

AGENDA

TOWN OF FLOWER MOUND ENVIRONMENTAL CONSERVATION COMMISSION

REGULAR MEETING

May 3, 2022

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

6:30 P.M.

AN AGENDA INFORMATION PACKET IS AVAILABLE ONLINE AT
<https://www.flower-mound.com/agendacenter>

Comments regarding any item on this agenda can be sent to the Commission Members
by Emailing: ECC@flower-mound.com or Calling: 972.874.6340

A. CALL REGULAR MEETING TO ORDER – 6:30 PM

B. INVOCATION AND PLEDGE OF ALLEGIANCE

C. PUBLIC COMMENT

The purpose of this item is to allow the public an opportunity to address the ECC on issues that are not indicated as a "Public Hearing" on this agenda. Issues regarding daily operational or administrative matters should first be dealt with by calling Environmental Services at 972-874-6340 during business hours.

D. STAFF REPORT

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 A member of the Environmental Conservation Commission may request an item(s) be withdrawn from the consent agenda and moved to the regular agenda for discussion by making such a request prior to a motion and vote on the Consent Agenda.

Environmental Conservation Commission Meeting Agenda

May 3, 2022

Page 2

1. Consider approval of minutes from the regular meeting of the Environmental Conservation Commission held on April 5, 2022.

F. REGULAR ITEM

2. Consider an application for a tree removal permit (TRP22-0007) for ten (10) specimen trees on property proposed for development as Cotton Wood Logistics Center. The property is generally located south of Justin Road and west of Country Meadow Drive.

G. ADJOURNMENT- REGULAR SESSION

H. CALL WORK SESSION TO ORDER

I. WORK SESSION ITEM

1. Environmental Conservation Commission Sustainability Initiatives Update.

J. SUBCOMMITTEE REPORT

Receive updates and status reports related to subcommittee tasks, activities, and projects.

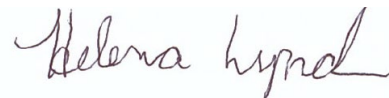
K. COORDINATION OF FUTURE AGENDAS/MEETINGS

L. 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: April 29, 2022, by 5:00 p.m., at least 72 hours prior to the scheduled time of the said meeting.



Helena Lynch
Administrative Assistant



ENVIRONMENTAL CONSERVATION COMMISSION AGENDA ITEM NO. 1

CONSENT ITEM

DATE: May 3, 2022

FROM: Helena Lynch, Administrative Assistant

ITEM: Consider approval of minutes from the regular meeting of the Environmental Conservation Commission held on April 5, 2022.

BACKGROUND INFORMATION: This agenda item is to consider approval of the minutes from the April 5, 2022, 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 April 5, 2022, regular meeting of the Environmental Conservation Commission.

RECOMMENDATION: Move to approve the minutes from the April 5, 2022, regular meeting of the Environmental Conservation Commission.

FLOWER MOUND ENVIRONMENTAL CONSERVATION COMMISSION MEETING OF APRIL 5, 2022

THE FLOWER MOUND ENVIRONMENTAL CONSERVATION COMMISSION MEETING HELD ON THE 5th DAY OF APRIL 2022, 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 PM.

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

James Seastrom	Chair
Marilyn Lawson	Vice Chair
KC Walsh	Commission Member, Place 3
Alton Bowman	Commission Member, Place 5
Elaine Takacs	Commission Member, Place 6
Deanna Soper	Commission Member, Place 7
Rich Murchek	Commission Member, Place 8
Ashish Sharma	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.)

Constituting a quorum with the following members absent:

Sandy Fambrough	Commission Member, Place 1
Anna Athappan	Commission Member, Place 9

And the following members of Town staff present:

Matthew Woods	Director of Environmental Services
Helena Lynch	Administrative Assistant
Jimmy Hoefert	Environmental Review Analyst
Tyler Leverenz	Environmental Programs Coordinator
Joe Whiteley	Environmental Review Analyst
Lexin Murphy	Director of Planning
John Chapman	Planner

A. CALL TO ORDER - REGULAR SESSION: 6:32 PM

B. INVOCATION AND PLEDGE OF ALLEGIANCE

C. PUBLIC COMMENT

Spoke in opposition

Katy Collins Grote, 165 Double Oaks Dr, Double Oak, 75077

Amy Morones, 4065 Bordeaux Cir. Flower Mound, presentation:

- Development Projects Since 2002
- Chimney Rock/High Meadow
- Montalcino Estates
- Aerial Maps – 3 slides
- Cross Timbers map layer – 2 slides

FLOWER MOUND ENVIRONMENTAL CONSERVATION COMMISSION MEETING OF APRIL 5, 2022

- Flower Mound map
- Impacted Species

Connie Schuenrade, 203 Colonial Ct, Double Oak 75077
Fred Vincent 3933 Bordeaux Cir, Flower Mound

Did not speak but in opposition

Don Hanvey, 4071 Hwy 1171, Flower Mound

D. STAFF REPORT

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

E. PRESENTATION

Dr. Alexandra Ponette-González, Ph.D., Assistant Professor, Department of Geography, University of North Texas, Denton, Texas 76203 gave a presentation with the following items and answered questions:

- Black Carbon in an Urban Ecosystem
- Urban areas are a major source of carbon in the atmosphere
- Urban soot affects air, climate, and environment
- Black carbon emissions by region and source in 2000
- Trees are excellent 'air filters'
- Can trees serve as urban air filters?
- Sampling
- Measuring Organic Carbon and Black Carbon in Rainwater: Evaluation of Methods
- Tree canopies accumulate considerable amounts of soot
- Most soot accumulates on leaves in the fall
- Soot washes soot to the soil and falls to the ground on leaves
- Soot accumulates in the soil below trees
- Soot filtration is highly variable across space
- Where should we plant vegetation to "scrub" particle pollution from the air?
- Trees filter most soot where road density and traffic are high
- Soot in throughfall water is high during periods of extreme wind from the direction of major pollution sources
- Urban oak trees accumulate EC – net accumulation on post oak/ live oak
- Take home messages

F. CONSENT AGENDA

1. **Consider approval of minutes from the regular meeting of the Environmental Conservation Commission held on February 1, 2022.**

FLOWER MOUND ENVIRONMENTAL CONSERVATION COMMISSION MEETING OF APRIL 5, 2022

Commission Deliberation

Commission Member Takacs made a motion to approve the February 1, 2022, minutes as presented. Commission member Walsh seconded the motion.

VOTE ON THE MOTION

AYES: Walsh, Lawson, Bowman, Takacs, Soper, Murchek
NAYS: None
ABSTAIN: None

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

G. REGULAR ITEM

2. Consider an application for a tree removal permit (TRP22-0002) for twenty-eight (28) specimen trees on property proposed for development as Cummings Ranch residential development. The property is generally located north of Cross Timbers Road and west of Shiloh Road.

Staff Presenter

Jimmy Hoefert, Environmental Services Review Analyst, gave a presentation with the following items and answered questions:

- Cummings Ranch Tree Removal Permit Application
- Project Information
- General Location
- Detailed Location
- Specimen Tree Survey
- Motion/Recommendation

Chair Seastrom opened item 3

Applicant Presenter

Jason Kilpatrick, with Ridinger Associates, 550 S. Edmunds Ln, Lewisville, TX, 75067 gave a presentation with the following items and answered questions:

- Cummings Ranch
- Arial Map of site – 2 slides
- Site information
- Tree removal permit
- Tree survey
- Open space plan
- East area - From Cross Timbers ROW
- Views from Red Rock
- Comments Questions

FLOWER MOUND ENVIRONMENTAL CONSERVATION COMMISSION MEETING OF APRIL 5, 2022

Commission Deliberation

Chair Seastrom reordered the items for voting; item 3 was followed by item 2.

Commission Member Takacs made a motion to recommend denial of an application for a tree removal permit (TRP22-0002) for twenty-eight (28) specimen trees on property proposed for development as Cummings Ranch residential development. The property is generally located at the intersection of Cross Timbers Rd, Hawk Rd, Red Rock, and Shiloh Rd. Motion seconded by Commission Member Walsh.

VOTE ON THE MOTION

AYES: Walsh, Bowman, Takacs, Lawson, Soper, Murchek

NAYS: None

ABSTAIN: None

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

- 3. Consider a recommendation to the Planning and Zoning Commission and Town Council of an Open Space Management Plan and Concept Plan for the proposed Cummings Ranch cluster development. The property is generally located north of Cross Timbers Road and west of Shiloh Road.**

Staff Presenter

Jimmy Hoefert, Environmental Services Review Analyst, gave a presentation with the following items and answered questions:

- Cluster development option
- Project Information
- Site Location
- ESA Map – 3 slides
- Slope map
- Open space plan
- Concept plan
- Open Space Management Plan
- Motion
- Parks Board Park Land Dedication Proposal

Applicant Presenter

Jason Kilpatrick, with Ridinger Associates, 550 S. Edmunds Ln, Lewisville, TX, 75067 gave a presentation with the following items and answered questions:

- Concept open space plan

Commission Deliberation

Commission Member Soper made a motion to recommend denial of the recommendation to the Planning and Zoning Commission and Town Council of an Open Space Management Plan and Concept Plan for the proposed Cummings Ranch cluster development. The property is generally

FLOWER MOUND ENVIRONMENTAL CONSERVATION COMMISSION MEETING OF APRIL 5, 2022

located north of Cross Timbers Road and west of Shiloh Road and would like to see a future plan moving forward with increased areas of protection and possible restoration of some part of the open space and also consideration of the removal of the seven lots previously discussed Lots 1-7, Block B. Motion seconded by Vice Chair Lawson.

VOTE ON THE MOTION

AYES: Soper, Lawson, Takacs, Bowman, Walsh

NAYS: Murchek

ABSTAIN: None

The motion passed with a vote of 5-1-0

H. ADJOURNMENT- REGULAR SESSION

RECESS 8:47 pm

I. CALL WORK SESSION TO ORDER 8:58 pm

J. WORK SESSION ITEM

1. Presentation and discussion on the Town's Cross Timbers Conservation Development District Cluster Development Survey.

Staff Presenter

Lexin Murphy, Director of Planning Services, gave a presentation with the following items and answered questions:

- Cross Timbers Conservation Development District Work Session - ECC
- Recap
- Cross Timbers Conservation Development District Area Plan
- History of CTCDD
- Prior Public Outreach
- Town Correspondence
- Survey & Open Houses
- Purpose of the CTCDD
- Development Options – 3 slides
- Conservation-type developments
- Land availability
- Broader Look - Number of lots and open space
- Open space: What's Included?
- Environmentally Sensitive Areas
- Impacting Natural Features
- Financial Incentives
- Incentives
- Park Land Dedication
- Open Space Management Plan
- Questions?

FLOWER MOUND ENVIRONMENTAL CONSERVATION COMMISSION MEETING OF APRIL 5, 2022

- The Survey
- Back to Basics
- CTCDD Subdivisions
- General Findings
- Parks & Open Space
- Conserved Land
- Example
- Other considerations 4 slides
- Summary
- Questions
- What's Next

K. SUBCOMMITTEE REPORT

L. COORDINATION OF FUTURE AGENDAS/MEETINGS

M. ADJOURNMENT- REGULAR SESSION 10:16

TOWN OF FLOWER MOUND, TEXAS

JAMES SEASTROM, CHAIR

ATTEST:

HELENA LYNCH, ADMINISTRATIVE ASSISTANT



ENVIRONMENTAL CONSERVATION COMMISSION AGENDA ITEM NO. 2

REGULAR ITEM

DATE: May 3, 2022
FROM: James Hoefert, Environmental Review Analyst
PRESENTER: Luke Franz, with Jackson Walker LLP
ITEM: Consider an application for a tree removal permit (TRP22-0007) for ten (10) specimen trees on property proposed for development as Cotton Wood Logistics Center. The property is generally located south of Justin Road and west of Country Meadow Drive.

BACKGROUND INFORMATION:

The Cotton Wood Logistics Center is generally located south of Justin Road and west of Country Meadow Drive. The site is currently zoned for Agricultural (A) uses and master planned for Commercial/Industrial. The applicant is requesting to rezone the site to Planned Development District No. 192 (PD-192) with Industrial 1 (I-1) uses. According to the tree survey for the project, the site contains ten (10) specimen trees. The applicant is requesting to remove all ten (10) of the specimen trees. The specimen trees proposed for removal are in good condition, except Tree #9828, which is in poor condition, and all of the trees are within the proposed buildable area. Tree #9811 is located on the property boundary with LISD and is considered a shared or common tree. The applicant has received authorization from LISD to remove the tree if approved by the Town. There is an eleventh specimen tree identified on the survey, but the trunk of Tree #9855 is located on the adjacent property to the south.

The following is a list of the ten (10) specimen trees being requested for removal:

Tree #9797 – 25" american elm;
Tree #9799 – 35" american elm;
Tree #9800 – 25" american elm;
Tree #9805 – 31" american elm;
Tree #9811 – 29" post oak;
Tree #9821 – 25" american elm;
Tree #9825 – 29" pecan;
Tree #9828 – 26" american elm (poor);
Tree #9863A – 36" pecan; and
Tree #9863B – 28" 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. Based on their size, 578" of replacement trees, equaling 193 three-inch caliper trees, will be required for the ten (10) specimen trees being requested for removal on this site. In addition, protected trees removed from the buildable area will also require replacement at a tree-for-tree rate. Mitigation may be accomplished by paying the applicable fee, planting mitigation trees, or through a combination of planting trees and paying the required fee.

CITIZEN FEEDBACK: As of April 29, 2022, staff has not received feedback related to this item.

ALTERNATIVES/OPTIONS: N/A

FISCAL IMPACT: N/A

LEGAL REVIEW: N/A

ATTACHMENTS:

1. Letter of Intent
2. Specimen tree removal permit application
3. Photographs of the specimen trees proposed for removal
4. Photograph of approved signage onsite
5. Email correspondence with LISD about Tree #9811
6. Tree Survey

RECOMMENDATION: Move to recommend approval or denial of the requested permit for the removal of ten (10) specimen trees on property proposed for development as Cotton Wood Logistics Center. The property is generally located south of Justin Road and west of Country Meadow Drive.



April 27, 2022

Town of Flower Mound
Environmental Services
2121 Cross Timbers Road
Flower Mound, TX 75028

**RE: *Cottonwood Logistics Center – ECC Submittal
Letter of Intent for Tree Removal***

To Whom it May Concern:

The purpose and intent of this submittal to the Environmental Conservation Commission (ECC) is to support the ZPD Submittal for the proposed Cottonwood Logistics Center as it relates to the tree removal of three existing trees onsite.

As shown on the attached Tree Survey, we are proposing the removal of ten existing trees (#9797, #9799, #9800, #9805, #9811, #9821, #9825, #9828, #9863A & #9863B) and provide the following justification for removal.

- #9797 - Is an American Elm tree with specimen tree class. This existing tree is located near the south eastern property corner within the proposed detention pond #2 area and its removal is necessary for the development of this property. See attached images for reference.
- #9799 - Is an American Elm tree with specimen tree class. This existing tree is located near the south eastern property corner within the proposed detention pond #2 area and its removal is necessary for the development of this property. See attached images for reference.
- #9800 - Is a forked American Elm tree with specimen tree class. This existing tree is located near the south eastern property corner within the proposed detention pond #2 area and its removal is necessary for the development of this property. See attached images for reference.
- #9805 - Is an American Elm tree with specimen tree class. This existing tree is located near the south eastern property corner within the proposed detention pond #2 area and its removal is necessary for the development of this property. See attached images for reference.
- #9811 - Is a Post Oak tree with specimen tree class. This existing tree is located near the south property boundary within the proposed detention pond #2 area and its removal is necessary for the development of this property. The removal of the tree has been communicated to the adjacent property owner to the south, LISD. See attached images for reference.

- #9821 - Is an American Elm tree with specimen tree class. This existing tree is located near the south property boundary within the proposed detention pond #2 area and its removal is necessary for the development of this property. See attached images for reference.
- #9825 - Is a Pecan tree with specimen tree class. This existing tree is located near the south property boundary and its removal is necessary if a future retaining wall is to be constructed. See attached images for reference.
- #9828 - Is an American Elm tree with specimen tree class. This existing tree is located near the south property boundary and its removal is necessary if a future retaining wall is to be constructed. See attached images for reference.
- #9863A and #9863B - Are Pecan trees with specimen tree class. These existing trees are located adjacent to each other and within the footprint for building B and its removal is necessary for the development of this property. See attached images for reference.

If compatibility buffer exception request is granted, developer will attempt to preserve Tree 9825 and 9828 listed above. All other remaining existing specimen trees are anticipated to be preserved.

Please contact me at Blaine.Mikulik@kimley-horn.com should you have any questions or require additional information.

Sincerely,



Blaine Mikulik, PLA (TX), LI



Town of Flower Mound Environmental Services
 Mailing Address: 2121 Cross Timbers Road, Flower Mound, TX 75028
 Telephone: 972-874-6340 Website: www.flower-mound.com

TREE REMOVAL PERMIT

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

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

This application is required to be submitted 30 days prior to the next available ECC hearing.

1. Applicant- Note: Must be an ISA certified arborist, certified forester, or a registered landscape architect.

Name: Kimley-Horn & Associates - Attn: Blaine Mikulik, PLA, LI

Address: 601 NW Loop 410, San Antonio, TX 78216

Phone: 726-610-3728

Applicant's Legal Interest in the Property:
 Professional Landscape Architect representing
 the property owner.

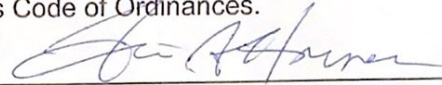
2. Property Owner(s)

Name(s): Dalfen Industrial
 Address: 17304 Preston Road, Ste. 550
 Dallas, Texas 75252

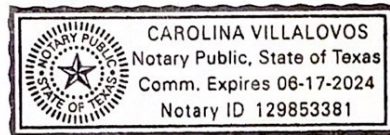
3. Location and Legal Description of Property:
 2901 Justin Road, Flower Mound, Tx 75028
 DCAD #18978, 18980, & 284001

4. Owner's Authorization of Representation

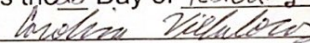
I, Tim Horner, the owner of the above described real property, do hereby authorize Kimley-Horn & Associates to represent my interests and to file an Application for Tree Removal Permit for said real property, pursuant to the terms and provisions of Chapter 94 (Trees), of the Land Development Regulations of the Town of Flower Mound, Texas Code of Ordinances.



Signature of Owner



Given Under My Hand and Seal of Office
This the 28 Day of February, 2022



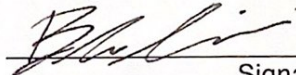
Notary Public

In and For Dallas County, Texas.

5. Applicants Affidavit- Note: Applicant must be an ISA certified arborist, certified forester, or a registered landscape architect.

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

Blaine Mikalik, 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.



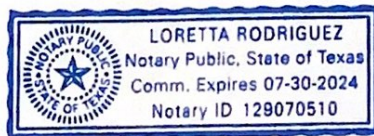
Signature of Applicant

Landscape Architect License No. 3486

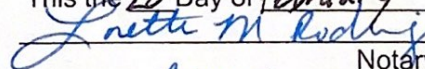
State of Licensure Texas

Or ISA Certified Arborist No. _____

Or Certified Forester No. _____



Given Under My Hand and Seal of Office
This the 28 Day of February, 2022



Notary Public

In and For Bexar County, Texas

6. Received by Town of Flower Mound on (Date) 3/02/2022 by
(initials) JRH.

Cotton Wood Logistics Center -
Specimen trees proposed for removal

Tree #9797 – 25" american elm



Tree #9799 – 35" american elm



Tree #9800 – 25" american elm



Tree #9805 – 31" american elm



Tree #9811 – 29" post oak



Tree #9821 – 25" american elm



Tree #9825 – 29" pecan



Tree #9828 – 26" american elm



Tree # 9863A – 36" pecan



Tree #9863B – 28" pecan



Tree Removal Request Signage

Along Justin Road



James Hoefert

From: Hughes, Jason [REDACTED]
Sent: Friday, April 29, 2022 8:24 AM
To: Ford, Cole; Ruby, Ben
Cc: Paredes, Paulino; Grant, Dan; Dahlstrom, Bill; Franz, Luke; Tim Kraftson
Subject: RE: FMTX Tree Removal Communication with LISD

****RECEIVED FROM EXTERNAL SENDER – USE CAUTION****

Thank you for the information. We agree this will not negatively impact LISD.

Jason Hughes CTSB0, RSBS
Executive Director of Facilities
Lewisville ISD
[REDACTED]

From: Ford, Cole [REDACTED]
Sent: Thursday, April 28, 2022 9:19 AM
To: Ruby, Ben [REDACTED]; Hughes, Jason [REDACTED]
Cc: Paredes, Paulino [REDACTED]; Grant, Dan [REDACTED]; Dahlstrom, Bill [REDACTED]; Franz, Luke [REDACTED]; Tim Kraftson [REDACTED]
Subject: Re: FMTX Tree Removal Communication with LISD

Good Morning,

Thank you for reaching out to the district regarding this tree, I believe that Jason Hughes, Director of Facilities, would be the contact who can help with this. I have attached him to this email. Thanks and have a great day.

Cole Ford
Assistant Athletic Director
Lewisville ISD

From: "Ruby, Ben" [REDACTED]
Date: Wednesday, April 27, 2022 at 4:18 PM
To: "Ford, Cole" [REDACTED]
Cc: "Paredes, Paulino" [REDACTED], "Grant, Dan" [REDACTED], "Dahlstrom, Bill" [REDACTED], "Franz, Luke" [REDACTED], Tim Kraftson [REDACTED]
Subject: FMTX Tree Removal Communication with LISD

EXTERNAL EMAIL: Do not click any links or open any attachments unless you trust the sender and know the content is safe.

Good Afternoon Cole,

This email is in follow up the voice mail regarding a potential tree removal along our shared property line.

To provide a little color, I am representing the adjacent property owner to the north of the baseball field who ultimately have plans to develop their property. We got your information from Jimmy Hoefer with The Town of Flowermound to discuss tree #2811, see aerial snip below. As this tree is located on a shared lot line we wanted to be good neighbors and reach out to let you know during the future construction it is possible that this tree will be impacted and ultimately need to be removed. To be clear the removal of this tree will not have any negative impact to your property.

If you have any questions or concerns related to this future tree removal please don't hesitate to reach out to me directly.

Respectfully,



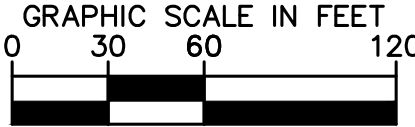
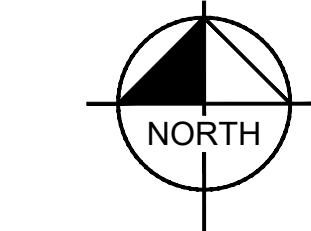
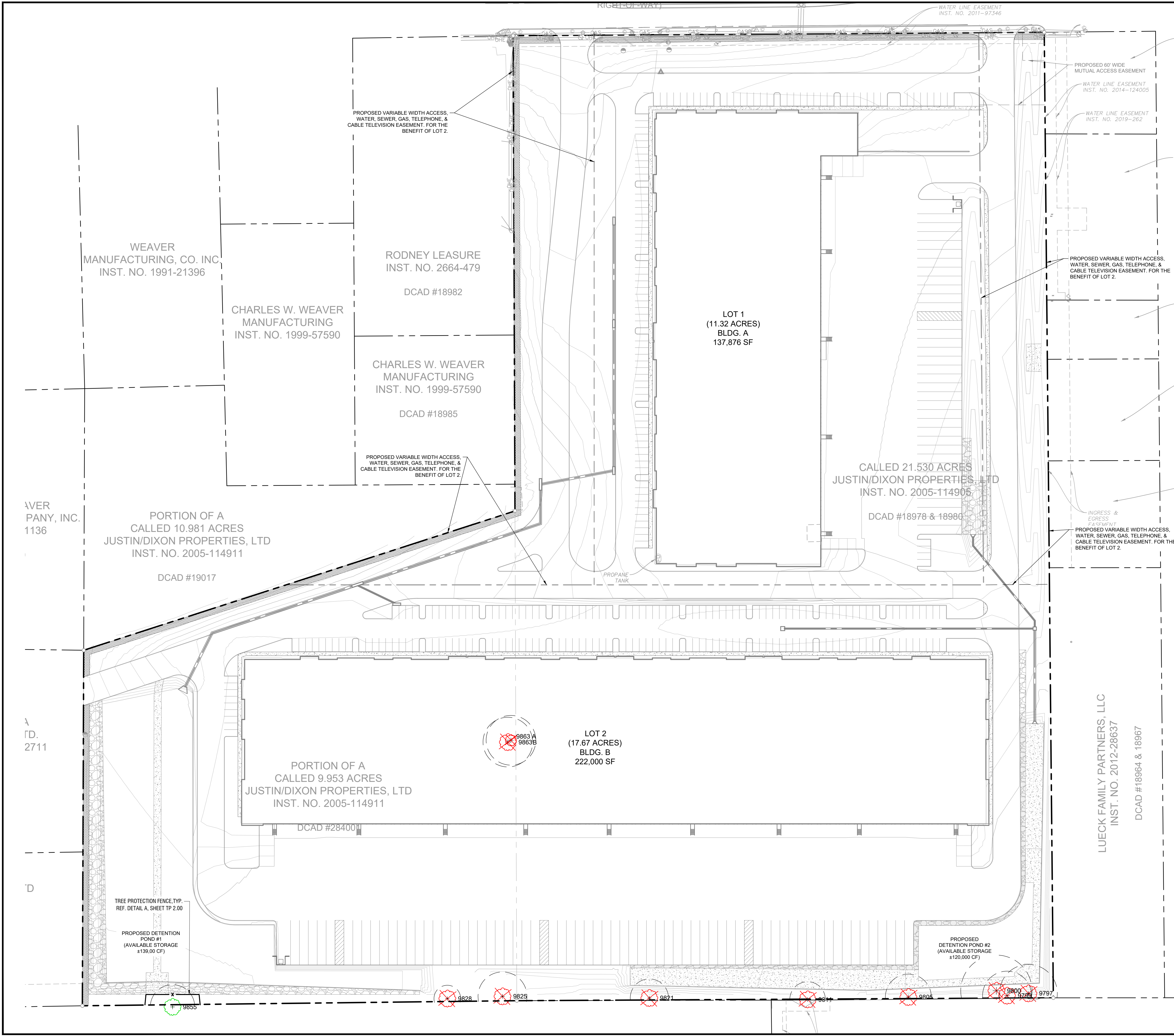
Ben Ruby, P.E. (TX)

Kimley-Horn (TBPE Firm No. 928) | 601 NW Loop 410, Suite 350 San Antonio, TX, 78216

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Plotted By: P:\Projects - Pauline April 14, 2022 05:19:52 PM K:\SMA\DWG\98728000_Pauline_14Apr2022.dwg - P:\TV\CAD\DrawSheets\Landscapes\TP 1.00.dwg
This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kinley-Horn and Associates, Inc. shall be without liability to Kinley-Horn and Associates, Inc.



LEGEND

- EXISTING SPECIMEN TREE TO BE REMOVED
- EXISTING SPECIMEN TREE TO BE PROTECTED
- TREE PROTECTION FENCING
- PROPOSED CONTOUR

NOTE:
ALL TREES SHOWN TO REMAIN ARE TO BE PROTECTED FROM DAMAGE. NO VEHICULAR PARKING, STORAGE OF MATERIALS, OR EQUIPMENT, CLEANING OF EQUIPMENT, EQUIPMENT WASH OUT OR ANY OTHER ACTION WHICH MAY CAUSE AN ADVERSE AFFECT ON EXISTING OR FUTURE PLANTING IS TO OCCUR IN OR AROUND TREES IN LANDSCAPE AREAS WHICH MAY BE AFFECTED.

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WWW.KIMLEY-HORN.COM TEL: 214.941.9228

PRELIMINARY
FOR REVIEW ONLY
Not for construction or permit purposes.
Kimley»Horn
R.L.A. BLAINE D. MKULIK
L.A. No. 3486 Date 4/14/2022

**COTTON WOOD
LOGISTICS CENTER**
2901 JUSTIN ROAD
FLOWER MOUND, TEXAS

DATE	REMARKS

PA / PM: BDM

DRAWN BY: BDM

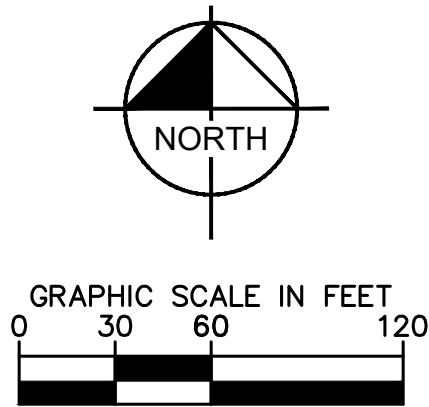
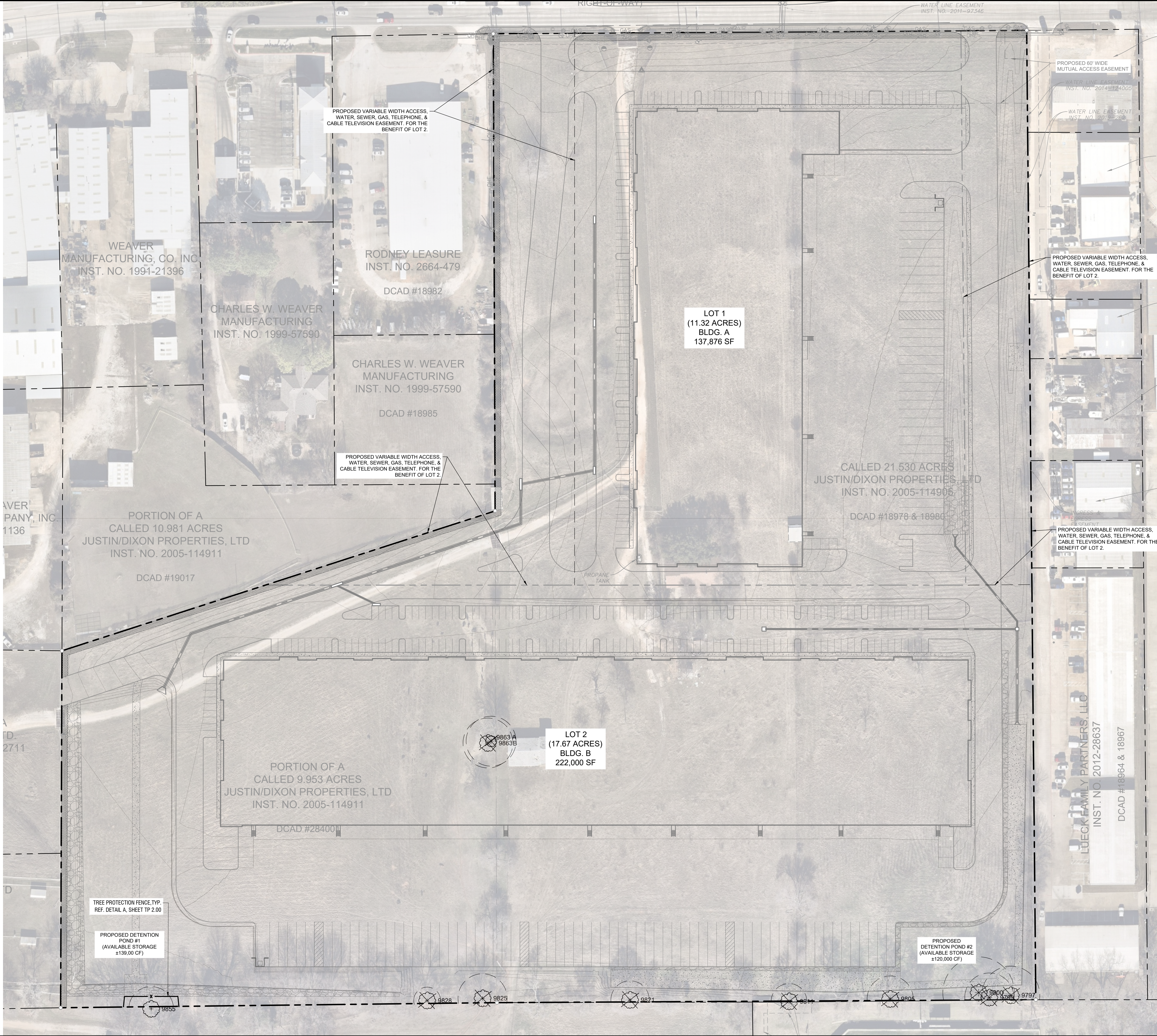
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SHEET:
TP 1.00

TREE SURVEY & TREE
PRESERVATION PLAN

Thu, 14 Apr 2022

Plotted By: P:\Projects_Pooling - April 14, 2022 05:19:58 PM K:\SMA_Olan\988728000 - Pooling - C:\Users\KIMLEY\OneDrive\Documents\TP 1.01.dwg
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LEGEND

- EXISTING SPECIMEN TREE TO BE REMOVED
- EXISTING SPECIMEN TREE TO BE PROTECTED
- TREE PROTECTION FENCING
- PROPOSED CONTOUR

NOTE:
ALL TREES SHOWN TO REMAIN ARE TO BE PROTECTED FROM DAMAGE. NO VEHICULAR PARKING, STORAGE OF MATERIALS, OR EQUIPMENT, CLEANING OF EQUIPMENT, EQUIPMENT WASH OUT OR ANY OTHER ACTION WHICH MAY CAUSE AN ADVERSE AFFECT ON EXISTING OR FUTURE PLANTING IS TO OCCUR IN OR AROUND TREES IN LANDSCAPE AREAS WHICH MAY BE AFFECTED.

PRELIMINARY
FOR REVIEW ONLY
Not for construction or permit purposes.
Kimley-Horn
R.L.A. BLAINE D. MKULIK
A. No. 3486 Date 4/14/2022

**COTTON WOOD
LOGISTICS CENTER**
2901 JUSTIN ROAD
FLOWER MOUND, TEXAS

DATE	REMARKS

PA / PM:	BDM
DRAWN BY:	BDM
JOB NO.:	068728000

SHEET:
TP 1.01
**TREE SURVEY & TREE
PRESERVATION PLAN**

WARE MALCOMB
Leading Design for Commercial Real Estate

Kimley-Horn
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Thu, 14 Apr 2022

Plotted By: Pinedas, Pauline Date: April 14, 2022 05:10:59am K:\SMA_Civil\068728000-Dallen Industrial - CIVIL\CAD\DrawSheets\Landscapes\TP 1.00.dwg
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CAUTION: IF THIS SHEET IS NOT 24"x36" IT IS A REDUCED PRINT

Dalfen Industrial - Town of Flower Mound									
Tag Number	DBH	Common	Scientific	Condition	Trunk	Action	Class	Replacement Ratio	Mitigation Required
9797	25.0	American Elm	Ulmus americana	Healthy	Single	REMOVE	Specimen	2:1	50.0
9799	35.0	American Elm	Ulmus americana	Healthy	Multi	REMOVE	Specimen	2:1	70.0
9800	25.0	American Elm	Ulmus americana	Healthy	Forked	REMOVE	Specimen	2:1	50.0
9805	31.0	American Elm	Ulmus americana	Healthy	Single	REMOVE	Specimen	2:1	62.0
9811	29.0	Post Oak	Quercus stellata	Healthy	Single	REMOVE	Specimen	2:1	58.0
9821	25.0	American Elm	Ulmus americana	Healthy	Single	REMOVE	Specimen	2:1	50.0
9825	29.0	Pecan	Carya illinoensis	Healthy	Single	REMOVE	Specimen	2:1	N/A
9828	26.0	American Elm	Ulmus americana	Hazard	Single	REMOVE	Specimen	N/A	N/A
9855	29.0	Pecan	Carya illinoensis	Healthy	Single	PROTECT	Specimen	2:1	N/A
9863 a	36.0	Pecan	Carya illinoensis	Healthy	Multi	REMOVE	Specimen	2:1	72.0
9863 b	28.0	Pecan	Carya illinoensis	Healthy	Multi	REMOVE	Specimen	2:1	56.0

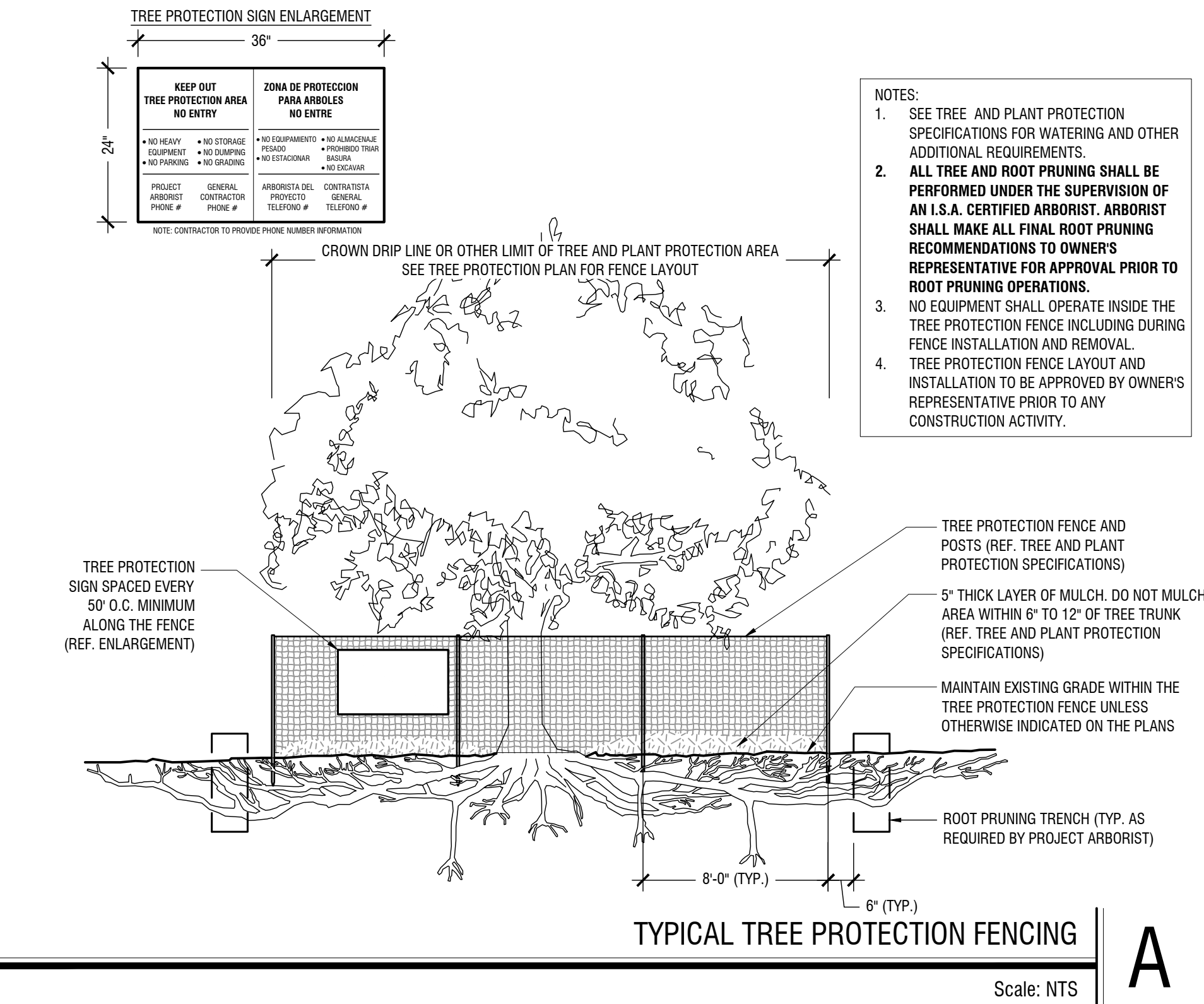
Specimen Tree Inches Analysis	Tree Inches	Mitigation Inches
Total tree inches being removed - Specimen - 2:1	289	578.0
Total tree inches being protected - Specimen	29	
Total tree inches being removed	289.0	578

NOTE:
THE FOLLOWING TREE HEALTH DESCRIPTIONS ARE BASED ON A RAPID VISUAL ASSESSMENT OF INDICATORS WHICH ARE EASILY IDENTIFIABLE FROM GROUND LEVEL AND WITH THE UNAIDED EYE, FOR TREE INVENTORY PURPOSES ONLY.

HEALTHY: TREE SHOWS SIGNS OF GROWTH, INDICATORS OF DISEASE OR DIEBACK NOT OBSERVED.
DECLINING: TREE SHOWS VISIBLE SIGNS OF DISEASE (SUCH AS FUNGUS, SLIME FLUX, OR BARK SLOUGHING) OR DIEBACK.
HAZARD: TREE SHOWS VISIBLE SIGNS OF DECAY, LIMB FAILURE AND/OR INSTABILITY.

- NOTE:**
1. TREE SURVEY AND REMOVAL PLAN ARE IN ACCORDANCE WITH THE TOWN OF FLOWERMOUND REQUIREMENTS.
 2. THE TREE PRESERVATION AND ENFORCEMENT OFFICER OR AUTHORIZED DESIGNEE FOR THE TOWN OF FLOWER MOUND SHALL APPROVE THE LOCATION AND TYPE OF TREE PROTECTION FENCING PRIOR TO INSTALLATION.
 3. ALL TREE PROTECTION FENCING FOR SPECIMEN TREES IS TO BE 6' TALL CHAINLINK FENCING AND CONFORM TO THE TOWN OF FLOWER MOUND'S TREE PRESERVATION ORDINANCE.

TREE INVENTORY CONDUCTED BY AND/OR UNDER THE SUPERVISION OF:
Alex Brown
ISA Certified Arborist TX-4383A
Kinley-Horn and Associates



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REMARKS

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PA / PM: BDM
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SHEET:
TP 2.00
TREE PRESERVATION
DATA & DETAILS

Thu, 14 Apr 2022



ENVIRONMENTAL CONSERVATION COMMISSION AGENDA ITEM NO. 3

WORK SESSION ITEM

DATE: May 3, 2022

FROM: Tyler Leverenz, Environmental Programs Coordinator

ITEM: Environmental Conservation Commission Sustainability Initiatives Update.

BACKGROUND INFORMATION: This work session item provides the Environmental Conservation Commission (ECC) the opportunity to review and update their current Sustainability Initiatives. The ECC reviews the sustainability initiatives and associated objectives annually.

Staff will propose an update to the structure of the initiatives to enhance the potential for tangible outcomes. Existing initiatives have been consolidated into focus areas. Within each focus area is the opportunity for specific action items, each with their own performance measure. Staff will recommend focusing on a few action items each cycle to help drive tangible outcomes for each item.

The attachments include the current ECC Sustainability Initiatives and the proposed restructured ECC Sustainability Initiatives. Items recommended as action items for the 2022/2023 cycle are highlighted in orange.

ALTERNATIVES/OPTIONS:

N/A

ATTACHMENTS:

1. 2020 ECC Sustainability Initiatives
2. 2022/2023 ECC Sustainability Initiatives

RECOMMENDATION: The ECC may provide staff with additional initiatives for the 2022/2023 cycle and/or re-prioritize the initiatives.

ECC Sustainability Initiatives 2020/2021

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	ECC	Notes
1	Evaluate options to enhance Town-wide recycling; including LSD and multifamily options	☺ Town-wide Recycling - Multi-family recycling option assessment	Marilyn Lawson & Jim Seastrom & Elaine Takas	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 was presented at the 2/5/2019 ECC meeting. Recycling (Sustainability) Subcommittee formed to discuss and review recycling options in Flower Mound. Seeking external member to join committee. The ECC discussed a desire to review options to audit green waste diversion at one Republic contract & assess multi-family recycling options. The Town has worked with Living Earth to implement an open space public education and information program that will educate landowners, realtors, developers, and residents about the Town Open Space Plan.*Open space plan made and put on a public website. The plan has been extended and is ongoing along with regular 2nd grade environmental program. KFMB held a Master Composter training class in February 2020.
		☺ Waste Reduction at Town facilities		
		☺ Green Waste option review		
2	Open Space	Continue education and outreach	Jim Seastrom, Elaine Takas	Arbor Day - Held on Saturday, November 7, 2020, at Heritage Park - 50 trees given away.
4	Promote and conduct environmental classes and programs	☺ Utilize Town resources to promote and conduct more environmental programs	Marilyn Lawson, Jim Seastrom, James Naylor, Anna Athappan, Kathryn Wells	Outdoor Learning Area Subcommittee (James Naylor, Jim Seastrom, Anna Athappan) formed to evaluate access options to utilize the area. A third party engineering firm is evaluating the floodplain, access points, bridge options, and potential costs. Preliminary evaluation found one 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. Town Hall Butterfly Garden placed in program to recognize outstanding trees throughout the town. Encourages citizen participation and interest in trees as well as bringing attention to the unique arboreal diversity of Flower Mound.
		☺ Utilize New Tree Farm to conduct educational programs		
		☺ Utilize the Outdoor Learning Area (OLA) for educational events/programs		
		☺ Mayors' Monarch Pledge Yearly Report		
		☺ Annual Tree Recognition Program		
5	Promote and adopt enhanced drought tolerant landscaping practices at Town facilities	9 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.
		9 Water conservation material distributed through water bill. Conservation Classes.		
		☑ Review recommended planting list		Planting list was discussed and approved by ECC.
6	Enhance Town Arboretum	Encourage planting, signage, and development to be a full certified Arboretum	Russ McNamee, Alton Bowman	Parks and Environmental Services planted an additional tree at the Arboretum on Friday, November 6 in observance of Arbor Day.
7	Energy conservation	9 Include LEED guided design principles for new Town projects		Town Staff/Departmental Responsibility; initiated and ongoing.
		9 Implement reduced energy use practices in Town facilities		
		Water conservation*		*New performance measure
		☑ Conduct an energy audit of Town Facilities		Preliminary energy audit completed; future audits and implementation dependent upon Budget.
8	Continue Town-wide tree canopy analysis	Provide education regarding tree canopy recover and tree health issues		Completed 2018 aerial data analysis; ongoing process on a proposed 2-year cycle. The next assessment is scheduled for early 2021 to analyze new 2020 aerial data.
		Town-wide tree canopy analysis completed as data is available		

☑ Completed Initiatives

☺ Ongoing Initiatives

9 Town/Departmental Ongoing

ECC Sustainability Initiatives 2022/2023

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.

Focus	Possible Action Items	Performance Measure	Notes
Water Conservation and Stormwater Protection	Create and implement incentives for waterwise landscaping and low-use fixtures		
	Water Conservation and Stormwater education through Utility Bill	On-going	
	Drought Tolerant landscaping practices at Town Facilities	On-going	
	Community outreach and Stream Team	On-going	
Energy and Emissions	Energy Audit of Town facilities		
	GHG inventory		
	Reduce energy use at Town facilities		
	Include green building principles for new Town projects		
Urban Forestry and Natural Environment	Develop and implement plan for increasing tree canopy		
	Certify additional Town property as Wildlife Habitat		
	Development and Certification of Town Arboretum	On-going	
	Community outreach and tree health education	On-going	
Waste Reduction and Recycling	Acorns to Oaks Growing Program	On-going	
	Develop and make recommendation for Green Waste recycling		
	Add recycling to Town parks and events		
	Benchmark and increase recycling at Town facilities		
Outreach and Education	Create 'Green' purchasing recommendations for Town entities		
	Develop and make recommendation for Multi-Family recycling		
	Promote food waste reduction and the use of composting		
	Internal collaboration on Sustainability		
Outreach and Education	Develop and implement plan for promoting Wildlife Habitat program		
	Environmental Education Program	On-going	
	Environmental Outreach Events	On-going	
	Environmental Services Video Series	On-going	

Possible Action Item

Current Action Item

On-going Action Item