire soil space located directly under the dripline of any tree (the entire dripline).
  - 3) CRS: Complete Root System: The soil space directly under the dripline of any tree and an additional 7 feet beyond said dripline.
  - TPF: Tree Protection Fence: The orange safety barrier netting that shall extend around the entire circumference of the tree at the TPZ.
- E. PRE - CONSTRUCTION TREE PRUNING
- 1) Personnel Qualifications: All pruning shall be performed under the supervision of an International Society Arboriculture (ISA) Certified Arborist.
  - 2) All trees within the project area shall be pruned to:
    - i) Clear the crown of diseased, crossing, weak and dead wood to a minimum of 1 ½ inches in diameter.
    - ii) Provide 14 feet of vertical clearance over streets and 8 feet over sidewalks.
    - iii) Remove stubs, cutting outside the woundwood tissue that has formed around the branch.
    - iv) Reduce end weight on heavy, horizontal branches by selectively removing small diameter branches, no greater than 2 to 3 inches, near the ends of the scaffolds.
  - 3) Pruning cuts shall be made in accordance with ANSI 300 Pruning Standard and work shall be performed in accordance with ANSI Z133.1 Safety Standard. Pruning shall be in accordance with ISA's Best Management Practices: Tree Pruning
  - 4) No more than 20 percent of live foliage shall be removed from any tree.
  - 5) Brush shall be chipped and chips shall be spread underneath trees within the tree protection zone to a maximum depth of 4 inches, leaving the trunk clear of mulch.

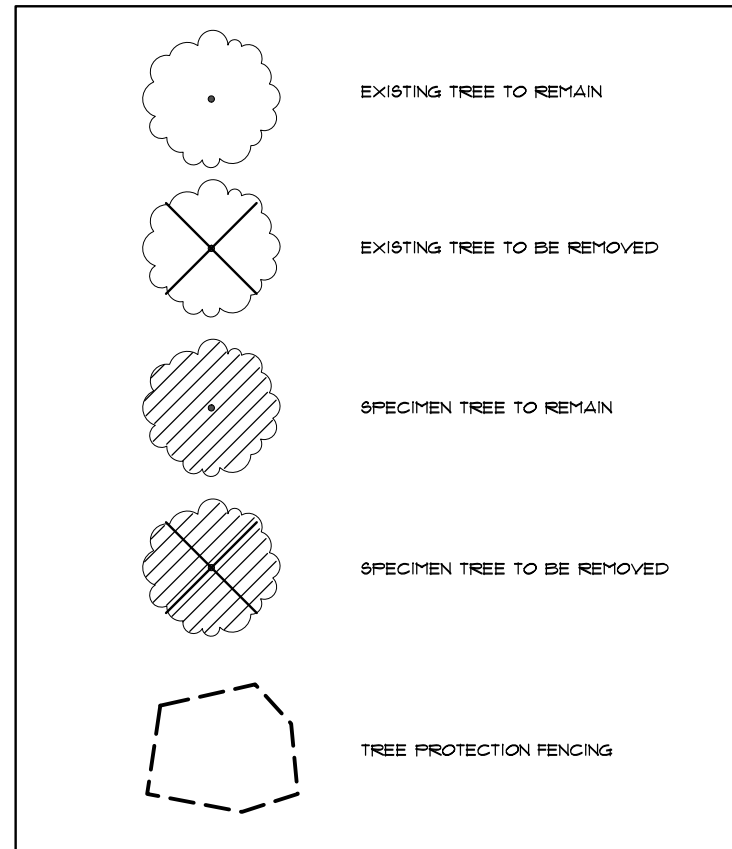
- F. TREE REMOVAL
- 1) Trees preservation requires a commitment to preserving and maintaining retained trees, as well as removal of any unsited trees within the Project Area.
  - 2) All wood debris from all tree removals at the Project Site is to be chipped and stored on site for use on site in the tree preservation efforts at the discretion of the Landscape Architect.
  - 3) The limits of all tree protection zones shall be staked in the field and observed by all contractors.
  - 4) Any brush clearing required within the tree protection zone shall be accomplished with hand operated equipment.
  - 5) Trees to be removed from within the tree protection zone shall be removed under the supervision of a Certified Arborist. The trees shall be cut near ground level and the stump ground out.
- G. TREE PROTECTION
- 1) Before beginning work, the Project Manager, Landscape Architect and/or Owner or their agents are required to meet at the site to review all work procedures, access routes, storage areas, and tree protection measures. Any intended construction activities inside the TPZ shall be clearly outlined on the Project Site. Fences will define the specific protection zone for each tree or group of trees. Fences are to be maintained and remain until all site work has been completed and final landscape operations begin. Fences may not be relocated or removed without written permission from the Landscape Architect. Fences may be constructed from 6' "T" stakes and orange web fence material.
  - 2) All trees to be preserved shall have 4 inches of hardwood mulch applied inside the tree protection zone. This hardwood mulch shall be replenished as necessary to maintain a 4 inch depth.
  - 3) Construction trailers, traffic and storage areas must remain outside fenced areas at all times. Tree roots extend out in a straight, radial direction from the tree much like spokes on a wheel (to a depth generally not exceeding 24"). All underground utilities and drain or irrigation lines shall be routed outside the tree protection zone. If lines must traverse the protection area, they shall be tunneled or bored under the tree. Trench es "airdug" with Air Spade (registered trademark) or similar technology are the only exceptions. Irrigation line may be routed in any direction outside the dripline of retained trees. Irrigation lines inside the dripline must be in a straight, radial direction towards the tree trunk and terminate in a dead end sprinkler head no greater than 7 feet from a tree trunk. (Irrigation lines shall not in any way bisect and therefore damage the "spoke-like" root system).
  - 4) No materials, equipment, spoil, or waste or washout water may be deposited, stored, or parked within the tree protection zone.
  - 5) If unintentional injury should occur to any tree during construction, it shall be reported to the Landscape Architect within six hours so that remedial action can be taken. Timeliness is critical to tree health. The cost of any remedial treatments will become the burden of the offending contracting company.
  - 6) Any grading, construction, demolition, or other work that is expected to encounter tree roots must be monitored by the Landscape Architect. Specific locations or tree tag numbers should be identified.

#### TREE CHART

|     | TREE # | CALIPER (") | COMMON NAME   | BOTANICAL NAME      | PROTECTED | REMOVED | HEALTH    | REMARKS  | MIT. INCHES | MIT. CREDIT | LS CREDIT |
|-----|--------|-------------|---------------|---------------------|-----------|---------|-----------|----------|-------------|-------------|-----------|
| 1   | 1442A  | 15          | POST OAK      | Quercus stellata    | Yes       | Yes     | HEALTHY   |          | 15          |             |           |
| 2   | 1442B  | 13.5        | POST OAK      | Quercus stellata    | Yes       | Yes     | HEALTHY   |          | 13.5        |             |           |
| 3   | 1443   | 17          | POST OAK      | Quercus stellata    | Yes       | Yes     | HEALTHY   |          | 17          |             |           |
| 4   | 1444A  | 19          | POST OAK      | Quercus stellata    | Yes       | Yes     | HEALTHY   |          | 19          |             |           |
| 5   | 1444B  | 6.5         | POST OAK      | Quercus stellata    | Yes       | Yes     | HEALTHY   |          | 6.5         |             |           |
| 6   | 1445   | 24          | POST OAK      | Quercus stellata    | Yes       | Yes     | HEALTHY   | Specimen | 48          |             |           |
| 7   | 1446   | 23.5        | POST OAK      | Quercus stellata    | Yes       | Yes     | HEALTHY   | Specimen | 47          |             |           |
| 8   | 1448   | 17          | POST OAK      | Quercus stellata    | Yes       | Yes     | HEALTHY   |          | 17          |             |           |
| 9   | 1449   | 15          | POST OAK      | Quercus stellata    | Yes       | Yes     | HEALTHY   |          | 15          |             |           |
| 10  | 1450A  | 8           | POST OAK      | Quercus stellata    | Yes       | Yes     | HEALTHY   |          | 8           |             |           |
| 11  | 1450B  | 13          | POST OAK      | Quercus stellata    | Yes       | Yes     | HEALTHY   |          | 13          |             |           |
| 12  | 1450C  | 15.5        | POST OAK      | Quercus stellata    | Yes       | Yes     | HEALTHY   |          | 15.5        |             |           |
| 13  | 1451   | 18          | POST OAK      | Quercus stellata    | Yes       | Yes     | HEALTHY   |          | 18          |             |           |
| 14  | 1452   | 21          | POST OAK      | Quercus stellata    | Yes       | Yes     | HEALTHY   |          | 21          |             |           |
| 15  | 1453A  | 15          | POST OAK      | Quercus stellata    | Yes       | Yes     | HEALTHY   |          | 15          |             |           |
| 16  | 1453B  | 19.5        | POST OAK      | Quercus stellata    | Yes       | Yes     | HEALTHY   |          | 19.5        |             |           |
| 17  | 1453C  | 23.5        | POST OAK      | Quercus stellata    | Yes       | Yes     | HEALTHY   | Specimen | 47          |             |           |
| 18  | 1454   | 12          | POST OAK      | Quercus stellata    | Yes       | Yes     | HEALTHY   |          | 12          |             |           |
| 19  | 1455   | 26          | POST OAK      | Quercus stellata    | Yes       | Yes     | HEALTHY   | Specimen | 52          |             |           |
| 20  | 1456   | 23          | POST OAK      | Quercus stellata    | Yes       | Yes     | HEALTHY   | Specimen | 46          |             |           |
| 21  | 1457   | 16          | POST OAK      | Quercus stellata    | Yes       | Yes     | HEALTHY   |          | 16          |             |           |
| 22  | 1458   | 13          | POST OAK      | Quercus stellata    | Yes       | Yes     | HEALTHY   |          | 13          |             |           |
| 23  | 1459   | 13          | POST OAK      | Quercus stellata    | Yes       | Yes     | HEALTHY   |          | 13          |             |           |
| 24  | 1460A  | 25          | POST OAK      | Quercus stellata    | Yes       | Yes     | BORERS    | Specimen | 50          |             |           |
| 25  | 1460B  | 25          | POST OAK      | Quercus stellata    | Yes       | Yes     | BORERS    | Specimen | 50          |             |           |
| 26  | 1461   | 20          | POST OAK      | Quercus stellata    | Yes       | Yes     | HEALTHY   |          | 20          |             |           |
| 27  | 1462   | 29          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   | Specimen |             | 6           |           |
| 28  | 1463   | 15          | POST OAK      | Quercus stellata    | Yes       | Yes     | HEALTHY   |          | 15          |             |           |
| 29  | 1464   | 19          | POST OAK      | Quercus stellata    | Yes       | Yes     | HEALTHY   |          | 19          |             |           |
| 30  | 1465   | 21          | POST OAK      | Quercus stellata    | Yes       | Yes     | HEALTHY   |          | 21          |             |           |
| 31  | 1466   | 22.5        | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   | Specimen |             | 6           |           |
| 32  | 1467A  | 14.5        | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          | 14.5        |             |           |
| 33  | 1467B  | 20          | POST OAK      | Quercus stellata    | Yes       | Yes     | HEALTHY   |          | 20          |             |           |
| 34  | 1468   | 27          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   | Specimen |             |             | 6         |
| 35  | 1469   | 16          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          |             |             | 4         |
| 36  | 1470   | 12          | BLACKJACK OAK | Quercus marilandica | Yes       | No      | HEALTHY   |          |             |             | 2         |
| 37  | 1471   | 12          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          |             |             | 2         |
| 38  | 1472A  | 15          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          |             |             | 4         |
| 39  | 1472B  | 16.5        | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          |             |             | 4         |
| 40  | 1472C  | 18          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          |             |             | 4         |
| 41  | 1473A  | 17.5        | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          |             |             | 4         |
| 42  | 1473B  | 19          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          |             |             | 4         |
| 43  | 1474A  | 12.5        | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          |             |             | 4         |
| 44  | 1474B  | 18          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          |             |             | 4         |
| 45  | 1475   | 20          | AMERICAN ELM  | Ulmus americana     | Yes       | Yes     | HALF DEAD |          |             | 0           | 4         |
| 46  | 3933   | 10          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          |             | 2           |           |
| 47  | 3934   | 12          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          |             | 2           |           |
| 48  | 3935   | 15          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          |             | 4           |           |
| 49  | 3936   | 20          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          |             | 4           |           |
| 50  | 3936   | 18          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          |             | 4           |           |
| 51  | 3937   | 17          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          |             |             | 4         |
| 52  | 3938   | 18          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          |             |             | 4         |
| 53  | 3939   | 25          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   | Specimen |             | 6           |           |
| 54  | 3940   | 20          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          |             | 4           |           |
| 55  | 3941   | 18          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          |             |             | 4         |
| 56  | 3942   | 14          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          |             |             | 4         |
| 57  | 3943   | 10          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          |             | 2           |           |
| 58  | 3944   | 15          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          |             |             | 4         |
| 59  | 3945   | 15          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          |             |             | 4         |
| 60  | 3946   | 22          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   | Specimen |             |             | 6         |
| 61  | 3947   | 10          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          |             |             | 2         |
| 62  | 3948   | 12          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          |             |             | 2         |
| 63  | 3949   | 16          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          |             |             | 4         |
| 64  | 3950   | 8           | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          |             |             | 2         |
| 65  | 3951   | 16          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          |             |             | 4         |
| 66  | 3952   | 15          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          |             |             | 4         |
| 67  | 3953   | 18          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          |             |             | 4         |
| 68  | 3954   | 13          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          |             |             | 4         |
| 69  | 3955   | 13          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          |             | 4           |           |
| 70  | 3956   | 10          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          |             |             | 2         |
| 71  | 3957   | 13          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          |             |             | 4         |
| 72  | 3958   | 16          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          |             | 4           |           |
| 73  | 3959   | 15          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          |             | 4           |           |
| 74  | 3960   | 12          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          |             | 2           |           |
| 75  | 3961   | 10          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          |             | 2           |           |
| 76  | 3962   | 10          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          |             | 2           |           |
| 77  | 3963   | 11          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          |             | 2           |           |
| 78  | 3964   | 11          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          |             | 2           |           |
| 79  | 3965   | 11          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          |             | 2           |           |
| 80  | 3966   | 15          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          |             | 4           |           |
| 81  | 3967   | 15          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          |             | 4           |           |
| 82  | 3968   | 11          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          |             | 2           |           |
| 83  | 3969   | 12          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          |             | 2           |           |
| 84  | 3970   | 15          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          |             | 4           |           |
| 85  | 3971   | 16          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          |             |             | 4         |
| 86  | 3971   | 17          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          |             |             | 4         |
| 87  | 3973A  | 9.5         | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          |             | 2           |           |
| 88  | 3973B  | 11          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          |             | 2           |           |
| 89  | 3974   | 17          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          |             |             | 4         |
| 90  | 3975   | 19          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          |             |             | 4         |
| 91  | 3976   | 13          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          |             | 4           |           |
| 92  | 3977   | 13          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          |             | 4           |           |
| 93  | 3978   | 15          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          |             | 4           |           |
| 94  | 3979   | 12          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          |             | 2           |           |
| 95  | 3980   | 17          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          |             | 4           |           |
| 96  | 3981   | 13          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          |             | 4           |           |
| 97  | 3982   | 10          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          |             | 2           |           |
| 98  | 3983   | 15          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          |             | 4           |           |
| 99  | 3984   | 10          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   |          |             | 2           |           |
| 100 | 3999A  | 24.5        | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   | Specimen |             | 6           |           |
| 101 | 3999B  | 25          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   | Specimen |             | 6           |           |
| 102 | 4000   | 25          | POST OAK      | Quercus stellata    | Yes       | No      | HEALTHY   | Specimen |             | 6           |           |



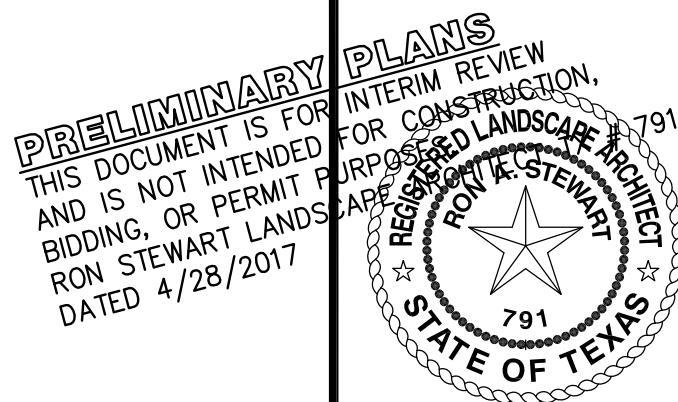
#### LEGEND



#### MITIGATION

716.5" / 3" CALIPER= 239 MITIGATION TREES  
140 MITIGATION CREDITS  
99 3" CALIPER TREES

#### TREE SURVEY



Drawn By: RLS  
Date: 1/17/2017  
Scale: 1"=40'  
Revisions:  
4/11/2017

16248

L2.1



## ENVIRONMENTAL CONSERVATION COMMISSION AGENDA ITEM NO. 3

### WORK SESSION ITEM

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**DATE:** May 2, 2017  
**FROM:** Misty Adams, Environmental Programs Coordinator  
**ITEM:** Discuss the sustainability initiatives and provide updates.

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**BACKGROUND INFORMATION:** This work session item provides the ECC the opportunity to continue the discussion of the sustainability initiatives, and review any updates. Staff will provide the Commission with the current status of the following prioritized list of initiatives.

- 1. Evaluate options to enhance Town-wide recycling and waste management practices; including LISD and multifamily options** – The ECC members have recognized that the Town’s recycling efforts recently have been effective for single-family residential recycling rates; however, the members identified that the commercial, educational/LISD, and multi-family properties either do not have the same options or there may be some limiting factors that affect their ability to recycle. The Town approved Republic Waste Services as the residential/commercial waste and residential recycling provider for the next 5-year cycle. ECC members indicated a desire to initiate a review and an assessment of multi-family recycling options. In addition, ECC members indicated a desire to add green waste diversion to Republics contact as part of this initiative.

*Status: **Ongoing.** The Town approved the new waste/recycling services contract with Republic Services; effective 10/1/16. Recycling options can continue to be evaluated. The 2015 – 2016 FY report from Waste Management has been provided to the Commission. An update from Republic will be requested in the future. ECC members and staff will begin reviewing multi-family recycling options.*

- 2. Enhance Stormwater Management Program (SWMP) educational material** – Enhancing the current educational and promotional aspects of the Town’s Stormwater Management Program (SWMP) would help meet the objectives proposed within the new five-year SWMP. This initiative would result in additional resources being dedicated to creating FMTV spots and enhanced webpages, educational programs and presentations, and an increase in the amount of information disseminated through utility bill inserts and other formats for stormwater-related education.

*Status: **Ongoing.** Stormwater educational items have included the second grade environmental education program, middle school events, fall and spring trash off and environmental fairs, FMTV spots, and three utility bill inserts.*

- 3. Promote and conduct environmental classes and programs** – The ECC would be actively involved with this initiative to increase the number of educational classes held at the Library and at other appropriate sites within the Town. Town resources would also be utilized to promote and conduct additional environmental programs. Some classes and programs are already being conducted by staff, so this initiative would result in additional review and participation by ECC members, as well as new educational classes dedicated to a variety of topics that could positively impact residents. Promoting and expanding the opportunities associated with the Town’s volunteer Stream Team is an additional component of this initiative. With the addition of the new Tree Farm at Green Acres Farm Memorial park, ECC members recommend additional education programming to be held there. In addition, ECC requested staff to evaluate access options to the current Outdoor Learning Area (OLA) to utilize in 2017 and beyond. In 2017, an

additional education opportunity was added, Mayors' Monarch Pledge, which would help to encourage and educate residents about the declining Monarch population.

*Status: **Ongoing.** Education programs are underway for 2017 and include an Earth Day Celebration, Mayors' Monarch Pledge, and the start of the spring 2<sup>nd</sup> grade Environmental Education Program. Opportunities for new classes/programs include expanding environmental education with a 3<sup>d</sup> and 7<sup>th</sup> grade curriculum, High School curriculum, and other areas of ECC member interest for classes and community programs. Staff is also pursuing opportunities to increase involvement in the Stream Team program by launching the quarterly email reminders to participants as well as Teacher Certification for the Stream Team Program.*

4. **Promote and adopt enhanced drought tolerant landscaping practices at Town facilities** – This initiative incorporates a drought tolerant landscaping standard for new Town projects and requires the inclusion of drought tolerant landscaping options during the project review process. In addition to new projects, it is proposed that landscaping revisions to existing Town facilities include drought tolerant landscaping components when landscaping is replaced. Promotion and education of drought tolerant landscaping is an additional component of this initiative. The Town has included such practices at the Senior Center and Operations and Maintenance Facility, so this initiative would be improving upon or enhancing a recent practice.

*Status: **Ongoing.** The proposed landscaping list was recommended for approval by ECC. The continued implementation of drought tolerant landscaping for Town projects is recommended. Drought tolerant landscaping practices have been incorporated within the plans for the new Town Hall project and other new Town facilities.*

5. **Establish an Arboretum** – ECC added this new initiative to evaluate the potential addition and location of an Arboretum. Establishing an Arboretum in the future would be an addition to the Town's educational initiatives related to trees. This initiative includes updating the acorns to oaks program to grow post oak seedlings at the new Tree Farm for potential use at an arboretum.

*Status: **Under Review.** This initiative needs to be reviewed to determine a viable location, program options, and review from additional Town Boards/Commissions. Potential Arboretum locations that have been discussed include: Green Acres Farm Memorial Park, Glenwick Park, Heritage Park, and the Outdoor Learning Area.*

6. **Energy conservation** – This initiative includes implementing energy saving practices at Town facilities and potentially utilizing recommendations from a prior energy audit and potential future energy audits. The previously recommended implementation of LEED guided design principles for new Town facilities or enhancements for existing Town facilities may also be included within this initiative.

*Status: **Ongoing.** Town Staff/Departmental Responsibility; initiated and ongoing.*

7. **Conduct a Town-wide tree canopy analysis** – The tree canopy analysis will enable the ECC and staff to compare the approximate Town-wide canopy growth or loss over time and review policies and practices related to canopy protection and growth. The Town recently purchased Feature Analyst software to more effectively assess the Town's canopy. The most recent assessment utilizing the 2014 National Agriculture Imagery Program (NAIP) data resulted in approximate Town-wide canopy coverage of 27%.

*Status: **Completed Initial Assessment.** The 2014 data analysis has been completed. The canopy analysis is an ongoing process on a proposed 2-year cycle. The next assessment is scheduled for the summer of 2017 to analyze new 2016 aerial data.*

- **Conduct a review of the Tree Ordinance mitigation requirements (A comprehensive review of the Tree Ordinance was added to this initiative in 2015)** – The ECC recommended the removal of the exception clause for mitigation requirements within the Lakeside Business District, Denton Creek District, and SPAs. Town Council adopted an amendment to the Tree Ordinance on July 20, 2015, to remove the exception clause. Non-residential development projects are now required to meet the mitigation requirements for the removal of protected and specimen trees. The ECC also began conducting a comprehensive review of the Tree Ordinance in the fall of 2015, and provided recommended amendments for Town Council consideration in November 2016.

*Status: **Completed/ Removed.** The amendments to Ch. 94 “Trees” were considered by the Town Council at the November 21, 2016, Town Council meeting. The Town Council approved the general ordinance amendments including a specimen post oak size reduction to 22 inches and the preservation incentive provisions. The Town Council denied the proposed amendment to allow specimen tree removal permits to be approved administratively.*

The Town Council requested that the ECC and staff continue to work on the established initiatives at the joint work session scheduled for February 16, 2017.

#### **ALTERNATIVES/OPTIONS:**

N/A

#### **ATTACHMENTS:**

1. ECC Sustainability Initiatives 2017

**RECOMMENDATION:** This item is for discussion purposes; therefore, no formal action is required.

| <div>ECC Sustainability Initiatives 2017</div> <div>MISSION STATEMENT: To promote responsible environmental stewardship by adopting policies and procedures that will enhance our quality of life and benefit our future communities while preserving our heritage.</div> |                                                                                                                                                                |                                                                                     |                                                                                                                                                                                                                                          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Priority Rank                                                                                                                                                                                                                                                             | Initiative                                                                                                                                                     | Performance Measure                                                                 | Notes                                                                                                                                                                                                                                    |
| 1                                                                                                                                                                                                                                                                         | Evaluate options to enhance Town-wide recycling; including LISD and multifamily options                                                                        | 🔄 Town-wide Recycling - Multi-family recycling option assessment                    | The Town approved the new waste/recycling services contract with Republic Services; effective 10/1/16. Recycling options can continue to be evaluated. An update from Republic will be requested in the future.                          |
|                                                                                                                                                                                                                                                                           |                                                                                                                                                                | 🔄 Waste Reduction at Town facilities                                                |                                                                                                                                                                                                                                          |
|                                                                                                                                                                                                                                                                           |                                                                                                                                                                | 🔄 Green Waste option review                                                         | 1/3/17 - The ECC discussed a desire to review options to add green waste diversion to the Republic contract & assess multi-family recycling options.                                                                                     |
| 2                                                                                                                                                                                                                                                                         | Enhance Stormwater Management Program educational material                                                                                                     | 🔄 Create FMTV spots, use social media, distribute educational material              | Ongoing initiative through the SWMP. Stormwater educational items have included the second grade environmental education program, fall and spring trash off and environmental fairs, FMTV spots, and three utility bill inserts.         |
| 3                                                                                                                                                                                                                                                                         | Promote and conduct environmental classes and programs                                                                                                         | 🔄 Conduct Stormwater and Stream Team classes at the Library                         | Multiple tree education classes have been conducted in 2016.                                                                                                                                                                             |
|                                                                                                                                                                                                                                                                           |                                                                                                                                                                | 🔄 Utilize Town resources to promote and conduct more environmental programs         | Opportunities for new classes/programs include expanding environmental education with a 7th grade curriculum, High School curriculum, and other areas of ECC member interest for classes and community programs.                         |
|                                                                                                                                                                                                                                                                           |                                                                                                                                                                | 🔄 Utilize New Tree Farm to conduct educational programs                             | 1/3/17 - ECC added new performance measure to add and track educational programs to the new tree farm location at Green Acres Memorial Park                                                                                              |
|                                                                                                                                                                                                                                                                           |                                                                                                                                                                | 🔄 Utilize the Outdoor Learning Area (OLA) for educational events/programs           | 1/3/17 - ECC requested staff to evaluate access options to the current OLA to utilize the area in 2017 & beyond. Access is currently limited and future trail connectivity may not be possible.                                          |
|                                                                                                                                                                                                                                                                           |                                                                                                                                                                | 🔄 Implement Mayors' Monarch Pledge                                                  | Mayors' Monarch Pledge was approved by the Mayor at the TC & ECC Joint Work session on Feb. 16, 2017. This pledge is an ongoing initiative to engage and educate residents about the decline of Monarchs and help in their conservation. |
| 4                                                                                                                                                                                                                                                                         | Promote and adopt enhanced drought tolerant landscaping practices at Town                                                                                      | 🏡 Drought Tolerant landscape practices at Town Facility                             | The proposed landscaping list was recommended for approval by ECC; initiated and ongoing for Town projects. The continued implementation of drought tolerant landscaping for Town projects is recommended.                               |
|                                                                                                                                                                                                                                                                           |                                                                                                                                                                | 🏡 Water conservation material distributed through water bill. Conservation Classes. |                                                                                                                                                                                                                                          |
|                                                                                                                                                                                                                                                                           |                                                                                                                                                                | ☑ Review recommended planting list                                                  | Planting list was discussed and approved by ECC.                                                                                                                                                                                         |
| 5                                                                                                                                                                                                                                                                         | Establish an Arboretum                                                                                                                                         | 🏡 Review and discuss options for an Arboretum                                       | 1/3/17 - ECC added a new Initiative to evaluate the potential addition and location of an Arboretum. Staff to work with Boards/Commissions                                                                                               |
| 6                                                                                                                                                                                                                                                                         | Energy conservation                                                                                                                                            | 🏡 Include LEED guided design principles for new Town projects                       | Town Staff/Departmental Responsibility; initiated and ongoing.                                                                                                                                                                           |
|                                                                                                                                                                                                                                                                           |                                                                                                                                                                | 🏡 Implement reduced energy use practices in Town facilities                         |                                                                                                                                                                                                                                          |
|                                                                                                                                                                                                                                                                           |                                                                                                                                                                | ☑ Conduct an energy audit of Town Facilities                                        | Preliminary energy audit completed; future audits and implementation dependent upon Budget.                                                                                                                                              |
| 7                                                                                                                                                                                                                                                                         | Conduct a Town-wide tree canopy analysis                                                                                                                       | ☑ Town-wide tree canopy analysis completed                                          | Completed 2014 data analysis; ongoing process on a proposed 2-year cycle. The next assessment is scheduled for early 2017 to analyze new 2016 aerial data.                                                                               |
| ☑                                                                                                                                                                                                                                                                         | <del>Conduct a review of the Tree Ordinance mitigation requirements (A comprehensive review of the Tree Ordinance was added to this initiative in 2015).</del> | ☑ <del>Mitigation Exception</del>                                                   | <del>Completed mitigation exception review.</del>                                                                                                                                                                                        |
|                                                                                                                                                                                                                                                                           |                                                                                                                                                                | ☑ <del>Tree Ordinance Review</del>                                                  | <del>The post oak specimen size reduction and incentives were approved, and the administrative approval amendment for specimen tree permits was denied at the 11-21-16 Town Council meeting.</del>                                       |

|                             |
|-----------------------------|
| ☑ Completed Initiatives     |
| 🔄 Ongoing Initiatives       |
| 🏡 Town/Departmental Ongoing |