

## **AGENDA**

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

#### **REGULAR MEETING**

**July 5, 2022**

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

**6:30 P.M.**

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**AN AGENDA INFORMATION PACKET IS AVAILABLE ONLINE AT**

**<https://www.flower-mound.com/agendacenter>**

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

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

**B. INVOCATION AND PLEDGE OF ALLEGIANCE**

**C. PUBLIC COMMENT**

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

**D. STAFF REPORT**

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

**E. CONSENT AGENDA - CONSENT ITEMS**

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 A member of the Environmental Conservation Commission may request an item(s) be withdrawn from the consent agenda and moved to the regular agenda for discussion by making such a request prior to a motion and vote on the Consent Agenda.

## Environmental Conservation Commission Meeting Agenda

July 5, 2022

Page 2

1. Consider approval of minutes from the regular meeting of the Environmental Conservation Commission held on June 7, 2022.

### **F. REGULAR ITEM**

2. Consider an application for a tree removal permit (TRP22-0010) for five (5) specimen trees on property proposed for development as McIver Flower Mound. The property is generally located south of Lakeside Parkway and west of Enterprise Road.

### **G. ADJOURNMENT- REGULAR SESSION**

### **H. CALL WORK SESSION TO ORDER**

### **I. WORK SESSION ITEM**

1. Discuss potential updates to Chapter 94 – Trees, of the Town's Code of Ordinances.

### **J. SUBCOMMITTEE REPORT**

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

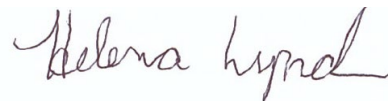
### **K. COORDINATION OF FUTURE AGENDAS/MEETINGS**

### **L. ADJOURNMENT- WORK SESSION**



**Matthew Woods**  
Director of Environmental Services

I do hereby certify that the Notice of Meeting was posted on the bulletin board in Town Hall of the Town of Flower Mound, Texas, a place convenient and readily accessible to the general public at all times and said Notice was posted on the following date and time: June 30, 2022, by 5:00 p.m., at least 72 hours prior to the scheduled time of the said meeting.



**Helena Lynch**  
Administrative Assistant



## ENVIRONMENTAL CONSERVATION COMMISSION AGENDA ITEM NO. 1

### CONSENT ITEM

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**DATE:** July 5, 2022

**FROM:** Helena Lynch, Administrative Assistant

**ITEM:** Consider approval of minutes from the regular meeting of the Environmental Conservation Commission held on June 7, 2022.

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**BACKGROUND INFORMATION:** This agenda item is to consider approval of the minutes from the June 7, 2022, regular meeting of the Environmental Conservation Commission.

**CITIZEN FEEDBACK:** N/A

**ALTERNATIVES/OPTIONS:** N/A

**FISCAL IMPACT:** N/A

**LEGAL REVIEW:** N/A

**ATTACHMENTS:**

1. A copy of the draft minutes from the June 7, 2022, regular meeting of the Environmental Conservation Commission.

**RECOMMENDATION:** Move to approve the minutes from the June 7, 2022, regular meeting of the Environmental Conservation Commission.

FLOWER MOUND ENVIRONMENTAL CONSERVATION COMMISSION MEETING OF JUNE 7, 2022

**THE FLOWER MOUND ENVIRONMENTAL CONSERVATION COMMISSION MEETING HELD ON THE 7TH DAY OF JUNE 2022, IN THE FLOWER MOUND TOWN HALL, LOCATED AT 2121 CROSS TIMBERS ROAD IN THE TOWN OF FLOWER MOUND, COUNTY OF DENTON, TEXAS, AT 6:30 PM.**

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

|                 |                            |
|-----------------|----------------------------|
| James Seastrom  | Chair                      |
| Marilyn Lawson  | Vice Chair                 |
| Sandy Fambrough | Commission Member, Place 1 |
| KC Walsh        | Commission Member, Place 3 |
| Alton Bowman    | Commission Member, Place 5 |

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

Constituting a quorum with the following members absent:

|               |                             |
|---------------|-----------------------------|
| Elaine Takacs | Commission Member, Place 6  |
| Deanna Soper  | Commission Member, Place 7  |
| Rich Murchek  | Commission Member, Place 8  |
| Anna Athappan | Commission Member, Place 9  |
| Ashish Sharma | Commission Member, Place 10 |

And the following members of Town staff present:

|                |                                    |
|----------------|------------------------------------|
| Matthew Woods  | Director of Environmental Services |
| Helena Lynch   | Administrative Assistant           |
| Jimmy Hoefert  | Environmental Review Analyst       |
| Tyler Leverenz | Environmental Programs Coordinator |

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

**B. INVOCATION AND PLEDGE OF ALLEGIANCE**

**C. PUBLIC COMMENT**

Fred Vincent 3933 Bordeaux Cir, spoke about stormwater, water quality, air quality, conservation district, and wildlife habitat.

**D. STAFF REPORT**

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

**E. CONSENT AGENDA**

- 1. Consider approval of minutes from the regular meeting of the Environmental Conservation Commission held on May 3, 2022.**



FLOWER MOUND ENVIRONMENTAL CONSERVATION COMMISSION MEETING OF JUNE 7, 2022

**Commission Deliberation**

Commission Member Fambrough made a motion to approve the May 3, 2022, minutes as presented. Vice Chair Lawson seconded the motion.

**VOTE ON THE MOTION**

**YES:** Fambrough, Walsh, Lawson, Bowman  
**NAYS:** None  
**ABSTAIN:** None

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

**F. REGULAR ITEM**

2. Consider an application for a tree removal permit (TRP22-0005) for three (3) specimen trees on property proposed for development as Sethi Property. The property is generally located north of Waketon Road and east of Timber Way.

**Staff Presenter**

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

- Project Information
- General Location
- Detailed Location
- Tree Survey
- Specimen Trees Requested for Removal – 2 slides
- Motion/Recommendation

**Applicant Presenter**

Lara Hall, Landscape Architect, with McAdams, 111 Hillside Drive, Lewisville, TX gave a presentation with the following items and answered questions:

- Letter intent
- Tree Removal Permit Sign
- Tree #1107 – Cedar Elm
- Tree #1387A - Pecan
- Tree #1388 – Green Ash
- Tree Survey
- Tree Canopy Impact
- Tree Survey with Aerial

**Commission Deliberation**

Commission Member Bowman made a motion to recommend approval of the requested permit for the removal of specimen trees #1107 and #1387A and denial of specimen tree #1388 on

FLOWER MOUND ENVIRONMENTAL CONSERVATION COMMISSION MEETING OF JUNE 7, 2022

property proposed for development as Sethi Property. The property is generally located north of Waketon Road and east of Timber Way. Motion seconded by Vice Chair Lawson.

**VOTE ON THE MOTION**

**AYES:** Bowman, Lawson, Walsh, Fambrough

**NAYS:** None

**ABSTAIN:** None

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

**G. ADJOURNMENT- REGULAR SESSION 7:09 pm**

**H. CALL WORK SESSION TO ORDER 7:09 pm**

**I. WORK SESSION ITEM**

1. Discuss updates to Environmental Conservation Commission Sustainability Initiatives.

**Staff Presenter**

Tyler Leverenz, Environmental Programs Coordinator, gave a presentation with the following item and answered questions:

- Proposed ECC Sustainability Initiatives

**J. SUBCOMMITTEE REPORT**

**K. COORDINATION OF FUTURE AGENDAS/MEETINGS**

**L. ADJOURNMENT - REGULAR SESSION 8:16 pm**

**TOWN OF FLOWER MOUND, TEXAS**

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**JAMES SEASTROM, CHAIR**

**ATTEST:**

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**HELENA LYNCH, ADMINISTRATIVE ASSISTANT**



## ENVIRONMENTAL CONSERVATION COMMISSION AGENDA ITEM NO. 2

### REGULAR ITEM

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**DATE:** July 5, 2022  
**FROM:** James Hoefert, Environmental Review Analyst  
**PRESENTER:** Clay Christie, with Clay Moore Engineering  
**ITEM:** **Consider an application for a tree removal permit (TRP22-0010) for five (5) specimen trees on property proposed for development as Mclver Flower Mound. The property is generally located south of Lakeside Parkway and west of Enterprise Road.**

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#### BACKGROUND INFORMATION:

The Mclver Flower Mound development consists of approximately 4.986 acres and is generally located north of Waketon Road and east of Timber Way. The site is zoned for Campus Industrial (CI) uses and master planned for Campus Industrial. According to the tree survey for the project, the applicant is requesting to remove all five (5) specimen trees that have been identified on the site. The specimen trees are in good to fair condition and located within the proposed buildable area.

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

Tree #106 – 36” post oak (multi-trunk);  
Tree #161 – 25” post oak;  
Tree #172 – 22” post oak;  
Tree #188 – 30” post oak (multi-trunk); and  
Tree #198A – 36” pecan (fair condition multi-trunk – poison ivy);

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, 298” of replacement trees, equaling 100 three-inch caliper trees, will be required for the five (5) 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 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.

**CITIZEN FEEDBACK:** As of June 30, 2022, staff has not received feedback related to this item.

**ALTERNATIVES/OPTIONS:** N/A

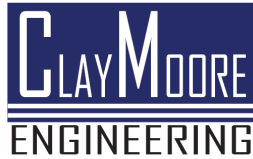
**FISCAL IMPACT:** N/A

**LEGAL REVIEW:** N/A

#### ATTACHMENTS:

1. Letter of Intent.
2. Specimen tree removal permit application.
3. Photographs of the specimen trees proposed for removal.
4. Photograph of approved signage onsite.
5. Landscape Plan.
6. Tree Survey.

**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 Mclver Flower Mound. The property is generally located south of Lakeside Parkway and west of Enterprise Road.



**LETTER OF INTENT**

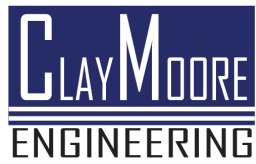
06/08/2022

Planning Services Division  
Town of Flower Mound  
2121 Cross Timbers Rd  
Flower Mound, TX 75028  
972.874.6350

To whom it may concern:

This letter shall serve as a stating the purpose of application, land use, and tree removal is to develop existing property located at the intersection of Lakeside Parkway and Enterprise Road. The site is currently on 4.99 acres of land and zoned CI – Campus Industrial. The proposed development would serve as warehouse and office space, both maintained by the one owner. Proposed square footage is 56,986 sf and all will be developed in one phase.

Photos of specimen trees to be removed and reasoning for removal are as follows:



**Specimen Tree #106**

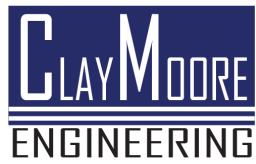
DBH: 36

Common Name: Quercus Stellata

Reason for removal: Existing tree is located within the proposed building footprint





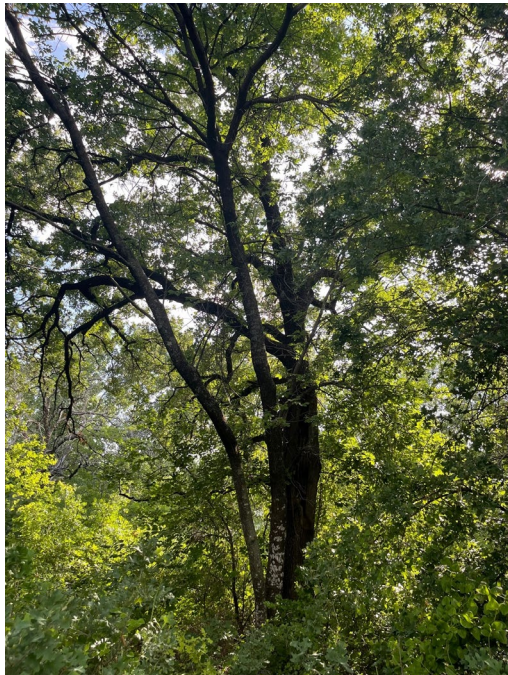


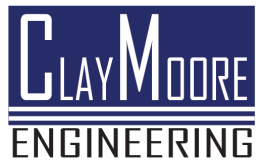
**Specimen Tree #161**

DBH: 25

Common Name: Quercus Stellata

Reason for removal: Existing tree is located within the proposed building footprint





**Specimen Tree #172**

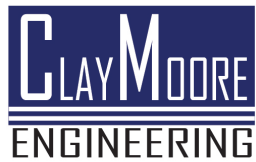
DBH: 22

Common Name: Quercus Stellata

Reason for removal: Due to site constraints and proximity to the proposed building footprint, this area will be regraded and paved causing disturbance to current root system







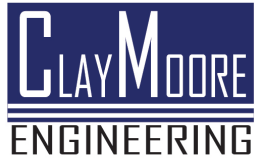
**Specimen Tree #188**

DBH: 30"-2' @ Junction

Common Name: Quercus Stellata

Reason for removal: By request of the city engineer and complying with city standards, the proposed storm drain inlets have been relocated outside of the fire lane. In turn, grading disturbance has encroached beneath the tree canopy leading to the disturbance of existing root system.





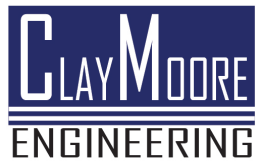
**Specimen Tree #198A**

DBH: 36

Common Name: Pecan

Reason for removal: Due to site constraints and complying with city standards, a retaining wall was necessary in order to maintain proper grades, turning radii, and proposed detention. Said retaining wall has encroached within the tree canopy causing disturbance of existing root system.





Thank you and please call if you have any comments or need additional information.

Sincerely,

A handwritten signature in black ink, appearing to read "Clay Cristy". The signature is stylized with a large, looped "C" and a long, sweeping "y".

Clay Cristy, P.E.  
817.281.0572



**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](http://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:** Daniel Reece

**Address:** 9600 Great Hills Trail #150W

Austin, TX. 78759

**Phone:** 512-496-4989

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

Consulting Landscape Architect

### **2. Property Owner(s)**

**Name(s):** Ramzi Able

**Address:** 2445 McIver Ln suite 110, Carrollton, TX 75006

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

Corner of Lakeside Parkway & Enterprise Drive in Flower Mound

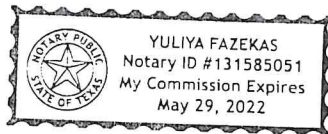
Enterprise Addition, Lot 1, Block 1,

Being a 4.98 tract of land located in the J.C. Moffitt Survey



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

I, Ramti Abe, the owner of the above described real property, do hereby authorize Daniel Reece 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.



Ramti Abe  
Signature of Owner

Given Under My Hand and Seal of Office  
This the 7<sup>th</sup> Day of Feb., 2022

Yuliya Fazeikas  
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 \_\_\_\_\_, 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.

Dan Reece  
Signature of Applicant

Landscape Architect License No. 1986  
State of Licensure \_\_\_\_\_  
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

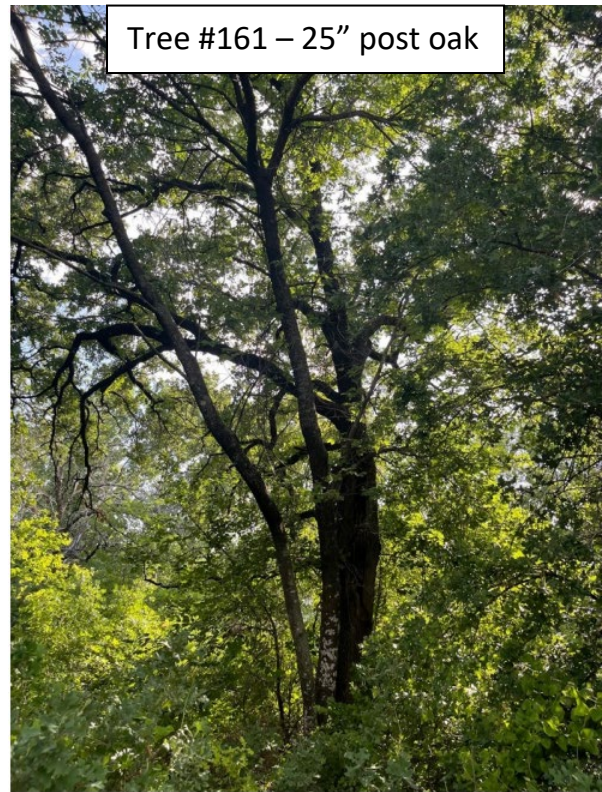
6. Received by Town of Flower Mound on (Date) 6/08/2022 by  
(initials) JRH.



Mclver Flower Mound -  
Specimen trees proposed for removal



Tree #106- 36" post oak



Tree #161 - 25" post oak



Tree #172 - 22" post oak



Tree #188 - 30" post oak



Tree #198A – 36" pecan



# Tree Removal Request Signage

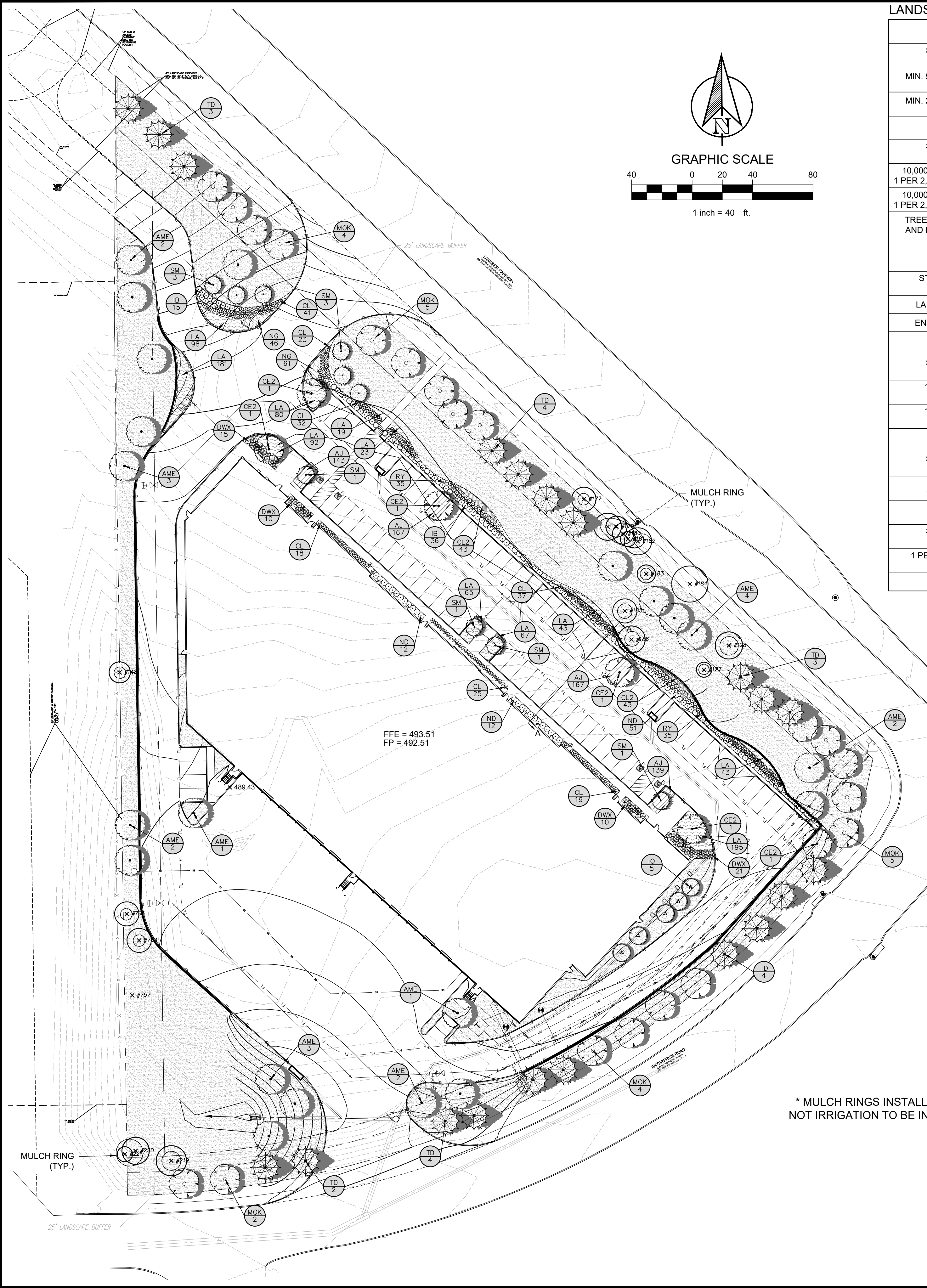
Along Lakeside Parkway



Along Enterprise Road







| STREET YARD LANDSCAPING                                                                                                                                            |                              |           |                            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------|----------------------------|
| STANDARD                                                                                                                                                           | TOTAL STREET YARD (SQ. FT.)  | REQUIRED  | PROVIDED                   |
| MIN. 50% OF STREET YARD                                                                                                                                            | 77,224 SF LAKESIDE PKWY.     | 38,612 SF | 45,918 SF                  |
| MIN. 20% OF STREET YARD                                                                                                                                            | 30,664 SF ENTERPRISE RD.     | 6,133 SF  | 6,918 SF                   |
| STREET YARD TREES                                                                                                                                                  |                              |           |                            |
| STANDARD                                                                                                                                                           | TOTAL STREET YARD (SQ. FT.)  | REQUIRED  | PROVIDED                   |
| 10,000 TO 100,000 SF = 1 PER 2,500 SF + 10 TREES                                                                                                                   | 77,224 SF LAKESIDE PKWY.     | 41        | 51 (INCL 10 EXISTING)      |
| 10,000 TO 100,000 SF = 1 PER 2,500 SF + 10 TREES                                                                                                                   | 30,664 SF ENTERPRISE RD.     | 22        | 24                         |
| TREES REQUIRED TO SATISFY OTHER PROVISIONS OF LANDSCAPING REQUIREMENTS AND LYING WITHIN THE STREET YARD MAY BE USED TO SATISFY THE REQUIREMENTS OF OTHER SECTIONS. |                              |           |                            |
| STREET BUFFER LANDSCAPING                                                                                                                                          |                              |           |                            |
| STREET NAME                                                                                                                                                        | REQUIRED BUFFER WIDTH        | PROVIDED  |                            |
| LAKESIDE PKWY.                                                                                                                                                     | 25 FT                        | 25 FT     |                            |
| ENTERPRISE RD.                                                                                                                                                     | 25 FT                        | 25 FT     |                            |
| STREET BUFFER TREES                                                                                                                                                |                              |           |                            |
| STANDARD                                                                                                                                                           | STREET FRONTAGE (LINEAR FT.) | REQUIRED  | PROVIDED                   |
| 1 PER 25 LF                                                                                                                                                        | 673 LF LAKESIDE PKWY.        | 27 TREES  | 27 TREES (INCL 5 EXISTING) |
| 1 PER 30 LF                                                                                                                                                        | 547 LF ENTERPRISE RD.        | 18 TREES  | 18 TREES                   |
| PARKING AREA LANDSCAPING                                                                                                                                           |                              |           |                            |
| STANDARD                                                                                                                                                           | NO. OF PARKING SPACES        | REQUIRED  | PROVIDED                   |
| 90 SF PER 12 SPACES                                                                                                                                                | 74 SPACES                    | 555 SF    | 1,000+ SF                  |
| PARKING AREA TREES                                                                                                                                                 |                              |           |                            |
| STANDARD                                                                                                                                                           | NO. OF PARKING SPACES        | REQUIRED  | PROVIDED                   |
| 1 PER 10 PARKING SPACES                                                                                                                                            | 74 SPACES                    | 7 TREES   | 8 TREES                    |
| ALL PARKING SPACES ARE LOCATED WITHIN 50FT OF A TREE.                                                                                                              |                              |           |                            |

**ROOT BARRIERS**

THE CONTRACTOR SHALL INSTALL ROOT BARRIERS NEAR ALL NEWLY-PLANTED TREES THAT ARE LOCATED WITHIN FIVE (5) FEET OF PAVING OR CURBS. ROOT BARRIERS SHALL BE "CENTURY" OR "DEEP-ROOT" 24" DEEP PANELS (OR EQUAL). BARRIERS SHALL BE LOCATED IMMEDIATELY ADJACENT TO HARDSCAPE. INSTALL PANELS PER MANUFACTURER'S RECOMMENDATIONS. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR USE ROOT BARRIERS OF A TYPE THAT COMPLETELY ENCIRCLE THE ROOTBALL.

**MULCHES**

AFTER ALL PLANTING IS COMPLETE, CONTRACTOR SHALL INSTALL 3" THICK LAYER OF 1-1/2" SHREDDED WOOD MULCH, NATURAL (UNDYED), OVER LANDSCAPE FABRIC IN ALL PLANTING AREAS (EXCEPT FOR TURF AND SEEDED AREAS). CONTRACTOR SHALL SUBMIT SAMPLES OF ALL MULCHES TO LANDSCAPE ARCHITECT AND OWNER FOR APPROVAL PRIOR TO CONSTRUCTION. ABSOLUTELY NO EXPOSED GROUND SHALL BE LEFT SHOWING ANYWHERE ON THE PROJECT AFTER MULCH HAS BEEN INSTALLED (SUBJECT TO THE CONDITIONS AND REQUIREMENTS OF THE "GENERAL GRADING AND PLANTING NOTES" AND SPECIFICATIONS).

\* MULCH RINGS INSTALLED UNDER EXISTING TREES.  
NOT IRRIGATION TO BE INSTALLED IN MULCH RINGS

| PLANT SCHEDULE |      |                                                                              |        |           |        |
|----------------|------|------------------------------------------------------------------------------|--------|-----------|--------|
| TREES          | CODE | COMMON / BOTANICAL NAME                                                      | SIZE   | CONTAINER | QTY    |
|                | EX   | Existing Tree to Remain reference TD-1/TD-2                                  | exist. | exist.    | exist. |
|                | IO   | American Holly / Ilex opaca 'East Palatka' min. 8 ht.; street tree           | CONT.  | 3"Cal     | 5      |
|                | SM   | Southern Magnolia / Magnolia grandiflora min. 8 ht.; parking lot/street tree | CONT.  | 3"Cal     | 10     |
|                | MOK  | Monterey Oak / Quercus polymorpha 'Monterey' min. 8 ht.; street tree         | CONT.  | 3"Cal     | 20     |
|                | TD   | Montezuma Cypress / Taxodium distichum min. 8 ht.; street tree               | CONT.  | 3"Cal     | 20     |
|                | CE2  | Cedar Elm / Ulmus crassifolia min. 8 ht.; parking lot tree                   | CONT.  | 3"Cal     | 6      |
|                | AME  | American Elm / Ulmus americana min. 6 ht.; site tree                         | CONT.  | 2.5"Cal   | 21     |
| SHRUBS         | CODE | COMMON / BOTANICAL NAME                                                      | SIZE   | QTY       |        |
|                | CL   | Dwarf Bottle Brush / Callistemon citrinus 'Little John' 30" o.c.             | 5 gal  | 232       |        |
|                | RY   | Red Yucca / Hesperaloe parviflora 30" o.c.                                   | 5 gal  | 70        |        |
|                | IB   | Burford Holly / Ilex cornuta 'Burfordii' 36" o.c.                            | 5 gal  | 88        |        |
|                | DWX  | Dwarf Wax Myrtle / Myrica pusilla 36" o.c.                                   | 5 gal  | 56        |        |
|                | ND   | Heavenly Bamboo / Nandina domestica 36" o.c.                                 | 5 gal  | 81        |        |
| SHRUB AREAS    | CODE | COMMON / BOTANICAL NAME                                                      | SIZE   | SPACING   | QTY    |
|                | NG   | New Gold Lantana / Lantana camara 'New Gold'                                 | 1 gal  | 18" o.c.  | 107    |
|                | CL2  | Purple Lantana / Lantana montevidensis                                       | 1 gal  | 18" o.c.  | 86     |
|                | LA   | Aztec Grass / Liriope muscari 'Aztec'                                        | 1 gal  | 18" o.c.  | 906    |
|                | AJ   | Asian Jasmine / Trachelospermum asiaticum                                    | 1 gal  | 12" o.c.  | 616    |
| GROUND COVERS  | CODE | COMMON / BOTANICAL NAME                                                      | SIZE   | QTY       |        |
|                | CD   | Bermuda Grass / Cynodon dactylon 'tif 419'                                   | sod    | 67,070 sf |        |

- GENERAL GRADING AND PLANTING NOTES**
- BY SUBMITTING A PROPOSAL FOR THE LANDSCAPE PLANTING SCOPE OF WORK, THE CONTRACTOR CONFIRMS THAT HE HAS READ, AND WILL COMPLY WITH, THE ASSOCIATED NOTES, SPECIFICATIONS, AND DETAILS WITH THIS PROJECT. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL EXISTING VEGETATION (EXCEPT WHERE NOTED TO REMAIN).
  - IN THE CONTEXT OF THESE PLANS, NOTES, AND SPECIFICATIONS, "FINISH GRADE" REFERS TO THE FINAL ELEVATION OF THE SOIL SURFACE (NOT TOP OF MULCH) AS INDICATED ON THE GRADING PLANS.
    - BEFORE STARTING WORK, THE LANDSCAPE CONTRACTOR SHALL VERIFY THAT THE ROUGH GRADES OF ALL LANDSCAPE AREAS ARE WITHIN +0.1' OF FINISH GRADE. SEE SPECIFICATIONS FOR MORE DETAILED INSTRUCTION ON TURF AREA AND PLANTING BED PREPARATION.
    - CONSTRUCT AND MAINTAIN FINISH GRADES AS SHOWN ON GRADING PLANS, AND CONSTRUCT AND MAINTAIN SLOPES AS RECOMMENDED BY THE GEOTECHNICAL REPORT. ALL LANDSCAPE AREAS SHALL HAVE POSITIVE DRAINAGE AWAY FROM STRUCTURES AT THE MINIMUM SLOPE SPECIFIED IN THE REPORT AND ON THE GRADING PLANS, AND AREAS OF POTENTIAL PONDING SHALL BE REGRADED TO BLEND IN WITH THE SURROUNDING GRADES AND ELIMINATE PONDING POTENTIAL.
    - THE LANDSCAPE CONTRACTOR SHALL DETERMINE WHETHER OR NOT THE EXPORT OF ANY SOIL WILL BE NEEDED, TAKING INTO ACCOUNT THE ROUGH GRADE PROVIDED, THE AMOUNT OF SOIL AMENDMENTS TO BE ADDED (BASED ON A SOIL TEST, PER SPECIFICATIONS), AND THE FINISH GRADES TO BE ESTABLISHED.
    - ENSURE THAT THE FINISH GRADE IN SHRUB AREAS IMMEDIATELY ADJACENT TO WALKS AND OTHER WALKING SURFACES, AFTER INSTALLING SOIL AMENDMENTS, IS 3" BELOW THE ADJACENT FINISH SURFACE, IN ORDER TO ALLOW FOR PROPER MULCH DEPTH. TAPER THE SOIL SURFACE TO MEET FINISH GRADE, AS SPECIFIED ON THE GRADING PLANS, AT APPROXIMATELY 18" AWAY FROM THE WALKS.
    - ENSURE THAT THE FINISH GRADE IN TURF AREAS IMMEDIATELY ADJACENT TO WALKS AND OTHER WALKING SURFACES, AFTER INSTALLING SOIL AMENDMENTS, IS 1" BELOW THE FINISH SURFACE OF THE SOIL SURFACE TO MEET FINISH GRADE, AS SPECIFIED ON THE GRADING PLANS, AT APPROXIMATELY 18" AWAY FROM THE WALKS.
    - SHOULD ANY CONFLICTS AND/OR DISCREPANCIES ARISE BETWEEN THE GRADING PLANS, GEOTECHNICAL REPORT, THESE NOTES AND PLANS, AND ACTUAL CONDITIONS, THE CONTRACTOR SHALL IMMEDIATELY BRING SUCH ITEMS TO THE ATTENTION OF THE LANDSCAPE ARCHITECT, GENERAL CONTRACTOR, AND OWNER.
  - ALL PLANT LOCATIONS ARE DIAGRAMMATIC. ACTUAL LOCATIONS SHALL BE VERIFIED WITH THE LANDSCAPE ARCHITECT OR DESIGNER PRIOR TO PLANTING. THE LANDSCAPE CONTRACTOR SHALL ENSURE THAT ALL REQUIREMENTS OF THE PERMITTING AUTHORITY ARE MET (I.E., MINIMUM PLANT QUANTITIES, PLANTING METHODS, TREE PROTECTION METHODS, ETC.).
    - THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR DETERMINING PLANT QUANTITIES; PLANT QUANTITIES SHOWN ON LEGENDS AND CALLOUTS ARE FOR GENERAL INFORMATION ONLY. IN THE EVENT OF A DISCREPANCY BETWEEN THE PLAN AND THE PLANT LEGEND, THE PLANT QUANTITY AS SHOWN ON THE PLAN (FOR INDIVIDUAL SYMBOLS) OR CALLOUT (FOR GROUND COVER PATTERNS) SHALL TAKE PRECEDENCE.
    - NO SUBSTITUTIONS OF PLANT MATERIALS SHALL BE ALLOWED WITHOUT THE WRITTEN PERMISSION OF THE LANDSCAPE ARCHITECT. IF SOME OF THE PLANTS ARE NOT AVAILABLE, THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT IN WRITING VIA PROPER CHANNEL(S).
    - THE CONTRACTOR SHALL, AT A MINIMUM, PROVIDE REPRESENTATIVE PHOTOS OF ALL PLANTS PROPOSED FOR THE PROJECT. THE CONTRACTOR SHALL ALLOW THE LANDSCAPE ARCHITECT AND THE OWNER/OWNER'S REPRESENTATIVE TO INSPECT, AND APPROVE OR REJECT, ALL PLANTS DELIVERED TO THE JOBSITE. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS FOR SUBMITTALS.
  - THE CONTRACTOR SHALL MAINTAIN THE LANDSCAPE IN A HEALTHY CONDITION FOR 90 DAYS AFTER ACCEPTANCE BY THE OWNER. REFER TO SPECIFICATIONS FOR CONDITIONS OF ACCEPTANCE FOR THE START OF THE MAINTENANCE PERIOD, AND FOR FINAL ACCEPTANCE AT THE END OF THE MAINTENANCE PERIOD.
  - SEE SPECIFICATIONS AND DETAILS FOR FURTHER REQUIREMENTS.



TEXAS REGISTRATION #14199

**GLAY MOORE ENGINEERING**

1000 CHEROKEE BLVD. SUITE #1  
FLOWERS, TEXAS 75040  
WWW.GLMOOREENGINEERING.COM

**McIVER FLOWER MOUND  
FLOWER MOUND, TX**

| No. | DATE | REVISION | BY |
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LANDSCAPE PLANTING

DESIGN: CLC  
DRAWN: RDS  
CHECKED: CLC  
DATE: 06/02/2021

SHEET

**LP-1**

File No. 2020-146



## GENERAL

- A. QUALIFICATIONS OF LANDSCAPE CONTRACTOR**
1. ALL LANDSCAPE WORK SHOWN ON THESE PLANS SHALL BE PERFORMED BY A SINGLE FIRM SPECIALIZING IN LANDSCAPE PLANTING.
  2. A LIST OF SUCCESSFULLY COMPLETED PROJECTS OF THIS TYPE, SIZE AND NATURE MAY BE REQUESTED BY THE OWNER FOR FURTHER QUALIFICATION MEASURES.
  3. THE CONTRACTOR SHALL BE REQUIRED TO OBTAIN A LANDSCAPE CERTIFICATE ISSUED BY THE TEXAS DEPARTMENT OF AGRICULTURE, AS WELL AS OPERATE UNDER A COMMERCIAL PESTICIDE APPLICATOR LICENSE ISSUED BY EITHER THE TEXAS DEPARTMENT OF AGRICULTURE OR THE TEXAS STATEURAL PEST CONTROL BOARD.
- B. SCOPE OF WORK**
- WORK COVERED BY THESE SECTIONS INCLUDES THE FURNISHING AND PAYMENT OF ALL MATERIALS, SERVICES, EQUIPMENT, SUPPLIES, FEES, TAXES AND ANY OTHER ITEMS THAT ARE NECESSARY FOR THE EXECUTION, INSTALLATION AND COMPLETION OF ALL WORK, SPECIFIED HEREIN AND / OR SHOWN ON THE LANDSCAPE PLANS, NOTES, AND DETAILS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH ALL APPLICABLE LAWS, CODES AND REGULATIONS REQUIRED BY AUTHORITIES HAVING JURISDICTION OVER SUCH WORK, INCLUDING ALL INSPECTIONS AND PERMITS REQUIRED BY FEDERAL, STATE AND LOCAL AUTHORITIES IN SUPPLY, INSTALLATION AND COMPLETION OF ALL LANDSCAPE PLANTING.
3. THE LANDSCAPE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITY LINES (WATER, SEWER, ELECTRICAL, TELEPHONE, GAS, CABLE, TELEVISION, ETC.) PRIOR TO THE START OF ANY WORK.

## A. ALL

- A. ALL MANUFACTURED PRODUCTS SHALL BE NEW.
- B. CONTAINER AND BALLED-AND-BURLAPPED PLANTS.
1. FINISH NURSERY-GROWN PLANTS COMPLYING WITH ANSI Z60.1-2014. PROVIDE WELL-SHAPED, FULLY BRANCHED, HEALTHY, VIGOROUS STOCK FREE OF DISEASE, INSESTS, EGGS, LARVAE, AND DEFECTS SUCH AS KNOTS, SNIP, SCOLD, INJURIES, ABRASIONS, AND DISFIGUREMENT. ALL PLANTS WITHIN A SPECIFIC SHALL HAVE A MINIMUM OF 100% BRANCHING. ALL PLANTS SHALL BE 100% FREE OF DISEASE. ALL PLANTS SHALL BE OBTAINED FROM SOURCES WITHIN 200 MILES OF THE PROJECT SITE, AND WITH SIMILAR CLIMATIC CONDITIONS.
2. ALL SYSTEMS SHALL BE HEALTHY, DENSELY BRANCHED ROOT SYSTEMS, NOT-POUT-BOD, FREE FROM ENCIRCLING AND/OR GIRDLING ROOTS, AND FREE FROM ANY OTHER ROOT DEFECTS (SUCH AS J-SHAPED ROOTS).
3. PLANTS MAY BE PLANTED FROM CONTAINERS OR BALLED-AND-BURLAPPED (BAB), UNLESS SPECIFIED ON THE PLANTING LEGEND. BARE-ROOT TREES ARE NOT ACCEPTABLE.
4. ANY PLANT DEEMED UNACCEPTABLE BY THE LANDSCAPE ARCHITECT OR OWNER SHALL BE REJECTED. REJECTED PLANTS SHALL BE REPLACED WITHIN AN ACCEPTABLE PLANT OF LIKE TYPE AND SIZE AT THE CONTRACTOR'S OWN EXPENSE. ANY PLANTS APPEARING TO BE UNHEALTHY, EVEN IF DETERMINED TO STILL BE ALIVE, SHALL NOT BE ACCEPTED. THE LANDSCAPE ARCHITECT AND OWNER SHALL BE NOTIFIED IMMEDIATELY BY THE CONTRACTOR OF ANY REJECTED PLANTS.
5. ALL TREES SHALL BE STANDARD IN FORM, UNLESS OTHERWISE SPECIFIED. TREES WITH CROWN LEADERS WILL NOT BE ACCEPTED IF LEADER IS DAMAGED OR REMOVED. PRUNE ALL DAMAGED TWIGS AFTER PLANTING.
6. TREE MEASUREMENTS FOR STANDARD (SINGLE TRUNK) TREES SHALL BE AS FOLLOWS: SIX INCHES ABOVE THE ROOT FLARE FOR TREES UP TO AND INCLUDING FOUR INCHES IN CALIPER, AND TWELVE INCHES ABOVE THE ROOT FLARE FOR TREES EXCEEDING FOUR INCHES IN CALIPER.
7. BALSAM TRUNK TRUNK TRUNK MEASUREMENTS SHALL BE TAKEN FROM THE TOP OF THE ROOT BALL, WHERE CALIPER MEASUREMENTS ARE USED. THE CALIPER SHALL BE CALCULATED AS ONE-HALF OF THE SUM OF THE CALIPER OF THE THREE LARGEST TRUNKS.
8. TREES OR SHRUBS WITH TWO OR MORE TRUNKS PLACED ON TOP OF THE ROOT BALL, SO THAT THE ROOT FLARE HAS BEEN COMPLETELY COVERED, SHALL BE REJECTED.
9. SOD: PROVIDE WELL-ROOTED SOD OF THE VARIETY NOTED ON THE PLANS. SOD SHALL CUT FROM THE TOP OF THE PLANT, WITH A THICKNESS OF 3/4" TO 1". EACH PALETTE OF SOD SHALL BE ACCOMPANIED BY A CERTIFICATE FROM SUPPLIER STATING THE COMPOSITION OF THE SOD.
10. SEED: PROVIDE BLEND OF SPECIES AND VARIETIES AS NOTED ON THE PLANS, WITH MAXIMUM PERCENTAGE OF PLANT GERMINATION RATES AS NOTED ON THE PLANS. SEEDS AS INDICATED ON PLANS. EACH BAG OF SEED SHALL BE ACCOMPANIED BY A TAG FROM THE SUPPLIER INDICATING THE COMPOSITION OF THE SEED.
11. MULCH: MULCH TO BE 2" DEEP, 100% ORGANIC, FREE OF STONES LARGER THAN 1/2" INCH. FOREIGN MATERIAL, PLANTS, ROOTS, AND SEEDS.
12. COMPOST: WELL-COMPOSTED, STABLE, AND WEED-FREE ORGANIC MATERIAL, pH RANGE OF 5.5 TO 8.0. COMPOST SHALL BE 10% TO 20% PERCENT BY WEIGHT, 100 PERCENT PASSING THROUGH 1/4" INCH SIEVE. SOLUBLE SALT CONTENT OF 5 TO 10 DECISEMIS/ML, NOT EXCEEDING 0.5 PERCENT NITRUS CONTAMINANTS AND FREE OF SUBSTANCES TOXIC TO PLANTINGS. NO MANURE OR ANIMAL-BASED PRODUCTS SHALL BE USED.
13. FERTILIZER: GRANULAR FERTILIZER CONSISTING OF NITROGEN, PHOSPHORUS, POTASSIUM, AND OTHER NUTRIENTS IN PROPORTIONS, AMOUNTS, AND RELEASE RATES RECOMMENDED IN A SOIL REPORT FROM A REPUTABLE TESTING LABORATORY.
14. MULCH: SIZE AND TYPE AS INDICATED ON PLANS. FREE FROM DELETERIOUS MATERIALS AND SUITABLE AS TOP DRESSING OF TREES AND SHRUBS.
15. TREE STAKING AND GUYING
- A. STAKES: 6' LONG GREEN NETAL POSTS.
- B. GUY AND TIE: ASTM A 641, CLASS 1, GALVANIZED-STEEL WIRE, 2-STRAND, TWISTED, 0.106 INCH DIAMETER.
- C. STRAP CHAFING: RING REINFORCED NYLON OR CANVAS AT LEAST 1-2 INCH WIDE, WITH GROMMETS TO PROTECT TREE TRUNKS FROM DAMAGE.
16. STEEL: PROFESSIONAL OR INDUSTRIAL GRADE, 1/2" THICK X 4 INCHES WIDE, FACTORY PAINTED DARK GREEN. ACCEPTABLE MANUFACTURERS INCLUDE COL-MET OR APPROVED EQUIVAL.
17. PRE-EMERGENT HERBICIDES: ANY GRANULAR, NON-STAINING PRE-EMERGENT HERBICIDE THAT IS LABELED FOR USE ON TURF GRASS SHALL BE ACCEPTED. PRE-EMERGENT HERBICIDES THAT ARE UTILIZED, PRE-EMERGENT HERBICIDES SHALL BE APPLIED PER THE MANUFACTURER'S LABELED RATES.

#### A. SOIL PREPARATION

1. **BEFORE STARTING WORK**, THE LANDSCAPE CONTRACTOR SHALL VERIFY THAT THE GRADE OF ALL LANDSCAPE AREAS ARE WITHIN  $\pm 0.1'$  OF FINISH GRADE. THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY SHOULD ANY DISCREPANCIES EXIST.
2. **SOIL TESTING:**
- a. AFTER FINISH GRADES HAVE BEEN ESTABLISHED, CONTRACTOR SHALL HAVE SOIL SAMPLES FROM THE PROJECT'S LANDSCAPE AREAS TESTED BY AN ESTABLISHED SOIL TESTING LABORATORY. EACH SAMPLE SUBMITTED TO THE LAB SHALL CONTAIN NO LESS THAN ONE QUART OF SOIL TAKEN FROM THE SUBSURFACE TO A DEPTH OF 12" IF NO SAMPLE LOCATIONS ARE INDICATED ON THE PLANS. THE CONTRACTOR SHALL TAKE A MINIMUM OF THREE SAMPLES FROM VARIOUS REPRESENTATIVE LOCATIONS FOR TESTING.
- b. THE CONTRACTOR SHALL PROVIDE THE LABORATORY WITH THE FOLLOWING RESULTS FOR THE FOLLOWING: SOIL TEXTURAL CLASS, GENERAL SOIL FERTILITY, pH, ORGANIC MATTER CONTENT, SALT (CEC), LIME, SODIUM ADSORPTION RATIO (SAR) AND BORON CONTENT.
- c. THE CONTRACTOR SHALL PROVIDE THE LABORATORY WITH ACCESS TO THE LABORATORY ALONG WITH THE SOIL SAMPLES.
- d. THE SOIL REPORT PRODUCED BY THE LABORATORY SHALL CONTAIN RECOMMENDATIONS FOR FOLLOWING (AS APPROPRIATE): SEPARATE SOIL PREPARATION AND BACKFILL MIX RECOMMENDATIONS FOR GENERAL ORNAMENTAL PLANTS, XERIC PLANTS, TURF, AND NATIVE SEED, AS WELL AS PRE-PLANT FERTILIZER APPLICATIONS AND RECOMMENDATIONS FOR ANY OTHER SOIL RELATED ISSUES. THE CONTRACTOR SHALL FOLLOW THE RECOMMENDATIONS FOR THE ESTABLISHMENT PERIOD AND FOR LONG-TERM MAINTENANCE.
- e. THE CONTRACTOR SHALL FOLLOW ALL RECOMMENDATIONS FOR FERTILIZER FROM THE SOIL REPORT RECOMMENDATIONS. ANY CHANGE IN COST DUE TO THE SOIL REPORT RECOMMENDATIONS, EITHER INCREASE OR DECREASE, SHALL BE SUBMITTED TO THE OWNER WITH THE REPORT.
- f. **FOR BIDDING PURPOSES ONLY**, THE SOIL REPORT SHALL BE BASED ON THE FOLLOWING:
- a. **PREPARE, INCORPORATE THE FOLLOWING AMENDMENTS TO THE TOP 6" BY MEANS OF ROTILLATING AFTER CROSS-GRIPPING:**
  - i. PROPOSEN STABILIZED ORGANIC (ORGANIC) - 4 CU. YDS. PER 1,000 SF.
  - ii. PREPLANT TURF FERTILIZER (10-20-10 OR SIMILAR, SLOW RELEASE, ORGANIC) - 15 LBS PER 1,000 SF.
- iii. **CLAY BUSTER OR EQUAL - USE MANUFACTURER'S RECOMMENDED RATE**
- iv. **TREES, SHRUBS, AND PERENNIALS:** INCORPORATE THE FOLLOWING AMENDMENTS INTO THE TOP 8" OF SOIL BY MEANS OF ROTILLATING AFTER CROSS-GRIPPING:
- i. PROPOSEN STABILIZED ORGANIC (ORGANIC) - 10 CU. YDS. PER 1,000 SF.
  - ii. 12-12-12 FERTILIZER (OR SIMILAR, ORGANIC, SLOW RELEASE) - 10 LBS. PER CU. YD.
  - iii. "CLAY BUSTER" OR EQUAL - USE MANUFACTURER'S RECOMMENDED RATE
- v. **SOIL SUBSTRATE - 2 LBS. PER CU. YD.**
5. IN THE CONTEXT OF THESE PLANS, NOTES, AND SPECIFICATIONS, "FINISH GRADE" REFERS TO THE FINAL ELEVATION OF THE SOIL SURFACE (NOT TOP OF MULCH) AS INDICATED ON THE GRADING PLANS. WHERE STAIRWAYS, SLOPES, OR OTHER GRADING AREAS ARE SHOWN, THE FINISH GRADE SHALL BE BELOW FINISH GRADES OF ALL LANDSCAPE AREAS ARE WITHIN  $\pm 0.1'$  OF FINISH GRADE. SEE SPECIFICATIONS FOR MORE DETAILED INSTRUCTION ON TURF AREA AND PLANTING BED PREPARATION.
6. THE CONTRACTOR SHALL MAINTAIN ALL GRADING AREAS TO THE FINISH GRADE. THE CONTRACTOR SHALL MAINTAIN SLOPES AS RECOMMENDED BY THE GEOTECHNICAL REPORT. ALL LANDSCAPE AREAS SHALL HAVE POSITIVE DRAINAGE AWAY FROM STRUCTURES AT THE MINIMUM SLOPE SPECIFIED IN THE REGIONAL CODE. THE CONTRACTOR SHALL MAINTAIN THE FINISH GRADE. THE CONTRACTOR SHALL BE REGRADOED TO BLEND IN WITH THE SURROUNDING GRADES AND ELIMINATE PONDING POTENTIAL.
7. THE LANDSCAPE CONTRACTOR SHALL DETERMINE WHETHER OR NOT THE EXPORT OF ANY SOIL WILL BE NEEDED, TAKING INTO ACCOUNT THE ROUGH GRADE PROVIDED, THE AMOUNT OF SOIL AMENDMENTS TO BE ADDED (BASED ON A SOIL TEST, PER SPECIFICATIONS), AND THE FINISH GRADES TO BE ESTABLISHED.
8. AFTER INSTALLING SOIL AMENDMENTS IN SHRUB AREAS, AND IN ORDER TO ALLOW FOR PROPER MULCH DEPTH, ENSURE THAT THE FINISH GRADE IMMEDIATELY ADJACENT TO WALKS AND OTHER WALKING SURFACES IS MAINTAINED AT A MINIMUM OF 1" AFFERING TO MEET FINISH GRADE AT APPROXIMATELY 18" AWAY FROM THE SURFACE.
9. AFTER INSTALLING SOIL AMENDMENTS IN TURF AREAS, ENSURE THAT THE FINISH GRADE IN TURF AREAS IMMEDIATELY ADJACENT TO WALKS AND OTHER WALKING SURFACES IS MAINTAINED AT A MINIMUM OF 1" AFFERING TO MEET FINISH GRADE AT APPROXIMATELY 18" AWAY FROM THE SURFACE.
- f. SHOULD ANY CONFLICTS AND/OR DISCREPANCIES ARISE BETWEEN THE GRADING PLANS, GEOTECHNICAL REPORT, THE NOTES, AND THE SPECIFICATIONS, THE CONTRACTOR SHALL IMMEDIATELY BRING SUCH ITEMS TO THE ATTENTION OF THE LANDSCAPE ARCHITECT, GENERAL CONTRACTOR, AND OWNER.
10. ONCE SOIL PREPARATION IS COMPLETE, THE LANDSCAPE CONTRACTOR SHALL ENSURE THAT THERE ARE NO DEBRIS, TRASH, OR STONES LARGER THAN 1" REMAINING IN THE TOP 6" OF SOIL.

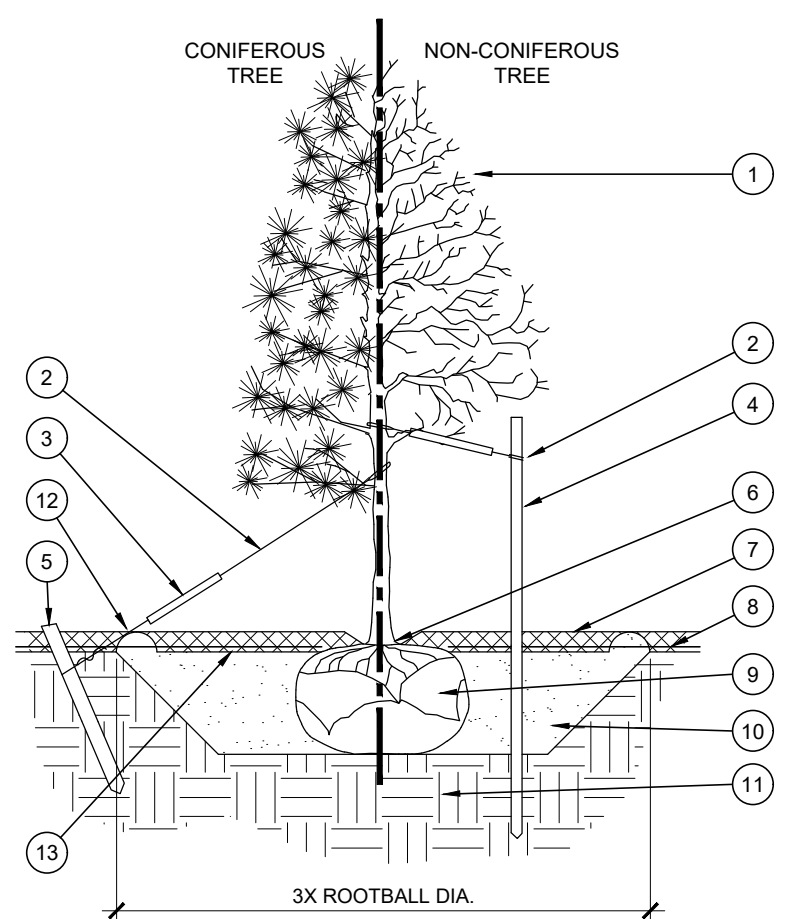
3. THE CONTRACTOR SHALL PROVIDE SUBMITTALS AND SAMPLES, IF REQUIRED, TO THE LANDSCAPE ARCHITECT, AND THE SUBMITTALS SHALL BE REVIEWED BY THE LANDSCAPE ARCHITECT BEFORE THE COMMENCEMENT OF THE WORK.
4. SUBMITTALS SHALL INCLUDE PHOTOS OF PLANTS WITH A RULER OR MEASURING STRIP FOR SCALE, PHOTOS OR SAMPLES OF ANY REQUIRED MULCHES, AND SOIL TEST RESULTS AND PREPARATION RECOMMENDATIONS FOR ANY REQUIRED SOILS, COMPOST, AND FERTILIZERS, AND OTHER TYPES, AND OTHER AMENDMENTS FOR TREE/SHRUB, TURF, AND SEED AREAS (AS MAY BE APPROPRIATE).
5. SUBMITTALS SHALL ALSO INCLUDE MANUFACTURER CUT SHEETS FOR PLANTING ACCESSORIES SUCH AS MULCH STAKES AND TREES, EDGING, AND LANDSCAPE FABRICS (IF ANY).
6. WHERE MULTIPLE ITEMS ARE SHOWN ON A PAGE, THE CONTRACTOR SHALL CLEARLY INDICATE THE ITEM BEING CONSIDERED.
- C. GENERAL PLANTING
1. REMOVE ALL NURSERY TAGS AND STAKES FROM PLANTS.
2. EXCEPT IN AREAS TO BE PLANTED WITH ORNAMENTAL GRASSES, USE PRE-EMERGENT HERBICIDES AT THE MANUFACTURER'S RECOMMENDED RATE.
3. TRENCING NEAR EXISTING TREES:
- a. CONTRACTOR SHALL NOT DISTURB ROOTS 1'-1/2" AND LARGER IN DIAMETER WITHIN THE CRITICAL ROOT ZONE (CRZ) OF EXISTING TREES, AND SHALL EXERCISE ALL POSSIBLE CARE AND PRECAUTIONS TO AVOID ANY DAMAGE TO ANY CRZ OF EXISTING TREES. THE CRZ IS DEFINED AS A CIRCULAR AREA EXTENDING OUTWARD FROM THE TREE TRUNK, WITH A RADIUS EQUAL TO 1' FOR EVERY 1" OF TRUNK DIAMETER AT-BREAST-HEIGHT (4.5 ABOVE THE AVERAGE GRADE AT THE TRUNK).
- b. ALL EXCAVATION WITHIN THE CRZ SHALL BE PERFORMED USING HAND TOOLS. NO MACHINE EXCAVATION OR TRENCING OF ANY KIND SHALL BE ALLOWED WITHIN THE CRZ.
- c. AFTER ALLOWING ACCESS TO ANY CRZ, THE CONTRACTOR SHALL REPAIR THE CRZ, WHERE TREE ROOTS 1'-1/2" AND LARGER IN DIAMETER ARE ENCOUNTERED IN THE FIELD, TUNNEL UNDER SUCH ROOTS, WRAP EXPOSED ROOTS WITH SEVERAL LAYERS OF BURLAP AND KEEP MOIST. CLOSE ALL TRENCHES WITHIN THE CANOPY DRIP LINES WITHIN 24 HOURS.
- d. ALL SEVERED ROOTS SHALL BE HAND PRUNED WITH SHARP TOOLS AND ALLOWED TO AIR-DRY. DO NOT USE ANY SORT OF SEALERS OR WOUND PLANTS.
- D. TREE PLANTING
1. TREE PLANTING HOLES SHALL BE EXCAVATED TO MINIMUM WIDTH OF TWO TIMES THE WIDTH OF THE ROOTBALL, AND TO A DEPTH EQUAL TO THE DEPTH OF THE ROOTBALL LESS TWO TO FOUR INCHES. SCARIFY THE SIDES AND BOTTOM OF THE PLANTING HOLE PRIOR TO THE PLACEMENT OF THE TREE.
2. REMOVE ANY AND ALL CAVE ROOTS AND CAVE ROOTS OF ANY CAVE ROOTS PRIOR TO PLANTING. FOR CONTAINER AND BOX TREES, TO REMOVE ANY POTENTIALLY GIRDLING ROOTS AND OTHER ROOT DEFECTS, THE CONTRACTOR SHALL SHAVE A 1" LAYER OFF OF THE SIDES AND BOTTOM OF THE ROOTBALL OF ALL TREES JUST BEFORE PLACING INTO THE PLANTING PIT. DO NOT "TEASE" ROOTS OUT FROM THE ROOTBALL.
3. INSTALL THE TREE ON UNDISTURBED SUBGRADE SO THAT THE TOP OF THE ROOTBALL IS TWO TO FOUR FEET ABOVE THE FINISHED GRADE.
4. BACKFILL THE TREE HOLE UTILIZING THE EXISTING TOPSOIL FROM ON-SITE. ROCKS LARGER THAN 1" DIA. AND ALL OTHER DEBRIS SHALL BE REMOVED FROM THE SOIL PRIOR TO THE BACKFILL. SHOULD ADDITIONAL SOIL BE REQUIRED TO ACCOMPLISH THIS TASK, USE STORED TOPSOIL FROM ON-SITE OR IMPORT ADDITIONAL TOPSOIL TO THE SITE. TOPSOIL SHALL BE OF THE SAME TYPE AND TOTAL TOPSOIL SHALL BE OF SIMILAR TEXTURAL CLASS AND COMPOSITION IN THE ON-SITE SOIL.
5. TREES SHALL NOT BE STAKED UNLESS LOCAL CONDITIONS (SUCH AS HEAVY WINDS OR SLOPES) REQUIRE STAKES. IF STAKES ARE REQUIRED, THE CONTRACTOR SHALL STAKE THE TREE TO A TOTAL NUMBER OF TREE STAKES (BEYOND THE MINIMUMS LISTED BELOW) WILL BE LEFT TO THE LANDSCAPE CONTRACTOR'S DISCRETION, SHOULD ANY TREE FALL OR LEAN, THE LANDSCAPE CONTRACTOR SHALL STRAIGHTEN THE TREE AND RE-INSTALL IT TO THE SITE. THE CONTRACTOR SHALL ADHERE TO THE FOLLOWING GUIDELINES:

- a. 1"-2" TREES TWO STAKES PER TREE
- b. 2-1/2"4" TREES THREE STAKES PER TREE
- c. TREES OVER 4" CALIPER GUY AS NEEDED
- d. MULTI-TRUNK TREES THREE STAKES PER TREE MINIMUM. QUANTITY AND POSITIONS AS NEEDED TO STABILIZE THE TREE
- 7. UPON COMPLETION OF PLANTING, CONSTRUCT AN EARTH WATERING BASIN AROUND THE TREE. COVER THE INTERIOR OF THE TREE RING WITH MULCH (TYPE AND DEPTH PER PLANS). UNDER NO CIRCUMSTANCES SHALL THE SOLID MASS BE PLANTED DEEPER THAN 6" OF THE TRUNK.
- D. SHRUB PERENNIAL, OR GROUND-COVER PLANTING
- 1. DIG THE PLANTING HOLES TWICE AS WIDE AND 2" LESS DEEP THAN EACH PLANT'S ROOTBALL. INSTALL THE PLANT IN THE HOLE. BACKFILL AROUND THE PLANT WITH SOIL AMENDED PER SOIL TEST RECOMMENDATIONS
- 2. WHEN PLANTING IS COMPLETE, INSTALL MULCH (TYPE AND DEPTH PER PLANS) OVER ALL PLANTING AREAS (EXCEPT FOR SODDED AND SEEDED AREAS), LEAVING NO EXPOSED GROUND.
- E. SODDING
- 1. SOD VARIETY TO BE AS SPECIFIED ON THE LANDSCAPE PLAN.
- 2. LAY SOD WITHIN 24 HOURS FROM THE TIME OF STRIPPING. DO NOT LAY IF THE GROUND IS FROZEN.
- 3. LAY SOD TO FORM A CONTINUOUS MASS WITH TIGHTLY FITTED EDGES. BUTT ENDS AND SIDES OF SOD STRIPS. DO NOT OVERLAP. STAGGER STRIPS TO OFFSET JOINTS IN ADJACENT COURSES.
- 4. ROLL THE SOD TO ENSURE GOOD CONTACT OF THE SOD'S ROOT SYSTEM WITH THE SOIL UNDERNEATH.
- 5. WATER THE SODS IMMEDIATELY WITH FINE SPRAY IMMEDIATELY AFTER PLANTING TO OBTAIN AT LEAST SIX INCHES OF PENETRATION INTO THE SOIL BELOW THE SOD.
- F. HYDROMULCHING
- 1. TURF HYDROMULCH MIX (PER 1,000 SF) SHALL BE AS FOLLOWS:
  - a. WINTER MIX (OCTOBER 1 - MARCH 31)
    - 50% CELLULOSE FIBER MULCH
    - 25% UNHILLED BERBERDA SEED
    - 25% ANNUAL RYE SEED
    - 15% 15-15-15 WATER SOLUBLE FERTILIZER
  - b. SUMMER MIX (APRIL 1 - SEPTEMBER 30)
    - 50% CELLULOSE FIBER MULCH
    - 2% HILLED BERBERDA SEED
    - 15% 15-15-15 WATER SOLUBLE FERTILIZER
- 2. SEED HYDROMULCH MIX (PER 1,000 SF) SHALL BE AS FOLLOWS:
  - a. GENERAL
    - 50% CELLULOSE FIBER MULCH
    - 15% 15-15-15 WATER SOLUBLE FERTILIZER
    - SEED RATE PER LEGEND

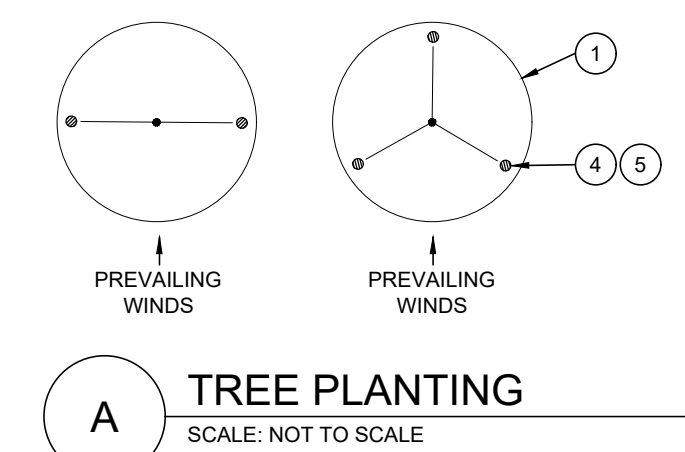
- I. MULCH:**
1. INSTALL MULCH TOPDRESSING, TYPE AND DEPTH PER MULCH NOTE, IN ALL PLANTING AREAS AND WORK AREAS.
  2. DO NOT INSTALL MULCH WITHIN 6" OF A TREE ROOT FLARE AND WITHIN 24" OF HABITABLE STRUCTURES, EXCEPT AS MAY BE NOTED ON THESE PLANS. MULCH COVER WITHIN 6" OF CONCRETE WALKS AND CURBS SHALL NOT BE LESS THAN 2" DEEP. MULCH COVER WITHIN 6" OF THE SURFACE OF DRIVEWAYS AND CURBS, MULCH COVER WITHIN 12" OF WALLS SHALL BE AT LEAST 3" DEEPER THAN THE TOP OF WALL.
- II. CLEAN UP:**
1. DURING LANDSCAPE PREPARATION AND PLANTING, KEEP ALL PAYMENT CLEAN AND ALL WORK AREAS IN A NEAT, ORDERLY CONDITION.
  2. DISPOSED LEGALLY OF ALL EXCAVATED MATERIALS OFF THE PROJECT SITE.
  3. UPON COMPLETION OF THE WORK, THE LANDSCAPE CONTRACTOR SHALL PROVIDE THE SITE CLEAN, FREE OF DEBRIS AND TRASH, AND SUITABLE FOR USE AS INTENDED. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER REMOVAL OF ALL DEBRIS AND TRASH FROM THE PROJECT SITE.
  4. WHEN THE INSPECTED PLANTING WORK DOES NOT COMPLY WITH THE CONTRACT DOCUMENTS, THE LANDSCAPE CONTRACTOR SHALL REPLACE AND/OR REPAIR THE REJECTED WORK TO THE OWNER'S SATISFACTION WITHIN THE GUARANTEE PERIOD.
  5. THE LANDSCAPE MAINTENANCE PERIOD WILL NOT COMMENCE UNTIL THE LANDSCAPE WORK HAS BEEN RE-INSPECTED BY THE OWNER AND FOUND TO BE ACCEPTABLE. AT THAT TIME, A WRITTEN NOTICE OF ACCEPTANCE WILL BE ISSUED BY THE OWNER, AND THE MAINTENANCE AND GUARANTEE PERIODS WILL COMMENCE.
- J. LANDSCAPE MAINTENANCE:**
1. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL WORK SHOWN ON THESE PLANS FOR 90 DAYS BEYOND FINAL ACCEPTANCE OF ALL LANDSCAPE WORK BY THE OWNER. LANDSCAPE MAINTENANCE SHALL INCLUDE WEEKLY SITE VISITS FOR THE FOLLOWING ACTIONS (AS APPLICABLE): PRUNING, PRUNING, RESTAING OF TREES, SETTING OF PLANTS THAT HAVE SEDED, MOWING AND AERATION OF LAWNS, LAWN WEEDING, RESEEDING AREAS WHICH HAVE NOT GERMINATED, TREATING FOR INSECTS AND DISEASES, REPLACEMENT OF MULCH, REMOVAL OF LITTER, REPAIRS TO THE IRRIGATION SYSTEM DUE TO FAULTY PARTS AND/OR WORKMANSHIP, AND THE APPROPRIATE MAINTENANCE OF ALL PARTS OF THE IRRIGATION SYSTEM. THE LANDSCAPE CONTRACTOR SHALL MAINTAIN THE IRRIGATION SYSTEM IN PROPER WORKING ORDER, WITH SCHEDULING ADJUSTMENTS BY SEASON TO MAXIMIZE WATER CONSERVATION.
  2. ALL SOODED AREAS NOT COVERED BY AN AUTOMATIC IRRIGATION SYSTEM, THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING THESE AREAS AND OBTAINING A FULL, HEALTHY STAND OF PLANTS AT NO ADDITIONAL COST TO THE OWNER.
  3. TO ACHIEVE FINAL ACCEPTANCE AT THE END OF THE MAINTENANCE PERIOD, ALL OF THE FOLLOWING CONDITIONS MUST OCCUR:
    - a. THE LANDSCAPE SHALL SHOW ACTIVE, HEALTHY GROWTH (WITH EXCEPTIONS MADE FOR SEASONAL DORMANCY) AND ALL PLANTS SHALL BE FULLY ESTABLISHED AND NOT BE REJECTED AND REPLACED BY HEALTHY PLANT MATERIAL PRIOR TO FINAL ACCEPTANCE.
    - b. ALL HARDSCAPE SHALL BE CLEANED PRIOR TO FINAL ACCEPTANCE.
    - c. SOODED AREAS MUST BE ACTIVE AND GROWING TO A MINIMUM HEIGHT OF 1 1/2 INCHES BEFORE FIRST MOWING. HYDROCULMATED AREAS SHALL SHOW ACTIVE, HEALTHY GROWTH. BARE AREAS LARGER THAN TWELVE SQUARE INCHES MUST BE RESEDED OR RESEEDED (AS APPROPRIATE) PRIOR TO FINAL ACCEPTANCE. ALL SOODED TURF SHALL BE NEATLY MOWED.
- K. WARRANTY PERIOD, PLANT GUARANTEE AND REPLACEMENTS:**
1. THE LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL TREES, SHRUBS, PERENNIALS, SOO, SEED, HYDROCULMATED AREAS, AND IRRIGATION SYSTEMS FOR A PERIOD OF ONE YEAR FROM THE DATE OF THE OWNER'S FINAL ACCEPTANCE (90 DAYS FOR ANNUAL PLANTS). THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ANY PLANTS THAT DO NOT SURVIVE OR ARE DAMAGED BY THE ELEMENTS IN THAT TIME, OR REPAIR ANY PORTIONS OF THE IRRIGATION SYSTEM WHICH OPERATE IMPROPERLY.
  2. AFTER THE INITIAL MAINTENANCE PERIOD AND DURING THE GUARANTEE PERIOD, THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ANY PLANTS THAT DO NOT SURVIVE OR ARE DAMAGED. CANNOT BE ATTRIBUTED DIRECTLY TO OVERWATERING OR OTHER DAMAGE BY HUMAN ACTIONS.
- PROVIDE A MINIMUM OF (2) COPIES OF RECORD DRAWINGS TO THE OWNER UPON COMPLETION OF WORK. A RECORD DRAWING IS A SET OF DRAWINGS THAT ARE IDENTICAL TO THE ORIGINAL DRAWINGS AND ARE DOCUMENTED THROUGH CHANGE ORDERS, ADDENDA, OR CONTRACTOR/CONSULTANT DRAWING MARKUPS.

**NOTE**

An automatic irrigation system will be provided for all landscaping." and "Required landscaping must be permanently maintained in a healthy growing condition at all times. The property owner is responsible for regular weeding, mowing of grass, irrigating, fertilizing, pruning and other permanent maintenance of all plantings, as needed.



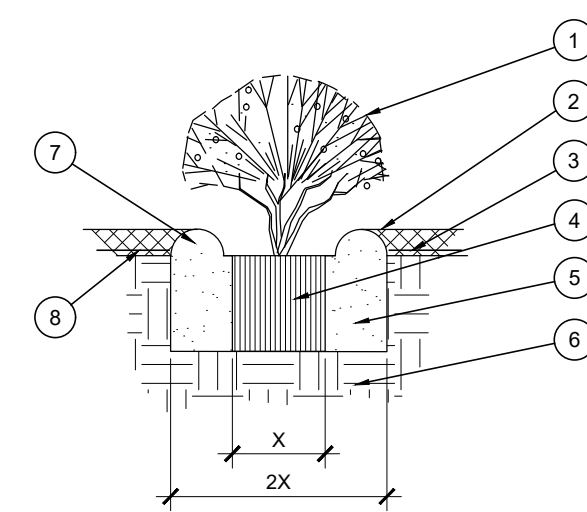
### STAKING EXAMPLES (PLAN VIEW)



- 1 TRUNK CANOPY.
- 2 CINCCH-TIES (24" BOX TREES AND SMALLER) OR 12 GAUGE GALVANIZED WIRE WITH NYLON TREE STRAPS AT TREE AND STAKE (36" BOX TREES AND LARGER). SECURE TIES OR STRAPS TO TRUNK JUST ABOVE LOWEST MAJOR BRANCHES.
- 3 24" X 3/4" P.V.C. MARKERS OVER WIRES.
- 4 GREEN TIE T-POSTS. EXTEND POSTS 12" MIN. INTO UNDISTURBED SOIL.
- 5 PRESSURE-TREATED WOOD DEADMAN, TWO PER TREE (MIN.). BURY OUTSIDE OF PLANTING PIT AND 18" MIN. INTO UNDISTURBED SOIL.
- 6 TRUNK FLARE.
- 7 MULCH, TYPE AND DEPTH PER PLANS. DO NOT PLACE MULCH WITHIN 6" OF TRUNK
- 8 WEED FABRIC UNDER MULCH.
- 9 ROOT BALL.
- 10 BACKFILL. AMEND AND FERTILIZE ONLY AS RECOMMENDED IN SOIL FERTILITY ANALYSIS.
- 11 UNDISTURBED NATIVE SOIL.
- 12 4" HIGH EARTHEN WATERING BASIN.
- 13 FINISH GRADE.

## TREE PLANTING

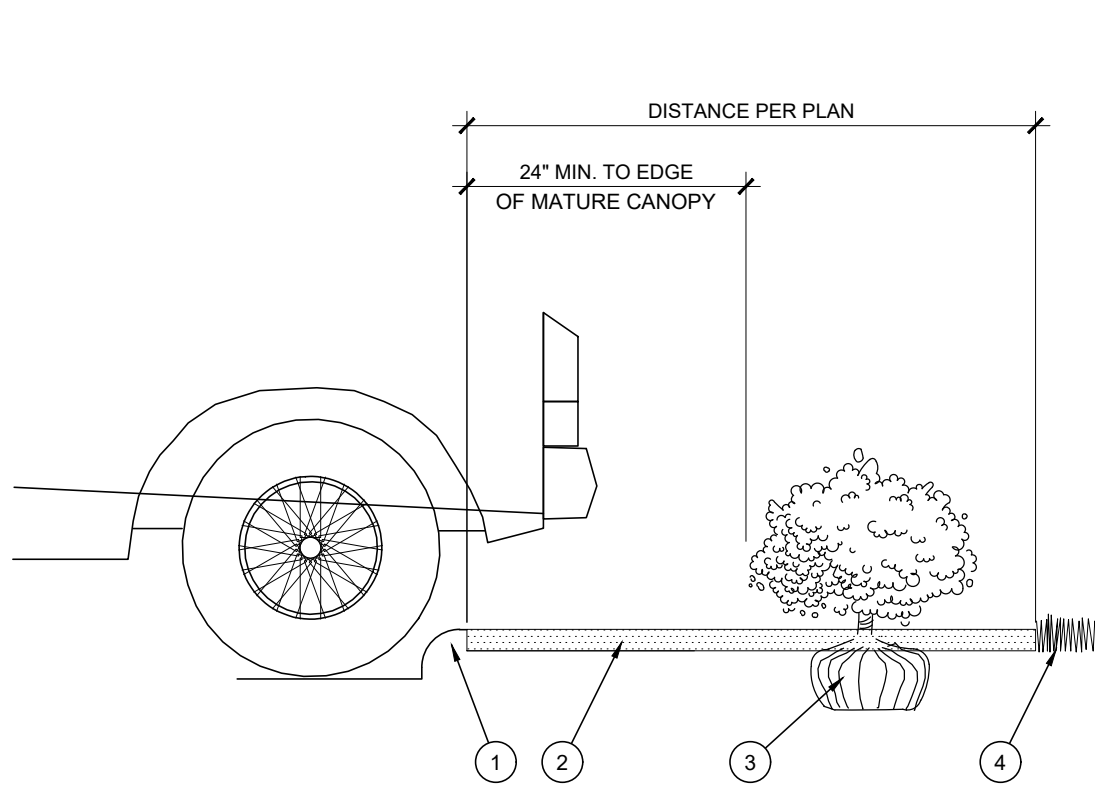
SCALE: NOT TO SCALE



- 1 SHRUB, PERENNIAL, OR ORNAMENTAL GRASS.
- 2 MULCH, TYPE AND DEPTH PER PLANS. PLACE MORE THAN 1" OF MULCH WITHIN 6" OF PLANT CENTER.
- 3 FINISH GRADE.
- 4 ROOT BALL.
- 5 BACKFILL. AMEND AND FERTILIZE ONLY AS RECOMMENDED IN SOIL FERTILITY ANALYSIS.
- 6 UNDISTURBED NATIVE SOIL.
- 7 3" HIGH EARTHEN WATERING BASIN.
- 8 WEED FABRIC UNDER MULCH.

## SHRUB AND PERENNIAL PLANTING

SCALE: NTS



- ① CURB.
- ② MULCH LAYER.
- ③ PLANT.
- ④ TURF (WHERE SHOWN ON PLAN)

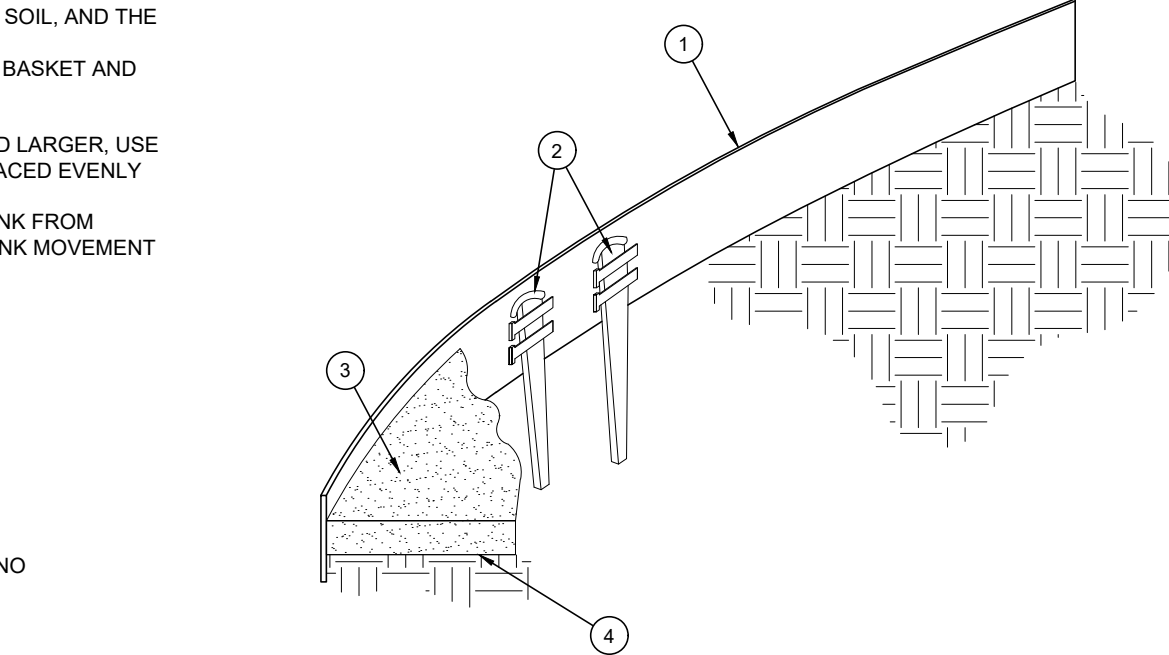
## HEDGE PLANTING AT PARKING AREA

SCALE: NOT TO SCALE

### PLANT SPACING

SCALE: NTS

EXAMPLE: PLANTS AT 18" O.C. IN 100 SF OF PLANTING AREA =  $100/2.25 = 44$  PLANTS



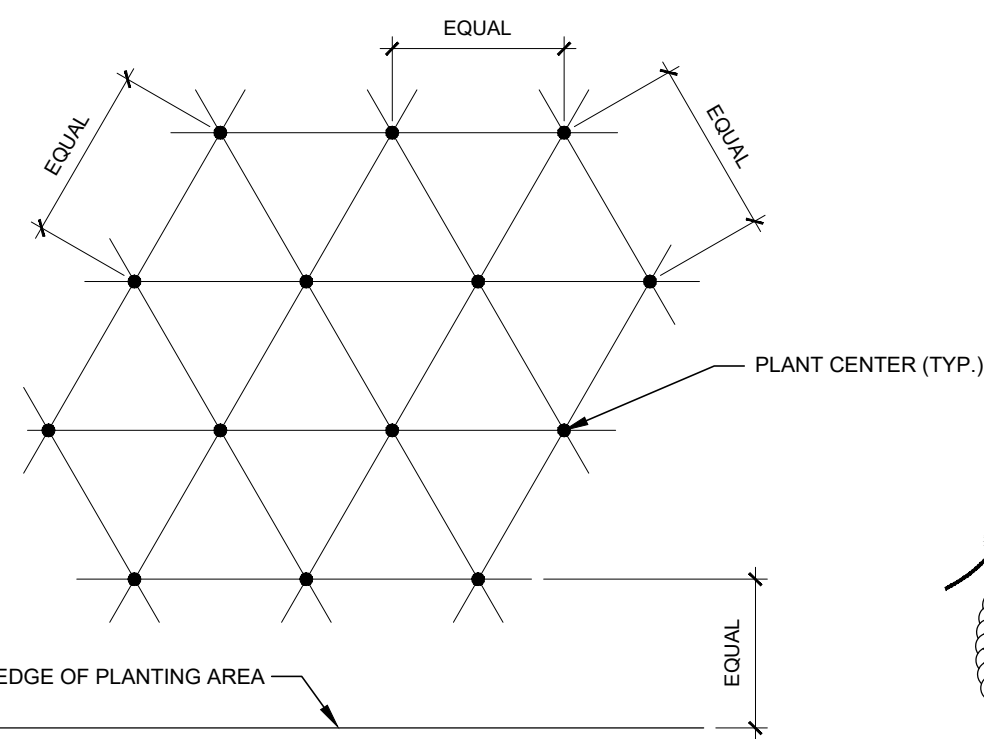
- ① STEEL EDGING PER PLANS.
- ② TAPERED STEEL STAKES.
- ③ MULCH, TYPE AND DEPTH PER PLANS.
- ④ FINISH GRADE.

NOTES:

- NOTES:
- 1) INSTALL EDGING SO THAT STAKES WILL BE ON INSIDE OF PLANTING BED.
  - 2) BOTTOM OF EDGING SHALL BE BURIED A MINIMUM OF 1" BELOW FINISH GRADE.
  - 3) TOP OF MULCH SHALL BE 1" LOWER THAN TOP OF EDGING.

## STEEL EDGING

SCALE: NOT TO SCALE



NOTE: ALL PLANTS SHALL BE PLANTED AT EQUAL TRIANGULAR SPACING (EXCEPT WHERE SHOWN ON PLANS AS INFORMAL GROUPINGS). REFER TO PLANT LEGEND FOR SPACING DISTANCE BETWEEN PLANTS.

| PLANT SPACING | AREA DIVIDER<br>TO DETERMINE NO. OF PLANTS |
|---------------|--------------------------------------------|
| 6"            | 0.25                                       |
| 8"            | 0.45                                       |
| 10"           | 0.69                                       |
| 12"           | 1                                          |
| 15"           | 1.56                                       |
| 18"           | 2.25                                       |
| 24"           | 4                                          |
| 30"           | 6.25                                       |
| 36"           | 9                                          |

05/24/2022



TEXAS REGISTRATION #1419



**CLAY MOORE**  
**ENGINEERING**

**McIVER FLOWER MOUND  
FLOWER MOUND, TX**

| No. | DATE | REVISION | BY |
|-----|------|----------|----|
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|     |      |          |    |
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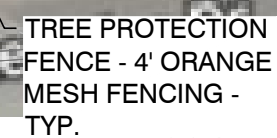
## LANDSCAPE DETAILS & SPECIFICATIONS

|          |            |
|----------|------------|
| DESIGN:  | CLC        |
| DRAWN:   | RDS        |
| CHECKED: | CLC        |
| DATE:    | 06/02/2021 |
| SHEET    |            |

LP-2

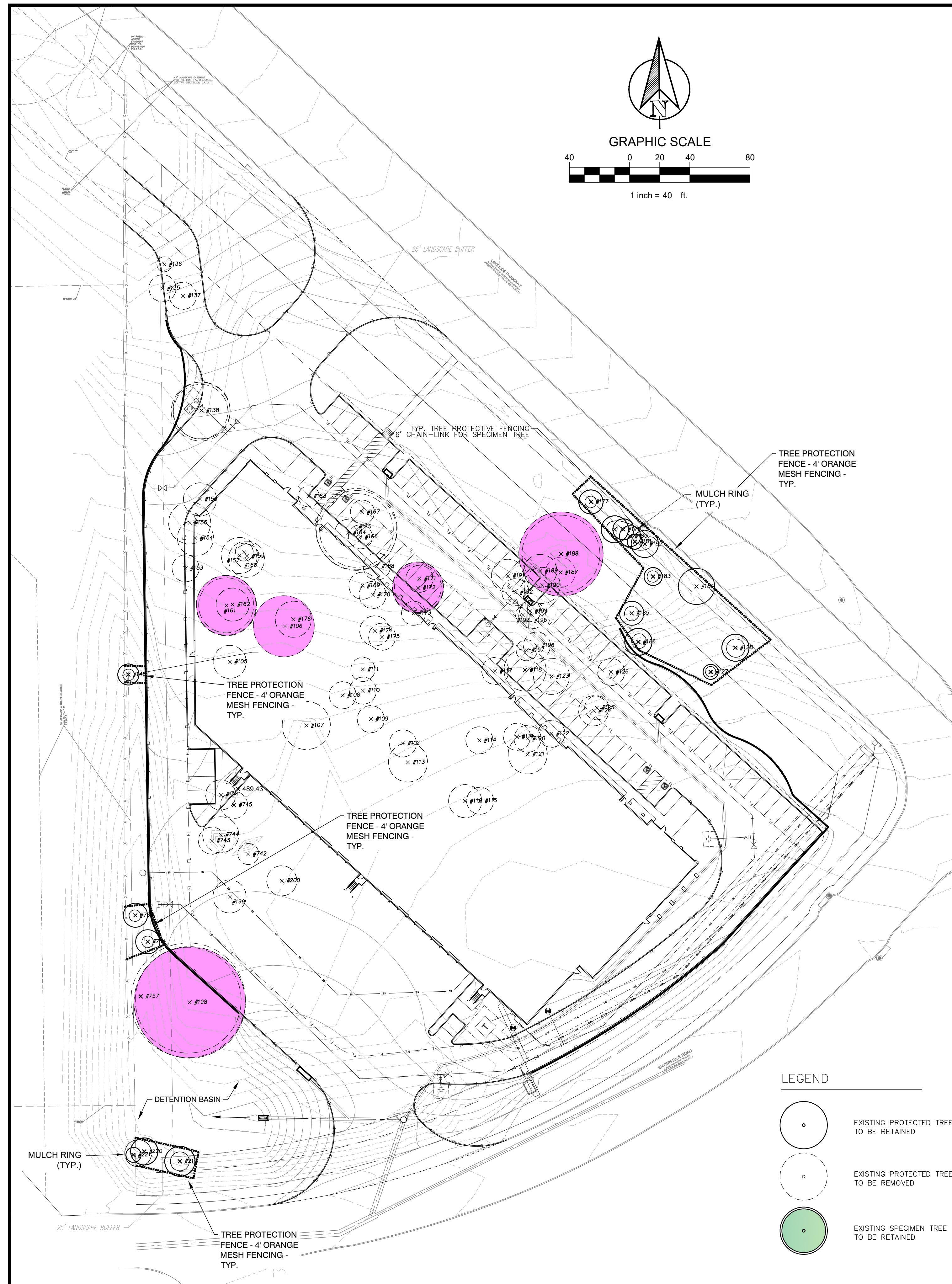
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| File No. | 2020-148 |
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| Tag #                      | DBH                 | Common Name       | Scientific name   | Designation | Status   | Mitigation | Preservation Credits | Location      |
|----------------------------|---------------------|-------------------|-------------------|-------------|----------|------------|----------------------|---------------|
| 104                        | 13                  | Cedar Elm         | Ulmus crassifolia | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 105                        | 14                  | Post Oak          | Quercus stellata  | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 106                        | 36                  | Post Oak - MT     | Quercus stellata  | Specimen    | Removed  | Yes        | -24                  | Buildabe Area |
| 107                        | 20                  | Post Oak          | Quercus stellata  | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 108                        | 11                  | Cedar Elm         | Ulmus crassifolia | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 109                        | 11                  | Cedar Elm         | Ulmus crassifolia | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 110                        | 11                  | Ash               | Fraxinus sp.      | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 111                        | 10                  | Ash               | Fraxinus sp.      | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 112                        | 12                  | Cedar Elm         | Ulmus crassifolia | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 113                        | 17                  | Cedar Elm - MT    | Ulmus crassifolia | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 114                        | 12                  | Cedar Elm         | Ulmus crassifolia | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 115                        | 12                  | Cedar Elm         | Ulmus crassifolia | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 116                        | 14                  | Cedar Elm         | Ulmus crassifolia | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 117                        | 12                  | Cedar Elm         | Ulmus crassifolia | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 118                        | 18                  | Cedar Elm         | Ulmus crassifolia | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 119                        | 12                  | Cedar Elm         | Ulmus crassifolia | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 120                        | 12                  | Cedar Elm         | Ulmus crassifolia | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 121                        | 17                  | Post Oak          | Quercus stellata  | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 122                        | 12                  | Cedar Elm         | Ulmus crassifolia | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 123                        | 16                  | Cedar Elm         | Ulmus crassifolia | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 124                        | 13                  | Cedar Elm         | Ulmus crassifolia | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 125                        | 10                  | Cedar Elm         | Ulmus crassifolia | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 126                        | 11                  | Ash               | Fraxinus sp.      | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 127                        | 6                   | Pecan             | Carya illinoensis | Protected   | Retained |            | 1                    | Buildabe Area |
| 128                        | 12                  | Cedar Elm         | Ulmus crassifolia | Protected   | Retained |            |                      | Buffer        |
| 138A                       | 12                  | Cedar Elm         | Ulmus crassifolia | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 138B                       | 12                  | Cedar Elm         | Ulmus crassifolia | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 138C                       | 9                   | Cedar Elm         | Ulmus crassifolia | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 148                        | 9                   | American Elm      | Ulmus americana   | Protected   | Retained |            | 1                    | Buildabe Area |
| 153                        | 12                  | Post Oak          | Quercus stellata  | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 154                        | 15                  | Post Oak          | Quercus stellata  | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 155                        | 18                  | Post Oak          | Quercus stellata  | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 156                        | 14                  | Ash - MT          | Fraxinus sp.      | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 157                        | 16                  | Ash               | Fraxinus sp.      | Protected   | Removed  |            | -1                   | Buildabe Area |
| 158                        | 8                   | Ash               | Fraxinus sp.      | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 159                        | 10                  | Ash - MT          | Fraxinus sp.      | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 160                        | 15                  | Post Oak          | Quercus stellata  | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 161                        | 25                  | Post Oak          | Quercus stellata  | Specimen    | Removed  | Yes        | -17                  | Buildabe Area |
| 162                        | 14                  | Ash               | Fraxinus sp.      | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 163                        | 9                   | Ash               | Fraxinus sp.      | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 164                        | 11                  | Cedar Elm         | Ulmus crassifolia | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 165A                       | 17                  | Ash               | Fraxinus sp.      | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 165B                       | 16                  | Ash               | Fraxinus sp.      | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 165C                       | 9                   | Ash               | Fraxinus sp.      | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 166                        | 10                  | Pecan             | Carya illinoensis | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 167                        | 10                  | Pecan             | Carya illinoensis | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 168                        | 11                  | Post Oak          | Quercus stellata  | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 169                        | 12                  | Ash               | Fraxinus sp.      | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 170                        | 11                  | Ash               | Fraxinus sp.      | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 171                        | 11                  | Red Oak           | Quercus buckleyi  | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 172                        | 22                  | Post Oak          | Quercus stellata  | Specimen    | Removed  | Yes        | -15                  | Buildabe Area |
| 173                        | 10                  | Post Oak          | Quercus stellata  | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 174                        | 13                  | Post Oak          | Quercus stellata  | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 175                        | 12                  | Post Oak          | Quercus stellata  | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 176A                       | 10                  | Ash               | Fraxinus sp.      | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 176B                       | 8                   | Ash - MT          | Fraxinus sp.      | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 177                        | 10                  | American Elm      | Ulmus americana   | Protected   | Retained |            |                      | Buffer        |
| 179                        | 9                   | American Elm - MT | Ulmus americana   | Protected   | Retained |            |                      | Buffer        |
| 181                        | 6                   | American Elm      | Ulmus americana   | Protected   | Retained |            |                      | Buffer        |
| 183                        | 8                   | American Elm      | Ulmus americana   | Protected   | Retained |            |                      | Buffer        |
| 186                        | 12                  | American Elm      | Ulmus americana   | Protected   | Retained |            | 1                    | Buildabe Area |
| 187                        | 13                  | Cedar Elm         | Ulmus crassifolia | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 188                        | 30" - 2' @ Junction | Post Oak - MT     | Quercus stellata  | Specimen    | Removed  | Yes        | -20                  | Buildabe Area |
| 189                        | 14                  | Post Oak          | Quercus stellata  | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 190                        | 16                  | Post Oak          | Quercus stellata  | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 191                        | 14                  | Ash               | Fraxinus sp.      | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 192                        | 11                  | Cedar Elm         | Ulmus crassifolia | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 193                        | 7                   | Ash               | Fraxinus sp.      | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 194                        | 9                   | Ash               | Fraxinus sp.      | Protected   | Removed  | n/a        |                      |               |
| 195                        | 11                  | Ash               | Fraxinus sp.      | Protected   | Removed  | n/a        |                      |               |
| 196                        | 11                  | Ash               | Fraxinus sp.      | Protected   | Removed  | n/a        |                      |               |
| 197                        | 9                   | Ash               | Fraxinus sp.      | Protected   | Removed  | n/a        |                      |               |
| 198A                       | 36                  | Pecan             | Carya illinoensis | Specimen    | Removed  | Yes        | -24                  | Buildabe Area |
| 198B                       | 15                  | Pecan             | Carya illinoensis | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 199                        | 14                  | Cedar Elm         | Ulmus crassifolia | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 200                        | 13                  | Post Oak          | Quercus stellata  | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 219                        | 13                  | American Elm      | Ulmus americana   | Protected   | Retained |            |                      | Buffer        |
| 220                        | 11                  | American Elm      | Ulmus americana   | Protected   | Retained |            | 1                    | Buildabe Area |
| 221                        | 6                   | American Elm - MT | Ulmus americana   | Protected   | Retained |            | 1                    | Buildabe Area |
| 742                        | 9                   | Cedar Elm         | Ulmus crassifolia | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 743                        | 11                  | Cedar Elm         | Ulmus crassifolia | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 744                        | 15                  | Ash               | Fraxinus sp.      | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 745                        | 12                  | Cedar Elm         | Ulmus crassifolia | Protected   | Removed  | Yes        | -1                   | Buildabe Area |
| 764                        | 10                  | American Elm      | Ulmus americana   | Protected   | Retained |            | 1                    | Buildabe Area |
| 766                        | 10                  | American Elm      | Ulmus americana   | Protected   | Retained |            | 1                    | Buildabe Area |
| Required Mitigation Trees: |                     | 156               |                   |             |          |            |                      |               |

## MITIGATION FOR REMOVAL OF EXISTING TREES

156 REQUIRED MITIGATION TREES TO BE PAID CASH-IN-LIEU  
156 x \$375 = \$58,500



|          |           |
|----------|-----------|
| DESIGN:  | CLO       |
| DRAWN:   | RDS       |
| CHECKED: | CLO       |
| DATE:    | 06/02/202 |
| SHEET    |           |

# TREE SURVEY

TD-2

File No. 2020-148



TREE PROTECTION SPECIFICATIONS

MATERIALS

1. FABRIC: 4 FOOT HIGH ORANGE PLASTIC FENCING AS SHOWN ON THE PLANS AND SHALL BE WOVEN WITH 2 INCH MESH OPENINGS SUCH THAT IN A VERTICAL DIMENSION OF 23 INCHES ALONG THE DIAGONALS OF THE OPENINGS THERE SHALL BE AT LEAST 7 MESHES.
2. POSTS: POSTS SHALL BE A MINIMUM OF 72 INCHES LONG AND STEEL T-SHAPED WITH A MINIMUM WEIGHT OF 1.3 POUNDS PER LINEAR FOOT.
3. TIE WIRE: WIRE FOR ATTACHING THE FABRIC TO THE T-POSTS SHALL BE NOT LESS THAN NO. 12 GAUGE GALVANIZED WIRE.
4. USED MATERIALS: PREVIOUSLY-USED MATERIALS, MEETING THE ABOVE REQUIREMENTS AND WHEN APPROVED BY THE OWNER, MAY BE USED.

CONSTRUCTION METHODS

ALL TREES AND SHRUBS (SHOWN TO REMAIN) WITHIN THE PROXIMITY OF THE CONSTRUCTION SITE SHALL BE PROTECTED PRIOR TO BEGINNING ANY DEVELOPMENT ACTIVITY.

EMPLOY THE SERVICES OF AN ISA (INTERNATIONAL SOCIETY OF ARBORICULTURE) CERTIFIED ARBORIST (AND OBTAIN ALL REQUIRED PERMITS) TO PRUNE THE EXISTING TREES FOR CLEANING, RAISING AND THINNING. ENSURE ALL TREES RECEIVE A COMMERCIAL-GRADE ROOT STIMULATOR APPLICATION AFTER PRUNING.

PROTECTIVE FENCING SHALL BE ERECTED OUTSIDE THE DRIPLINE AT LOCATIONS SHOWN IN THE PLANS OR AS DIRECTED BY THE LANDSCAPE CONSULTANT AND/OR CITY ARBORIST OR IN ACCORDANCE WITH THE DETAILS SHOWN ON THE PLANS AT THE DRIP LINE OF TREES (ROOT PROTECTION ZONE, RPZ) AND/OR LANDSCAPE PLANT MATERIAL INCLUDING NATURAL AREAS. FENCING SHALL BE MAINTAINED AND REPAIRED BY THE CONTRACTOR DURING SITE CONSTRUCTION.

PROTECTIVE FENCE LOCATIONS IN CLOSE PROXIMITY TO STREET INTERSECTIONS OR DRIVES SHALL ADHERE TO THE APPLICABLE JURISDICTION'S SIGHT DISTANCE CRITERIA.

THE PROTECTIVE FENCING SHALL BE ERECTED BEFORE SITE WORK COMMENCES AND SHALL REMAIN IN PLACE DURING THE ENTIRE CONSTRUCTION PHASE.

THE INSTALLATION POSTS WILL BE PLACED EVERY 6 FEET AROUND THE DRIP LINE OR RPZ AND EMBEDDED TO 18 INCHES DEEP. FABRIC ATTACHMENT SHALL BE ATTACHED TO THE INSTALLATION POSTS BY THE USE OF SUFFICIENT WIRE TIES TO SECURELY FASTEN THE FABRIC TO THE T-POSTS TO HOLD THE FABRIC IN A STABLE AND UPRIGHT POSITION.

1. DO NOT CLEAR, FILL OR GRADE IN THE RPZ OF ANY TREE.
2. DO NOT STORE, STOCKPILE OR DUMP ANY JOB MATERIAL, SOIL OR RUBBISH UNDER THE SPREAD OF THE TREE BRANCHES.
3. DO NOT PARK OR STORE ANY EQUIPMENT OR SUPPLIES UNDER THE SPREAD OF THE TREE BRANCHES.
4. DO NOT SET UP ANY CONSTRUCTION OPERATIONS UNDER THE SPREAD OF THE TREE BRANCHES (EX. PIPE CUTTING AND THREADING, MORTAR MIXING, PAINTING OR LUMBER CUTTING).
5. DO NOT NAIL OR ATTACH TEMPORARY SIGNS METERS, SWITCHES, WIRES, BRACING OR ANY OTHER ITEM TO THE TREES.
6. DO NOT PERMIT RUNOFF FROM WASTE MATERIALS INCLUDING SOLVENTS, CONCRETE WASHOUTS, ASPHALT TACK COATS (MC-30 OIL), ETC. TO ENTER THE RPZ. BARRIERS ARE TO BE PROVIDED TO PREVENT SUCH RUNOFF SUBSTANCES FROM ENTERING THE RPZ WHENEVER POSSIBLE, INCLUDING IN AN AREA WHERE RAIN OR SURFACE WATER COULD CARRY SUCH MATERIALS TO THE ROOT SYSTEM OF THE TREE.

ROUTE UNDERGROUND UTILITIES TO AVOID THE RPZ. IF DIGGING IS UNAVOIDABLE, BORE UNDER THE ROOTS, OR HAND DIG TO AVOID SEVERING THEM.

THE CONTRACTOR SHOULD AVOID CUTTING ROOTS LARGER THAN ONE INCH IN DIAMETER WHEN EXCAVATION OCCURS NEAR EXISTING TREES. EXCAVATION IN THE VICINITY OF TREES SHALL PROCEED WITH CAUTION.

REMOVE ALL TREES, SHRUBS OR BUSHES TO BE CLEARED FROM PROTECTED ROOT ZONE AREAS BY HAND.

TREES DAMAGED OR LOST DUE TO CONTRACTOR'S NEGLIGENCE DURING CONSTRUCTION SHALL BE MITIGATED AT THE CONTRACTOR'S EXPENSE AND TO THE PROJECT OWNER'S SATISFACTION.

ANY TREE REMOVAL SHALL BE APPROVED BY THE OWNER PRIOR TO ITS REMOVAL.

COVER EXPOSED ROOTS AT THE END OF EACH DAY WITH SOIL, MULCH OR WET BURLAP.

IN CRITICAL ROOT ZONE AREAS THAT CANNOT BE PROTECTED DURING CONSTRUCTION AND WHERE HEAVY TRAFFIC IS ANTICIPATED, COVER THOSE AREAS WITH EIGHT INCHES OF ORGANIC MULCH TO MINIMIZE SOIL COMPACTION. THIS EIGHT INCH DEPTH OF MULCH SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.

WATER ALL TREES, MOST HEAVILY IMPACTED BY CONSTRUCTION ACTIVITIES, DEEPLY ONCE A WEEK DURING PERIODS OF HOT DRY WEATHER. SPRAY TREE CROWNS WITH WATER PERIODICALLY TO REDUCE DUST ACCUMULATION ON THE LEAVES.

WHEN INSTALLING CONCRETE ADJACENT TO THE ROOT ZONE OF A TREE, USE A PLASTIC VAPOR BARRIER BEHIND THE CONCRETE TO PROHIBIT LEACHING OF LIME INTO THE SOIL.

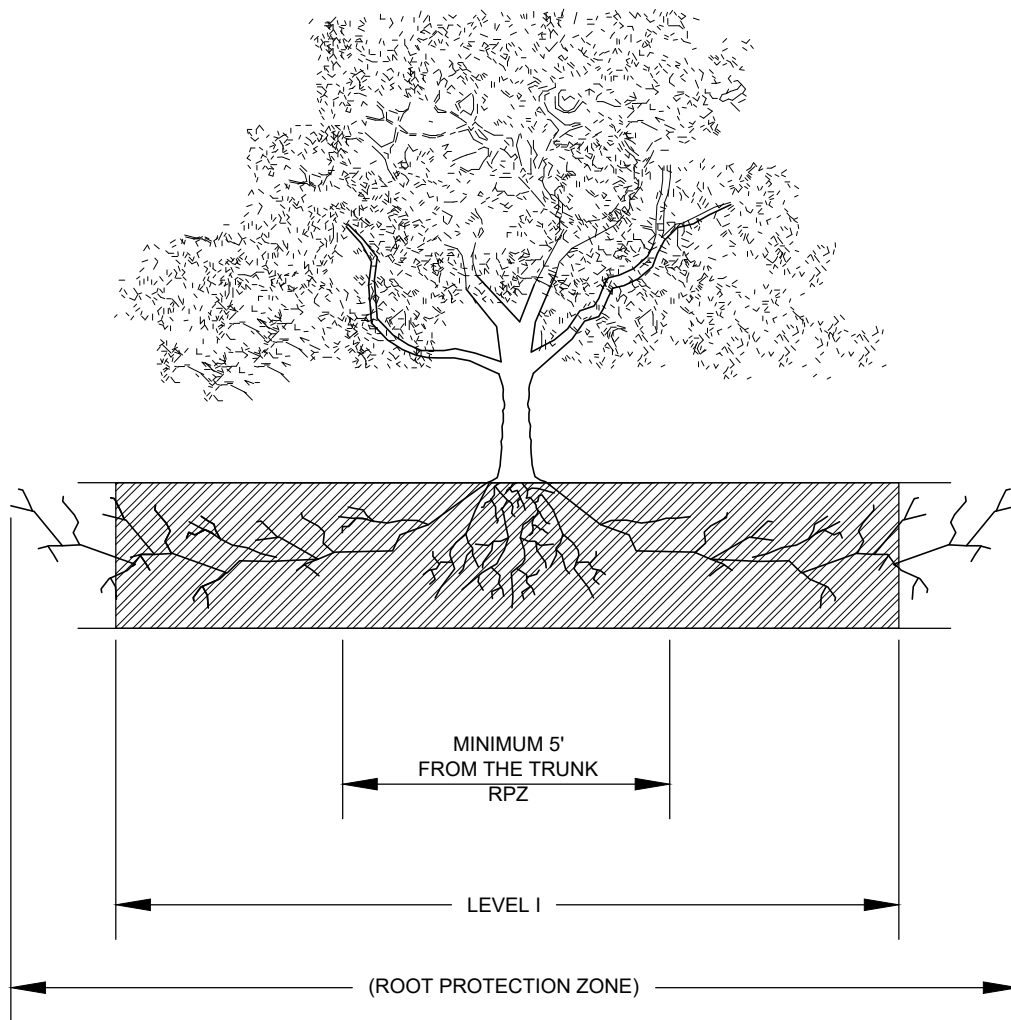
WHEN AN EXCAVATION OR EMBANKMENT IS PLACED WITHIN THE DRIPLINE OF ANY TREE GREATER THAN EIGHT INCHES IN DIAMETER, A TREE WELL SHALL BE CONSTRUCTED TO PROTECT THE TREE AS INDICATED, WHEN THE CUT OR FILL EXCEEDS EIGHT INCHES.

WHERE PAVING OR FILLING IS NECESSARY WITHIN THE DRIPLINE OF ANY TREE EIGHT INCHES OR GREATER, A PERMEABLE PAVEMENT AND AERATION SYSTEM MUST BE INSTALLED.

CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL TREE PROTECTION FENCING WHEN ALL THREATS TO THE EXISTING TREES FROM CONSTRUCTION-RELATED ACTIVITIES HAVE BEEN REMOVED.

TREE PROTECTION REQUIREMENTS

1. A ROOT PROTECTION ZONE WILL BE ESTABLISHED AROUND EACH TREE OR ANY VEGETATION TO BE PRESERVED. THE ROOT PROTECTION ZONE SHALL BE AN AREA DEFINED BY THE RADIUS EXTENDING OUTWARD FROM THE TRUNK OF THE TREE A DISTANCE OF ONE (1) LINEAR FOOT FOR EACH INCH DIAMETER INCH AT BREAST HEIGHT (4.5') OF THE TREE. EXAMPLE: A 10-INCH DIAMETER TREE WILL HAVE A 10 FOOT RADIUS ROOT PROTECTION ZONE.
2. NO WORK SHALL BEGIN WHERE TREE PROTECTION FENCING HAS NOT BEEN COMPLETED AND APPROVED. TREE PROTECTION FENCING SHALL BE INSTALLED, MAINTAINED AND REPAIRED BY THE CONTRACTOR DURING CONSTRUCTION. THE FENCING WILL BE A MINIMUM OF 4' HEIGHT.
3. ALL ROOTS LARGER THAN ONE-INCH IN DIAMETER ARE TO BE CUT CLEANLY. FOR OAKS ONLY, ALL WOUNDS SHALL BE PAINTED WITH WOUND SEALER WITHIN 30 MINUTES.
4. EXPOSED ROOTS SHALL BE COVERED AT THE END OF THE WORK DAY USING TECHNIQUES SUCH AS COVERING WITH SOIL, MULCH OR WET BURLAP.
5. NO EQUIPMENT, VEHICLES OR MATERIALS SHALL BE OPERATED OR STORED WITHIN THE ROOT PROTECTION ZONE. NO CLEAN-OUT AREAS WILL BE CONSTRUCTED SO THAT THE MATERIAL WILL BE IN OR MIGRATE TO THE ROOT PROTECTION ZONE.
6. NO GRADE CHANGE MORE THAN 3" IS ALLOWED WITHIN THE ROOT PROTECTION ZONE.
7. ROOTS OR BRANCHES IN CONFLICT WITH CONSTRUCTION SHALL BE CUT CLEANLY ACCORDING TO PROPER PRUNING METHODS. ALL WOUNDS SHALL BE PAINTED WITHIN 30 MINUTES TO PREVENT OAK WILT INFECTION (OAK TREES ONLY).
8. ANY TREE REMOVAL SHALL BE APPROVED BY THE LOCAL JURISDICTION'S ARBORIST.
9. TREES WHICH ARE DAMAGED OR LOST DUE TO THE CONTRACTOR'S NEGLIGENCE DURING CONSTRUCTION SHALL BE REPLACED WITH TREE QUANTITIES AND SIZES ACCEPTABLE TO THE LOCAL JURISDICTION.
10. TREES MUST BE MAINTAINED IN GOOD HEALTH THROUGHOUT THE CONSTRUCTION PROCESS. MAINTENANCE MAY INCLUDE WATERING THE ROOT PROTECTION ZONE AND/OR WASHING FOLIAGE.
11. NO WIRES, NAILS OR OTHER MATERIALS MAY BE ATTACHED TO PROTECTED TREES.
12. THE ROOT PROTECTION ZONE SHALL BE PRESERVED AT NATURAL GRADE. NO CUTTING, FILLING, TRENCHING, ROOT DISTURBANCE, SOIL DISTURBANCE, OR CONSTRUCTION SHALL OCCUR CLOSER TO THE TRUNK THAN ONE-HALF (1/2) THE ROOT PROTECTION ZONE RADIUS EXCEPT IN PARKING AREAS, WHERE APPROVED ALTERNATIVE MATERIALS AND METHODS MAY BE USED AND CONSTRUCTION MAY OCCUR AS CLOSE AS FIVE (5) FEET FROM THE ROOT FLARES ON ONE SIDE OF THE TREE. NATIVE UNDERSTORY VEGETATION WITHIN THE ROOT PROTECTION ZONE SHALL BE PRESERVED, HOWEVER THE REQUIREMENT DOES NOT APPLY TO ROOT PROTECTION ZONE AREAS THAT HAVE BEEN LANDSCAPED. THE ROOT PROTECTION ZONE MAY BE SHIFTED AND CLUSTERED AS LONG AS THERE IS NO CONSTRUCTION CLOSER TO THE TRUNK THAN ONE-HALF (1/2) THE ROOT PROTECTION ZONE RADIUS. THE CONSTRUCTION OF SIDEWALKS SHALL BE ALLOWED IN THE ROOT PROTECTION ZONE, AS LONG AS EXCAVATION DOES NOT EXCEED THREE (3) INCHES.
13. DURING CONSTRUCTION ACTIVITY ON SITE, AT LEAST A SIX-INCH LAYER OF A COARSE MULCH SHALL BE PLACED AND MAINTAINED OVER THE ROOT PROTECTION ZONE. THE IMPERVIOUS COVER MAY ENCROACH WITHIN THE ROOT PROTECTION ZONE IF SAID ENCROACHMENT IS APPROVED BY THE ARBORIST.



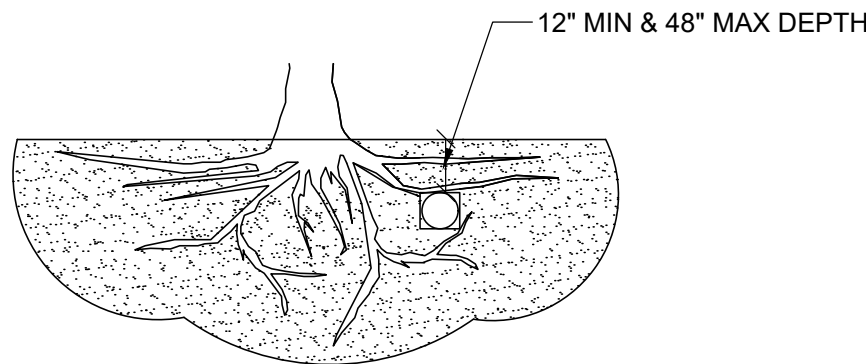
A TREE PROTECTION FENCE - ELEVATION  
SCALE: NOT TO SCALE

TREES THAT ARE MARKED TO BE PRESERVED ON A SITE PLAN AND FOR WHICH UTILITIES MUST PASS THROUGH THEIR ROOT PROTECTION ZONES MAY REQUIRE TUNNELING AS OPPOSED TO OPEN TRENCHES. THE DECISION TO TUNNEL WILL BE DETERMINED ON A CASE BY CASE BASIS BY THE ENGINEER.

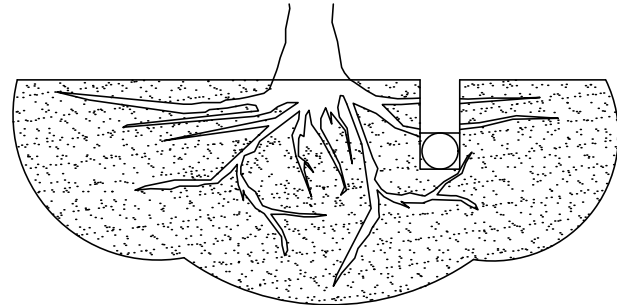
TUNNELS SHALL BE DUG THROUGH THE ROOT PROTECTION ZONE IN ORDER TO MINIMIZE ROOT DAMAGE.

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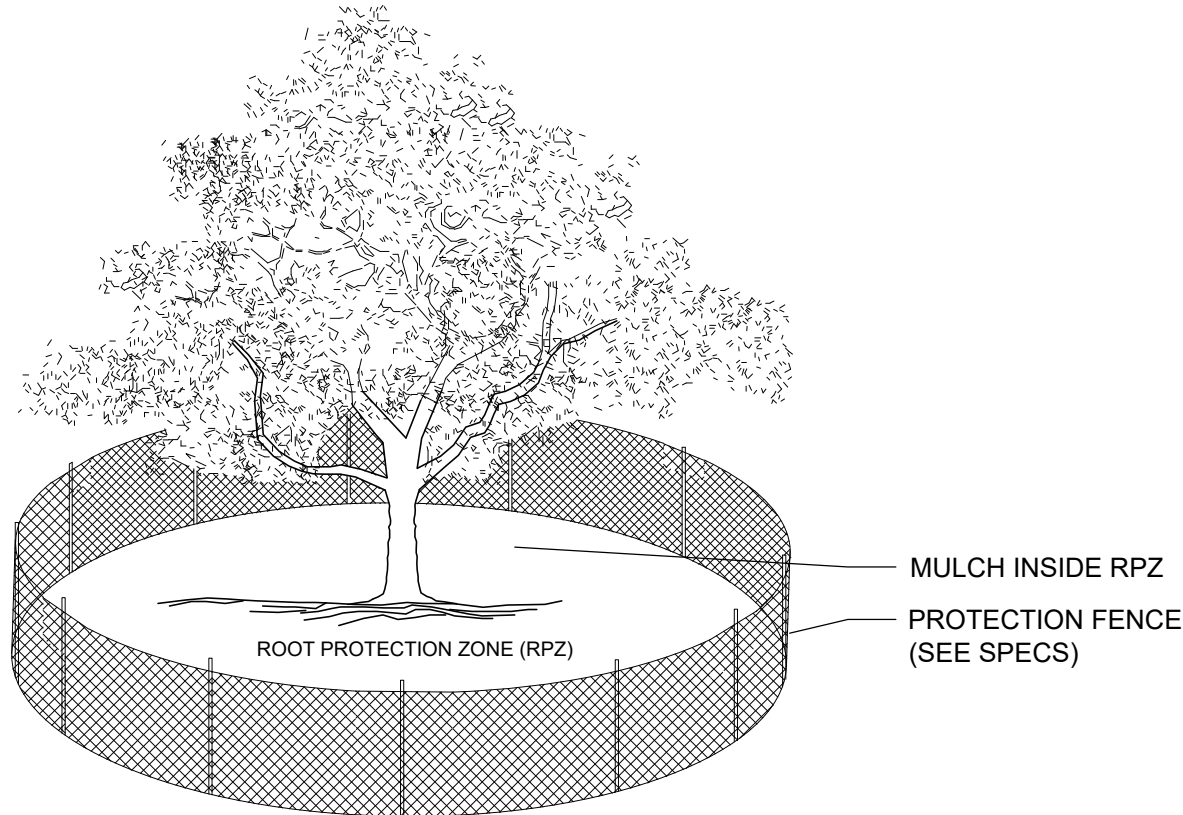
TUNNELS SHALL BE DUG THROUGH THE ROOT PROTECTION ZONE IN ORDER TO MINIMIZE ROOT DAMAGE.



TUNNEL TO MINIMIZE ROOT DAMAGE (TOP) AS OPPOSED TO SURFACE-DUG TRENCHES IN ROOT PROTECTION ZONE WHEN THE 5' MINIMUM DISTANCE FROM TRUNK CAN NOT BE ACHIEVED.



C BORING THROUGH ROOT PROTECTION ZONE  
SCALE: NOT TO SCALE



- NOTES:
1. THE FENCING LOCATION SHOWN ABOVE IS DIAGRAMATIC ONLY AND WILL CONFORM TO THE DRIP LINE AND BE LIMITED TO PROJECT BOUNDARY. WHERE MULTIPLE ADJACENT TREES WILL BE ENCLOSED BY FENCING, THE FENCING SHALL BE CONTINUOUS AROUND ALL TREES. FOR ACCEPTABLE FENCING MATERIALS SEE SPECIFICATIONS.
- 2.

B TREE PROTECTION FENCE  
SCALE: NOT TO SCALE

TEXAS REGISTRATION #14159

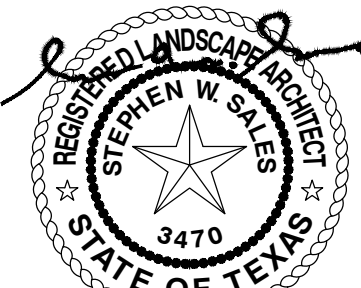
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TREE SURVEY DETAILS &  
SPECIFICATIONS



05/24/2022



|          |            |
|----------|------------|
| DESIGN:  | CLC        |
| DRAWN:   | RDS        |
| CHECKED: | CLC        |
| DATE:    | 06/02/2021 |

SHEET

TD-3

File No. 2020-146



## ENVIRONMENTAL CONSERVATION COMMISSION AGENDA ITEM NO. 1

### WORK SESSION ITEM

**DATE:** July 5, 2022

**FROM:** John Chapman, Planner

**ITEM:** Potential updates to Chapter 94 – Trees, of the Town’s Code of Ordinances

**BACKGROUND INFORMATION:** This work session item provides ECC the opportunity to discuss Chapter 94 of the Town’s Land Development Regulations and to provide recommendations.

Town staff will provide a presentation to discuss retention/detention pond tree requirements, large parking area tree requirements, and potential updates for the following sections contained in Chapter 94 – Trees:

**Section 94-61. Street yard trees.**

- Codify how the number of trees are determined in the event of a fraction.

**Section 94-62. Street buffer trees.**

- Codify Master Plan recommendations for street buffer trees within the Cross Timbers Conservation Development District (CTCDD).
- Recommend a minimum tree spacing requirement.
- Recommend alternative landscaping options for street buffer areas containing utility easements
- Codify how the number of trees are determined in the event of a fraction.

**Section 94-63. Parking area trees.**

- Recommend an exception to parking area trees for Campus Commercial, Campus Industrial, Industrial-1, Industrial-2 for the sole purpose of redevelopment scenarios involving restriping of existing pavement from a large vehicle parking area to employee/customer parking.
  - Recommend mitigation is satisfied by increasing landscaping on the site comparable to the amount of trees required for new parking spaces.
- Recommend a minimum landscape island area equivalent to a parking space (9’ by 18’), minimum tree spacing, and minimum uncompacted soil radius.

**Section 94-66. Approved tree planting lists.**

- Recommend denoting several tree species that are appropriate within the CTCDD.
- Recommend expanding the approved median and right-of-way tree planting list to include: Eve’s Necklace, Yaupon Holly, Carolina Buckthorn, Possum Haw, Plum, and Redbuds/Whitebuds.
- Recommend removing Chinese Pistache from the approved median and right-of-way tree planting list.

**ALTERNATIVES/OPTIONS:**

N/A

**ATTACHMENTS:**

N/A

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