

Environmental Conservation Commission



August 1, 2023
Town Hall
2121 Cross Timbers Road
Flower Mound, TX 75028

6:30 p.m.

AGENDA

A. CALL TO ORDER

B. INVOCATION

C. PLEDGE OF ALLEGIANCE TO THE AMERICAN FLAG

D. PUBLIC COMMENT

The purpose of this item is to allow the public an opportunity to address the Board/Commission regarding any item on this agenda that is not a "Public Hearing." Issues regarding daily operational or administrative matters should first be dealt with by calling Town Hall at 972- 874-6000 during business hours. To speak to the Board/Commission during public comment, please fill out a comment form, which is located in the lobby of Town Hall.

In accordance with the Texas Open Meetings Act, the Board/Commission is restricted from discussing or acting on items not listed on the agenda.

- Speakers are limited to 3 minutes; a tone will sound at 30 seconds left and when time has expired, and times may be adjusted by the Chair depending on the number of speakers.
- Speakers must address their comments to the Board/Commission.
- Please state your name and address when speaking.

E. STAFF/DIRECTOR REPORT

F. CONSENT ITEM(S)

This part of the agenda consists of non-controversial, or "housekeeping" items required by law. Items may be removed from Consent by any Commissioner by making such request prior to a motion and vote.

1. Minutes Approval - Consider approval of the minutes from the regular meeting of the Environmental Conservation Commission on May 2, 2023

G. REGULAR ITEM(S)

1. TRP23-0008 - Montalcino Phase III - Consider an application for a tree removal permit (TRP23-0008) for seven (7) specimen trees on property proposed for development as Montalcino Phase III. The property is generally located north of Cross Timbers Road and east of Montalcino Boulevard.

H. SUBCOMMITTEE REPORT

I. COORDINATION OF FUTURE AGENDAS/MEETINGS

J. ADJOURN

I do hereby certify that the Notice of Meeting was posted on the bulletin board at the Town Hall for the Town of Flower Mound, Texas, in a place convenient and readily accessible to the general public at all times and said Notice was also posted on the Town's website in accordance with GC Section 551.056 on the following date and time: July 28, 2023, at 3:10 p.m., at least 72 hours prior to the scheduled time of said meeting.

Hannah Perez, Administrative Assistant

The Flower Mound Town Hall and Jody Smith Hall are wheelchair accessible. Requests for accommodation or interpretive services must be made 48 hours prior to this meeting by contacting Town Hall at 972.874.6000. Additional time limits will be provided for members of the public that need to address the Town Council through a translator.

Environmental Conservation Commission



May 2, 2023
Town Hall
2121 Cross Timbers Road
Flower Mound, TX 75028

6:30 p.m.

DRAFT MINUTES

A. CALL TO ORDER

The Environmental Conservation Commission met in a regular meeting with the following members present:

Marilyn Lawson, Chair, Place 4
Deanna Soper, Vice Chair, Place 7
Rich Murcheck, Place 1
James Seastrom, Place 2
Karyn Walsh, Place 3
Alton Bowman, Place 5
Annaprabha Athappan, Place 6
Emily Strittmatter, Place 8
Juli Greenberg, Place 9
Andra Schwenk, Place 10

with the following member(s) absent:

constituting a quorum with the following members of the Town Staff participating:

Matthew Woods, Director of Environmental Services
Jimmy Hoefert, Environmental Review Analyst
Joe Whiteley, Environmental Review Analyst
Tyler Leverenz, Environmental, Programs Coordinator
Hannah Perez, Administrative Assistant

B. INVOCATION

Commission Member James Seastrom gave the invocation and led the pledges.

C. PLEDGE OF ALLEGIANCE TO THE AMERICAN FLAG

D. PUBLIC COMMENT

The purpose of this item is to allow the public an opportunity to address the Board/Commission regarding any item on this agenda that is not a "Public Hearing." Issues regarding daily operational or administrative matters should first be dealt with by calling Town Hall at 972- 874-6000 during business hours. To speak to the Board/Commission during public comment, please fill out a comment form, which is located in the lobby of Town Hall.

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- Speakers must address their comments to the Board/Commission.
- Please state your name and address when speaking.

E. STAFF/DIRECTOR REPORT

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

F. CONSENT ITEM(S)

This part of the agenda consists of non-controversial, or “housekeeping” items required by law. Items may be removed from Consent by any Commissioner by making such request prior to a motion and vote.

1. Minutes Approval - Consider approval of the minutes from the regular meeting of the Environmental Conservation Commission on April 4, 2023

ACTION: Commission Member Jeams Seastrom moved to approve item F.1. as presented in the agenda caption. Commission Member Karyn Walsh seconded the motion.

AYES: Alton Bowman, Annaprabha Athappan, Deanna Soper-Pinkelman, James Seastrom, Karyn Walsh, Rich Murchek

NAYS: None

ABSTAIN: None

RESULT: 6 : 0

G. WORK SESSION

1. Conduct a review of the Environmental Conservation Commission initiatives and priorities for discussion at the May 18, 2023, joint work session with Town Council.

Presentation

The Environmental Services staff gave a presentation with the following items provided by the ECC. ECC members discussed and the Environmental staff answered questions:

- May 18 WS
- Discussion Topics
- Mixed Use Projects
- Prairie Habitat

- Recycling
- Acorns to Oaks

Key Points Discussed During the Presentation

1. May 18 work session details and preparation for the work session.
2. Discussed and determined further review for the Smart Growth Plan for prairie habitat.
3. Recycling events, green waste and composting ideas and tips.

H. SUBCOMMITTEE REPORT

Receive updates and status reports related to subcommittee activities and establish subcommittees as necessary.

I. COORDINATION OF FUTURE AGENDAS/MEETINGS

J. ADJOURN

Chair Lawson adjourned the meeting at 8:12 p.m. on May 2 and all were in favor.



ENVIRONMENTAL CONSERVATION COMMISSION AGENDA G.1. REGULAR ITEM(S)

DATE: August 1, 2023

FROM: James Hoefert, Environmental Review Analyst

ITEM: **Consider an application for a tree removal permit (TRP23-0008) for seven (7) specimen trees on property proposed for development as Montalcino Phase III. The property is generally located north of Cross Timbers Road and east of Montalcino Boulevard.**

BACKGROUND: The Montalcino Phase III development consists of approximately 72.766 acres and is generally located north of Cross Timbers Road and east of Montalcino Boulevard. The proposed site for new residential development is currently zoned for Interim Holding uses and designated as Cross Timbers Conservation Development District within the Town's Master Plan. The current phase consisting of 72.766 acres and future phase are being rezoned to Planned Development District No. 198 (PD-198) with Agricultural (A) uses for a conservation development in compliance with the approved development plan. According to the tree survey for the project, the site has fifty-four (54) specimen trees. The applicant is requesting to remove seven (7) of the specimen trees. The specimen trees proposed for removal are in good condition and located within the proposed buildable area.

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

Tree #1132 – 36" post oak;
Tree #1133 – 24" post oak;
Tree #1144 – 24" post oak;
Tree #1153 – 22" post oak;
Tree #1196 – 22" post oak;
Tree #1566 – 25" post oak;
Tree #1572 – 22" 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. Based on their size, 350" of replacement trees, equaling 117 three-inch caliper trees, will be required for the seven (7) specimen trees being requested for removal on this site. In addition, protected trees removed will also require replacement at a tree-for-tree rate. The developer is proposing to preserve existing protected and specimen trees on the site, so there will be credits available for the preservation of those trees. Mitigation may be accomplished by paying the applicable fee, planting mitigation trees, or through a combination of planting trees and paying the required fee.

BOARD REVIEW/CITIZEN FEEDBACK: As of July 27, 2023, staff has not received feedback related to this item.

ALTERNATIVES: 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. Photographs of tree removal request signage
5. Tree Survey

DRAFT MOTION: Move to recommend approval or denial of the requested permit for seven (7) specimen trees on property proposed for development as Montalcino Phase III. The property is generally located north of Cross Timbers Road and east of Montalcino Boulevard.

July 18, 2023

Jimmy Hoefert, Environmental Review Analyst
Town of Flower Mound
Environmental Services Division
2121 Cross Timbers Road
Flower Mound, Texas 75028

Reference: Tree Removal Permit Application
72.766 Acres in Montalcino Estates Phase III
Montalcino Blvd
Town of Flower Mound
Denton County, Texas

Dear Mr. Hoefert,

On behalf of the home builder on the aforementioned property, we are requesting that (7) specimen tree (as outlined in the attached specimen tree survey), as defined in the TOFM Tree Preservation Code, be removed. The trees are being requested to be removed due to site and design conditions, which thereby mean the subject property cannot reasonably be developed without removal of the trees included in the permit application.

TREE TABULATIONS FROM THE SPECIMEN TREE SURVEY

Total specimen trees	54 trees
Total specimen trees to be removed	7 trees

Due to preexisting conditions, Town of Flower Mound Engineering Standards, and site conditions, the specimen trees are 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 #1132 | 36" Post Oak |
| 2. Tree #1133 | 24" Post Oak |
| 3. Tree #1144 | 24" Post Oak |
| 4. Tree #1153 | 22" Post Oak |
| 5. Tree #1196 | 22" Post Oak |
| 6. Tree #1566 | 25" Post Oak |
| 7. Tree #1572 | 22" Post Oak |

These trees are being removed due to site constraints.

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

Sincerely,



Verity Burk RLA
Landscape Architect, TX #3438



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:

Verity Burk

Address:

111 Hillside Drive
Lewisville, TX 75077

Phone:

972-436-9712

Applicant's Legal Interest in the Property:

Landscape Architect for Centurion American

2. Property Owner(s)

Name(s): Mehrdad Moayedi, CTMGT Montalcino, LLC

Address:

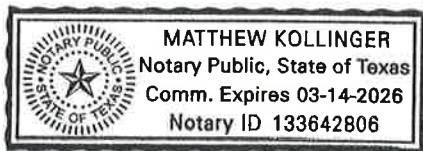
3. Location and Legal Description of Property:

72.766 Acres located in the Jesse Gibson Survey, Abstract No. 479, T. & P. R.R. Co Survey, Abstract No. 1303, A.M. Feltus Survey, Abstract No. 1595

4. Owner's Authorization of Representation

I, Mehrdad Moayedi, the owner of the above described real property, do hereby authorize _____ 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.

Mehrdad Moayedi
Signature of Owner



Given Under My Hand and Seal of Office
This the 28 Day of April, 2023
[Signature]
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 Verity Burk, 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.

Verity Burk
Signature of Applicant

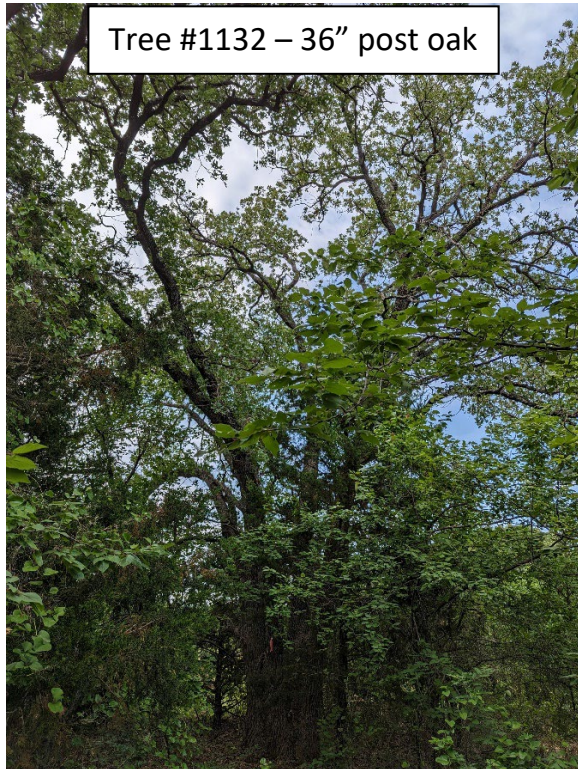
Landscape Architect License No. 3438
State of Licensure Texas
Or ISA Certified Arborist No. _____
Or Certified Forester No. _____

Given Under My Hand and Seal of Office
This the ____ Day of _____, 20____

Notary Public
In and For _____ County, Texas

6. Received by Town of Flower Mound on (Date) 4/28/2023 by
(initials) JRH.

Montalcino Phase III -
Specimen trees proposed for removal



Tree #1132 – 36" post oak



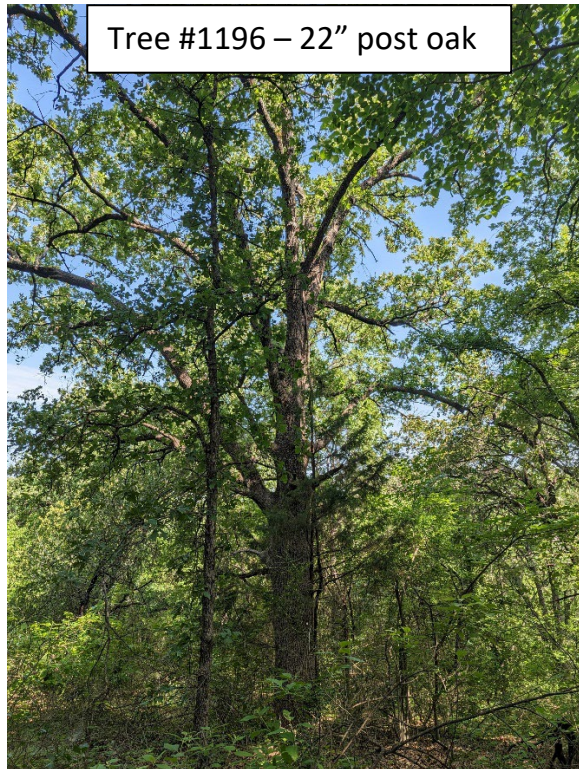
Tree #1133 – 24" post oak



Tree #1144 – 24" post oak



Tree #1153 – 22" post oak



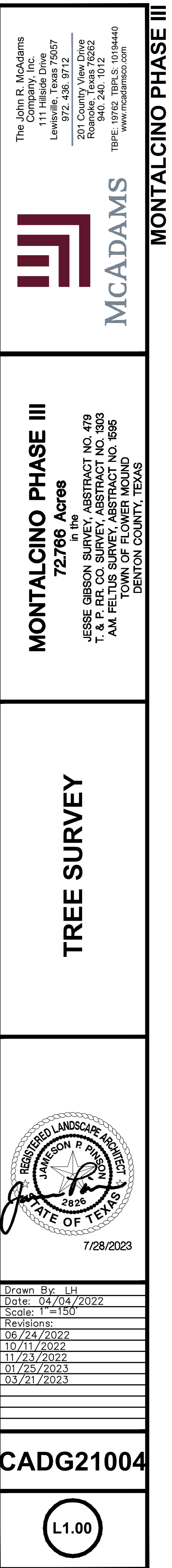
Tree Removal Request Signage

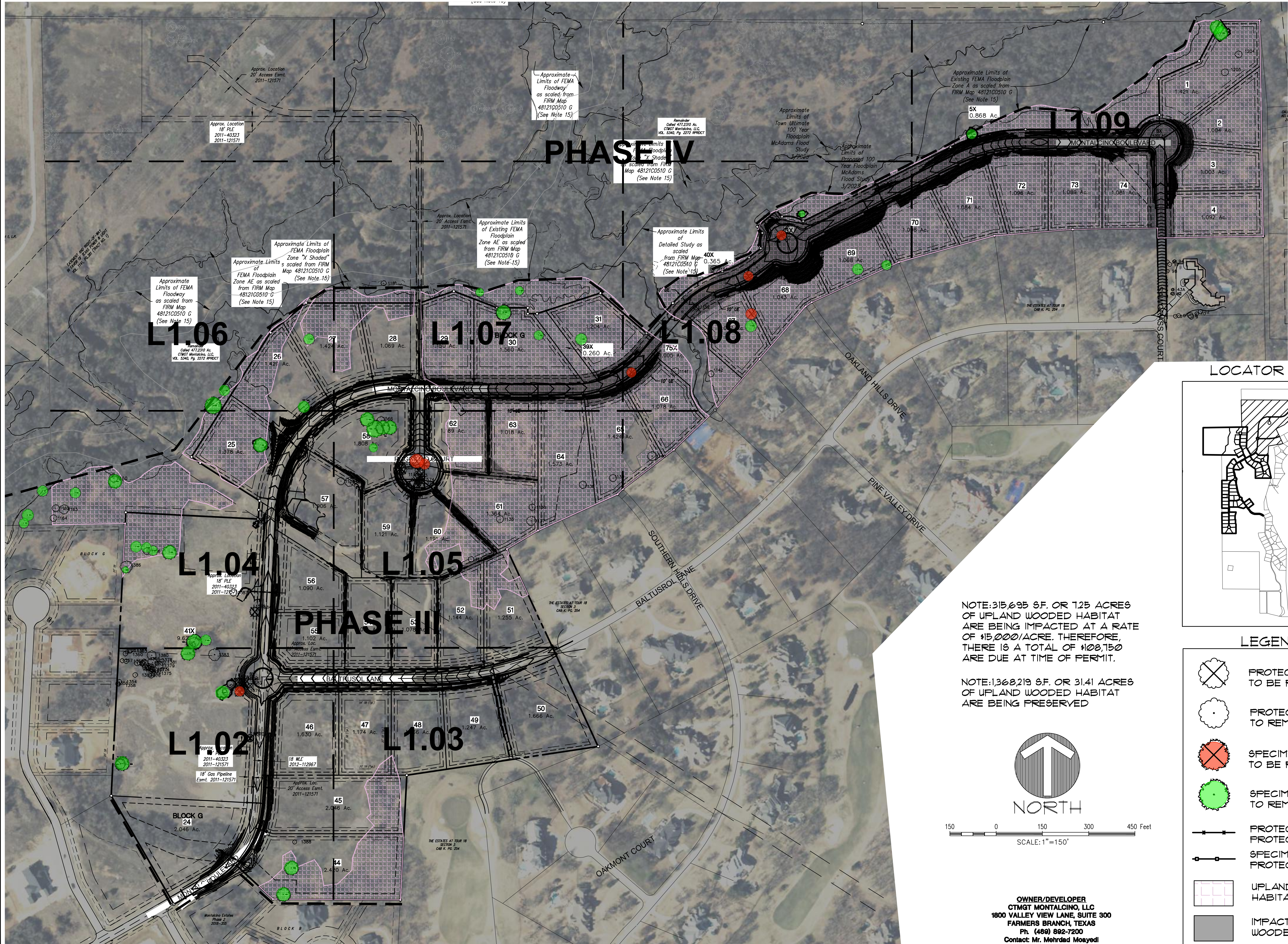
Along Montalcino Blvd.



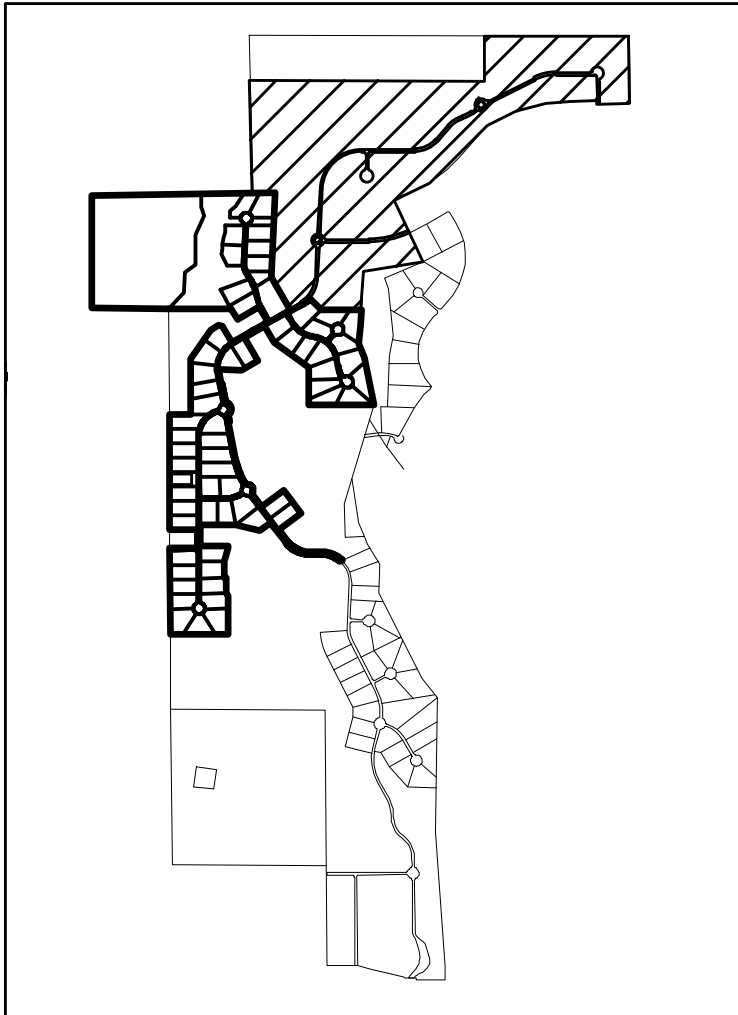
Along Sawgrass Ct. (in Tour 18 subdivision)







LOCATOR MAP

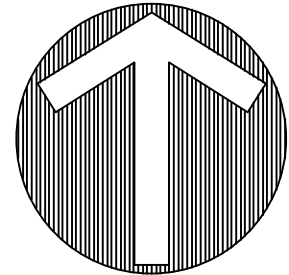


LEGEND

- PROTECTED TREE TO BE REMOVED
- PROTECTED TREE TO REMAIN
- SPECIMEN TREE TO BE REMOVED
- SPECIMEN TREE TO REMAIN
- PROTECTED TREE PROTECTION FENCING
- SPECIMEN TREE PROTECTION FENCING
- UPLAND WOODED HABITAT
- IMPACTED UPLAND WOODED HABITAT

NOTE: 315,695 S.F. OR 7.25 ACRES OF UPLAND WOODED HABITAT ARE BEING IMPACTED AT A RATE OF \$15,000/ACRE. THEREFORE, THERE IS A TOTAL OF \$108,750 ARE DUE AT TIME OF PERMIT.

NOTE: 1368,219 S.F. OR 31.41 ACRES OF UPLAND WOODED HABITAT ARE BEING PRESERVED



NORTH

150 0 150 300 450 Feet
SCALE: 1"=150'

OWNER/DEVELOPER
CTMGT MONTALCINO, LLC
1800 VALLEY VIEW LANE, SUITE 300
FARMERS BRANCH, TEXAS
Ph. (469) 892-7200
Contact: Mr. Mehrdad Moayed

The John B. McAdams
Company, Inc.
111 Hillside Drive
Lewisville, Texas 75057
972.436.9712
201 County View Drive
Reynolds, Texas 76282
940.240.1012
TBP#: 19762 TBP#: 1018440
www.mcadamsco.com



MONTALCINO PHASE III
in the
72,766 Acres
JESSE GIBSON SURVEY, ABSTRACT NO. 479
T. & P. R.F. CO. SURVEY, ABSTRACT NO. 1303
AM. FELTUS SURVEY, ABSTRACT NO. 1956
TOWN OF FLOWER MOUND
DENTON COUNTY, TEXAS

TREE SURVEY



7/28/2023

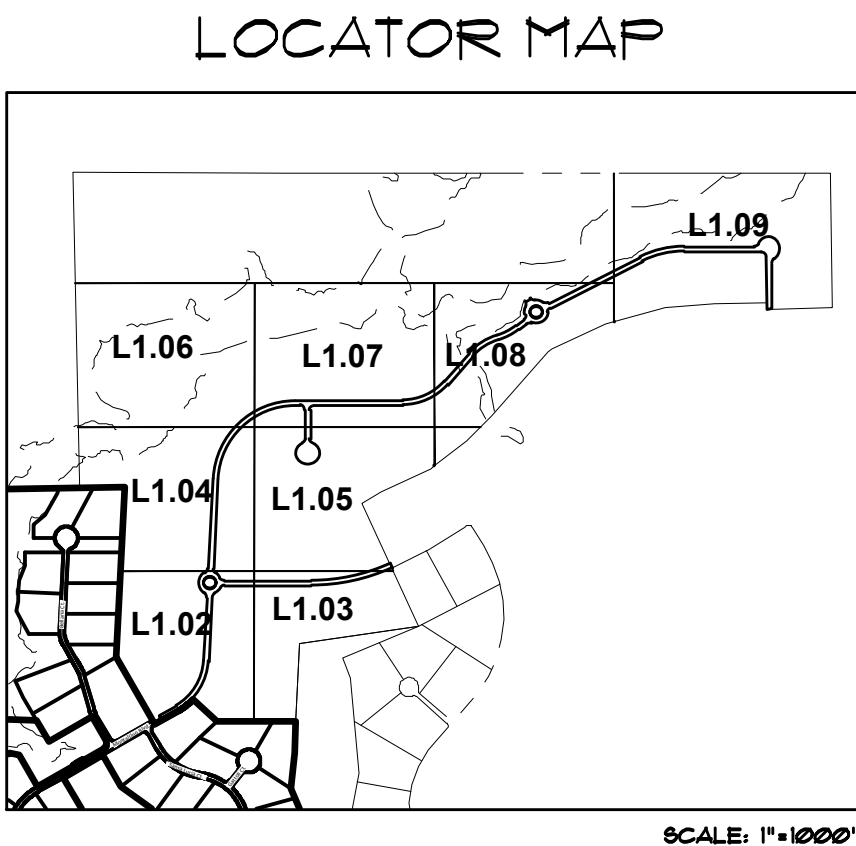
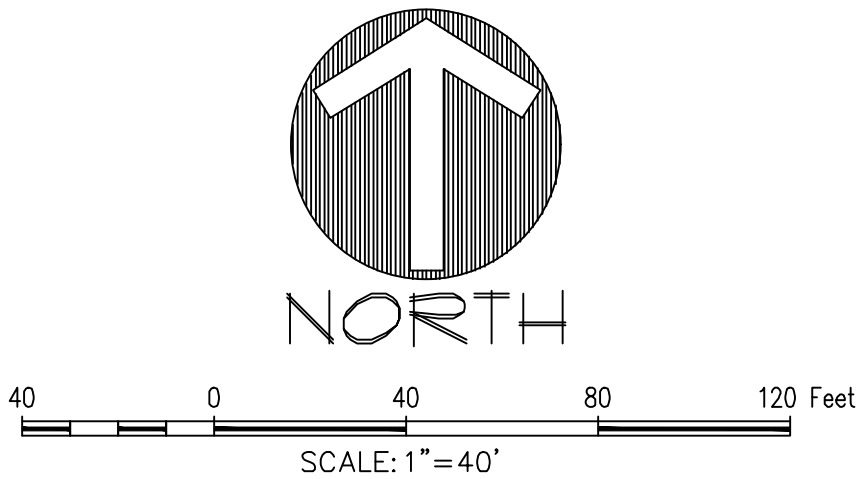
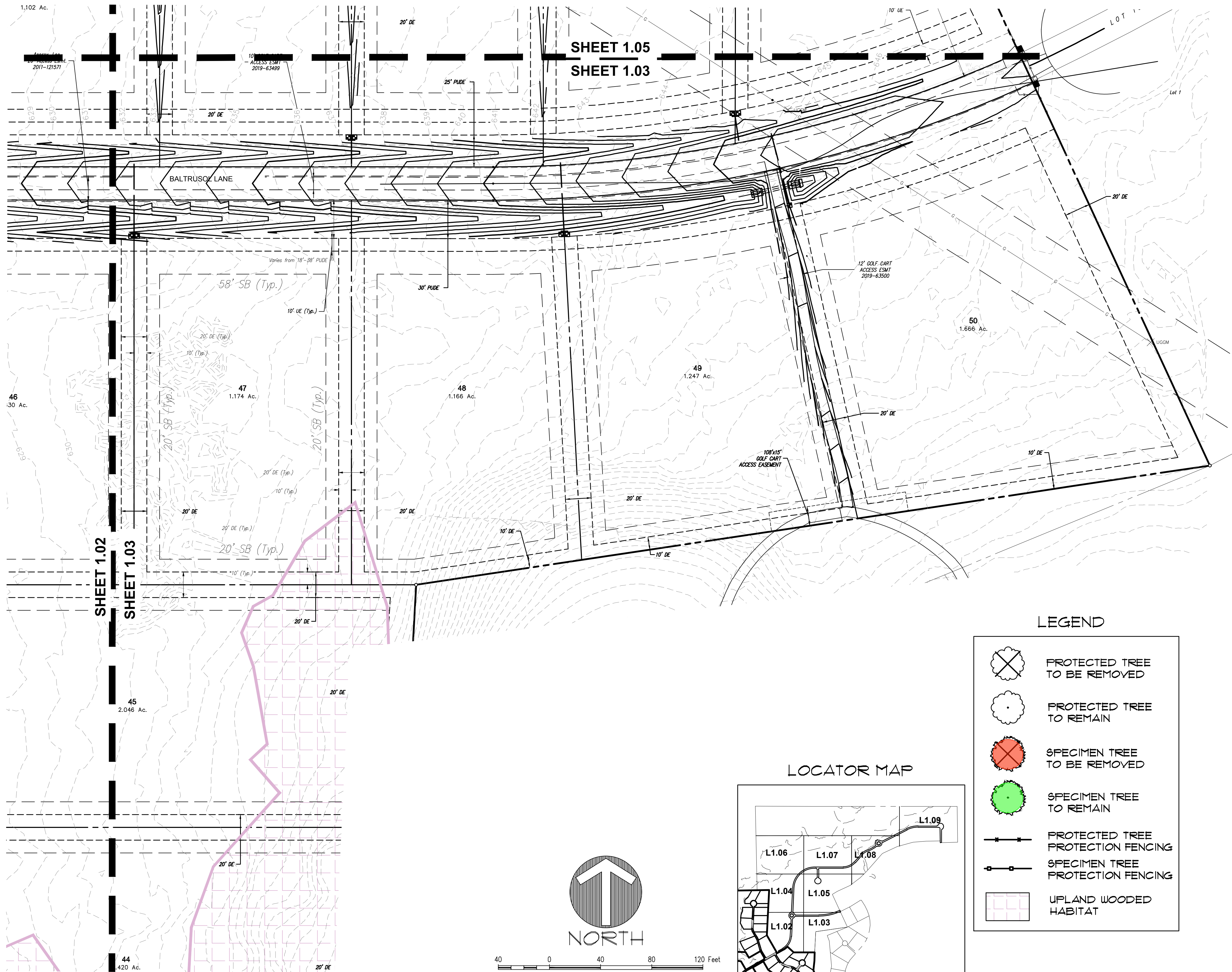
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01/25/2023
03/21/2023

CADG21004

L1.01

MONTALCINO PHASE III

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LEGEND	
	PROTECTED TREE TO BE REMOVED
	PROTECTED TREE TO REMAIN
	SPECIMEN TREE TO BE REMOVED
	SPECIMEN TREE TO REMAIN
	PROTECTED TREE PROTECTION FENCING
	SPECIMEN TREE PROTECTION FENCING
	UPLAND WOODED HABITAT

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MONTALCINO PHASE III
72,766 Acres
in the
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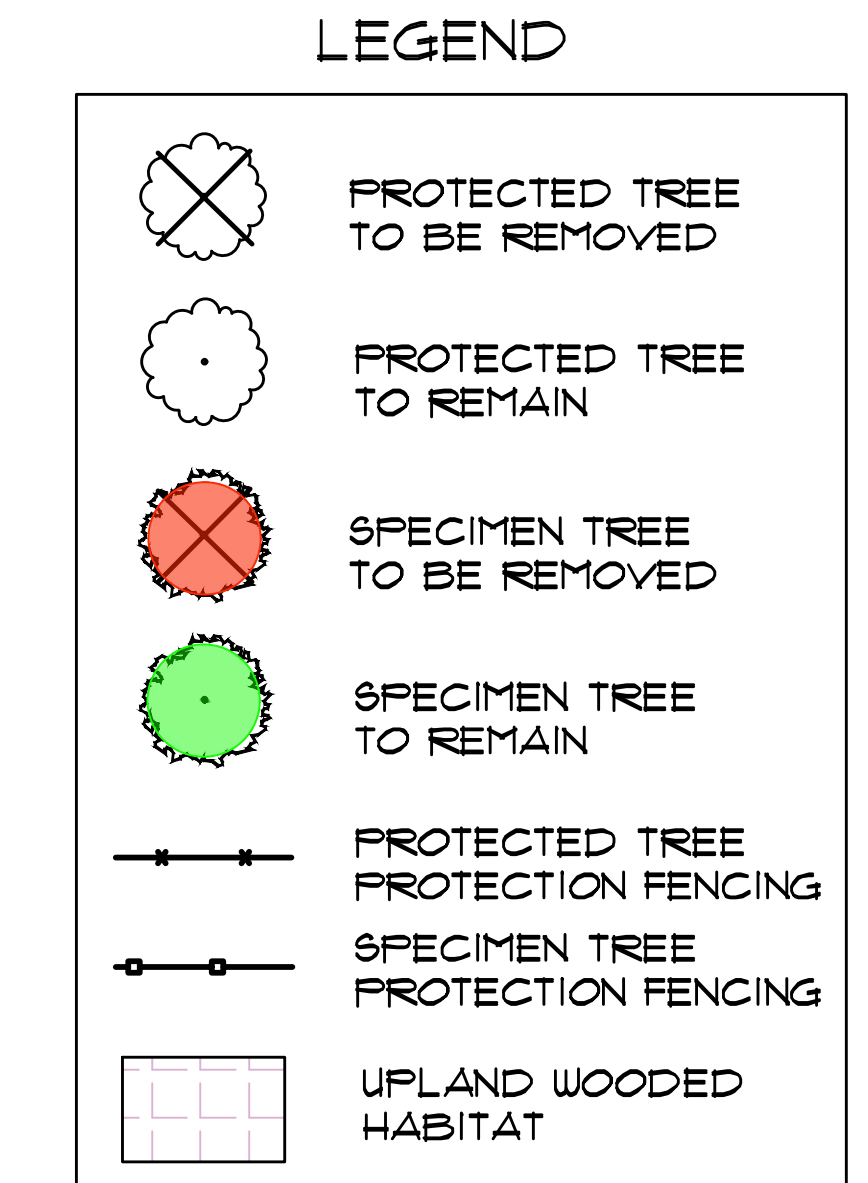
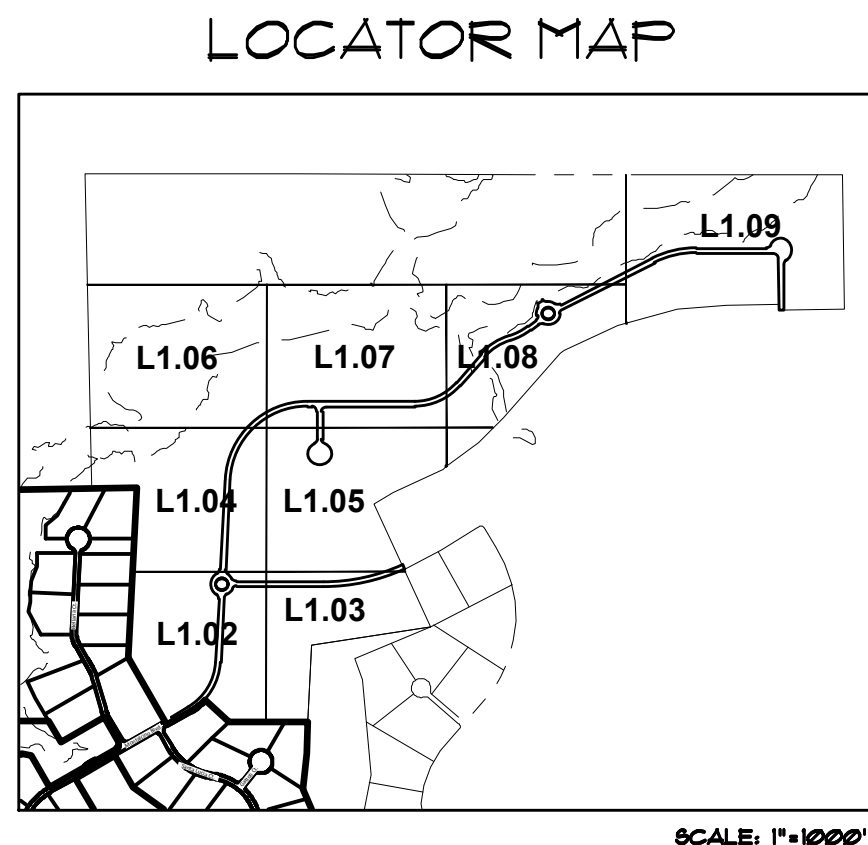
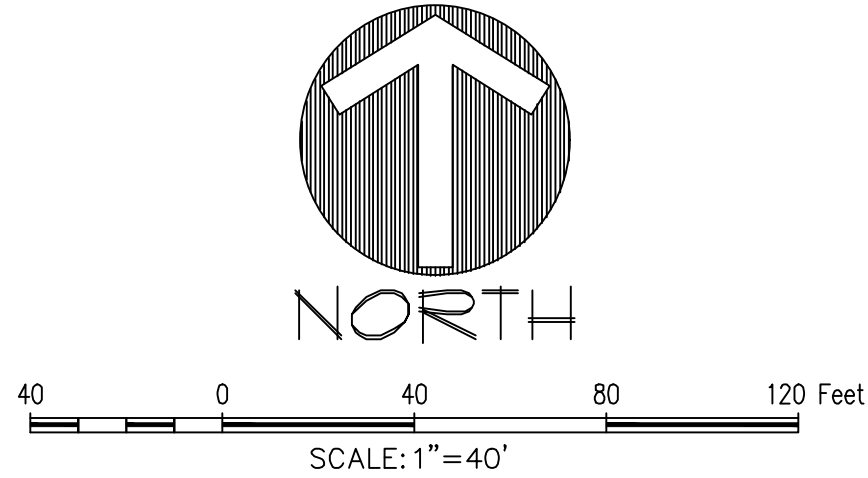
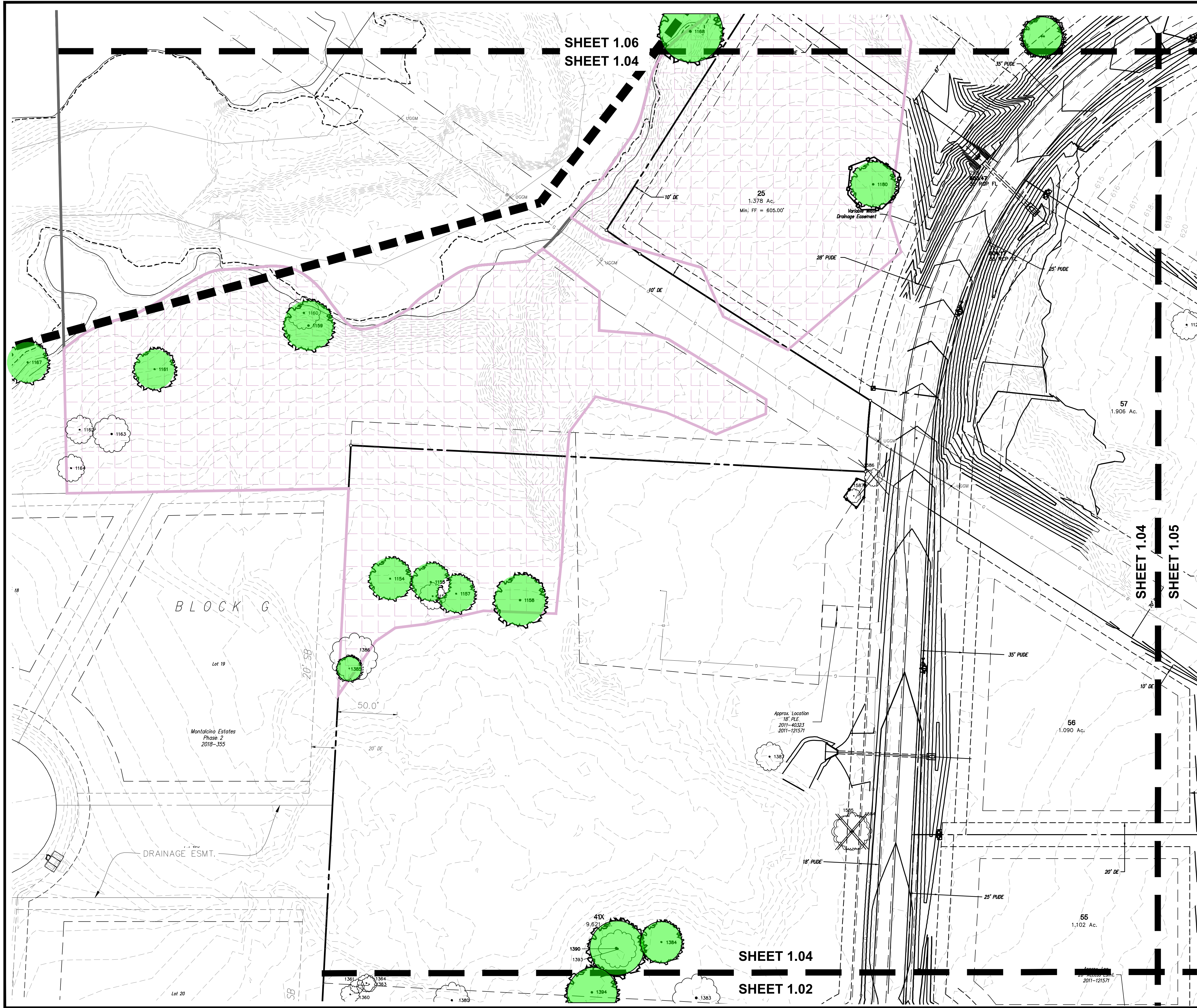
TREE SURVEY

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11/23/2022
01/25/2023
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CADG21004

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TREE SURVEY



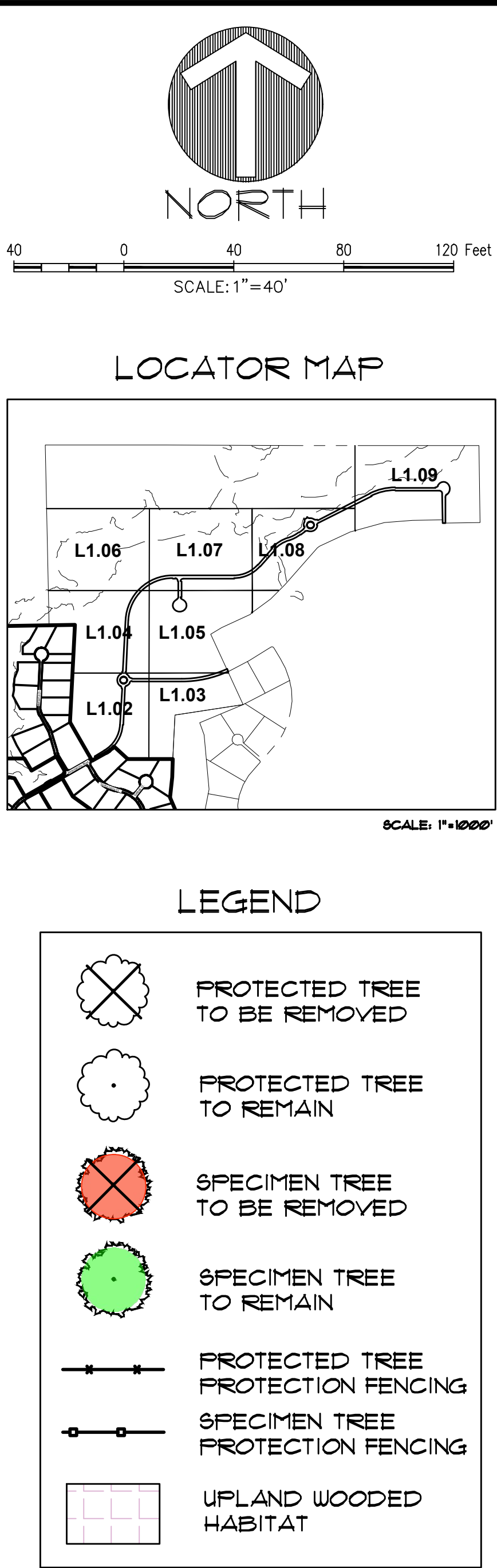
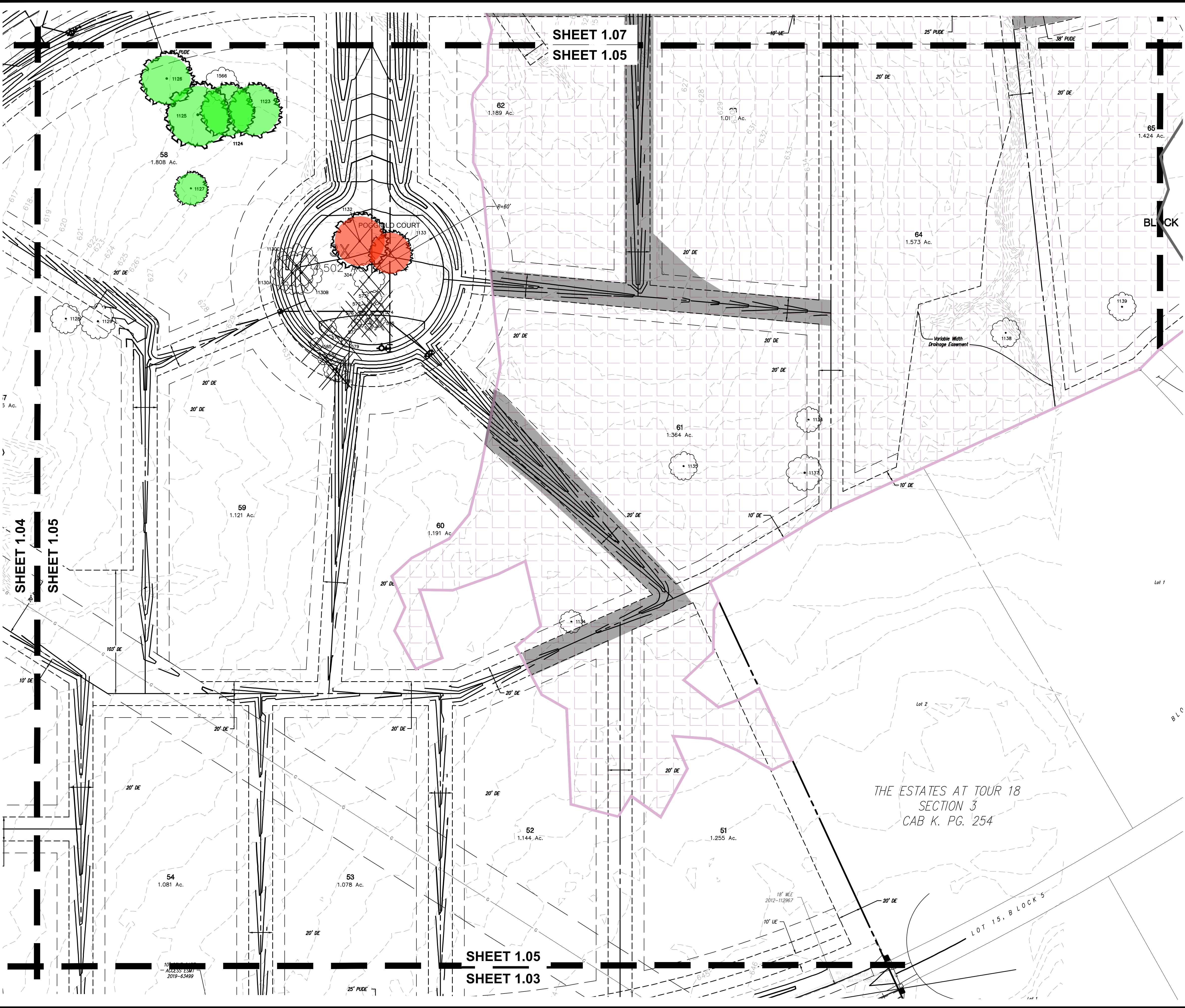
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03/21/2023

CADG21004

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MONTALCINO PHASE III

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CADG21004

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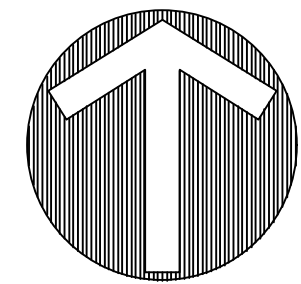
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MONTALCINO PHASE III

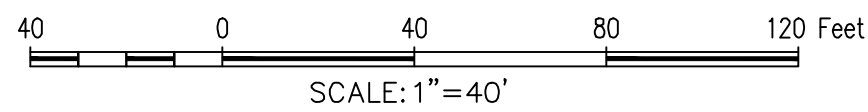
EASEMENT AND RIGHT-OF-WAY
IN FAVOR OF TEXAS POWER & LIGHT
VOL. 1141, PG.381 (TRACT NO. 1)

Remainder
Called 477.2310 Ac.
CTMG T Montalcino, LLC,
VOL. 5340, Pg. 2272 RPRDCT

SHEET 1.06
SHEET 1.04

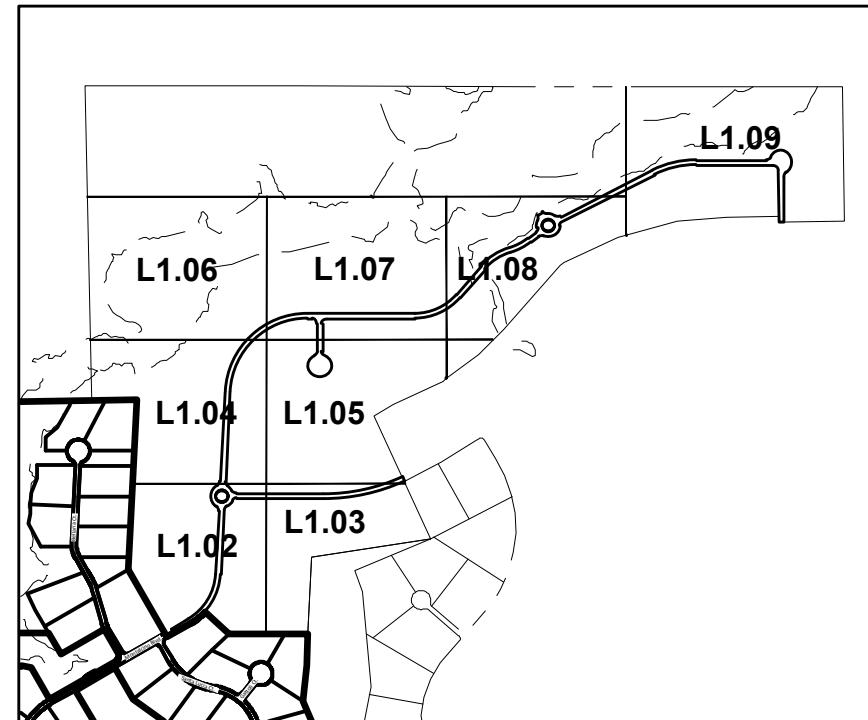


NORTH



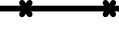
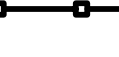
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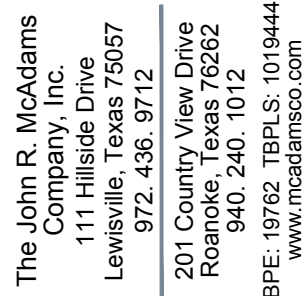
LOCATOR MAP



SCALE: 1"=1000'

LEGEND

- | | |
|---|--------------------------------------|
|  | PROTECTED TREE
TO BE REMOVED |
|  | PROTECTED TREE
TO REMAIN |
|  | SPECIMEN TREE
TO BE REMOVED |
|  | SPECIMEN TREE
TO REMAIN |
|  | PROTECTED TREE
PROTECTION FENCING |
|  | SPECIMEN TREE
PROTECTION FENCING |
|  | UPLAND WOODED
HABITAT |



MONTALCINO PHASE III

72.766 Acres

in the
JESSE GIBSON SURVEY, ABSTRACT NO. 479
& P. RR. CO. SURVEY, ABSTRACT NO. 1303
A.M. FELTUS SURVEY, ABSTRACT NO. 1595
TOWN OF FLOWER MOUND
DENTON COUNTY, TEXAS

TREE SURVEY



7/28/2023

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11/23/2022
01/25/2023
03/21/2023

CADG21004

L1.06

OWNER/DEVELOPER
CTMGT MONTALCINO, LLC
1800 VALLEY VIEW LANE, SUITE 300
FARMERS BRANCH, TEXAS
Ph. (469) 892-7200
Contact: Mr. Mehrdad Moayed

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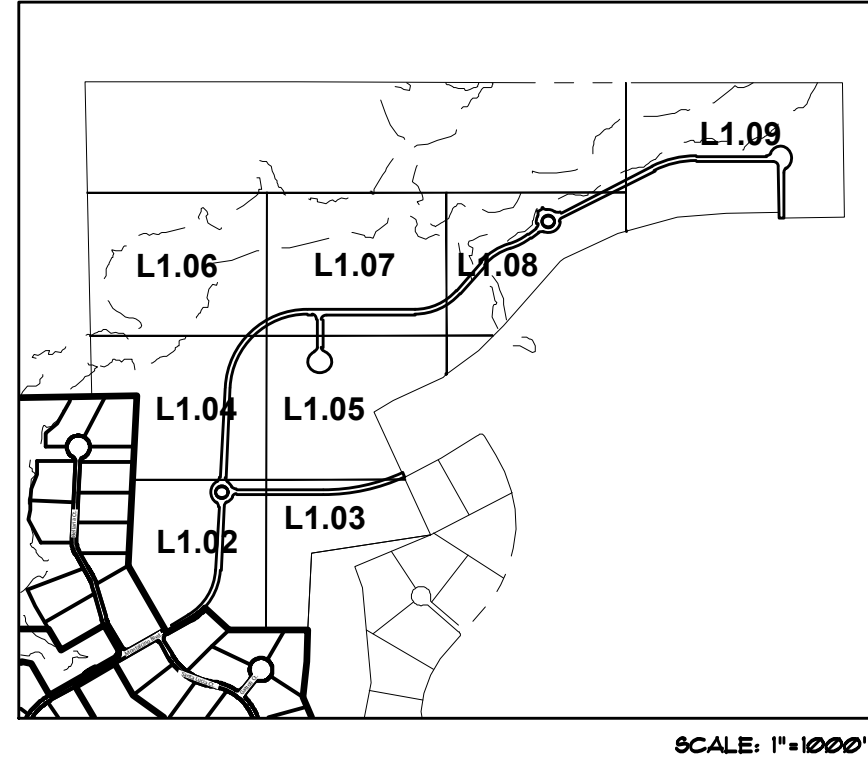
SHEET 1.07

SHEET 1.07
SHEET 1.05



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

LOCATOR MAP



LEGEND

- PROTECTED TREE TO BE REMOVED
- PROTECTED TREE TO REMAIN
- SPECIMEN TREE TO BE REMOVED
- SPECIMEN TREE TO REMAIN
- PROTECTED TREE PROTECTION FENCING
- SPECIMEN TREE PROTECTION FENCING
- UPLAND WOODED HABITAT

The John B. McAdams
Company Inc.
111 Hillside Drive
Lewisville, Texas 75057
972.436.9712
201 County View Drive
Roanoke, Texas 76262
940.240.1012
TBP#: 19762 TBP L.S. 1018440
www.mcadamsco.com



MONTALCINO PHASE III
72,766 Acres
in the
JESSE GIBSON SURVEY, ABSTRACT NO. 479
T. & P. R.F. CO. SURVEY, ABSTRACT NO. 1303
A.M. FELTUS SURVEY, ABSTRACT NO. 1956
TOWN OF FLOWER MOUND
DENTON COUNTY, TEXAS

TREE SURVEY



Drawn By: LH
Date: 04/04/2022
Scale: 1"=40'
Revisions:
06/24/2022
10/11/2022
11/23/2022
01/25/2023
03/21/2023

CADG21004

L1.07

OWNER/DEVELOPER
CTMGT MONTALCINO, LLC
1800 VALLEY VIEW LANE, SUITE 300
FARMERS BRANCH, TEXAS
Ph. (469) 892-7200
Contact: Mr. Mehrdad Moayed

File: M:\Projects\CADG21004\CADG21004-04-Production\Drawings\SET\SS\040700A.TB1
Plotted: 7/28/2023 2:23 PM by: Nery Barki Source: 7/28/2023 2:23 PM

LIST #	TAG #	CALIPER (")	COMMON NAME	BOTANICAL NAME	SPECIMEN	REMOVED	REMARKS	HEALTH	UWH	DEBIT	CREDIT
1	304	18	POST OAK	Quercus stellata	NO	YES			NO	3	
2	572	6	BLACKJACK OAK	Quercus marilandica	NO	YES			NO	3	
3	573	8	BLACKJACK OAK	Quercus marilandica	NO	YES			NO	3	
4	574	8	BLACKJACK OAK	Quercus marilandica	NO	YES			NO	3	
5	575	9	BLACKJACK OAK	Quercus marilandica	NO	YES			NO	3	
6	576	7	BLACKJACK OAK	Quercus marilandica	NO	YES			NO	3	
7	577	6	BLACKJACK OAK	Quercus marilandica	NO	YES			NO	3	
8	578	9	BLACKJACK OAK	Quercus marilandica	NO	YES			NO	3	
9	579	6	POST OAK	Quercus stellata	NO	YES			NO	3	
10	580	12	POST OAK	Quercus stellata	NO	YES			NO	3	
11	581	11	POST OAK	Quercus stellata	NO	YES			NO	3	
12	582	6	CEDAR ELM	Ulmus Crassifolia	NO	YES			NO	3	
13	585	7	BLACKJACK OAK	Quercus marilandica	NO	YES			NO	3	
14	1123	29	POST OAK	Quercus stellata	YES		MEASURED AT 18"		YES		
15	1124	32	POST OAK	Quercus stellata	YES		MEASURED AT 18"		YES		
16	1125	27	POST OAK	Quercus stellata	YES		MEASURED AT 12"		YES		
17	1126	28	POST OAK	Quercus stellata	YES		MEASURED AT 18"		YES		
18	1127	28	POST OAK	Quercus stellata	YES		MEASURED AT 18"		YES		
19	1130A	13	POST OAK	Quercus stellata	NO	YES	SPLIT AT 24"		NO	3	
20	1130B	12	POST OAK	Quercus stellata	NO	YES	SPLIT AT 24"		NO	3	
21	1130C	11	POST OAK	Quercus stellata	NO	YES	SPLIT AT 24"		NO	3	
22	1132	36	POST OAK	Quercus stellata	YES	YES	MEASURED AT 24"		NO	72	
23	1133	24	POST OAK	Quercus stellata	YES	YES			NO	48	
24	1143	26	POST OAK	Quercus stellata	YES				YES		
25	1144	24	POST OAK	Quercus stellata	YES	YES			YES		
26	1145	23	POST OAK	Quercus stellata	YES				YES		
27	1146	24	BLACKJACK OAK	Quercus marilandica	YES				YES		
28	1148	22	POST OAK	Quercus stellata	YES				YES		
29	1149	24	POST OAK	Quercus stellata	YES				YES		
30	1150	22	CEDAR ELM	Ulmus Crassifolia	YES				YES		
31	1153	22	POST OAK	Quercus stellata	YES	YES			YES		
32	1154	24	POST OAK	Quercus stellata	YES				YES		
33	1155	22	POST OAK	Quercus stellata	YES				YES		
34	1157	22	POST OAK	Quercus stellata	YES				YES		
35	1158	31	POST OAK	Quercus stellata	YES				YES		
36	1159	28	POST OAK	Quercus stellata	YES				YES		
37	1161	24	CEDAR ELM	Ulmus Crassifolia	YES				YES		
38	1165	22	POST OAK	Quercus stellata	YES				YES		
39	1166	25	POST OAK	Quercus stellata	YES				YES		
40	1167	25	POST OAK	Quercus stellata	YES				YES		
41	1168	36	POST OAK	Quercus stellata	YES				YES		
42	1170	22	POST OAK	Quercus stellata	YES				YES		
43	1174	19	CEDAR ELM	Ulmus Crassifolia	YES				YES		
44	1177	22	CEDAR ELM	Ulmus Crassifolia	YES				YES		
45	1178	22	BLACKJACK OAK	Quercus marilandica	YES				YES		
46	1179	24	POST OAK	Quercus stellata	YES				YES		
47	1180	26	POST OAK	Quercus stellata	YES				YES		
48	1191	22	POST OAK	Quercus stellata	YES				YES		
49	1196	22	POST OAK	Quercus stellata	YES	YES			YES		
50	1198	28	CEDAR ELM	Ulmus Crassifolia	YES				YES		
51	1199	22	POST OAK	Quercus stellata	YES				YES		
52	1202	29	POST OAK	Quercus stellata	YES				YES		
53	1203	29	POST OAK	Quercus stellata	YES				YES		
54	1275	33	POST OAK	Quercus stellata	YES				YES		
55	1276	19	CEDAR ELM	Ulmus Crassifolia	YES				YES		
56	1277	20	CEDAR ELM	Ulmus Crassifolia	YES				YES		
57	1278	22	POST OAK	Quercus stellata	YES				YES		
58	1279	27	POST OAK	Quercus stellata	YES				YES		
59	1354	8	POST OAK	Quercus stellata	NO				NO	2	
60	1356	7	POST OAK	Quercus stellata	NO				NO	2	
61	1357	7	POST OAK	Quercus stellata	NO				NO	2	
62	1358	6	POST OAK	Quercus stellata	NO				NO	2	
63	1359	7	POST OAK	Quercus stellata	NO				NO	2	
64	1360	8	BLACKJACK OAK	Quercus marilandica	NO				NO	1	
65	1361	6	POST OAK	Quercus stellata	NO				NO	2	
66	1363	6	BLACKJACK OAK	Quercus marilandica	NO				NO	1	
67	1364	7	BLACKJACK OAK	Quercus marilandica	NO				NO	1	
68	1365	9	POST OAK	Quercus stellata	NO				NO	2	
69	1366	8	POST OAK	Quercus stellata	NO				NO	2	
70	1367	8	POST OAK	Quercus stellata	NO				NO	2	
71	1368	9	POST OAK	Quercus stellata	NO				NO	2	
72	1369	9	BLACKJACK OAK	Quercus marilandica	NO				NO	1	
73	1370	11	POST OAK	Quercus stellata	NO				NO	2	
74	1371	13	BLACKJACK OAK	Quercus marilandica	NO				NO	1	
75	1372	9	BLACKJACK OAK	Quercus marilandica	NO				NO	1	
76	1373	7	POST OAK	Quercus stellata	NO				NO	2	
77	1374	9	POST OAK	Quercus stellata	NO				NO	2	
78	1375	8	POST OAK	Quercus stellata	NO				NO	2	
79	1376	9	POST OAK	Quercus stellata	NO				NO	2	
80	1377	16	POST OAK	Quercus stellata	NO				NO	4	
81	1378	7	BLACKJACK OAK	Quercus marilandica	NO				NO	1	
82	1379	13	POST OAK	Quercus stellata	NO				NO	4	
83	1380	15	POST OAK	Quercus stellata	NO				NO	4	
84	1381	10	POST OAK	Quercus stellata	NO				NO	2	
85	1382	8	POST OAK	Quercus stellata	NO				NO	2	
86	1383	20	POST OAK	Quercus stellata	NO				NO	4	
87	1384	29	POST OAK	Quercus stellata	YES				NO	6	
88	1386	20	POST OAK	Quercus stellata	NO				YES		
89	1387	12	POST OAK	Quercus stellata	NO				NO	2	
90	1388	7	POST OAK	Quercus stellata	NO				NO	2	

LIST #	TAG #	CALIPER (")	COMMON NAME	BOTANICAL NAME	SPECIMEN	REMOVED	REMARKS	HEALTH	UWH	DEBIT	CREDIT
91	1390	27	POST OAK	Quercus stellata	YES				NO		6
92	1391	22	CEDAR ELM	Ulmus Crassifolia	YES				YES		
93	1392	21	CEDAR ELM	Ulmus Crassifolia	YES				YES		
94	1393	16	POST OAK	Quercus stellata	NO				NO		4
95	1394	23	POST OAK	Quercus stellata	YES				NO		6
96	1566	25	POST OAK	Quercus stellata	YES	YES	LIGHTING DAMAGE	POOR	YES		
97	1568	7	CEDAR ELM	Ulmus Crassifolia	NO	YES			NO	3	
98	1570	16	POST OAK	Quercus stellata	NO	YES			NO	3	
99	1571	17	POST OAK	Quercus stellata	NO	YES			NO	3	
100	1572	22	POST OAK	Quercus stellata	YES	YES			NO	44	
101	1573	23	POST OAK	Quercus stellata	YES				NO		6
102	1574	20	POST OAK	Quercus stellata	NO	YES			NO	3	
103	1575	21	POST OAK	Quercus stellata	NO				YES		
104	1576	20	POST OAK	Quercus stellata	NO	YES			NO	3	
105	1577	20	POST OAK	Quercus stellata	NO	YES			NO	3	
106	1578	18	POST OAK	Quercus stellata	NO				NO		4
107	1579	19	POST OAK	Quercus stellata	NO				NO		4
108	1580	19	POST OAK	Quercus stellata	NO				NO		4
109	1581	16	POST OAK	Quercus stellata	NO	YES			NO	3	
110	1582	9	POST OAK	Quercus stellata	NO	YES			NO	3	
111	1583	10	POST OAK	Quercus stellata	NO	YES			NO	3	
112	1584	21	POST OAK	Quercus stellata	NO	YES			NO	3	
113	1585	21	POST OAK	Quercus stellata	NO	YES			NO	3	
114	1586	10	POST OAK	Quercus stellata	NO	YES			NO	3	
115	1587	8	POST OAK	Quercus stellata	NO				NO		2
116	1588	25	POST OAK	Quercus stellata	YES				NO		6
117	1589	23	POST OAK	Quercus stellata	YES				NO		6
118	1599	7	CEDAR ELM	Ulmus Crassifolia	NO	YES			NO	3	
119	1600	7	CEDAR ELM	Ulmus Crassifolia	NO	YES			NO	3	
120	1669	13	POST OAK	Quercus stellata	NO	YES			NO	3	
121	3583	22	POST OAK	Quercus stellata	YES				NO		6
122	3584	16	POST OAK	Quercus stellata	NO				NO		4
123	3585	23	POST OAK	Quercus stellata	YES		MEASURED AT 24"		NO		6
TOTAL SPECIMEN TREE DEBIT INCHES										164	
SPECIMEN TREE REQUIRED MITIGATION (3" CAL TREES)										55	
TOTAL PROTECTED TREE DEBITS (3" CAL TREES)										31	
TOTAL TREE CREDITS										131	
FINAL MITIGATION REPLACEMENT TREES										-45	
FINAL MITIGATION FEES (\$600/3" CAL TREE)										-\$27,000.00	

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 and 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 drip-line, whichever is greater.
 - 2) TPZ: Tree Protection Zone: The entire soil space located directly under the drip-line of any tree (the entire drip-line).
 - 3) CRS: Complete Root System: The soil space directly under the drip-line of any tree and an additional 7 feet beyond said drip-line.
 - 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 of Arboriculture (ISA) Certified Arborist.
 - 2) All trees within the project area shall be pruned to:
 - (i) Clear the crown of diseased, crossing, weak and dead wood to a minimum of 1 ½ inches in diameter
 - (ii) Provide 14 feet of vertical clearance over streets and 8 feet over sidewalks.
 - (iii) Remove stubs, cutting outside the wound-wood 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 Standards. 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 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.
 - 3) 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 "I" stakes and orange web fence material
 - 4) 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.
 - 5) Construction trailers, traffic and storage areas must remain outside fenced areas at all times.
 - 6) 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. Trenches "air dug" with Air Spade (registered trademark) or similar technology are the exceptions. Irrigation line may routed in any direction outside the dripline of retained trees. Irrigation lines inside the drip-line must be in a straight, radial direction towards the tree trunk and terminate in a dead end sprinkler head no grater than 7 feet from a tree trunk (irrigation lines shall not in any way bisect and therefore damage the "spoke-like" root system).
 - 7) No materials, equipment, spoil, or waste or washout water may be deposited, stored, or parked within the tree protection zone.
 - 8) If unintentional injury should occur to any tree during construction, it shall be reported to the Landscape Architect within six hours