



AGENDA

TOWN OF FLOWER MOUND ENVIRONMENTAL CONSERVATION COMMISSION REGULAR MEETING

January 3, 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-FLOWERMOUND.CIVICPLUS.COM/AGENDACENTER](https://TX-FLOWERMOUND.CIVICPLUS.COM/AGENDACENTER)

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

B. 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.

C. INVOCATION AND PLEDGE OF ALLEGIANCE

D. PRESENTATIONS

1. Presentation from Mitigation Futures Conservancy.

E. STAFF REPORT

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

F. 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 A member of the Environmental Conservation Commission may request an item(s) be withdrawn from the consent agenda and moved to regular agenda for discussion by making such request prior to a motion and vote on the Consent Agenda.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 1, 2016.

Environmental Conservation Commission Meeting Agenda

January 3, 2017

Page 2

G. REGULAR ITEMS

2. Consider an application for a tree removal permit for one (1) specimen tree on property proposed for development as Estancia Estates. The property is generally located at the southeast corner of Dixon Lane and Chinn Chapel Road.
3. Consider an application for a tree removal permit for four (4) specimen trees on property proposed for development as Canyon Falls – Village 10B. The property is generally located north of Canyon Falls Drive and east of Prairie Ridge Road.
4. Consider an application for a tree removal permit for five (5) specimen trees on property proposed for development as Hillside of Flower Mound. The property is generally located south of Cross Timbers Road and west of Shiloh Road.

H. ADJOURNMENT – REGULAR SESSION

I. CALL WORK SESSION TO ORDER

J. WORK SESSION ITEMS

5. Discuss the sustainability initiatives and provide updates.

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: December 30, 2016, 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: January 3, 2017

FROM: Emily Chapman, Administrative Assistant

ITEM: Consider approval of minutes from the regular meeting of the Environmental Conservation Commission held on November 1, 2016.

BACKGROUND INFORMATION: This agenda item is to consider approval of the minutes from the November 1, 2016, 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 1, 2016, regular meeting of the Environmental Conservation Commission.

RECOMMENDATION: Move to approve the minutes from the November 1, 2016, regular meeting of the Environmental Conservation Commission.

FLOWER MOUND ENVIRONMENTAL CONSERVATION COMMISSION MEETING OF NOVEMBER 1, 2016

THE FLOWER MOUND ENVIRONMENTAL CONSERVATION COMMISSION MEETING HELD ON THE 1ST DAY OF NOVEMBER 2016, 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
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
James Seastrom	Commission Member, Place 10

Constituting a quorum with the following members absent:

Karen Kroesen	Commission Member, Place 9
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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
James Hoefert	Environmental Review Analyst
Misty Adams	Environmental Programs Coordinator

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

B. CITIZENS/VISITORS COMMENTS

C. INVOCATION AND PLEDGE OF ALLEGIANCE

D. PRESENTATIONS

1. Present awards to the 2016 Tree Recognition Program winners

E. 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 1, 2016

F. CONSENT AGENDA

- 1. Consider approval of minutes from the regular meeting of the Environmental Conservation Commission held on October 4, 2016.**

Commission Deliberation

Vice Chair McNamer made a motion to approve the October 4, 2016, 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

G. REGULAR ITEMS

- 2. Consider a recommendation of an ordinance amending Chapter 94, "Trees", of the Land Development Regulations (LDR16-0006 – Tree Ordinance Amendments) of the Code of Ordinances by amending Section 94-34, entitled "Tree removal permit," and Section 94-37, entitled "Review of application."**

Staff Presenter

Matthew Woods, Director of Environmental Services, gave a presentation with the following items included:

- Chapter 94 "Trees"
- Proposed Amendments
- Recommendation

Commission Deliberation

Vice Chair McNamer made a motion to deny the recommendation of an ordinance amending Chapter 94, "Trees", of the Land Development Regulations (LDR16-0006 – Tree Ordinance Amendments) of the Code of Ordinances by amending Section 94-34, entitled "Tree removal permit," and Section 94-37, entitled "Review of application." Commission Member Gerber seconded the motion.

VOTE ON THE MOTION

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

FLOWER MOUND ENVIRONMENTAL CONSERVATION COMMISSION MEETING OF NOVEMBER 1, 2016

ABSTAIN: None

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

H. ADJOURNMENT – REGULAR SESSION 7:14 P.M.

I. CALL WORK SESSION TO ORDER

J. WORK SESSION ITEMS

3. Discuss the sustainability initiatives and provide updates.

K. COORDINATION OF FUTURE AGENDAS/MEETINGS

L. ADJOURNMENT – WORK SESSION 7:45 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

DATE: January 3, 2017

FROM: James Hoefert, Environmental Review Analyst

PRESENTER : Ron Stewart, with Environs Group

ITEM: Consider an application for a tree removal permit for one (1) specimen tree on property proposed for development as Estancia Estates. The property is generally located at the southeast corner of Dixon Lane and Chinn Chapel Road.

BACKGROUND INFORMATION:

The Estancia Estates residential development is generally located at the southeast corner of Dixon Lane and Chinn Chapel Road. The site is approximately 21.225 acres in size. The site is currently master planned for Medium Density Residential and zoned for Single-Family District-10 (SF-10) uses. The applicant is requesting to remove one (1) specimen tree from residential lot (5855 Naples Dr.) to build a new home. The specimen tree proposed for removal is in fair condition and is located within the proposed buildable area.

The following is a list of the specimen tree requested for removal:

Tree #1 (located in the buildable area) – 26" ash spp.

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 its size, 52" of replacement trees, equaling 18 three-inch caliper trees, will be required for the removal of the one (1) specimen tree on this site. In addition, there were 5 tree credits previously received for the preservation of Tree #1, which will no longer be applied to the project, in the event the tree removal request is approved.

CITIZEN FEEDBACK: As of December 29, 2016, staff has received feedback from one resident in opposition to the removal of the specimen tree.

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. Photograph of the specimen tree proposed for removal.
4. Photograph of approved signage onsite.
5. Project Tree Survey.
6. Subdivision Tree Survey.

RECOMMENDATION: Move to recommend approval or denial of the requested permit for the removal of one (1) specimen tree on property proposed for development as Estancia Estates. The property is generally located at the southeast corner of Dixon Lane and Chinn Chapel Road.



December 16, 2016

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

Reference: Tree Removal Permit Application
5855 Naples Drive
Lot 2, Block A
Esatancia Estates
Town of Flower Mound
Tarrant County, Texas

Dear Mr. Hoefert;

On behalf of the owner/developer on the aforementioned property, we are requesting that (1) 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	1 Tree
Total specimen trees removed	1 Tree

Several plans were generated with various renditions of each based on saving the specimen tree as per the owner. Due to proximity of the specimen tree and tree well to the proposed house and the required setbacks from the property lines, the specimen tree is not able to be saved. The site plan before you appears to be the most beneficial for taking into account all the site constraints and opportunities.

The following are the specimen trees we are requesting to be removed:

1. Tree #1 26" caliper Texas Ash

These trees are being removed due to existing conditions and site constraints.

a division of G&A Consultants, LLC

Thank you for your consideration.

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

Respectfully submitted,

A handwritten signature in red ink, appearing to read 'Ron Stewart', with a long horizontal stroke extending to the right.

Ron Stewart, ASLA
Landscape Architect, TX #791

a division of G&A Consultants, LLC

111 Hillside Drive • Lewisville, TX 75057 • P: 972.317.0276 • F: 972.436.9715

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
ENVIRONS GROUP

Address:

111 HILLSIDE DR.
LEWISVILLE, TX 75057

Phone:

(972) 317-0276

Applicant's Legal Interest in the Property:

LANDSCAPE ARCHITECT

2. Property Owner(s)

Name(s) OUR COUNTRY HOMES - JESSICA MACK

Address: 200 W. HARWOOD RD. HURST, TX 76054

3. Location and Legal Description of Property:

LOT 2 - ESTANCIA ESTATES

11,037 SF S.WAKEFIELD SURVEY, ABSTRACT NO. 1380

5855 NAPLES DR.

FLOWER MOUND, TX 75028

4. Owner's Authorization of Representation

I, Jessica Mack 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.

Jessica D. Mack
Signature of Owner



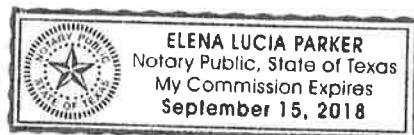
Given Under My Hand and Seal of Office
This the 5 Day of December, 2016
Maria Winn
Notary Public
In and For Tarrant County, Texas.

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

Subject to criminal penalties contained in 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]
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 15 Day of December, 2016
Elena Lucia Parker
Notary Public
In and For Denton County, Texas

6. Received by Town of Flower Mound on (Date) 12/16/2016 by (initials) JRH.

Estancia Estates

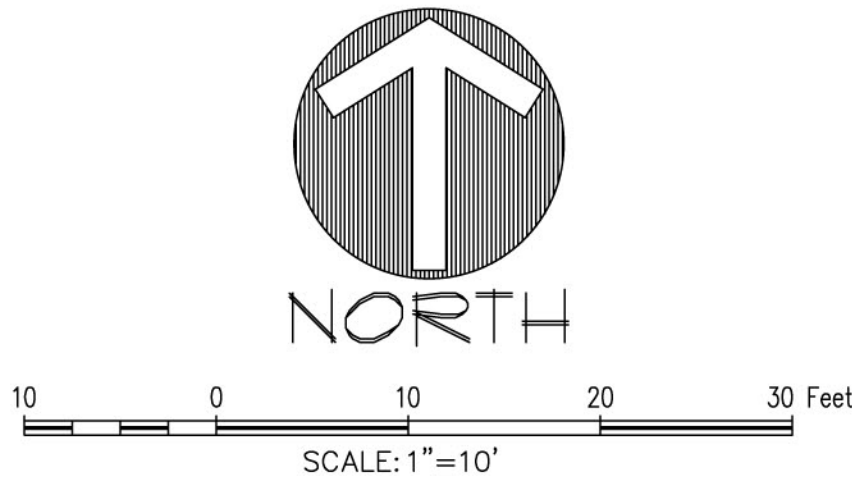
Specimen tree proposed for removal

Tree #1 – 26" ash spp.



Tree Removal Request Signage





LEGEND



TREE CHART

TREE #	CALIPER (")	COMMON NAME	BOTANICAL NAME	PROTECTED	SPECIMEN	REMOVED
1	26	TEXAS ASH	Fraxinus texensis	Yes	Yes	Yes

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.
 - 4) 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 1/2 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 unsuited 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.
 - 2) Fences shall be erected to protect trees to be preserved prior to construction equipment arriving on the Project Site. Fences will define the specific protection zone for each tree or group 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.
 - 3) 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.
 - 4) Construction trailers, traffic and storage areas must remain outside fenced areas at all times.
 - 5) 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).
 - 6) No materials, equipment, spoil, or waste or washout water may be deposited, stored, or parked within the tree protection zone.
 - 7) 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.
 - 8) 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.

5855 NAPLES DRIVE
LOT2, BLOCK A
ESTANCIA ESTATES
FLOWER MOUND, TEXAS

ENVIRONS GROUP
LANDSCAPE ARCHITECTURE
a Division of G & A Consultants, LLC.
111 Hillside Drive • Lewisville, TX 75057
P: 972.317.0276 • F: 972.436.9715

TREE SURVEY

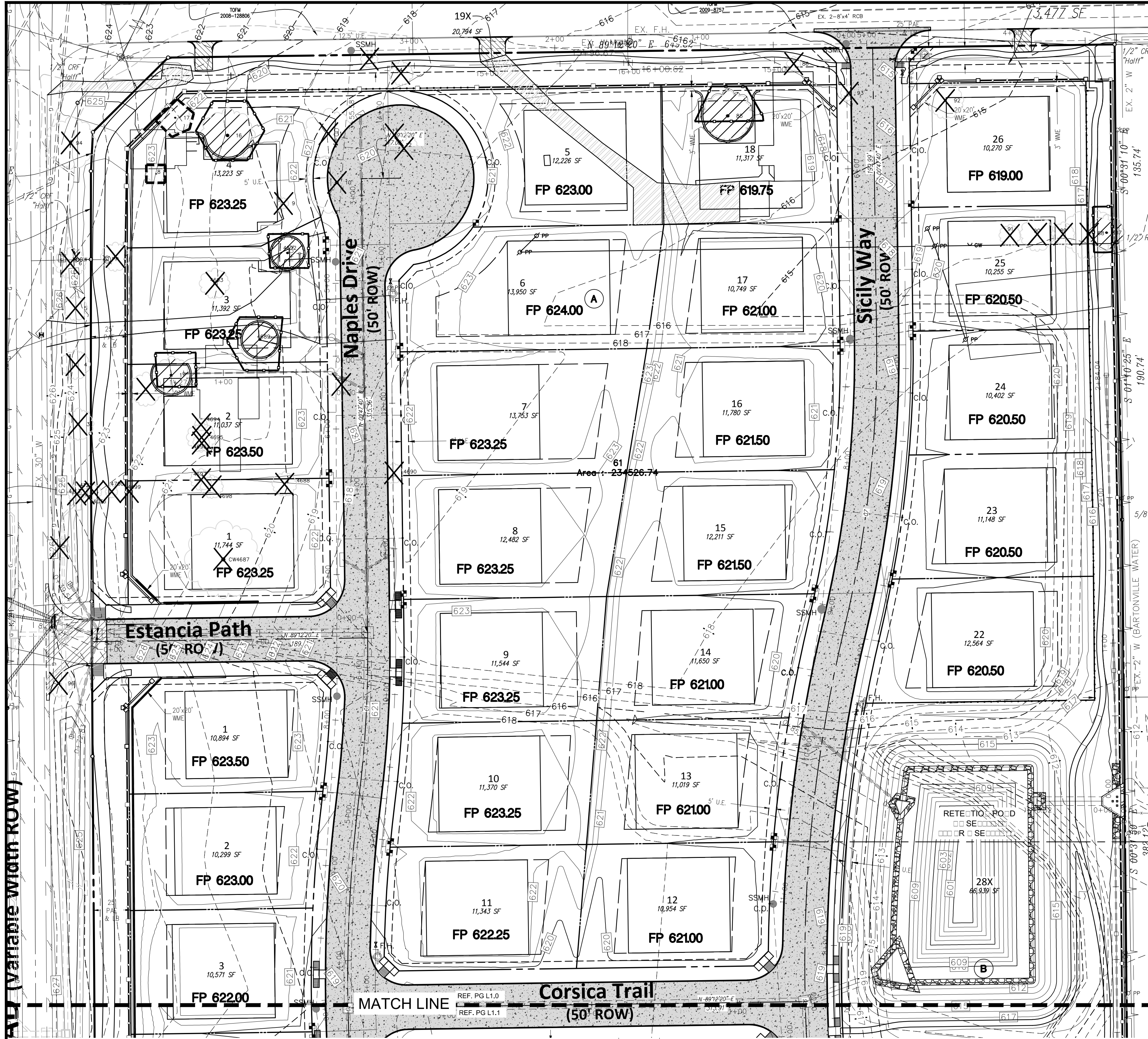
PRELIMINARY PLANS
THIS DOCUMENT IS FOR INTERIM REVIEW
AND IS NOT INTENDED FOR CONSTRUCTION,
BIDDING, OR PERMIT PURPOSES.
RON STEWART LANDSCAPE ARCHITECT
DATED 12/16/2016

STATE OF TEXAS
791

Drawn By: WS
Date: 12/16/2016
Scale: 1"=10'
Revisions:

16367E

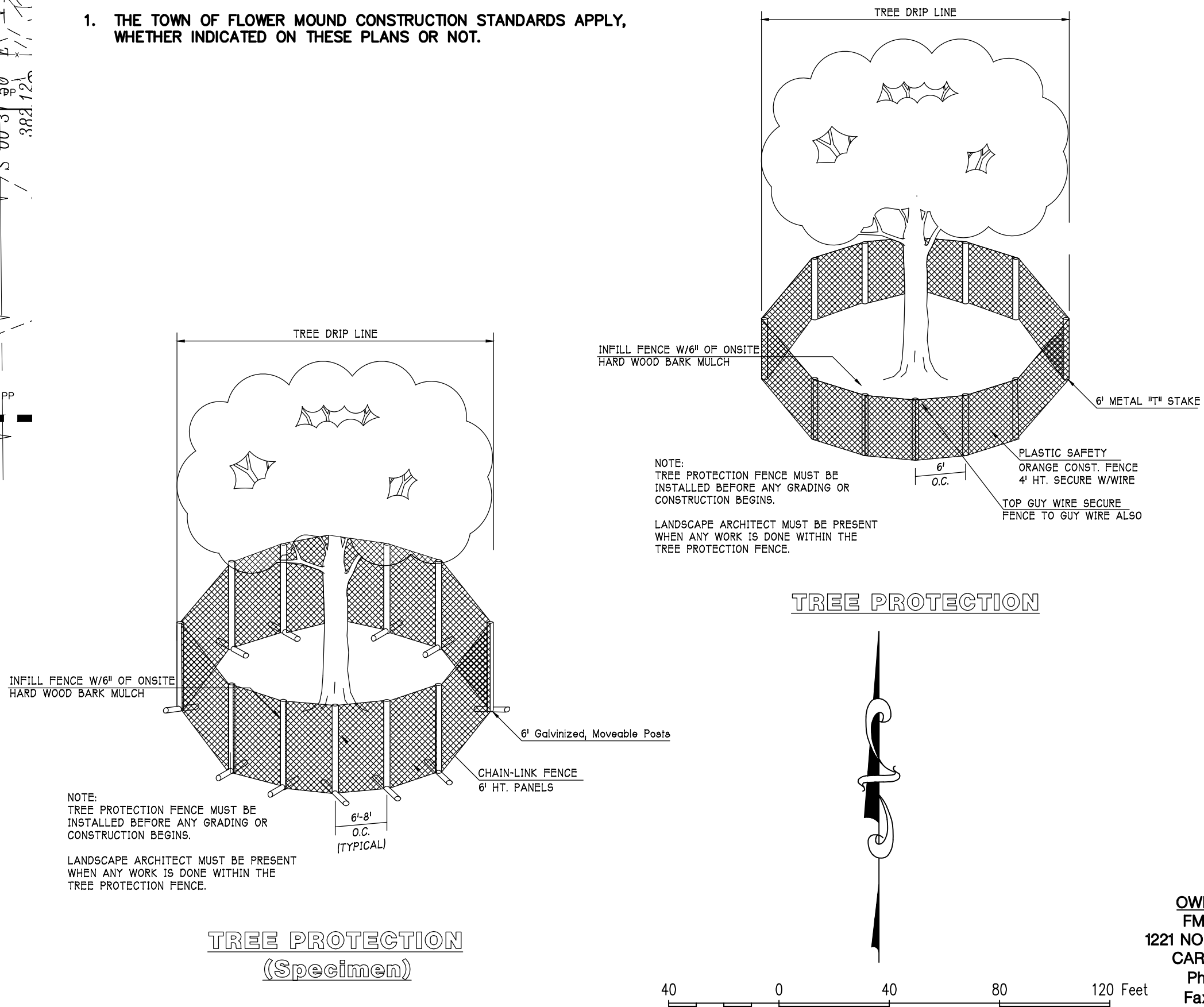
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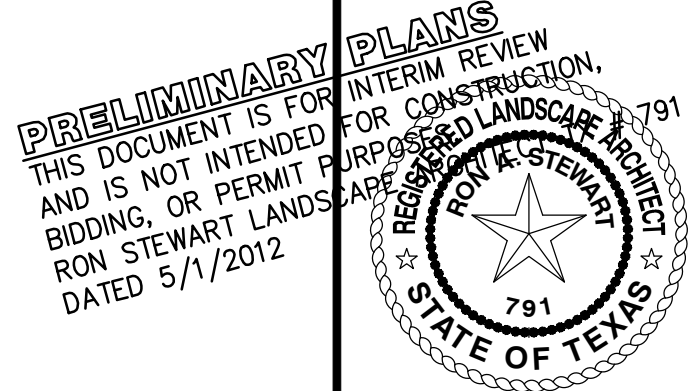
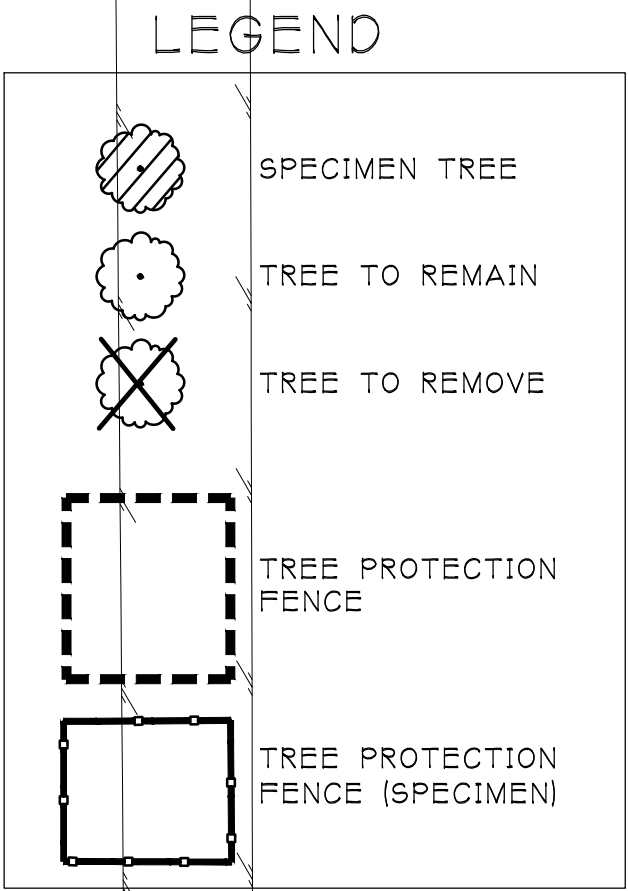
	TREE #	CALIPER (")	COMMON NAME	BOTANICAL NAME	PROTECTED	SPECIMEN	REMOVED	REMARKS
1	1	26	TEXAS ASH	Fraxinus texensis	YES	YES	NO	
2	2	23.5	TEXAS ASH	Fraxinus texensis	YES	NO	YES	MIT
3	3	22	MULBERRY	Morus rubra	YES	NO	YES	ROW
4	4	19.5	PECAN	Carya illinoensis	YES	NO	YES	ROW
5	5	16	AMERICAN ELM	Ulmus americana	YES	NO	YES	ROW
6	6	21.5	AMERICAN ELM	Ulmus americana	YES	NO	YES	ROW
7	7	20	AMERICAN ELM	Ulmus americana	YES	NO	YES	MIT
8	8	13	ELDARICA PINE	Pinus eldarica	YES	NO	NO	
9	9	7.5	PECAN	Carya illinoensis	YES	NO	YES	BA (-1)
10	10	44	COTTONWOOD	Populus deltoides	NO	NO	YES	NON PROTECTED
11	11	34.5	COTTONWOOD	Populus deltoides	NO	NO	YES	NON PROTECTED
12	12	19	AMERICAN ELM	Ulmus americana	YES	NO	YES	ROW
13	13	17.5	AMERICAN ELM	Ulmus americana	YES	NO	YES	ROW
14	14	17	AMERICAN ELM	Ulmus americana	YES	NO	YES	U EASEMENT
15	15	12	AMERICAN ELM	Ulmus americana	YES	NO	YES	ROW
16	16	25,17.5,12	AMERICAN ELM	Ulmus americana	YES	YES	NO	MULTI-TRUNK
17	17	22.5	SYCAMORE	Platanus occidentalis	YES	NO	NO	
18	85	35	POST OAK	Quercus stellata	YES	YES	NO	
19	86	10	ELDARICA PINE	Pinus eldarica	YES	NO	YES	U EASEMENT
20	87	25	AMERICAN ELM	Ulmus americana	YES	YES	NO	
21	88	24,14.5,10	AMERICAN ELM	Ulmus americana	YES	NO	YES	D EASEMENT
22	89	16	AMERICAN ELM	Ulmus americana	YES	NO	YES	BA (-1)
23	90	23	AMERICAN ELM	Ulmus americana	YES	NO	YES	BA (-1)
24	91	15	AMERICAN ELM	Ulmus americana	YES	NO	YES	BA (-1)
25	92	25.5	AMERICAN ELM	Ulmus americana	YES	NO	YES	BA (-1)
26	93	11	SYCAMORE	Platanus occidentalis	YES	NO	YES	ROW
27	94	36	TEXAS ASH	Fraxinus texensis	NO	NO	YES	75% DAMAGED
28	95	14	TEXAS ASH	Fraxinus texensis	YES	NO	YES	ROW
29	96	19	PECAN	Carya illinoensis	YES	NO	YES	ROW
30	4036	10.5	TEXAS ASH	Fraxinus texensis	YES	NO	YES	MIT
31	4113	12	TEXAS ASH	Fraxinus texensis	YES	NO	YES	ROW
32	4121	6	TEXAS ASH	Fraxinus texensis	YES	NO	YES	ROW
33	4687	53.5	COTTONWOOD	Populus deltoides	NO	NO	YES	NON PROTECTED
34	4688	17	TEXAS ASH	Fraxinus texensis	YES	NO	YES	BA (-1)
35	4689	32	TEXAS ASH	Fraxinus texensis	YES	YES	NO	
36	4690	14	TEXAS ASH	Fraxinus texensis	YES	NO	YES	ROW
37	4691	23	TEXAS ASH	Fraxinus texensis	YES	NO	YES	ROW
38	4692	26	AMERICAN ELM	Ulmus americana	YES	YES	NO	
39	4693	19.5	TEXAS ASH	Fraxinus texensis	YES	NO	YES	BA (-1)
40	4694	9	TEXAS ASH	Fraxinus texensis	YES	NO	YES	BA (-1)
41	4695	21.5	TEXAS ASH	Fraxinus texensis	YES	NO	YES	BA (-1)
42	4696	12	TEXAS ASH	Fraxinus texensis	YES	NO	YES	BA (-1)
43	4697	14.5	TEXAS ASH	Fraxinus texensis	YES	NO	YES	MIT
44	4698	15.5	TEXAS ASH	Fraxinus texensis	YES	NO	YES	BA (-1)
45	4699	7	TEXAS ASH	Fraxinus texensis	YES	NO	YES	MIT
46	4700	9.5	TEXAS ASH	Fraxinus texensis	YES	NO	YES	MIT

* BUILDABLE AREA- THE BUILDABLE AREA FOR EACH INDIVIDUAL PLATTED LOT INCLUDES THE BUILDING PAD PLUS 10', THE FRONT YARD BETWEEN THE BUILDING PAD AND THE RIGHT-OF-WAY (TO ALLOW FOR DRIVEWAYS AND ENTRY WALKS) AND THE SIDE YARD SETBACKS (TO ALLOW FOR REQUIRED GRADING TO PREVENT LOT TO LOT DRAINAGE.)

GENERAL NOTE:
1. THE TOWN OF FLOWER MOUND CONSTRUCTION STANDARDS APPLY, WHETHER INDICATED ON THESE PLANS OR NOT.



TOTAL NON SPEC PROTECTED TREES	36
(-) TOTAL NON SPEC PROTECTED TREES SAVED	2
TOTAL NON SPEC PROTECTED TREES TO BE REMOVED	34
(-) EXEMPT TREES WITHIN THE RIGHT-OF-WAY	14
(-) EXEMPT TREES WITHIN THE UTILITY EASEMENTS	2
(-) EXEMPT TREES WITHIN THE DRAINAGE EASEMENTS	1
TOTAL NON-EXEMPT PROTECTED TREES TO BE REMOVED	17
TREES TO BE MITIGATED WITHIN THE BUILDABLE AREA* (AT A TREE PER TREE RATIO)	11
NON-SPECIMEN TREES TO BE SAVED WITHIN THE BUILDABLE AREA	
(5) SPECIMEN TREES TO BE SAVED WITHIN THE BUILDABLE AREA = 28 CREDITS (#1-5, #85-6, #16-6 #4892-5, #4689-6)	28
TOTAL BUILDABLE AREA TREE MITIGATION	17 credits
NON EXEMPT PROTECTED TREES TO BE MITIGATED OUTSIDE OF THE BUILDABLE AREA (AT 1 1/2\"/>	6
TREES REQUIRED FOR MITIGATION	43
TREES PROVIDED FOR MITIGATION	47

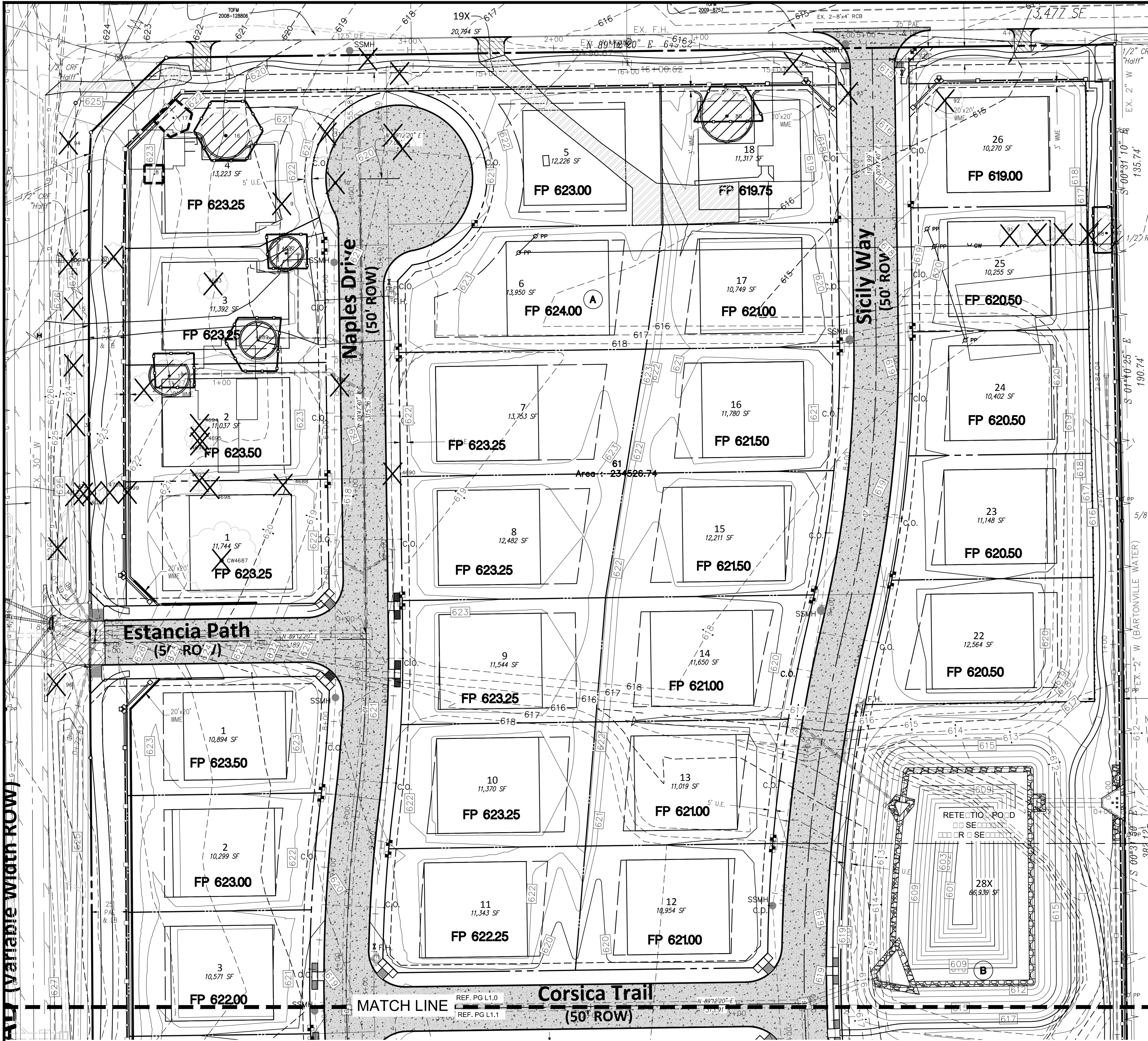


Drawn By: RLS
Date: 03/05/2012
Scale: 1"=40'
Revisions:
1/26/2012
2/30/2012

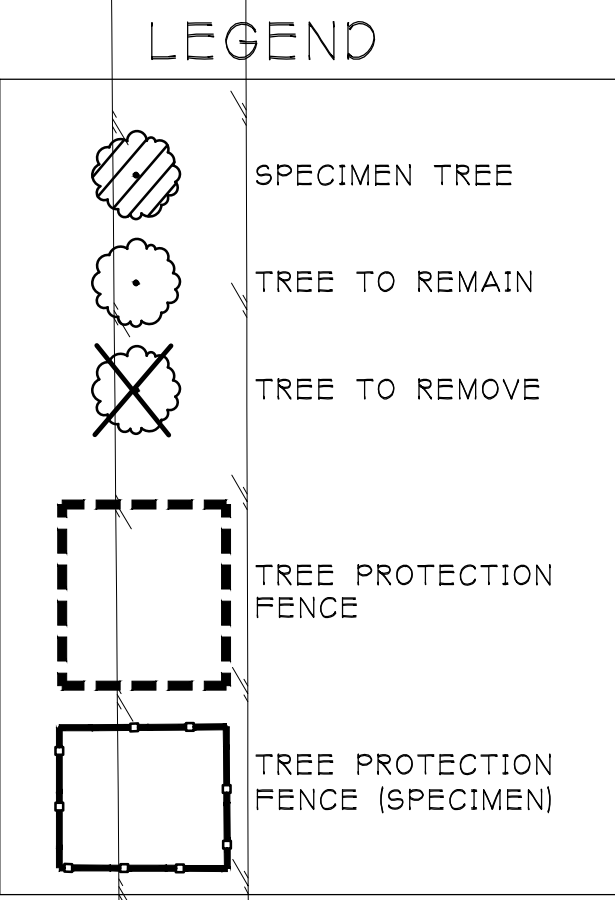
10046

L3.0

OWNER/DEVELOPER
FM ESTANCIA, LLC
1221 NORTH I-35E, SUITE 200
CARROLLTON, TEXAS
Ph. (469)892-7214
Fax (817)886-3626
Contact: Ross Calhoun



	TREE #	CALIPER (")	COMMON NAME	BOTANICAL NAME	PROTECTED	SPECIMEN	REMOVED	REMARKS
1	1	26	TEXAS ASH	Fraxinus texensis	YES	YES	NO	
2	2	23.5	TEXAS ASH	Fraxinus texensis	YES	NO	YES	MIT
3	3	22	MULBERRY	Morus rubra	YES	NO	YES	ROW
4	4	19.5	PECAN	Carya illinoensis	YES	NO	YES	ROW
5	5	16	AMERICAN ELM	Ulmus americana	YES	NO	YES	ROW
6	6	21.5	AMERICAN ELM	Ulmus americana	YES	NO	YES	ROW
7	7	20	AMERICAN ELM	Ulmus americana	YES	NO	YES	MIT
8	8	13	ELDIRICA PINE	Pinus eldarica	YES	NO	NO	
9	9	7.5	PECAN	Carya illinoensis	YES	NO	YES	BA (-1)
10	10	44	COTTONWOOD	Populus deltoides	NO	NO	YES	NON PROTECTED
11	11	34.5	COTTONWOOD	Populus deltoides	NO	NO	YES	NON PROTECTED
12	12	19	AMERICAN ELM	Ulmus americana	YES	NO	YES	ROW
13	13	17.5	AMERICAN ELM	Ulmus americana	YES	NO	YES	ROW
14	14	17	AMERICAN ELM	Ulmus americana	YES	NO	YES	U EASEMENT
15	15	12	AMERICAN ELM	Ulmus americana	YES	NO	YES	ROW
16	16	25,17.5,12	AMERICAN ELM	Ulmus americana	YES	YES	NO	MULTI-TRUNK
17	17	22.5	SYCAMORE	Platanus occidentalis	YES	NO	NO	
18	85	35	POST OAK	Quercus stellata	YES	YES	NO	
19	86	10	ELDIRICA PINE	Pinus eldarica	YES	NO	YES	U EASEMENT
20	87	25	AMERICAN ELM	Ulmus americana	YES	YES	NO	
21	88	24,14.5,10	AMERICAN ELM	Ulmus americana	YES	NO	YES	D EASEMENT
22	89	16	AMERICAN ELM	Ulmus americana	YES	NO	YES	BA (-1)
23	90	23	AMERICAN ELM	Ulmus americana	YES	NO	YES	BA (-1)
24	91	15	AMERICAN ELM	Ulmus americana	YES	NO	YES	BA (-1)
25	92	25.5	AMERICAN ELM	Ulmus americana	YES	NO	YES	BA (-1)
26	93	11	SYCAMORE	Platanus occidentalis	YES	NO	YES	ROW
27	94	36	TEXAS ASH	Fraxinus texensis	NO	NO	YES	75% DAMAGED
28	95	14	TEXAS ASH	Fraxinus texensis	YES	NO	YES	ROW
29	96	19	PECAN	Carya illinoensis	YES	NO	YES	ROW
30	4036	10.5	TEXAS ASH	Fraxinus texensis	YES	NO	YES	MIT
31	4113	12	TEXAS ASH	Fraxinus texensis	YES	NO	YES	ROW
32	4121	6	TEXAS ASH	Fraxinus texensis	YES	NO	YES	ROW
33	4687	53.5	COTTONWOOD	Populus deltoides	NO	NO	YES	NON PROTECTED
34	4688	17	TEXAS ASH	Fraxinus texensis	YES	NO	YES	BA (-1)
35	4689	32	TEXAS ASH	Fraxinus texensis	YES	YES	NO	
36	4690	14	TEXAS ASH	Fraxinus texensis	YES	NO	YES	ROW
37	4691	23	TEXAS ASH	Fraxinus texensis	YES	NO	YES	ROW
38	4692	26	AMERICAN ELM	Ulmus americana	YES	YES	NO	
39	4693	19.5	TEXAS ASH	Fraxinus texensis	YES	NO	YES	BA (-1)
40	4694	9	TEXAS ASH	Fraxinus texensis	YES	NO	YES	BA (-1)
41	4695	21.5	TEXAS ASH	Fraxinus texensis	YES	NO	YES	BA (-1)
42	4696	12	TEXAS ASH	Fraxinus texensis	YES	NO	YES	BA (-1)
43	4697	14.5	TEXAS ASH	Fraxinus texensis	YES	NO	YES	MIT
44	4698	15.5	TEXAS ASH	Fraxinus texensis	YES	NO	YES	BA (-1)
45	4699	7	TEXAS ASH	Fraxinus texensis	YES	NO	YES	MIT
46	4700	9.5	TEXAS ASH	Fraxinus texensis	YES	NO	YES	MIT



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.
 - 4) 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) Personal 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 1/2 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 6 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 unsalvaged 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

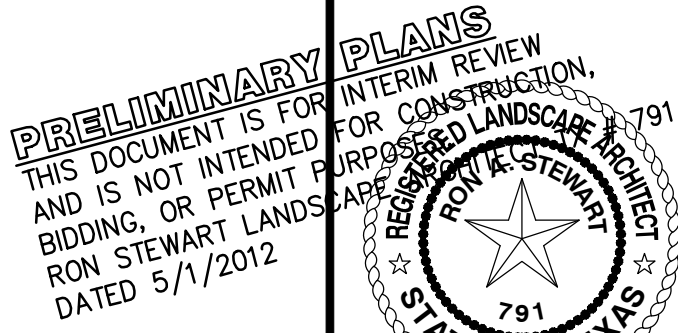
- 1) Before beginning work, the Project Manager, Landscape Architect and/or Owner or their agents are required to meet at the site to review all work procedures, access routes, storage areas, and tree protection measures. Any intended construction activities inside the TPZ shall be clearly outlined.
- 2) Fences shall be erected to protect trees to be preserved prior to construction equipment arriving on the Project Site. Fences will define the specific protection zone for each tree or group 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:
 - 1) Landscape Architect. Fences may be constructed from 6" T" stakes and orange web fence material.
 - 2) All trees to be preserved shall have 6 inches of hardwood mulch applied inside the tree protection zone. This hardwood mulch shall be replenished as necessary to maintain a 6 inch depth.
 - 3) Construction trailers, traffic and storage areas must remain outside fenced areas at all times.
 - 4) 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 "airdig" 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).
 - 5) No materials, equipment, spoil, or waste or washout water may be deposited, stored, or parked within the tree protection zone.

- 6) 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.
- 7) 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.

GENERAL NOTE:

1. THE TOWN OF FLOWER MOUND CONSTRUCTION STANDARDS APPLY, WHETHER INDICATED ON THESE PLANS OR NOT.

40 0 40 80 120 Feet



Drawn By: RLS
Date: 03/05/2012
Scale: 1"=40'
Revisions:
1/26/2012
2/20/2012

10046

L3.1

OWNER/DEVELOPER
FM ESTANCIA, LLC
1221 NORTH I-35E, SUITE 200
CARROLLTON, TEXAS
Ph. (469)892-7214
Fax (817)886-3626
Contact: Ross Calhoun

ESTANCIA ESTATES

Lot Value, Block Value

Value

21225 Acres

in the

S. WAKEFIELD SURVEY, ABSTRACT NO. 1380

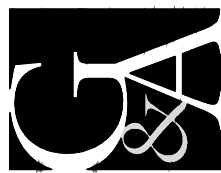
TOWN OF FLOWER MOUND

DENTON COUNTY, TEXAS

SITE PLANNING CIVIL ENGINEERING PLATTING

CONSULTANTS, INC.

LAND SURVEYING LANDSCAPE ARCHITECTURE



111 Hillside Drive • Lewisville, TX 76057 • P: 972.436.9712 • F: 972.436.9715
611 Dallas Drive, Suite 114 • Rowan, TX 76262 • P: 817.886.3626 • F: 817.886.4043
T&E Firm No. 1798



ENVIRONMENTAL CONSERVATION COMMISSION AGENDA ITEM NO. 3

REGULAR ITEM

DATE: January 3, 2017
FROM: James Hoefert, Environmental Review Analyst
PRESENTER Tom Dayton, w/ J. Volk Consulting
ITEM: Consider an application for a tree removal permit for four (4) specimen trees on property proposed for development as Canyon Falls – Village 10B. The property is generally located north of Canyon Falls Drive and east of Prairie Ridge Road.

BACKGROUND INFORMATION:

The Canyon Falls – Village 10B residential development is generally located north of Canyon Falls Drive and east of Prairie Ridge Road. The site is approximately 10.907 acres in size. The site is currently master planned for Medium Density Residential and zoned for Planned Development District-98 (PD-98) with Single-Family District-10 (SF-10) uses. According to the tree survey for the project, the site contains a total of nine (9) specimen trees. The applicant previously received approval to remove three (3) specimen trees from this portion of the Canyon Falls development (Tree #s 2000, 2006, and 2050) and are now requesting the removal of the remaining four (4) specimen trees from the site in order to build a residential subdivision. Tree #s 2007 and 2045, which are labeled as specimen trees on the Tree Survey, have been disqualified because of health issues. The four (4) 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 four (4) specimen trees requested for removal:

Tree #2002 (located in the buildable area/Upland Habitat) – 29" cedar elm

Tree #2003 (located in the buildable area) – 39" post oak

Tree #2004 (located in the buildable area) – 35" post oak

Tree #2005 (located in the buildable area/Upland Habitat) – 21" cedar elm in fair condition (canopy dieback)

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 two (2) specimen trees that are located outside the Upland Habitat, 148" of replacement trees, equaling 50 three-inch caliper trees, will be required for the removal of those two (2) specimen trees on this site.

CITIZEN FEEDBACK: As of December 29, 2016, 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. Project Tree Survey and Plot Plan.

RECOMMENDATION: Move to recommend approval or denial of the requested permit for the removal of four (4) specimen trees on property proposed for development as Canyon Falls – Village 10B. The property is generally located north of Canyon Falls Drive and east of Prairie Ridge Road.



December 14, 2016

Doug Powell
Executive Director of Development
Town of Flower Mound
2121 Cross Timbers Road
Flower Mound, Texas 75028

RE: Canyon Falls Letter of Intent – Tree Removal Application

Dear Doug,

Canyon Falls is a master planned community intended to provide a variety of single family residential and commercial uses that are compatible with the natural characteristics of the land (such as topography, drainage, vegetation and floodplain) to ensure a high-quality new community. This master planned community is intended to provide increased recreation amenities, high quality homes and shopping alternatives that will be designed in a comprehensive fashion, which will enhance the quality of life for future residents and the Town of Flower Mound. We believe that Canyon Falls will be a great addition for the Town of Flower Mound and the rooftops generated within the development will support the future plans and growth of Flower Mound for commercial and retail development along the western side of its Town Limits. Additionally, the proximity of the development to I-35W and U.S. 377 provide a great transition between the commercial and more intense zoning districts that exist along the I-35W and U.S. 377 corridors.

During the design of village 10B, we have discovered that we need to request the removal of 4 specimen trees as identified on the attached tree survey as tree numbers 2002-2005. Unfortunately, when the tree survey was performed in the Fall of 2013, there was no final grading design available to confirm whether or not these 4 specimen trees could indeed be saved. We hoped to be able to save them and therefore did not show them to be removed or ask the ECC board for permission to remove. However, after conducting the final grading design, and given the location of these 4 specimen trees relative to proposed pavement and right of way, there is no way that they can be saved. There is a large upland habitat area with dense tree canopy immediately to the east of Village 10B that we are preserving in accordance with the tree survey.

The specimen trees that are being requested for removal are:

<u>Tree No.</u>	<u>Size</u>	<u>Common Name</u>
2002	29	Cedar Elm
2003	39	Post Oak
2004	35	Post Oak
2005	21.75	Cedar Elm



CANYON FALLS

We appreciate your assistance with this application and look forward to working with you and the Town of Flower Mound on the Canyon Falls development.

Sincerely,

Brian Cramer
Vice President

NASH Canyon Falls, LLC
a Delaware limited liability company
By: Newland Real Estate Group, LLC
a Delaware limited liability company
Its Agent

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:

396 WEST MAIN STREET
LEWISVILLE, TEXAS 75057

Phone:

#469.635.1900

Applicant's Legal Interest in the Property:

2. Property Owner(s)

Name(s): NASH Canyon Falls, LLC

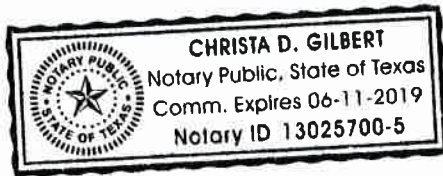
Address: 4835 LBJ Freeway, Suite 690 Dallas, TX 75244

3. Location and Legal Description of Property:

North of FM 1171, West of US 377, East of I-35W

4. Owner's Authorization of Representation

I, Brian Cramer, 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]
Signature of Owner

Given Under My Hand and Seal of Office
This the 15 Day of December, 20 16
Christa D Gilbert
Notary Public
In and For Dallas County, Texas.

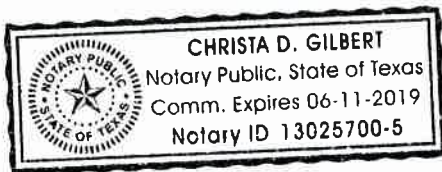
5. Applicants Affidavit- Note: Applicant must be a licensed Landscape Architect or Registered Arborist.

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

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 15 Day of December, 20 16
Christa D Gilbert
Notary Public
In and For Dallas County, Texas

6. Received by Town of Flower Mound on (Date) 12/15/2016 by (initials) JRH.

Canyon Falls – Village 10B Specimen Trees proposed for removal

Tree #2002 – 29" cedar elm



Tree #2003 – 39" post oak



Tree #2004 – 35" post oak

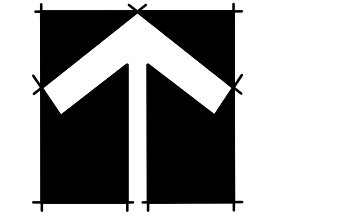
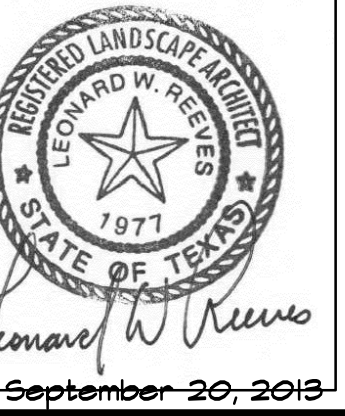


Tree #2005 – 21.75" cedar elm



Tree Removal Request Signage





is one inch on original
wing. If not one inch on this
set, adjust scale as necessary.

e Inch

UI LAND RADIAL

Overall Plan

Canyon Falls - Phase 1

Town of Flower Mound, Denton County, Texas

1	Revised Site Layout	LWR	12-7-2012
2	Revised to show Upland Habitat per Town Urban Forester	LWR	9-20-2013

PROJECT
WSC002

R1A of 16

TREE INFORMATION

SPECIMEN TREES ON SITE
TO REMAIN - SIX (6)

SPECIMEN TREES ON SITE
TO BE REMOVED - SEVEN (7)

PROTECTED TREES TO BE
REMOVED FROM EASEMENTS /
RIGHTS-OF-WAYS

PROTECTED TREES TO BE
REMOVED FROM THE BUILDABLE
AREA

PROTECTED TREES TO REMAIN

TREES TO BE REMOVED

UPLAND HABITAT AREA
TO BE REMOVED AND MITIGATED

750,995 SF or 17.24 ACRES

UPLAND HABITAT AREA
TO BE REMAIN AND TO
BE PROTECTED

619,139 SF or 14.21 ACRES

SYMBOL

4933

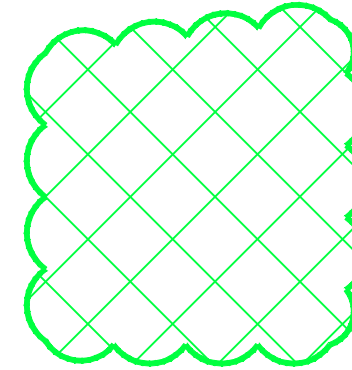
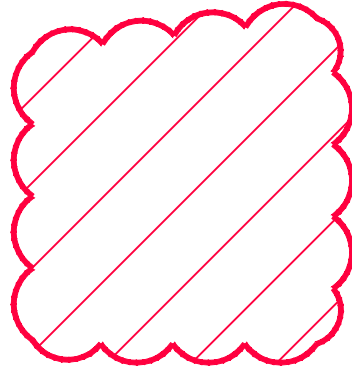
⊗ 8325

⊕ 2148

✕ 2104

● 2/22

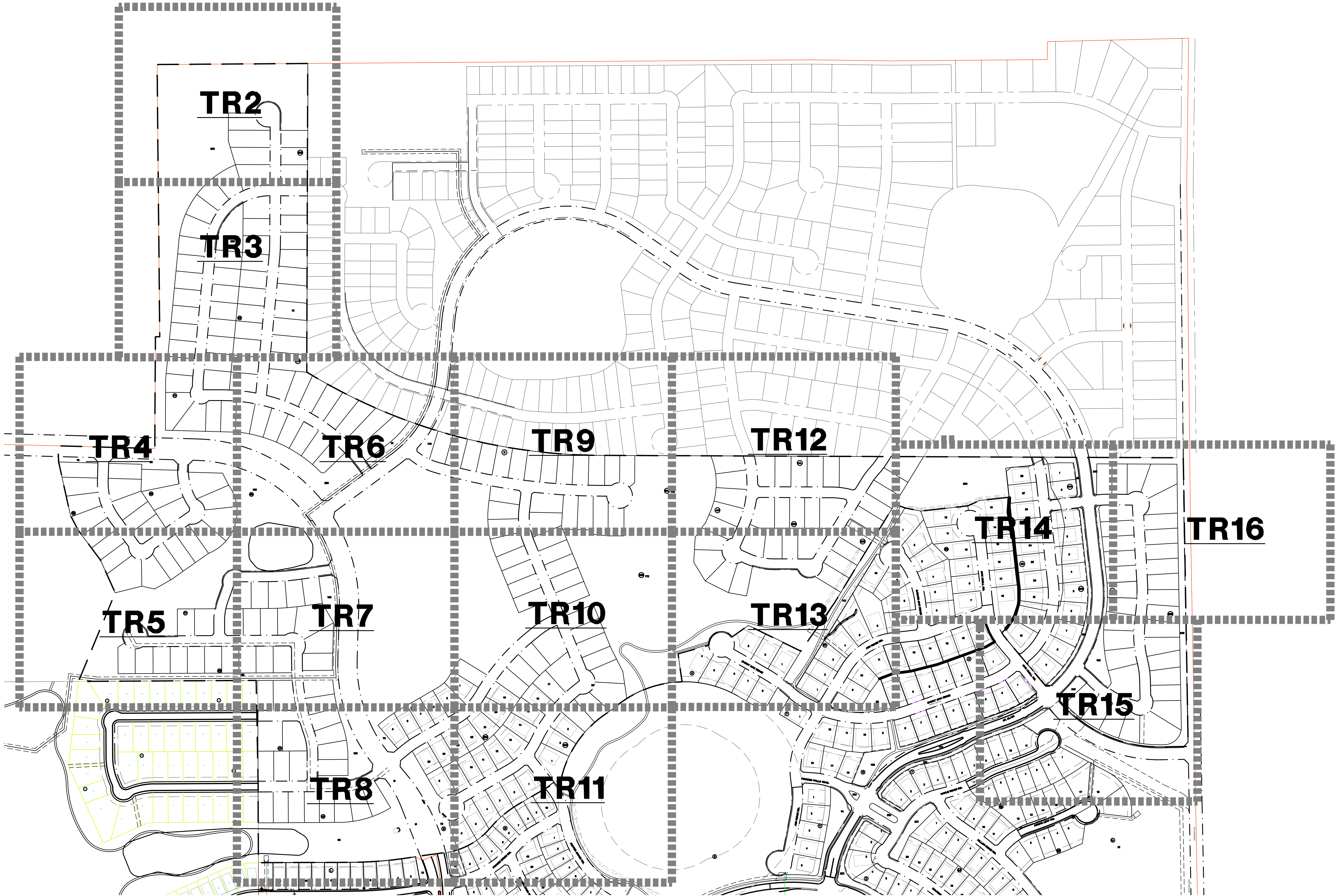
x 2178



THE BUILDABLE AREA OF THE LOT IS DEFINED BY THE AREA ENCOMPASSED BY THE FRONT, REAR AND SIDE BUILDING LINES. THE ACTUAL TREE REMOVAL WILL BE BASED ON THE PAD LOCATION, THEREFORE; ADDITIONAL TREES WILL BE SAVED.

Plotted by: Leonard Plot Date: 9/27/2013 9:09 AM

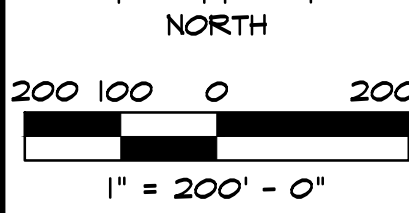
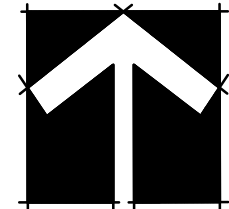
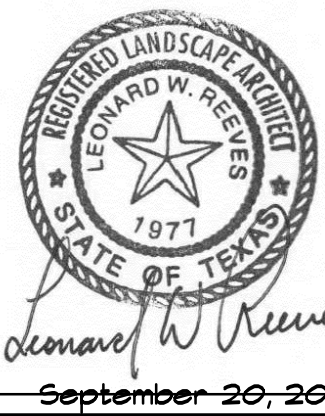
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THE BUILDABLE AREA OF THE LOT IS DEFINED BY THE AREA ENCOMPASSED BY THE FRONT, REAR AND SIDE BUILDING LINES. THE ACTUAL TREE REMOVAL WILL BE BASED ON THE PAD LOCATION, THEREFORE, ADDITIONAL TREES WILL BE SAVED.



Studio 13 Design Group, PLLC.
519 Bennett Lane, Suite 203
Lewisville, Texas 75057
469-635-1900



Bar is one inch on original drawing. If not one inch on this sheet, adjust scale as necessary.

One Inch

TREE SURVEY

Overall Plan

Canyon Falls - Phase 1

Town of Flower Mound, Denton County, Texas

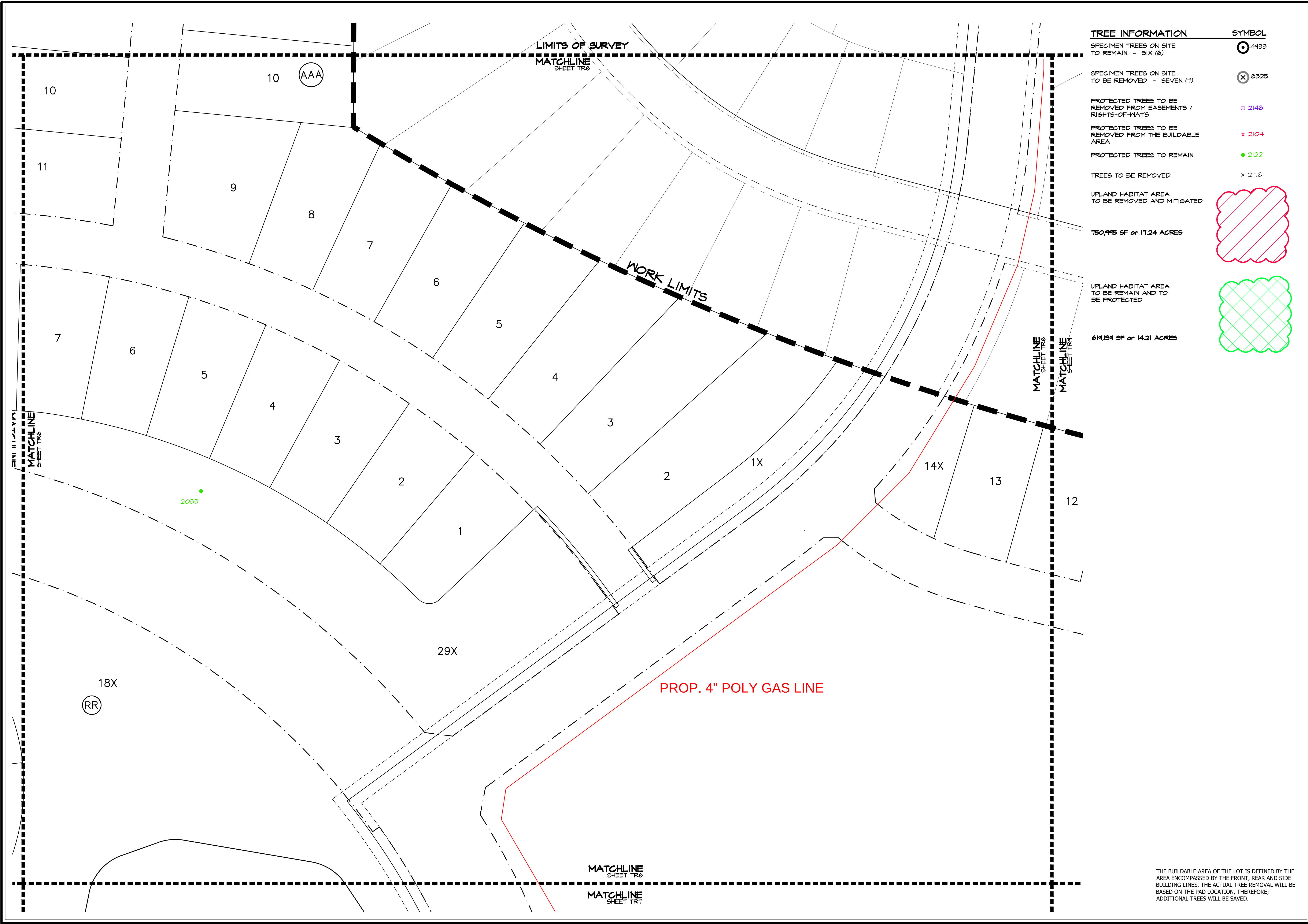
PLAN REVIEW REVISIONS		BY	DATE
#	Revised Site Layout	LWR	12-7-2012
1			
2	Revised to show Upland Habitat per Town Urban Forester	LWR	9-20-2013

PROJECT
WSC002

SHEET
TR1 of 16

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TREE INFORMATION

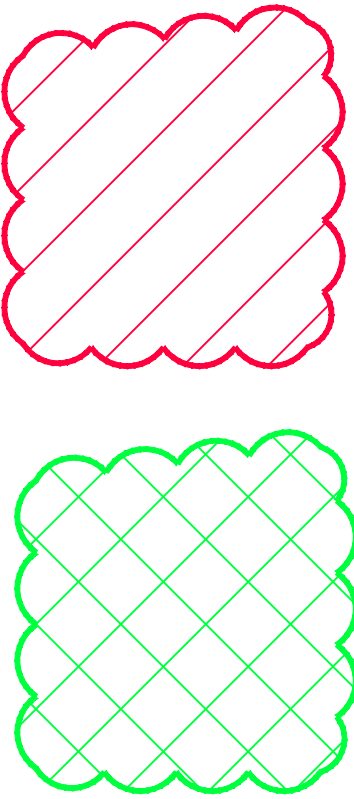
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- SPECIMEN TREES ON SITE TO BE REMOVED - SEVEN (7)
- PROTECTED TREES TO BE REMOVED FROM EASEMENTS / RIGHTS-OF-WAYS
- PROTECTED TREES TO BE REMOVED FROM THE BUILDABLE AREA
- PROTECTED TREES TO REMAIN
- TREES TO BE REMOVED
- UPLAND HABITAT AREA TO BE REMOVED AND MITIGATED
- UPLAND HABITAT AREA TO BE REMAIN AND TO BE PROTECTED

SYMBOL

- 4433
- 8325
- 2148
- 2104
- 2122
- 2178

750,995 SF or 17.24 ACRES

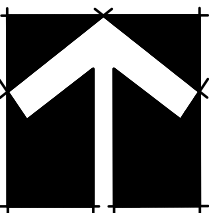
619,194 SF or 14.21 ACRES



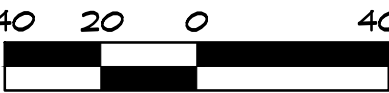
THE BUILDABLE AREA OF THE LOT IS DEFINED BY THE AREA ENCOMPASSED BY THE FRONT, REAR AND SIDE BUILDING LINES. THE ACTUAL TREE REMOVAL WILL BE BASED ON THE PAD LOCATION, THEREFORE; ADDITIONAL TREES WILL BE SAVED.



Studio 13 Design Group, PLLC.
519 Bennett Lane, Suite 203
Lewisville, Texas 75057
469-635-1900



NORTH



1" = 40' - 0"

Bar is one inch on original drawing. If not one inch on this sheet, adjust scale as necessary.

One Inch

TREE SURVEY

Removal Plan

Canyon Falls - Phase 1

Town of Flower Mound, Denton County, Texas

#	PLAN REVIEW REVISIONS	BY	DATE
1	Revised Site Layout	LWR	12-7-2012
2	Revised to show Upland Habitat per Town Urban Forester	LWR	9-20-2013

PROJECT

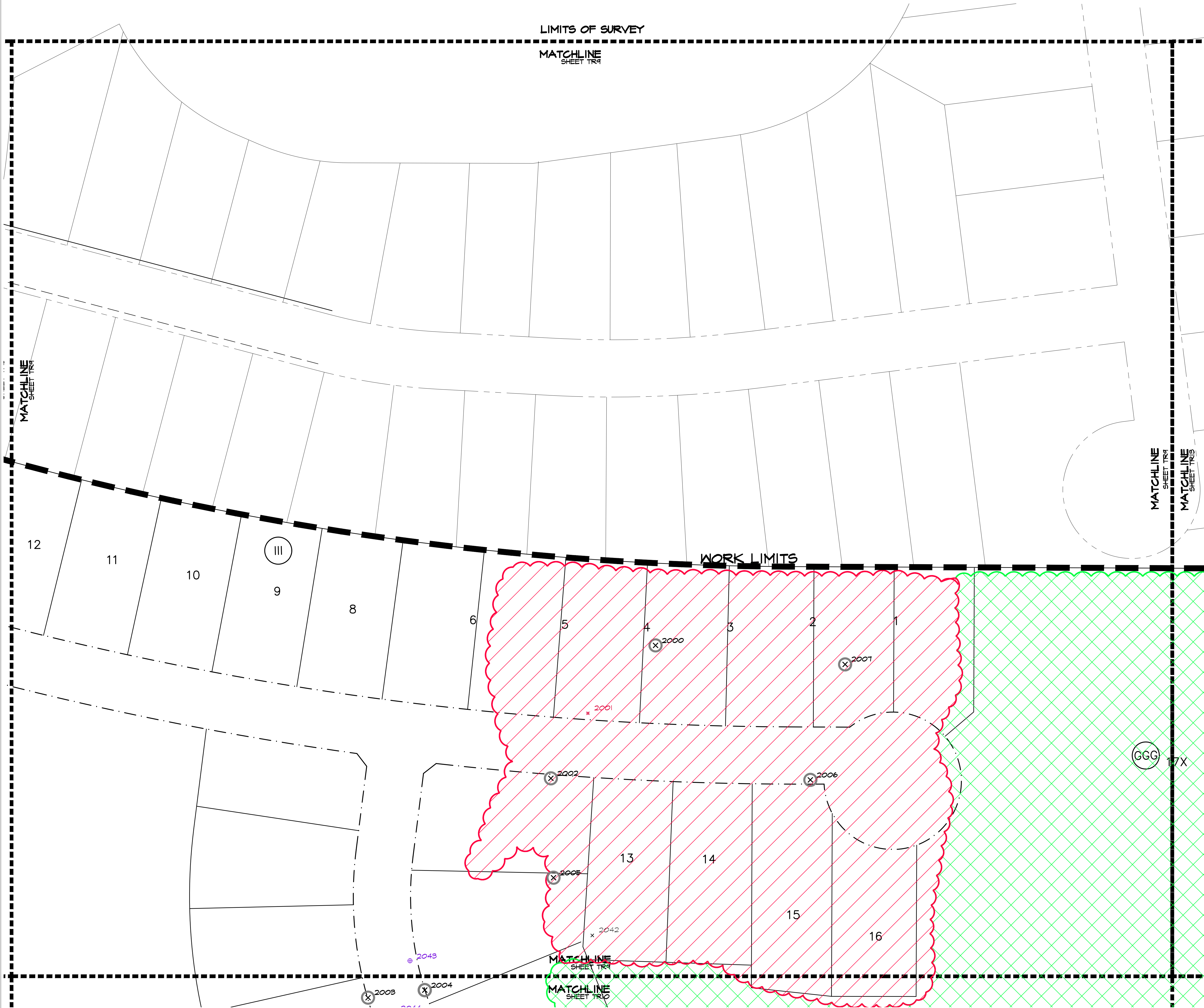
WSC002

SHEET

TR6 of 16

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TREE INFORMATION

SPECIMEN TREES ON SITE TO REMAIN

SYMBOL

4933

SPECIMEN TREES ON SITE TO BE REMOVED

8325

PROTECTED TREES TO BE REMOVED FROM EASEMENTS / RIGHTS-OF-WAYS

2148

PROTECTED TREES TO BE REMOVED FROM THE BUILDABLE AREA

2104

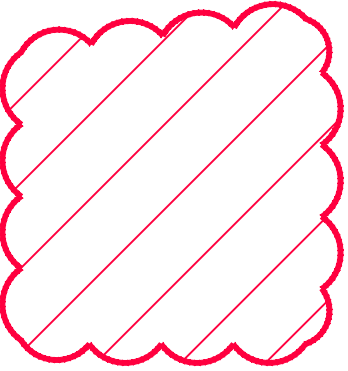
PROTECTED TREES TO REMAIN

2122

TREES TO BE REMOVED

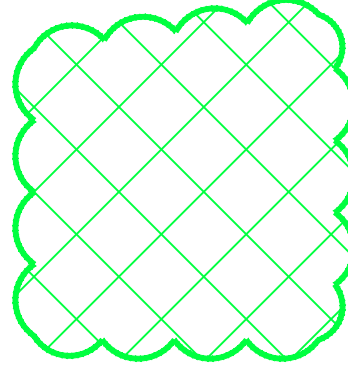
2178

UPLAND HABITAT AREA TO BE REMOVED AND MITIGATED



750,495 SF or 17.24 ACRES

UPLAND HABITAT AREA TO BE REMAIN AND TO BE PROTECTED



619,194 SF or 14.21 ACRES

THE BUILDABLE AREA OF THE LOT IS DEFINED BY THE AREA ENCOMPASSED BY THE FRONT, REAR AND SIDE BUILDING LINES. THE ACTUAL TREE REMOVAL WILL BE BASED ON THE PAD LOCATION, THEREFORE, ADDITIONAL TREES WILL BE SAVED.

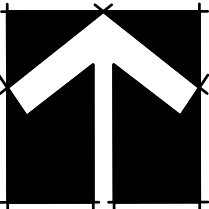
STUDIO 13
DESIGN GROUP

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

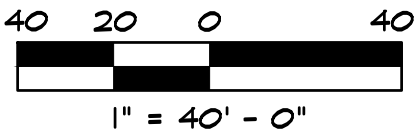
TBAE Firm #BR643



December 14, 2016



NORTH



1" = 40' - 0"

Bar is one inch on original drawing. If not one inch on this sheet, adjust scale as necessary.

One Inch

TREE SURVEY

Removal Plan

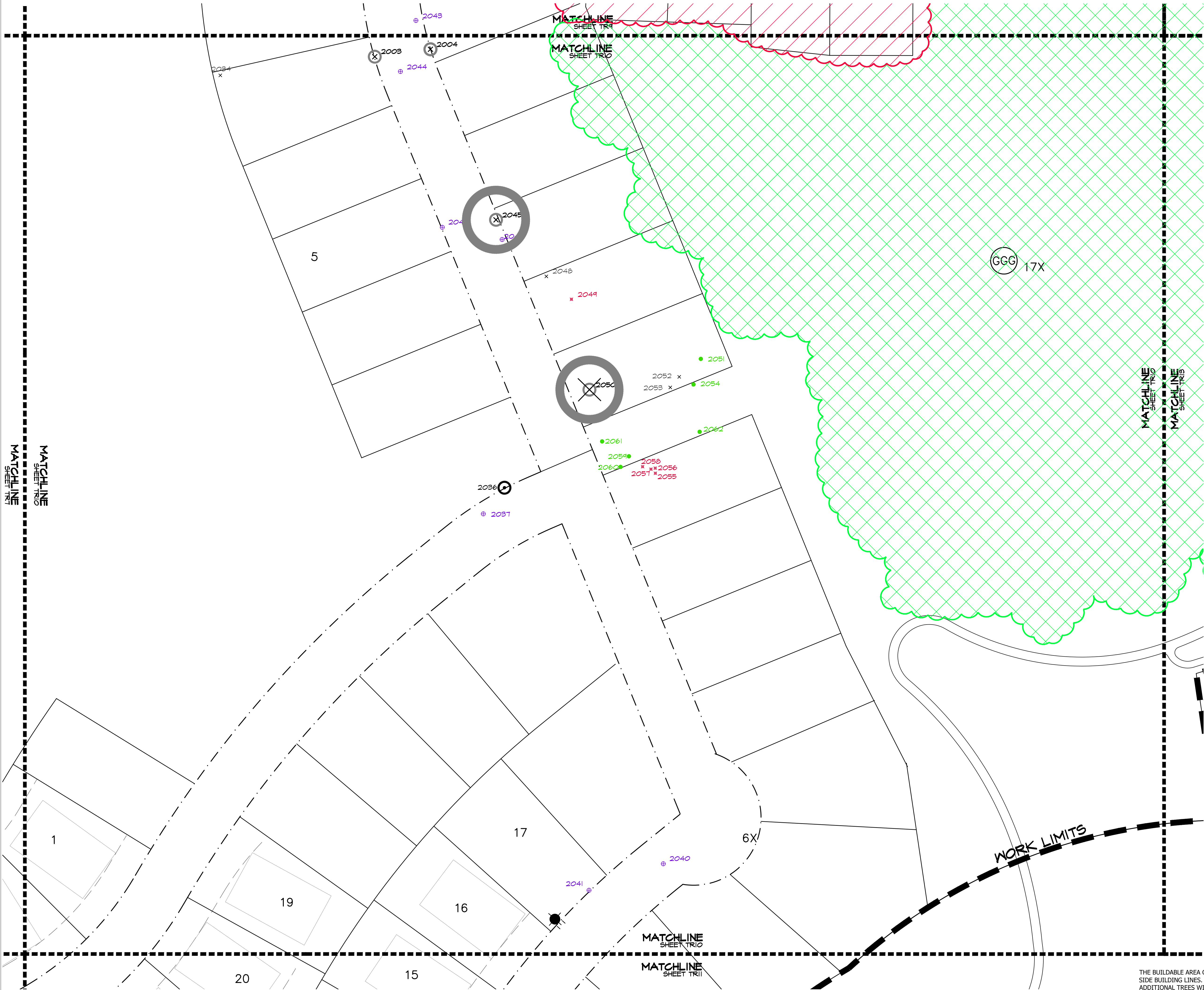
Canyon Falls - Phase 1

Town of Flower Mound, Denton County, Texas

#	PLAN REVIEW REVISIONS	BY	DATE
1	Revised Site Layout	LWR	12-7-2012
2	Revised to show Upland Habitat per Town Urban Forester	LWR	9-20-2013

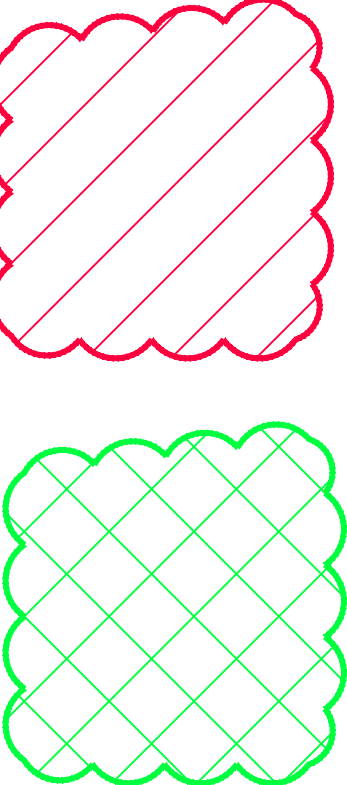
PROJECT
WSC002

SHEET
TR9 of 16



TREE INFORMATION	
SPECIMEN TREES ON SITE TO REMAIN	4433
SPECIMEN TREES ON SITE TO BE REMOVED	8325
PROTECTED TREES TO BE REMOVED FROM EASEMENTS / RIGHTS-OF-WAYS	2148
PROTECTED TREES TO BE REMOVED FROM THE BUILDABLE AREA	2104
PROTECTED TREES TO REMAIN	2122
TREES TO BE REMOVED	2178
UPLAND HABITAT AREA TO BE REMOVED AND MITIGATED	
750,995 SF or 17.24 ACRES	
UPLAND HABITAT AREA TO BE REMAIN AND TO BE PROTECTED	
619,139 SF or 14.21 ACRES	

SYMBOL	
4433	
8325	
2148	
2104	
2122	
2178	



STUDIO
DESIGN GROUP

Studio 13 Design Group, PLLC.
386 W. Main Street
Lewisville, Texas 75057
469-635-1900
TBAE Firm #BR643

December 14, 2016

NORTH

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One Inch

TREE SURVEY

Removal Plan

Canyon Falls - Phase 1

Town of Flower Mound, Denton County, Texas

PLAN REVIEW REVISIONS	BY	DATE
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PROJECT

WSC002

SHEET

TR10 of 16

THE BUILDABLE AREA OF THE LOT IS DEFINED BY THE AREA ENCOMPASSED BY THE FRONT, REAR AND SIDE BUILDING LINES. THE ACTUAL TREE REMOVAL WILL BE BASED ON THE PAD LOCATION, THEREFORE, ADDITIONAL TREES WILL BE SAVED.

WSC002

<u>Tree No.</u>	<u>Size</u>	<u>Common Name</u>	<u>Scientific Name</u>	<u>Cond.</u>	<u>Status</u>	<u>Specimen</u>	<u>Habitat Delineation</u>
2000	27.75	Cedar Elm		Good	Buildable Area	Specimen	
2001	23.75	Cedar Elm		UL	Not Protected		
2002	29	Cedar Elm		Good	Remove	Specimen	
2003	39	Post Oak		Good	Remove	Specimen	
2004	35	Post Oak		Good	Remove	Specimen	
2005	21.75	Cedar Elm		CD	Remove	Specimen	
2006	23.75	Cedar Elm		Good	Easement	Specimen	
2007	21.25	Cedar Elm		CD	Easement	Specimen	
2008	NUMBER NOT USED						
2009	7.25	Cedar Elm		Good	Save		
2010	6.5	Cedar Elm		Good	Save		
2011	6.75	Cedar Elm		Good	Save		
2012	6.75	Cedar Elm		Good	Save		
2013	7.25	Cedar Elm		Good	Save		
2014	11.25	Cedar Elm		Good	Save		
2015	6.75	Cedar Elm		Good	Save		
2016	10.25	Cedar Elm		Good	Save		
2017	8	Cedar Elm		UL	Not Protected		
2018	7	Cedar Elm		Good	Save		
2019	14.25	Cedar Elm		Good	Save		
2020	9.25	Cedar Elm		Good	Save		
2021	7	Cedar Elm		Good	Easement		
2022	24.75	American Elm		RD	Save		
2023	19	American Elm		RD	Save		
2024	15	Chittam Wood		UL	Not Protected		
2025	7	American Elm		CD	Save		
2026	11.75	American Elm		UL	Not Protected		
2027	10.5	Cedar Elm		UL	Not Protected		
2028	7.5	Cedar Elm		UL	Not Protected		
2029	10.75	Cedar Elm		UL	Not Protected		
2030	7.75	Cedar Elm		UL	Not Protected		
2031	7.5	Chittam Wood		UL	Not Protected		
2032	6.75	Chittam Wood		UL	Not Protected		
2033	7	Chittam Wood		UL	Not Protected		
2034	8.5	Chittam Wood		UL	Not Protected		
2035	6	Chittam Wood		Good	Save		
2036	37	Post Oak		Good	Easement	Specimen	
2037	32	Post Oak		Good	Remove		
2038	20.75	American Elm		Good	Remove		
2039	9.75	Chittam Wood		Good	Save		
2040	21.75	Post Oak		Good	Save		
2041	19.25	Post Oak		UL	Not Protected		
2042	21.25	Cedar Elm		Split Trunk	Remove		
2043	30.5	Post Oak		Good	Remove		
2044	28	Post Oak		Good	Buildable Area		
2045	34	Post Oak		Good	Buildable Area	Specimen	
2046	6.75	Cedar Elm		UL	Not Protected		

<u>Tree No.</u>	<u>Size</u>	<u>Common Name</u>	<u>Scientific Name</u>	<u>Cond.</u>	<u>Status</u>	<u>Specimen</u>	<u>Habitat Delineation</u>
2047	13.5	Chittam Wood		UL	Not Protected		
2048	20	Post Oak		Good	Remove		
2049	22.5	Post Oak		Rotten Trunk	Not Protected		
2050	36.75	Cedar Elm		Good	Buildable Area	Specimen	
2051	19	Post Oak		Leaning Trunk	Save		
2052	13	Post Oak		UL	Not Protected		
2053	17	Post Oak		UL	Not Protected		
2054	18.5	Post Oak		Good	Remove		
2055	6.75	Cedar Elm		UL	Not Protected		
2056	6.25	Cedar Elm		UL	Not Protected		
2057	7.25	Cedar Elm		UL	Not Protected		
2058	6.5	Cedar Elm		UL	Not Protected		
2059	8.25	Cedar Elm		Good	Buildable Area		
2060	7.75	Cedar Elm		Good	Buildable Area		
2061	6.75	Cedar Elm		Good	Buildable Area		
2062	7	Cedar Elm		CD	Remove		
2063	22.5	American Elm		Good	Buildable Area		
2064	14	American Elm		Good	Remove		
2065	8	Black Jack Oak		UL	Not Protected		
2066	6.75	Black Jack Oak		UL	Not Protected		
2067	7.5	Post Oak		Good	Remove		
2068	17.5	Black Jack Oak		Good	Remove		
2069	19.5	Black Jack Oak		Good	Save		
2070	6.75	Black Jack Oak		UL	Not Protected		
2071	6.5	Black Jack Oak		Good	Save		
2072	6.5	Black Jack Oak		Good	Remove		
2073	16	Black Jack Oak		Good	Buildable Area		
2074	6	Black Jack Oak		UL	Not Protected		
2075	10.5	Black Jack Oak		Good	Buildable Area		
2076	6.25	Post Oak		Good	Buildable Area		
2077	9.25	Post Oak		Good	Easement		
2078	17	Pecan		Good	Remove		
2079	8	American Elm		UL	Not Protected		
2080	8.5	Cedar Elm		Good	Remove		
2081	15.25	American Elm		UL	Not Protected		
2082	11.5	Post Oak		Good	Remove		
2083	8.75	Black Jack Oak		UL	Not Protected		
2084	12.25	Post Oak		Good	Easement		
2085	11.25	American Elm		UL	Not Protected		
2086	12	American Elm		UL	Not Protected		
2087	17.5	Pecan		Good	Remove		
2088	16.25	American Elm		Good	Easement		
2089	6	Cedar Elm		Good	Remove		
2090	32.25	American Elm		Good	Easement		
2091	11	American Elm		US	Remove		
2092	16	Black Jack Oak		Good	Buildable Area		
2093	15.25	Black Jack Oak		UL	Not Protected		
2094	15.25	Black Jack Oak		Good	Buildable Area		
2095	6.5	Black Jack Oak		UL	Not Protected		
2096	8	Post Oak		Good	Buildable Area		
2097	15.25	Black Jack Oak		UL	Not Protected		
2098	15	Black Jack Oak		Rotten Trunk	Not Protected		
2099	21	Black Jack Oak		Good	Buildable Area	Specimen	

<u>Tree No.</u>	<u>Size</u>	<u>Common Name</u>	<u>Scientific Name</u>	<u>Cond.</u>	<u>Status</u>	<u>Specimen</u>	<u>Habitat Delineation</u>
2100	NUMBER NOT USED						
2101	14.75	American Elm		Good	Remove		
2102	13.75	Chittam Wood		Good	Remove		
2103	9.25	Pecan		UL	Not Protected		
2104	11.5	Pecan		UL	Not Protected		
2105	9.75	American Elm		UL	Not Protected		
2106	8	Cedar Elm		UL	Not Protected		
2107	6.75	Cedar Elm		UL	Not Protected		
2108	6	Cedar Elm		US	Save		
2109	8.75	Cedar Elm		UL	Not Protected		
2110	20.5	American Elm		UL	Not Protected		
2111	10.25	Cedar Elm		UL	Not Protected		
2112	8.25	Cedar Elm		US	Remove		
2113	6.5	Cedar Elm		UL	Not Protected		
2114	7.75	Cedar Elm		Good	Save		
2115	8.5	Cedar Elm		UL	Not Protected		
2116	9.5	Cedar Elm		UL	Not Protected		
2117	7.75	Cedar Elm		UL	Not Protected		
2118	7.75	Cedar Elm		UL	Not Protected		
2119	6	Cedar Elm		LT	Save		
2120	6.25	Cedar Elm		US	Save		
2121	10.5	Cedar Elm		UL	Not Protected		
2122	8.75	Cedar Elm		Good	Save		
2123	8	Cedar Elm		UL	Not Protected		
2124	8	Cedar Elm		Good	Remove		
2125	11.75	American Elm		Good	Save		
2126	6.75	Cedar Elm		UL	Not Protected		
2127	11.5	Cedar Elm		UL	Not Protected		
2128	11	Pecan		Good	Easement		
2129	17.75	Pecan		Good	Easement		
2130	6	Pecan		UL	Not Protected		
2131	8	Pecan		UL	Not Protected		
2132	6	Pecan		UL	Not Protected		
2133	6.5	Pecan		UL	Not Protected		
2134	8	Black Jack Oak		UL	Not Protected		
2135	12	Black Jack Oak		Good	Buildable Area		
2136	8.25	Black Jack Oak		Good	Remove		
2137	10.25	Black Jack Oak		Good	Remove		
2138	7	Black Jack Oak		UL	Not Protected		
2139	6	Black Jack Oak		UL	Not Protected		
2140	7	Black Jack Oak		UL	Not Protected		
2141	7.5	Black Jack Oak		UL	Not Protected		
2142	8.75	Black Jack Oak		Good	Remove		
2143	9.75	Black Jack Oak		Good	Buildable Area		
2144	6.25	Black Jack Oak		UL	Not Protected		
2145	8.5	Black Jack Oak		Good	Buildable Area		
2146	10.5	Black Jack Oak		Good	Buildable Area		
2147	9.5	Post Oak		LT	Easement		
2148	24	Post Oak		Good	Easement		
2149	15.25	Black Jack Oak		Good	Easement		
2150	7.5	American Elm		UL	Not Protected		
2151	13.5	Cedar Elm		Good	Remove		
2152	8.5	Cedar Elm		UL	Not Protected		

<u>Tree No.</u>	<u>Size</u>	<u>Common Name</u>	<u>Scientific Name</u>	<u>Cond.</u>	<u>Status</u>	<u>Specimen</u>	<u>Habitat Delineation</u>
2153	7.25	Cedar Elm		UL	Not Protected		
2154	6	Cedar Elm		Good	Remove		
2155	6.25	Cedar Elm		UL	Not Protected		
2156	9.25	Cedar Elm		UL	Not Protected		
2157	6.25	Cedar Elm		UL	Not Protected		
2158	7.75	Cedar Elm		UL	Not Protected		
2159	8.75	Cedar Elm		UL	Not Protected		
2160	8.25	Cedar Elm		UL	Not Protected		
2161	7.5	Cedar Elm		UL	Not Protected		
2162	7.5	Cedar Elm		UL	Not Protected		
2163	6.75	Cedar Elm		UL	Not Protected		
2164	7.5	Cedar Elm		Good	Remove		
2165	11	Cedar Elm		UL	Not Protected		
2166	8	Cedar Elm		UL	Not Protected		
2167	7.75	Cedar Elm		Good	Remove		
2168	11	Cedar Elm		Good	Remove		
2169	6.75	Cedar Elm		UL	Not Protected		
2170	6.5	Cedar Elm		UL	Not Protected		
2171	6	Cedar Elm		UL	Not Protected		
2172	7.75	Cedar Elm		Good	Remove		
2173	7.75	Cedar Elm		UL	Not Protected		
2174	10.25	Black Jack Oak		UL	Not Protected		
2175	8.5	Black Jack Oak		UL	Not Protected		
2176	33.25	Post Oak		Good	Remove		
2177	20.25	Post Oak		UL	Not Protected		
2178	6.5	Cedar Elm		Good	Remove		
2179	12.25	Black Jack Oak		Good	Buildable Area		
2180	NUMBER NOT USED						
2181	8.25	Cedar Elm		Good	Easement		
2182	NUMBER NOT USED						
2183	8.25	Cedar Elm		UL	Not Protected		
2184	10.5	Pecan		UL	Not Protected		
2185	8.25	Cedar Elm		Good	Remove		
2186	9	Cedar Elm		Good	Remove		
2187	7.25	Cedar Elm		Good	Remove		
2188	16	Pecan		Good	Easement		
2189	11.75	Pecan		Good	Remove		
2190	20.25	Cedar Elm		Good	Remove		
2191	12.75	Cedar Elm		Good	Easement		
2192	32.5	American Elm		Good	Easement		
2193	10.75	Black Jack Oak		UL	Not Protected		
2194	6.25	Cedar Elm		UL	Not Protected		
2195	8.5	Cedar Elm		UL	Not Protected		
2196	11.25	Post Oak		Good	Remove		
2197	NUMBER NOT USED						
2198	NUMBER NOT USED						
2199	NUMBER NOT USED						
2200	NUMBER NOT USED						
2201	11.25	Black Jack Oak		Good	Buildable Area		
2202	7.5	Black Jack Oak		Good	Buildable Area		
2203	6.75	Black Jack Oak		UL	Not Protected		
2204	6.5	Black Jack Oak		UL	Not Protected		
2205	7	Black Jack Oak		UL	Not Protected		

<u>Tree No.</u>	<u>Size</u>	<u>Common Name</u>	<u>Scientific Name</u>	<u>Cond.</u>	<u>Status</u>	<u>Specimen</u>	<u>Habitat Delineation</u>
2206	17	Black Jack Oak		Good	Buildable Area		
2207	8.5	Black Jack Oak		Good	Buildable Area		
2208	22.5	Black Jack Oak		Good	Remove		
2209	30.25	Post Oak		Good	Remove		
2210	8.5	American Elm		UL	Not Protected		
2211	NUMBER NOT USED						
2212	8	American Elm		UL	Not Protected		
2213	11.5	Post Oak		UL	Not Protected		
2214	9.5	Black Jack Oak		US	Easement		
2215	7.25	American Elm		Good	Remove		
2216	10	Black Jack Oak		US	Save		
2217	15	American Elm		UL	Not Protected		
2218	6	Post Oak		UL	Not Protected		
2219	6.75	Black Jack Oak		UL	Not Protected		
2220	6.5	Cedar Elm		UL	Not Protected		
2221	NUMBER NOT USED						
2222	10.25	Cedar Elm		UL	Not Protected		
2223	6	Cedar Elm		UL	Not Protected		
2224	6.25	American Elm		UL	Not Protected		
2225	8	Cedar Elm		UL	Not Protected		
2226	9.5	Cedar Elm		Good	Buildable Area		
2227	7	Cedar Elm		UL	Not Protected		
2228	6.75	Cedar Elm		UL	Not Protected		
2229	6	Cedar Elm		UL	Not Protected		
2230	8	Cedar Elm		Good	Buildable Area		
2231	7.75	Cedar Elm		UL	Not Protected		
2232	6.5	Cedar Elm		UL	Not Protected		
2233	6.75	Cedar Elm		UL	Not Protected		
2234	7	Cedar Elm		Good	Buildable Area		
2235	8.25	Cedar Elm		UL	Not Protected		
2236	8.25	Cedar Elm		UL	Not Protected		
2237	8	Cedar Elm		UL	Not Protected		
2238	7.5	American Elm		UL	Not Protected		
2239	24.5	Cedar Elm		Good	Remove	Specimen	
2240	7.5	Cedar Elm		UL	Not Protected		
2241	10.75	American Elm		UL	Not Protected		
2242	7	Cedar Elm		UL	Not Protected		
2243	8	Pecan		Good	Remove		
2244	8	Pecan		Good	Buildable Area		
2245	6.25	Cedar Elm		UL	Not Protected		
2246	6.75	Cedar Elm		UL	Not Protected		
2247	9.25	Cedar Elm		UL	Not Protected		
2248	7.75	Cedar Elm		Good	Easement		
2249	8.75	Post Oak		UL	Not Protected		
2250	9.5	Black Jack Oak		UL	Not Protected		
2251	8.5	Black Jack Oak		LT	Easement		
2252	11.75	Black Jack Oak		UL	Not Protected		
2253	NUMBER NOT USED						
2254	7.25	Black Jack Oak		Good	Easement		
2255	8	Black Jack Oak		UL	Not Protected		
2256	7.25	Black Jack Oak		UL	Not Protected		
2257	16.75	Black Jack Oak		Good	Buildable Area		
2258	17	Post Oak		Good	Remove		

<u>Tree Classification</u>	<u>Total Caliper Inches - Protected Trees</u>	<u>Cal. Inches to be Mitigated</u>
Buildable Area	411.3	0.0
Easement	339.0	0.0
Remove	763.5	763.5
Save	283.0	0.0
Total Caliper Inches to Be Mitigated		1,145.3

The upland habitat area that is impacted by development plan #3 is 750,995 square feet or 17.24 acres. Record plats for Villages 10A, 13 & 16B will impact 270,072 square feet or 6.2 acres of Upland Habitat. Per the Town of Flower Mound requirements, a fee of \$15,000 per acre shall be owed to the Town's Tree Preservation Fund.





ENVIRONMENTAL CONSERVATION COMMISSION AGENDA ITEM NO. 4

REGULAR ITEM

DATE: January 3, 2017

FROM: James Hoefert, Environmental Review Analyst

PRESENTER: Reginald Rembert, w/ Rembert Enterprises, Inc.

ITEM: Consider an application for a tree removal permit for five (5) specimen trees on property proposed for development as Hillside of Flower Mound. The property is generally located south of Cross Timbers Road and west of Shiloh Road.

BACKGROUND INFORMATION:

The Hillside of Flower Mound residential development is generally located south of Cross Timbers Road and west of Shiloh Road. The site is approximately 43.20 acres in size, is currently master planned for the Cross Timbers Conservation Development District, and zoned for Planned Development District No. 143 (PD-143) for a cluster development. The applicant has elected to follow the new Tree Ordinance standards, which were passed and approved by Town Council on 11/21/2016. The specimen size for post oak trees under the new Tree Ordinance was reduced from 25" to 22". The applicant previously received approval to remove nine (9) specimen trees and is now requesting the removal of five (5) additional specimen trees from the site in order to build a residential subdivision. All five (5) of the specimen trees now being requested for removal are post oak trees that have a DBH less than 25". The five (5) specimen trees proposed for removal are in good condition and are all located within the proposed buildable area.

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

Tree #88 (located in the buildable area) – 24" post oak

Tree #223 (located in the buildable area) – 24" post oak

Tree #233 (located in the buildable area) – 22.5" post oak

Tree #1106 (located in the buildable area) – 24" post oak

Tree #1252 (located in the buildable area/Upland Habitat) – 24" post oak

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 four (4) specimen trees that are located outside the Upland Habitat, 189" of replacement trees, equaling 63 three-inch caliper trees, will be required for the removal of those four (4) specimen trees on this site.

CITIZEN FEEDBACK: As of December 29, 2016, 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. Project Tree Survey and Plot Plan.

RECOMMENDATION: Move to recommend approval or denial of the requested permit for the removal of five (5) specimen trees on property proposed for development as Hillside of Flower Mound. The property is generally located south of Cross Timbers Road and west of Shiloh Road.



Rembert Enterprises, Inc.

3625 Bonanza Lane Flower Mound, TX 75022

December 30, 2016

James Hoefert
Town of Flower Mound
1001 Cross Timbers Road #2330
Flower Mound, TX 75028

RE: Application for Tree Removal Permit
Hillside Flower Mound (Community)

Dear Mr. Hoefert,

Please accept this as our formal Letter of Intent to describe and explain the requested application for a Tree Removal Permit.

There are 2000+ protected trees on this site. Based on the new tree ordinance there are now a total of 51 specimen trees. We have attached a revised Tree Survey for reference. We are requesting the removal of 5 additional specimen trees, based on new specimen tree designation for post oak trees.

- | | | |
|--------------|----------------|-----------------------------------|
| • Tree #88 | 24" Post Oak | Right-of-Way |
| • Tree #223 | 24" Post Oak | Right-of-Way |
| • Tree #233 | 22.5" Post Oak | Right-of-Way |
| • Tree #1252 | 24" Post Oak | Right-of-Way |
| • Tree #1106 | 24" Post Oak | Lot 9, Block B, Drainage Easement |

The reason for the proposed removal of the trees #'s 88, 223, 233 & 1252 are that they fall within a proposed Right-of-Way (ROW). Tree 1106 is located in an area that needs to be graded for proposed storm drainage system and swale. A photograph of each tree is attached.

Sincerely,

Reginald Rembert

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: John St. Clair, St Clair Design Group

Address:

 P.O. BOX 12519-0519
 Dallas, TX 75225

Phone:

Applicant's Legal Interest in the Property:

 Landscape Architect

2. Property Owner(s)

Name(s): Rembert Enterprises, Inc.

Address: 3625 Bonanza Lane
 Flower Mound, TX 75022

3. Location and Legal Description of Property:

 43.191 Acres out of the M.E.P. & P. Survey, Abstract No. 935

 T. & P. Railroad Co. Survey, Abstract No. 1618

 Town of Flower Mound, Denton County, Texas

 (Located on the South side of Cross Timbers Road just west of Shiloh Road.)

4. Owner's Authorization of Representation

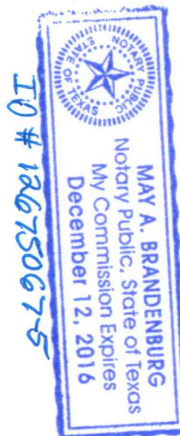
I, Reginald Rembert, the owner of the above described real property, do hereby authorize Reginald Rembert to represent my interests and to file an Application for Tree Removal Permit for said real property, pursuant to the terms and provisions of Chapter 94 (Trees), of the Land Development Regulations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

[Signature]
Signature of Owner

Given Under My Hand and Seal of Office
This the 9th Day of December, 2016

[Signature]
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 Subpart B, the Land Development Regulations of the Town of Flower Mound, Texas Code of Ordinances, I John St. Clair, 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]
Signature of Applicant

Landscape Architect License No. 2210

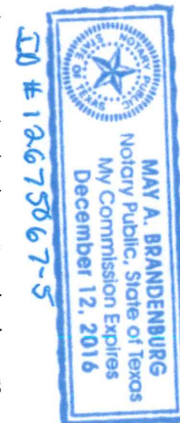
State of Licensure TEXAS

Or ISA Certified Arborist No. _____

Given Under My Hand and Seal of Office
This the 9th Day of December, 2016

[Signature]
Notary Public

In and For Denton County, Texas



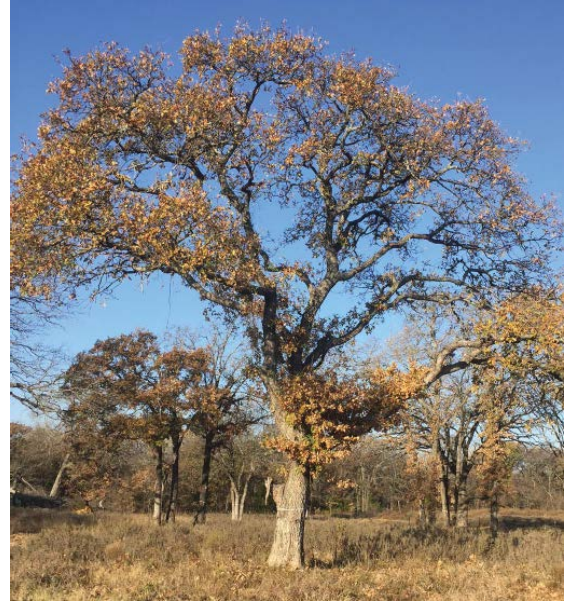
6. Received by Town of Flower Mound on (Date) 12/14/2016 by (initials) JRH.

Hillside of Flower Mound Specimen Trees proposed for removal

Tree #88 – 24" post oak



Tree #223 – 24" post oak



Tree #233 – 22.5" post oak



Tree #1106 – 24" post oak



Tree #1252 – 24" post oak



Tree Removal Request Signage



**HILLSIDE OF FLOWER MOUND
RESIDENTIAL SUBDIVISION
FLOWER MOUND, TEXAS**

TREE SURVEY - NORTH

Scale: 1" = 40'

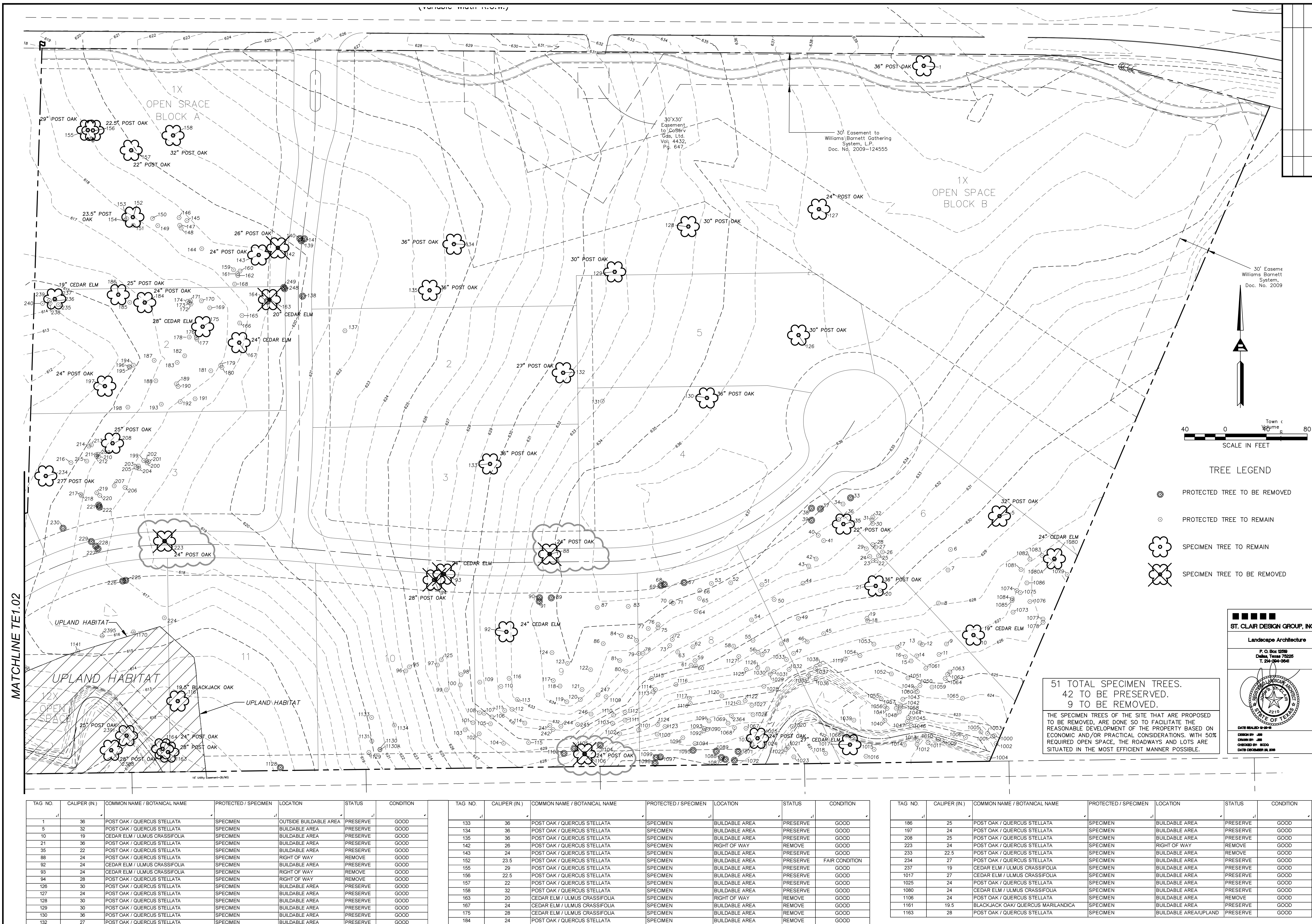
Designed by: LDR

Checked by: TAL
Date: DECEMBER 13, 2016

Date: DECEMBER 13, 2018

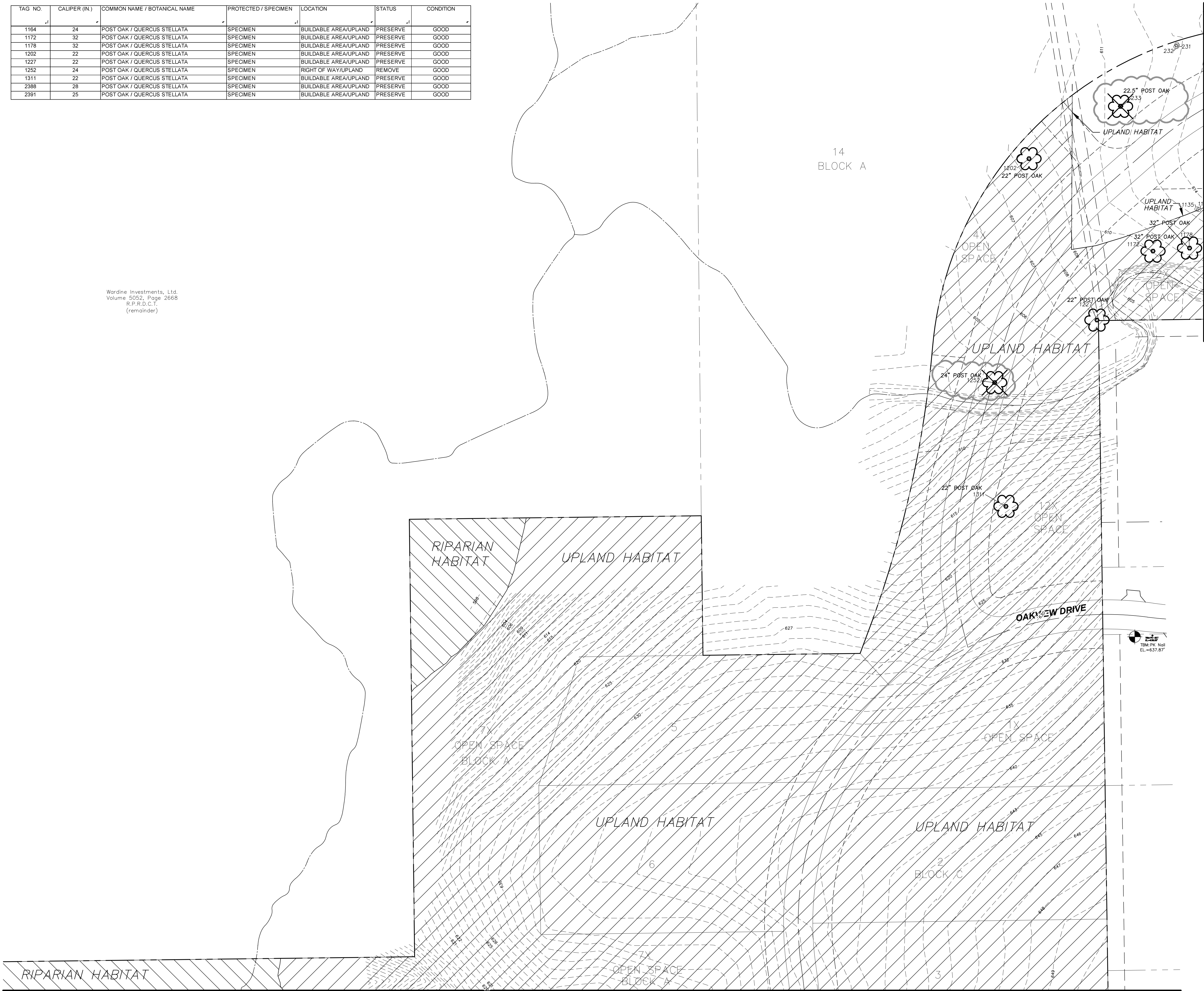
SHEET

TS-1

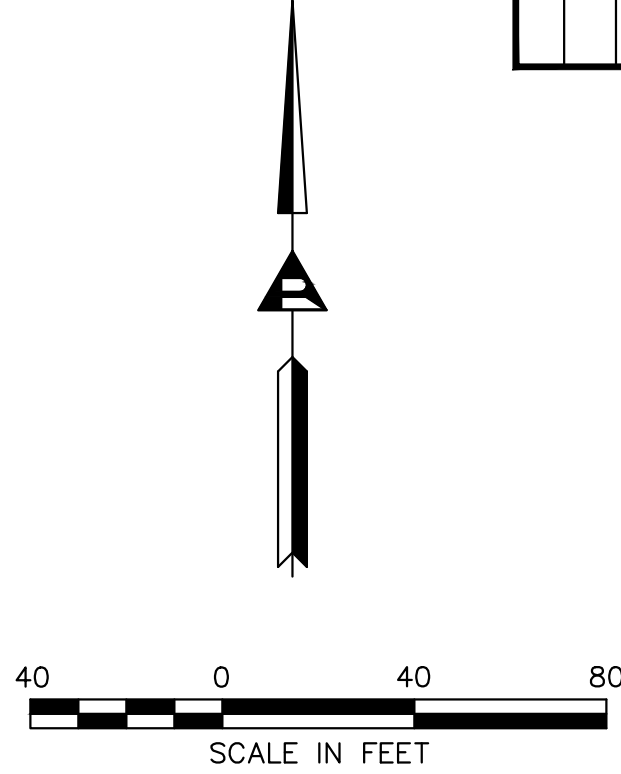


TAG NO.	CALIPER (IN.)	COMMON NAME / BOTANICAL NAME	PROTECTED / SPECIMEN	LOCATION	STATUS	CONDITION
1164	24	POST OAK / QUERCUS STELLATA	SPECIMEN	BUILDABLE AREA/UPLAND	PRESERVE	GOOD
1172	32	POST OAK / QUERCUS STELLATA	SPECIMEN	BUILDABLE AREA/UPLAND	PRESERVE	GOOD
1178	32	POST OAK / QUERCUS STELLATA	SPECIMEN	BUILDABLE AREA/UPLAND	PRESERVE	GOOD
1202	22	POST OAK / QUERCUS STELLATA	SPECIMEN	BUILDABLE AREA/UPLAND	PRESERVE	GOOD
1227	22	POST OAK / QUERCUS STELLATA	SPECIMEN	BUILDABLE AREA/UPLAND	PRESERVE	GOOD
1252	24	POST OAK / QUERCUS STELLATA	SPECIMEN	RIGHT OF WAY/UPLAND	REMOVE	GOOD
1311	22	POST OAK / QUERCUS STELLATA	SPECIMEN	BUILDABLE AREA/UPLAND	PRESERVE	GOOD
2388	28	POST OAK / QUERCUS STELLATA	SPECIMEN	BUILDABLE AREA/UPLAND	PRESERVE	GOOD
2391	25	POST OAK / QUERCUS STELLATA	SPECIMEN	BUILDABLE AREA/UPLAND	PRESERVE	GOOD

Wardline Investments, Ltd.
Volume 5052, Page 2668
R.P.R.D.C.T.
(remainder)



MATCH LINE SHEET TE1.01



- TREE LEGEND
- ⊗ PROTECTED TREE TO BE REMOVED
 - ⊙ PROTECTED TREE TO REMAIN
 - ⊙ SPECIMEN TREE TO REMAIN
 - ⊗ SPECIMEN TREE TO BE REMOVED

51 TOTAL SPECIMEN TREES.
42 TO BE PRESERVED.
9 TO BE REMOVED.

THE SPECIMEN TREES OF THE SITE THAT ARE PROPOSED TO BE REMOVED, ARE DONE SO TO FACILITATE THE REASONABLE DEVELOPMENT OF THE PROPERTY BASED ON ECONOMIC AND/OR PRACTICAL CONSIDERATIONS. WITH 50% REQUIRED OPEN SPACE, THE ROADWAYS AND LOTS ARE SITUATED IN THE MOST EFFICIENT MANNER POSSIBLE.

ST. CLAIR DESIGN GROUP, INC.

Landscape Architecture

P.O. Box 12099
Dallas, Texas 75225
T. 214-394-0641

DATE ISSUED: 01-01-16

DESIGN BY: JAB
DRAWN BY: JAB
CHECKED BY: JAB
DATE: DECEMBER 13, 2016
PROJECT NO. 035-018

No.	Date	Revisions	App.

Ridinger

Associates, Inc.

Civil Engineers - Planners

Firm No. 1999
Firm Name
Lane, Suite 101
Lewisville, Texas 75067

Tel. No. (972) 353-8000
Fax No. (972) 353-8011

HILLSIDE OF FLOWER MOUND
RESIDENTIAL SUBDIVISION
FLOWER MOUND, TEXAS

TREE SURVEY SOUTH

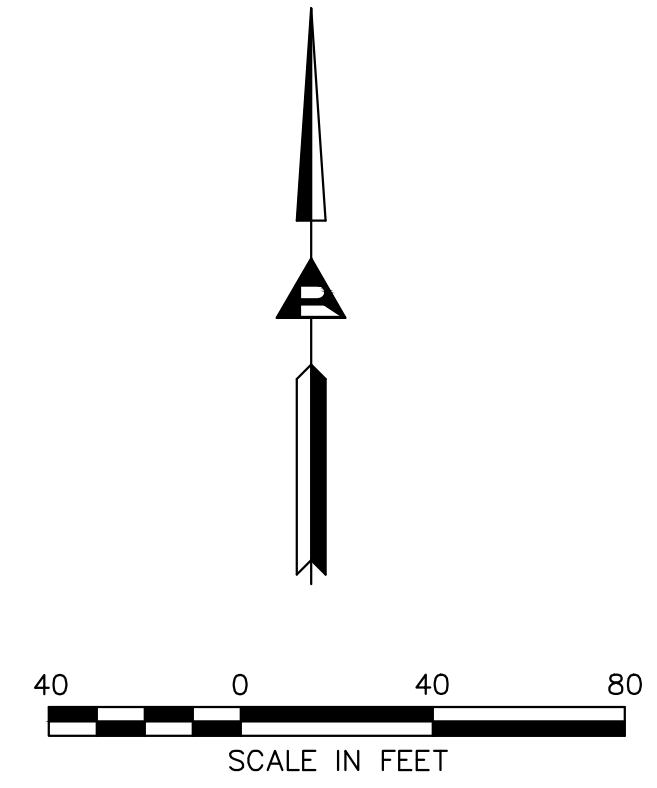
Scale: 1" = 40'
Designed by: LDR
Drawn by: MAB
Checked by: TAL
Date: DECEMBER 13, 2016
Project No. 035-018

MATCH LINE SHEET TE1.03

51 TOTAL SPECIMEN TREES.
42 TO BE PRESERVED.
9 TO BE REMOVED.

THE SPECIMEN TREES OF THE SITE THAT ARE PROPOSED TO BE REMOVED, ARE DONE SO TO FACILITATE THE REASONABLE DEVELOPMENT OF THE PROPERTY BASED ON ECONOMIC AND/OR PRACTICAL CONSIDERATIONS. WITH 50% REQUIRED OPEN SPACE, THE ROADWAYS AND LOTS ARE SITUATED IN THE MOST EFFICIENT MANNER POSSIBLE.

	PROTECTED TREE TO BE REMOVED
	PROTECTED TREE TO REMAIN
	SPECIMEN TREE TO REMAIN
	SPECIMEN TREE TO BE REMOVED



No.	Date	Revisions	App.



Ridinger
Associates, Inc.
Civil Engineers - Planners

Firm No. 0989
 550 S. Edwards Lane, Suite 101
 Lewisville, Texas 75067
 Tel. No. (972) 353-8000
 Fax No. (972) 353-8011

**HILLSIDE OF FLOWER MOUND
RESIDENTIAL SUBDIVISION**
FLOWER MOUND, TEXAS

TREE SURVEY SOUTH (2)

Scale:
Designed by:
Drawn by:
Checked by:
Date: DECEMBER 19, 2019
Project No. C-100-19-001

SHEET

TS-3



ENVIRONMENTAL CONSERVATION COMMISSION AGENDA ITEM NO. 5

WORK SESSION ITEM

DATE: January 3, 2017
FROM: Matthew Woods, Director of Environmental Services
ITEM: Discuss the sustainability initiatives and provide updates.

BACKGROUND INFORMATION: This work session item provides the ECC the opportunity to continue the discussion of the sustainability initiatives, review any updates, and develop a summary for the February joint work session with Town Council. Staff will provide the Commission with the current status of the following prioritized list of initiatives.

1. **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.** 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.*

2. **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 of multi-family recycling options 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.*

3. **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.*

4. **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 could also be a component of this initiative. The ECC has also considered establishing an arboretum in the future as part of the Town's educational initiatives related to trees, as well as updating the acorns to oaks program to potentially utilize post oak seedlings instead of acorns.

*Status: **Ongoing.** Multiple tree education classes have been conducted in 2016. 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. Staff is also pursuing opportunities to increase involvement in the Stream Team program.*

5. **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 recently 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 will be recommended for the new Town Hall project and other new Town facilities.*

6. **Establish a program to manage small natural areas for preservation** – This initiative may help address smaller parcels of land that have unique environmental features or habitat but do not meet the criteria necessary for preservation by a third party land trust. There have been development projects with smaller areas of upland habitat, ponds, and/or open space that were too small in size to be included as part of a conservation easement. This initiative would require the Town to either establish a mechanism to accept and manage these smaller tracts during the development process or work directly with a not-for-profit organization capable of managing small tracts of land.

*Status: **Under Review.** This initiative needs to be reviewed to determine if it's still a priority due to recent interest from an additional third party/conservancy to address habitat preservation and the Cluster Development option for residential projects in the Cross Timbers Conservation Development District. Mitigation Futures is scheduled to present land conservation information to the Commission.*

7. **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.*

8. **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 early 2017 to analyze new 2016 aerial data.*

The Town Council requested that the ECC provide an update on the sustainability initiatives at the joint work session scheduled for February 17, 2017.

ALTERNATIVES/OPTIONS:

N/A

ATTACHMENTS:

1. ECC Sustainability Initiatives 2016 - 2017

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

ECC Sustainability Initiatives 2016 - 2017			
Priority Rank	Initiative	Performance Measure	Notes
1	Conduct a review of the Tree Ordinance mitigation requirements (A comprehensive review of the Tree Ordinance was added to this initiative in 2015)	☑ Mitigation Exception	Completed mitigation exception review.
		☑ Tree Ordinance Review	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.
2	Evaluate options to enhance Town-wide recycling; including LISD and multifamily options	🔄 Town-wide Recycling	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	
3	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.
4	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.
5	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.
6	Establish a program to manage small natural areas for preservation	🏠 Conduct research on 501c3 options	This initiative needs to be reviewed to determine if it's still a priority due to recent interest from an additional third party/conservancy to address habitat preservation and the Cluster Development option for residential projects in the Cross Timbers Conservation Development District.
7	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.
8	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.

☑ Completed Initiatives
🔄 Ongoing Initiatives
🏠 Town/Departmental Ongoing