



AGENDA

TOWN OF FLOWER MOUND ENVIRONMENTAL CONSERVATION COMMISSION REGULAR MEETING

December 5, 2017

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

6:30 P.M.

AN AGENDA INFORMATION PACKET IS AVAILABLE ONLINE AT
[HTTPS://TX-FLOWER MOUND.CIVICPLUS.COM/AGENDACENTER](https://tx-flowermound.civicplus.com/agendacenter)

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 A member of the Environmental Conservation Commission may request an item(s) be withdrawn from the consent agenda and moved to regular agenda for discussion by making such request prior to a motion and vote on the Consent Agenda.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 November 7, 2017.

F. REGULAR ITEMS

2. Consider an application for a tree removal permit for five (5) specimen trees on the property proposed for development as Oakbridge at Flower Mound, Phase 2. The property is generally located south of Flower Mound Road and west of Lake Forest Boulevard.

G. ADJOURNMENT- REGULAR SESSION

H. CALL WORK SESSION TO ORDER

I. WORK SESSION ITEMS

3. Review the sustainability initiatives and Environmental Conservation Commission goals for 2017, and discuss objectives for 2018.

J. COORDINATION OF FUTURE AGENDAS/MEETINGS

K. ADJOURNMENT – WORK SESSION



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: December 1, 2017, by 5:00 p.m., at least 72 hours prior to the schedule time of said meeting.



Emily Chapman
Administrative Assistant



ENVIRONMENTAL CONSERVATION COMMISSION AGENDA ITEM NO. 1

CONSENT ITEM

DATE: December 5, 2017

FROM: Emily Chapman, Administrative Assistant

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

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

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

FLOWER MOUND ENVIRONMENTAL CONSERVATION COMMISSION MEETING OF NOVEMBER 7, 2017

THE FLOWER MOUND ENVIRONMENTAL CONSERVATION COMMISSION MEETING HELD ON THE 7TH DAY OF NOVEMBER 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:

Russell McNamer	Chair
Thomas Bailey	Vice Chair
James Naylor	Commission Member, Place 1
Michael Lamminen	Commission Member, Place 2
Marilyn Lawson	Commission Member, Place 4
Alton Bowman	Commission Member, Place 5
Thomas Bailey	Commission Member, Place 6
James Gerber	Commission Member, Place 7
Elaine Takacs	Commission Member, Place 8
Shery Layne	Commission Member, Place 9
James Seastrom	Commission Member, Place 10

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
James Hoefert	Environmental Review Analyst

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

B. INVOCATION AND PLEDGE OF ALLEGIANCE

C. CITIZENS/VISITORS COMMENTS

Names listed below don't necessarily reflect the order in which each person spoke and all addresses are located in Flower mound unless otherwise indicated.

	Speaker names and address	Subject (as written on the form)
1.	KC Walsh, 3525 High Road	Serenity Open Space Plan
2.	Melissa Wilson, 3200 High Road	Open Space Serenity Cluster
3.	Caroline Finley, 2600 Bourne Lane	

D. STAFF REPORT

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

FLOWER MOUND ENVIRONMENTAL CONSERVATION COMMISSION MEETING OF NOVEMBER 7, 2017

E. CONSENT AGENDA

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

Commission Deliberation

Vice Chair Bailey made a motion to approve the October 3, 2017, minutes as presented. Commission Member Naylor seconded the motion.

VOTE ON THE MOTION

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

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

F. REGULAR ITEMS

- 2. Consider a recommendation to the Planning and Zoning Commission and Town Council of a Concept Plan for the proposed Serenity cluster development. The property is generally located south of FM 1171 and west of High Road.**

Staff Presenter

James Hoefert, Environmental Review Analyst, gave a presentation with the following items included:

- Cluster Development Option Overview
- Project Information
- Property Overview
- EPP Exhibit 6 - Habitat and Proposed Habitat Impacts
- EPP Exhibit 7 - Riparian Habitat
- EPP Exhibit 8 - Water Impact
- EPP Exhibit 9 - FEMA 100 Flood Plain
- EPP Exhibit 10 - Topographic Slope
- Open Space Plan
- Unauthorized Grading
- Recommendation

Tracy LaPiene, Ridinger Associates Inc. (550 S Edmonds Ln., Ste. 101, Lewisville, TX 75067), answered questions regarding the project and gave a presentation with the following items included:

- Development Projects
- Town's Mission/ Vision
- Project Overview
- Zoning Map
- Project Site Plan

FLOWER MOUND ENVIRONMENTAL CONSERVATION COMMISSION MEETING OF NOVEMBER 7, 2017

- Our Objective
- Our Plan
- Town Ordinance 64-13
- CTDD Standards
- Development Data
- Concept Plan
- Aerial with Lot Layout
- Tree Survey
- Tree Survey with Aerial
- Photos of the Property

Reginald Rembert, Rembert Enterprises, Inc. (3625 Bonanza Lane, Flower Mound, TX 75022), answered question regarding the project.

Commission Deliberation

Vice Chair Bailey made a motion to deny the recommendation to the Planning and Zoning Commission and Town Council of a Concept Plan for the proposed Serenity cluster development. The property is generally located south of FM 1171 and west of High Road. Commission Member Naylor seconded the motion.

VOTE ON THE MOTION

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

The motion passed with a vote of 4-2-0

3. Consider application for a tree removal permit for two (2) specimen trees on the Edgewood residential development. The first specimen tree is located at 805 Carter Court. The second specimen tree is located at 1708 Beckwood Court.

Staff Presenter

James Hoefert, Environmental Review Analyst, gave a presentation with the following items included:

- Site Location
- Project Information Overview
- Lot Layout
- Tree Survey
- Photo of Tree Proposed for Removal

Ron Stewart, G&A Consultants, LLC (111 Hillside Drive, Lewisville, TX 75057), gave a presentation with the following items included:

- Letter of Intent
- Tree Survey
- Site Development Plan

FLOWER MOUND ENVIRONMENTAL CONSERVATION COMMISSION MEETING OF NOVEMBER 7, 2017

Commission Deliberation

Vice Chair Bailey made a motion to approve the application for a tree removal permit for two (2) specimen trees on the Edgewood residential development. The first specimen tree is located at 805 Carter Court. The second specimen tree is located at 1708 Beckwood Court. Commission Member Naylor seconded the motion.

VOTE ON THE MOTION

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

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

4. Consider a request to amend the Land Development Regulations (LDR17-0003 – Tree Ordinance Amendment) by amending Chapter 94, entitled “Trees,” of the Town’s Code of Ordinances.

Staff Presenter

Matthew Woods, Director of Environmental Services and James Hoefert, Environmental Review Analyst, answered questions and gave a presentation with the following items included:

- House Bill No. 7
- Chapter 94 “Trees”
- Development Example
- Next Steps

Commission Deliberation

Vice Chair Bailey made a motion to approve the request to amend the Land Development Regulations (LDR17-0003 – Tree Ordinance Amendment) by amending Chapter 94, entitled “Trees,” of the Town’s Code of Ordinances. Commission Member Gerber seconded the motion.

VOTE ON THE MOTION

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

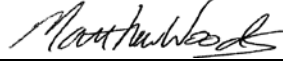
The motion passed with a vote of 6-0-0

G. COORDINATION OF FUTURE AGENDAS/MEETINGS

H. ADJOURNMENT – REGULAR SESSION 8:23 P.M.

FLOWER MOUND ENVIRONMENTAL CONSERVATION COMMISSION MEETING OF NOVEMBER 7, 2017

TOWN OF FLOWER MOUND, TEXAS



MATTHEW WOODS
DIRECTOR OF ENVIRONMENTAL SERVICES

ATTEST:



EMILY CHAPMAN
ADMINISTRATIVE ASSISTANT

DRAFT



ENVIRONMENTAL CONSERVATION COMMISSION AGENDA ITEM NO. 2

REGULAR ITEM

DATE: December 5, 2017
FROM: James Hoefert, Environmental Review Analyst
PRESENTER Matthew Hancock, with Studio 13
ITEM: **Consider an application for a tree removal permit for five (5) specimen trees on the property proposed for development as Oakbridge at Flower Mound, Phase 2. The property is generally located south of Flower Mound Road and west of Lake Forest Boulevard.**

BACKGROUND INFORMATION:

The Oakbridge at Flower Mound, Phase 2 development is generally located south of Flower Mound Road and west of Lake Forest Boulevard. The second phase of the development is approximately 19.441 acres in size. The site is zoned for Single-Family District-10 (SF-10) uses and is master planned for medium density residential uses. At the January 16, 2014, Town Council meeting, approval was granted to remove three (3) specimen trees from the site in order to construct the residential development. Now that full civil plans have been submitted to the Town with the Record Plat phase, the applicant is proposing to removal five (5) new specimen trees. The five (5) additional specimen trees proposed for removal are in good to fair condition.

The following is a list of the five (5) specimen trees requested for removal:

Tree #1395 (fair condition) – 28" post oak

Tree #1897 (fair condition) – 26.8" pecan

Tree #1902 (good condition) – 29.6" pecan

Tree #1903 (good condition) – 38" pecan

Tree #1909 (good condition) – 26.5" pecan

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 five (5) specimen trees, 294" of replacement trees, equaling 98 three-inch caliper trees, will be required for the removal of the five (5) specimen trees on this site.

CITIZEN FEEDBACK: As of December 1, 2017, staff has not received feedback related to this item.

ALTERNATIVES/OPTIONS: The ECC may recommend approval or denial of the requested tree removal permit, or may choose to recommend approval of the permit with conditions or changes.

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.
6. Landscape Plan.

RECOMMENDATION: Move to recommend approval or denial of the requested permit for the removal of five (5) specimen trees on the property proposed for development as Oakbridge at Flower Mound, Phase 2. The property is generally located south of Flower Mound Road and west of Lake Forest Boulevard.

November 17, 2017

James Hoefert
Environmental Review Analyst
1001 Cross Timbers Road
Flower Mound, Texas 75028



LANDSCAPE ARCHITECTURE
SITE PLANNING
TREE MITIGATION

Re: Oakbridge at Flower Mound, Ph. 2 : Tree Removal Application

Mr. Hoefert,

As required, we are submitting this document explaining the reasons for the tree removal at Oakbridge at Flower Mound, Ph. 2. The purpose of the removal of (5) five Specimen Trees is for single family development.

Tree 1395 – 28” Post Oak: Tree is proposed to be removed due to the location of the critical root zone being next to and affected by adjacent right-of-way, utilities & utility easement, substantial grading changes, and adjacent building pad (lot 6, Block B).

Tree 1897 – 26.8” Pecan: Tree is proposed to be removed due to it’s close proximity to propped building pad, retaining wall, and grade changes.

Tree 1902 – 29.6” Pecan & 1903 – 38” Pecan: Trees are proposed to be removed due to it’s close proximity to existing house and house foundation and adjacent grading changes. Significant construction measures will be taking place inside the canopy cover and critical root zones of both trees.

Tree 1909 – 26.5” Pecan: Tree is proposed to be removed due to the location of the critical root zone being next to and affected by adjacent right-of-way, utilities & utility easement, and minimal grade changes.

If you should have any questions, please do not hesitate to call.

Sincerely,

Leonard Reeves, RLA, ASLA, PLA
Studio 13 Design Group
386. West Main Street
Lewisville, TX 75057

Studio 13 Design Group
386 W. Main Street
Lewisville, Texas 75057
469-635-1900
www.studio13.bz

Town of Flower Mound

Application for: TREE REMOVAL PERMIT

(Effective for Developments submitted 10/6/08 - present)

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

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

Name:

LEONARD REEVES

Address:

386. WEST MAIN STREET
LEWISVILLE, TEXAS 75057

Phone:

469.635.1900

Applicant's Legal Interest in the Property:

CONSULTANT FOR OWNER OF PROPERTY

2. Property Owner(s)

Name(s): TOLL DALLAS TX, LLC

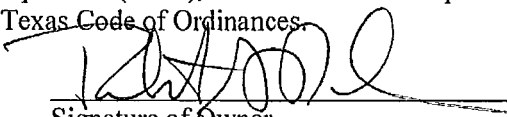
Address: 2557 S.W. GRAPEVINE PARKWAY, SUITE 100
GRAPEVINE, TEXAS 76051

3. Location and Legal Description of Property:

39.770 ACRES IN THE ROSANNAH BAKER SURVEY, ABSTRACT
NO. 49 - AN ADDITION IN THE TOWN OF FLOWER MOUND,
DENTON COUNTY, TEXAS.

4. Owner's Authorization of Representation

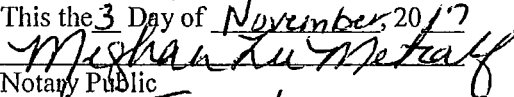
I, Robert G Paul, the owner of the above described real property, do hereby authorize Leonard Reeves to represent my interests and to file an Application for Tree Removal Permit for said real property, pursuant to the terms and provisions of Chapter 94 (Trees), of the Land Development Regulations of the Town of Flower Mound, Texas Code of Ordinances.


Signature of Owner



Given Under My Hand and Seal of Office

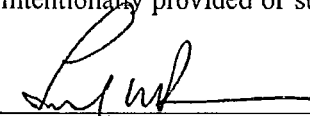
This the 3 Day of November, 2017

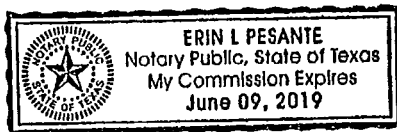

Notary Public

In and For Tarrant County, Texas.

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

Subject to criminal penalties contained in Subpart B, the Land Development Regulations of the Town of Flower Mound, Texas Code of Ordinances, I LEONARD REEVES, 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



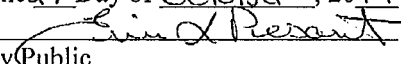
Landscape Architect License No. 1977

State of Licensure TEXAS

Or ISA Certified Arborist No. —

Given Under My Hand and Seal of Office

This the 27 Day of October, 2017


Notary Public

In and For Denton County, Texas

6. Received by Town of Flower Mound on (Date) 11/17/2017 by (initials) JRH.

Oakbridge at Flower Mound, Ph. 2

Specimen trees proposed for removal

Tree #1395 – 28" post oak



Tree #1897 – 26.8" pecan



Tree #1902 – 29.6" pecan



Tree #1903 – 38" pecan



Tree #1909 – 26.5" pecan



Tree Removal Request Signage

Along Aberdeen Dr.

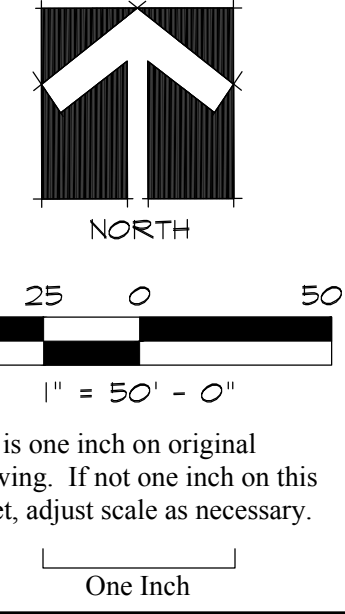


Along Foxborough Trl.

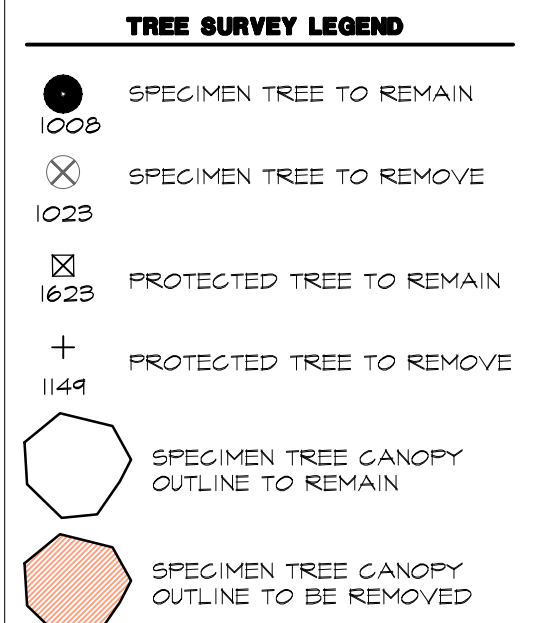


Along Sherry Ln.





Town of Flower Mound, Denton County, Texas

[illegible]

Oakbridge at Flower Mound, Ph. 2 - Tree Mitigation
Town of Flower Mound, Denton County, Texas

[illegible]

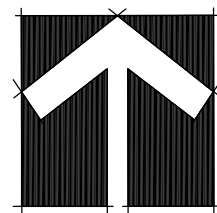


Studio 13 Design Group, PLLC.
386 W. Main Street
Lewisville, Texas 75057
469-635-1900

TBAE Firm #BR643



November 17, 2011



50 25 0 50
1" = 50' - 0"
Bar is one inch on original drawing. If not one inch on this sheet, adjust scale as necessary.

One Inch

LANDSCAPE AND SCREENING

Overall Landscape Plans

Oakbridge at Flower Mound PH. 2

Town of Flower Mound, Denton County, Texas

PLAN REVIEW REVISIONS	BY	DATE

PROJECT
TB1012

SHEET
Overall LS-1



LANDSCAPE LEGEND

- CEDAR ELM / ULMUS CRASSIFOLIA (3" CALIPER)
- COMMON BERMUDA GRASS SOLID SOD (MINIMUM 100% COVERAGE)
- COMMON BERMUDA HYDROMULCH (MINIMUM 100% COVERAGE; 70% DENSITY)
- EXISTING TREE TO REMAIN
- EXISTING SPECIMEN TREE TO REMAIN
- EXISTING SPECIMEN TREE TO BE REMOVED

PLANT LIST

SYMBOL	COMMON/BOTANICAL NAME	SIZE	SPACING	QTY.
LO	LIVE OAK / QUERCUS VIRGINIANA	3" CALIPER	AS SHOWN	14
TRO	TEXAS RED OAK / QUERCUS TEXANA	3" CALIPER	AS SHOWN	13
CE	CEDAR ELM / ULMUS CRASSIFOLIA	3" CALIPER	AS SHOWN	37
BO	BUR OAK / QUERCUS MACROCARPA	3" CALIPER	AS SHOWN	8
	COMMON BERMUDA HYDROMULCH	HYDROMULCH	SQUARE FEET	90,420
	COMMON BERMUDA GRASS SOD	SOLID SOD	SQUARE FEET	5,600

Drawing: S:\Projects\TB1012 - Oakbridge at Flower Mound Ph. 2\DWG\TB1012-LS Ph.2.dwg Saved By: Station11 Save Time: 10/31/2017 8:30 AM Plotted by: ##### Plot Date: 11/9/2017 10:36 AM



ENVIRONMENTAL CONSERVATION COMMISSION AGENDA ITEM NO. 3

WORK SESSION ITEM

DATE: December 5, 2017

FROM: Misty Adams, Environmental Programs Coordinator

ITEM: **Review the sustainability initiatives and Environmental Conservation Commission goals for 2017, and discuss objectives for 2018.**

BACKGROUND INFORMATION: This work session item provides the ECC the opportunity to review items and objectives completed in 2017, continue the discussion of the sustainability initiatives, and discuss potential goals and objectives for 2018. Staff will provide the Commission with the current status report for 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. 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 the Republic Services contract as part of this initiative.

*Status: **Ongoing.** Republic's recycling options, such as green waste, can continue to be evaluated. An update and presentation from Republic will be requested for the February ECC meeting. ECC members and staff will begin reviewing multi-family recycling options. Consideration of a separate recycling committee may be required to address multi-family recycling.*

- 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, seventh grade watershed education program, fall and spring trash off and environmental fairs, FMTV spots, and three utility bill inserts. Promoting and expanding the opportunities associated with the Town's volunteer Stream Team is an additional component of this initiative. Staff is in the process of becoming Stream Team Teacher Certified. 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.*

- 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, schools, 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. 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 the area in the future. In 2017, an additional education opportunity was added, Mayors' Monarch Pledge, which would help to encourage and educate residents about the declining Monarch butterfly population.

Status: **Ongoing.** Education programs are wrapping up for 2017 and this year included an Earth Day Celebration, Mayors' Monarch Pledge, the spring/fall 2nd grade Environmental Education Program, and the fall 7th grade watershed education program. Opportunities for new classes/programs in 2018 include expanding the environmental education programs to other areas of ECC member interest.

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 2016 National Agriculture Imagery Program (NAIP) data resulted in approximate Town-wide canopy coverage of 25%.

Status: **Completed Initial Assessment.** The 2016 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 2019 to analyze new 2018 aerial data.

ALTERNATIVES/OPTIONS:

N/A

ATTACHMENTS:

1. ECC Sustainability Initiatives 2017

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

ECC Sustainability Initiatives 2017			
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.			
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 for the 2/6 ECC meeting
		🔄 Waste Reduction at Town facilities	
		🔄 Green Waste option review	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	🔄 Conduct Stormwater and Stream Team classes at the Library	Staff received Stream Team certification on Oct. 14th and will soon host and train Stream Team Classes here in Flower Mound.
		🔄 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, utility bill inserts, and the new seventh grade stormwater/watershed education program.
3	Promote and conduct environmental classes and programs	🔄 Utilize Town resources to promote and conduct more environmental programs	Opportunities for new classes/programs include expanding environmental education to 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	Hosted Arbor Day on November 3, 2017 at the Tree Farm
		🔄 Utilize the Outdoor Learning Area (OLA) for educational events/programs	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 will need to be evaluated.
		🔄 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 Monarch butterflies 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 2016 aerial data analysis; ongoing process on a proposed 2-year cycle. The next assessment is scheduled for early 2019 to analyze new 2018 aerial data.

☑ Completed Initiatives
🔄 Ongoing Initiatives
🏡 Town/Departmental Ongoing