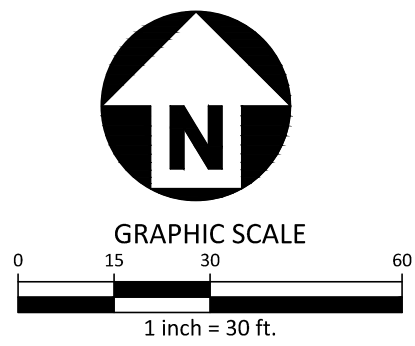


NOTE: NO TREE MITIGATION SHALL BE REQUIRED PER THE 'CASTLE HILLS PLANNED DEVELOPMENT DISTRICT'.



LEGEND

- PROTECTED TREE TO REMAIN
- PROTECTED TREE TO BE REMOVED
- EXISTING TREE CANOPY
- PROTECTED TREE PROTECTION FENCING
REF. L1.01 DETAIL #01

LIST #	TAG #	CALIPER "	COMMON NAME	BOTANICAL NAME	REMOVED	REMARKS	Mitigate	Credits
1	401	14	CEDAR ELM	Ulmus Crassifolia	NO	EX. EASEMENT	0	0
2	402	9	CEDAR ELM	Ulmus Crassifolia	NO	EX. EASEMENT	0	0
3	404	9	CEDAR ELM	Ulmus Crassifolia	YES	EX. EASEMENT	0	0
4	405	18	CEDAR ELM	Ulmus Crassifolia	NO	EX. EASEMENT	0	0
5	407	11.5	CEDAR ELM	Ulmus Crassifolia	NO	EX. EASEMENT	0	0
6	410	8.5	CEDAR ELM	Ulmus Crassifolia	YES	EX. EASEMENT	0	0
					TOTAL		0	0

EXEMPTIONS: Public Utilities - In any existing right-of-way or easement dedicated to a public entity.



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BRIGHT REALTY
4400 STATE HIGHWAY 121, SUITE 900
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FOOTBALL
TREE PRESERVATION PLAN
ZONING: PD-GB 2
SOUTH OF FM 544 & ESSEX BLVD
CITY OF LEWISVILLE, TEXAS, 75056



REVISIONS

NO. DATE

PLAN INFORMATION

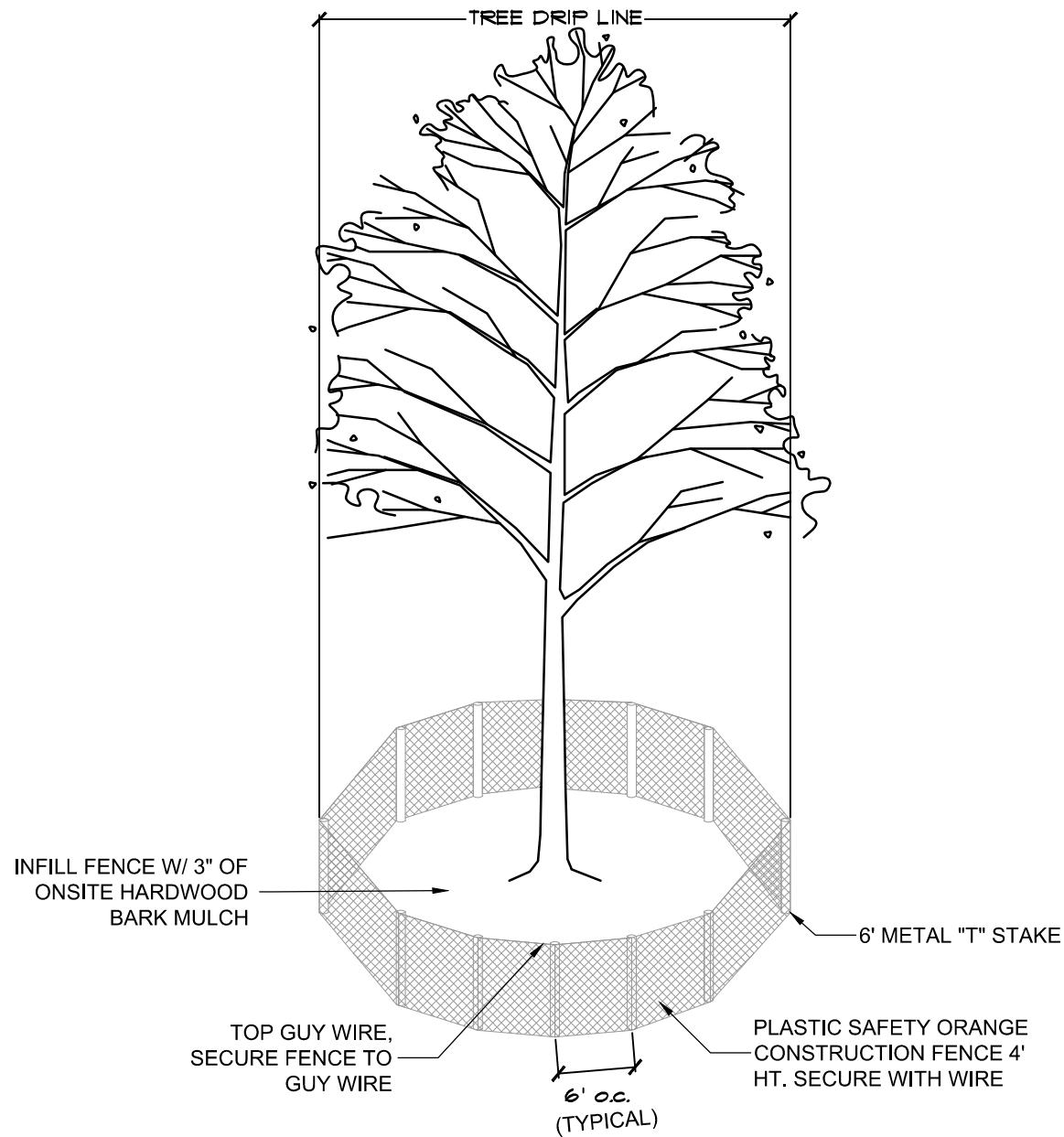
PROJECT NO. BRL24004
FILENAME BRL24004-TS1
CHECKED BY JS
DRAWN BY XD
SCALE 1" = 30'
DATE 02/21/2025

SHEET

TREE PRESERVATION
PLAN

L1.00

NOTE: TREE PROTECTION FENCE MUST BE INSTALLED BEFORE ANY GRADING OR CONSTRUCTION BEGINS. LANDSCAPE ARCHITECT MUST BE NOTIFIED AND PRESENT WHEN ANY WORK IS DONE WITHIN THE TREE PROTECTION FENCE.



1. TREE PROTECTION FENCING

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

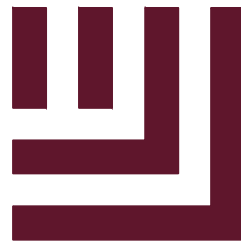
- 1) Personnel Qualifications: All pruning shall be performed under the supervision of an international Society of Arboriculture (ISA) Certified Arborist.
- 2) All trees within the project area shall be pruned to:
 - (i) Clear the crown of diseased, crossing, weak and dead wood to a minimum of 1 ½ inches 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 outlines.
- 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 "T" 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 "airdug" 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 so that remedial action can be taken. Timeliness is critical to tree health. The cost of any remedial treatments will become the burden of the offending contracting company.
- 9) Any grading, construction, demolition, or other work that in expected to encounter tree roots must be monitored by the Landscape Architect. Specific locations or tree tag numbers should be identified.



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CHECKED BY JS
DRAWN BY XD
SCALE N.T.S.
DATE 02/21/2025

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TREE PRESERVATION
NOTES

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