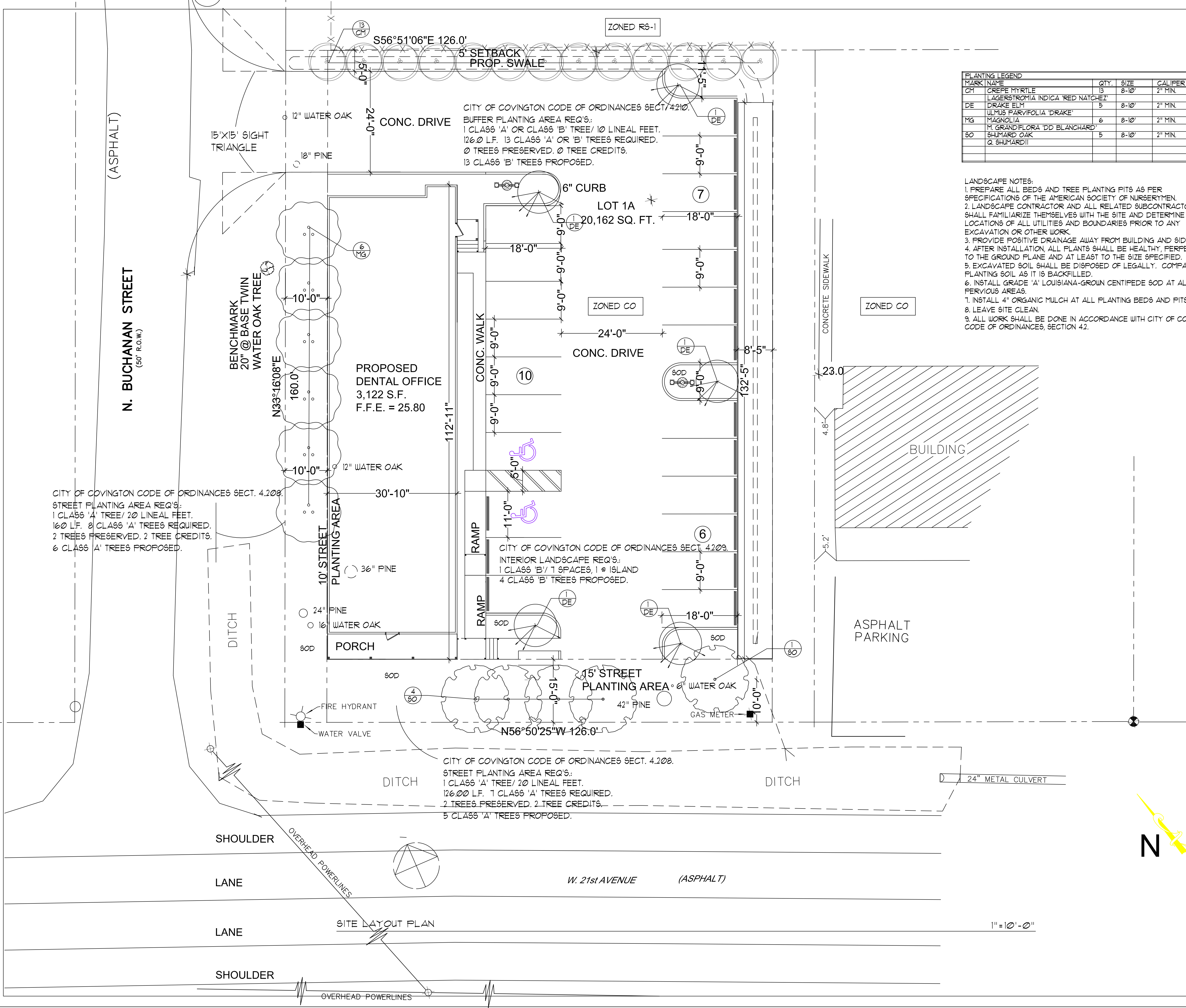




PLANTING LEGEND				
MARK	NAME	QTY.	SIZE	CALIPER INCH
CM	CREPE MYRTLE	13	8-10'	2" MIN.
DE	LAGERSTROMIA INDICA 'RED NATCHEZ'	5	8-10'	2" MIN.
MG	DRAKE ELM	6	8-10'	2" MIN.
SO	ULMUS PARVIFOLIA 'DRAKE'	5	8-10'	2" MIN.
	MAGNOLIA	5	8-10'	2" MIN.
	M. GRANDIFLORA 'DD BLANCHARD'			
	Q. SHUMARDII			

- LANDSCAPE NOTES:
1. PREPARE ALL BEDS AND TREE PLANTING PITS AS PER SPECIFICATIONS OF THE AMERICAN SOCIETY OF NURSERYMEN.
 2. LANDSCAPE CONTRACTOR AND ALL RELATED SUBCONTRACTORS SHALL FAMILIARIZE THEMSELVES WITH THE SITE AND DETERMINE LOCATIONS OF ALL UTILITIES AND BOUNDARIES PRIOR TO ANY EXCAVATION OR OTHER WORK.
 3. PROVIDE POSITIVE DRAINAGE AWAY FROM BUILDING AND SIDEWALKS.
 4. AFTER INSTALLATION, ALL PLANTS SHALL BE HEALTHY, PERPENDICULAR TO THE GROUND PLANE AND AT LEAST TO THE SIZE SPECIFIED.
 5. EXCAVATED SOIL SHALL BE DISPOSED OF LEGALLY. COMPACT PLANTING SOIL, AS IT IS BACKFILLED.
 6. INSTALL GRADE 'A' LOUISIANA-GROWN CENTIPEDE SOD AT ALL PERVIOUS AREAS.
 7. INSTALL 4" ORGANIC MULCH AT ALL PLANTING BEDS AND PITS.
 8. LEAVE SITE CLEAN.
 9. ALL WORK SHALL BE DONE IN ACCORDANCE WITH CITY OF COVINGTON CODE OF ORDINANCES, SECTION 42.

A Landscape Plan for

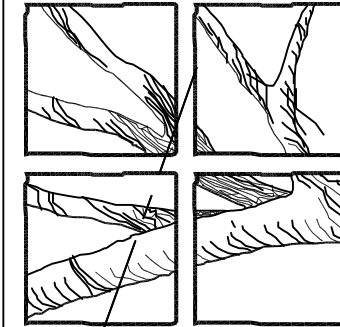
Creative Dental Offices

1120 West 21 Ave Covington, Louisiana

James R. Aultman, AIA

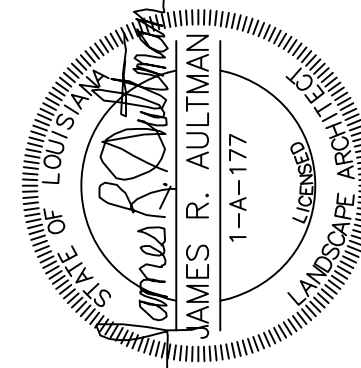
Architecture
Landscape Architecture

223 West 19th Avenue
Covington, Louisiana 70433

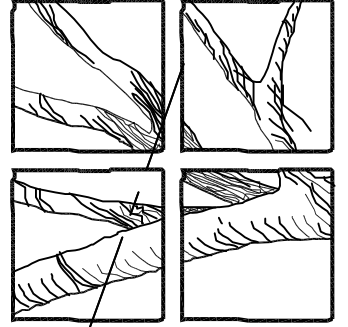


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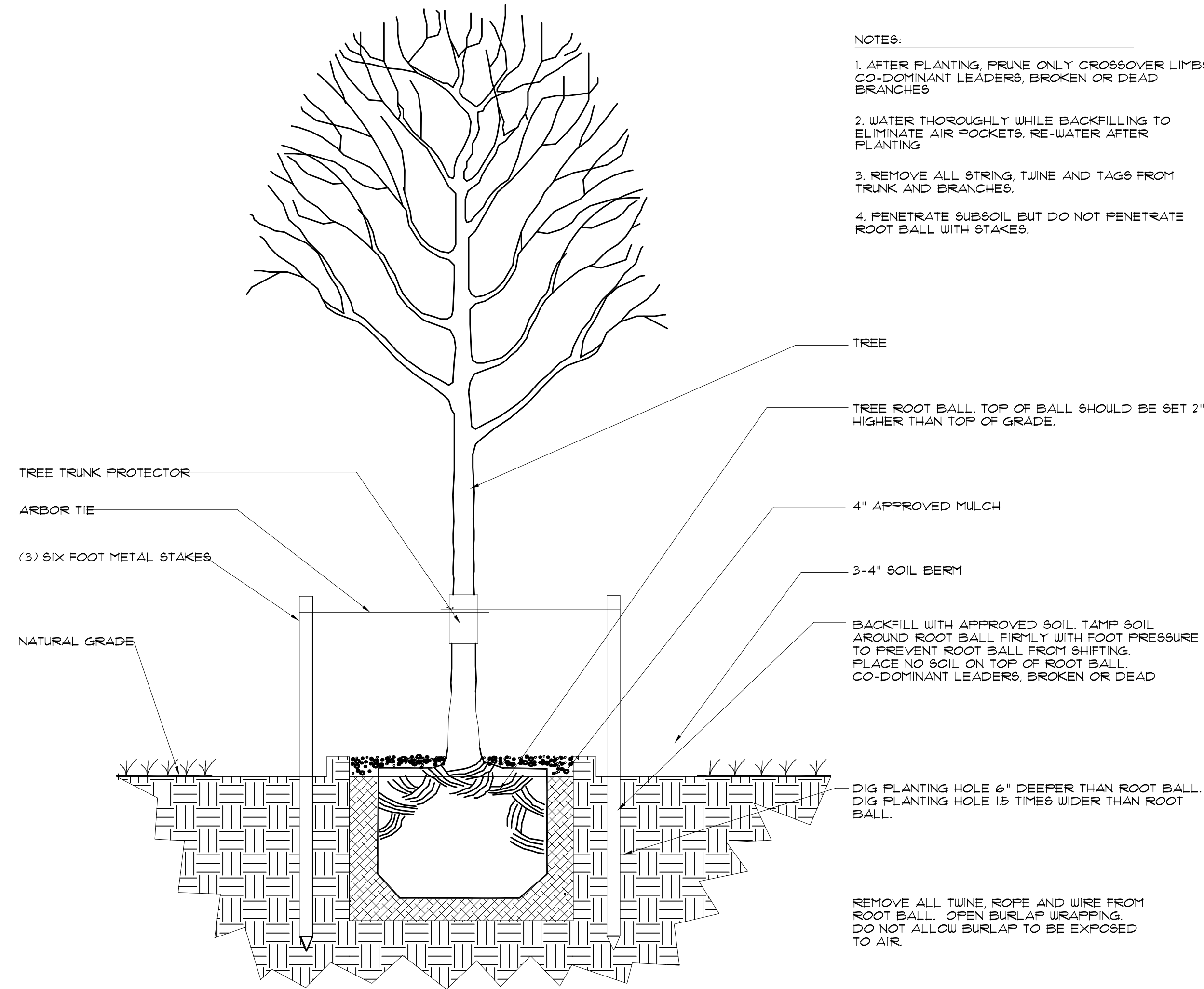


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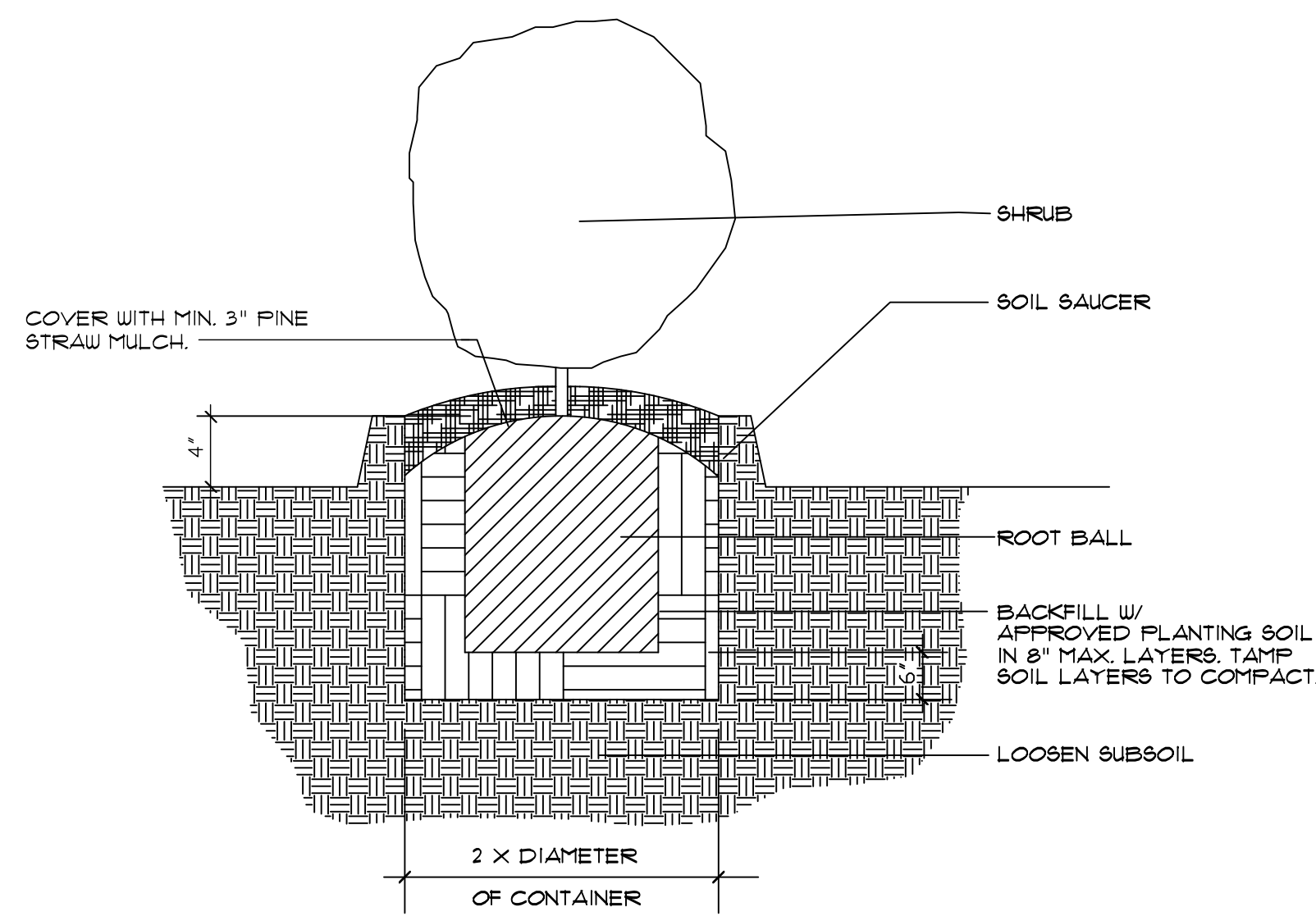
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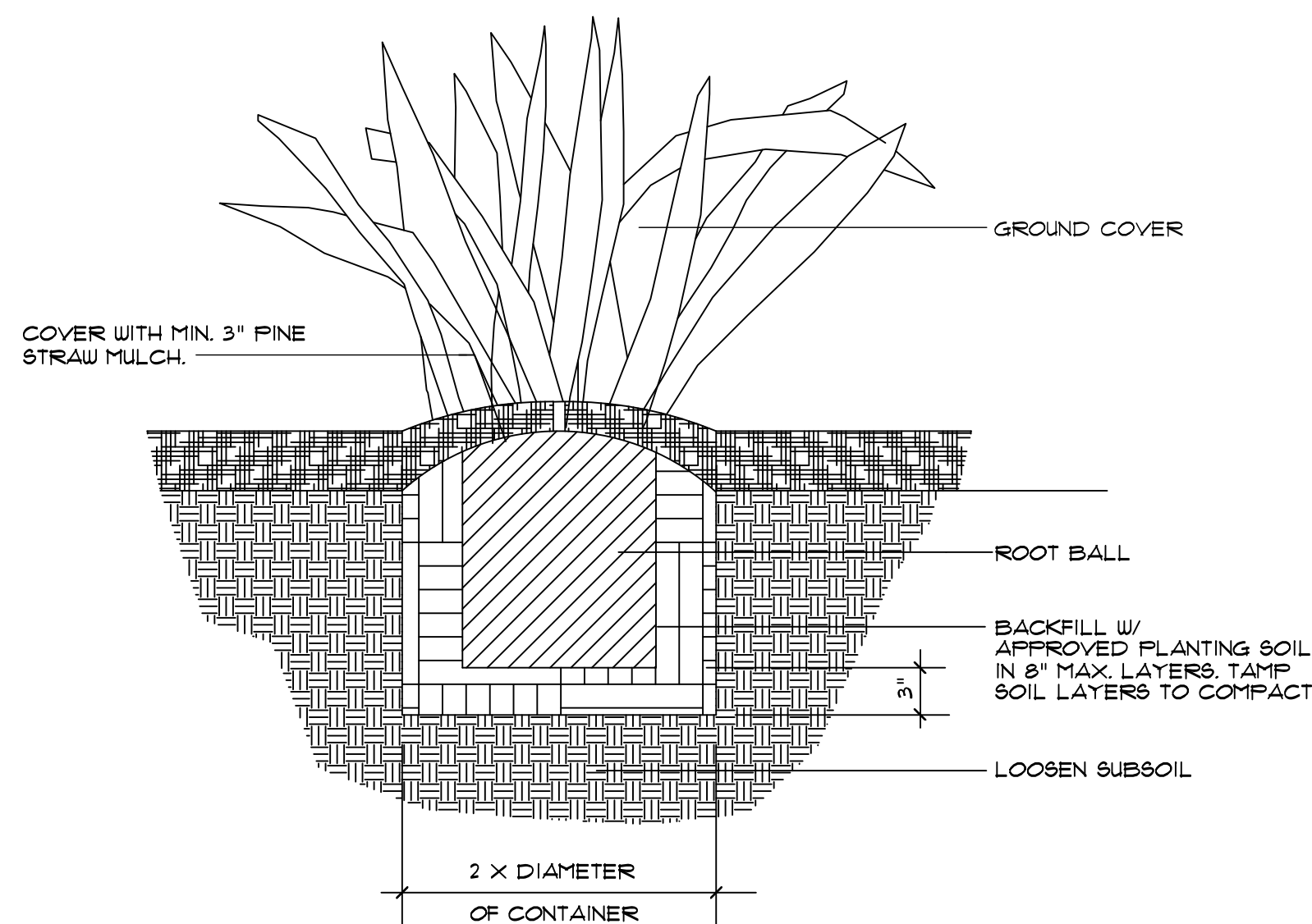
TREE PLANTING DETAIL

NTS.



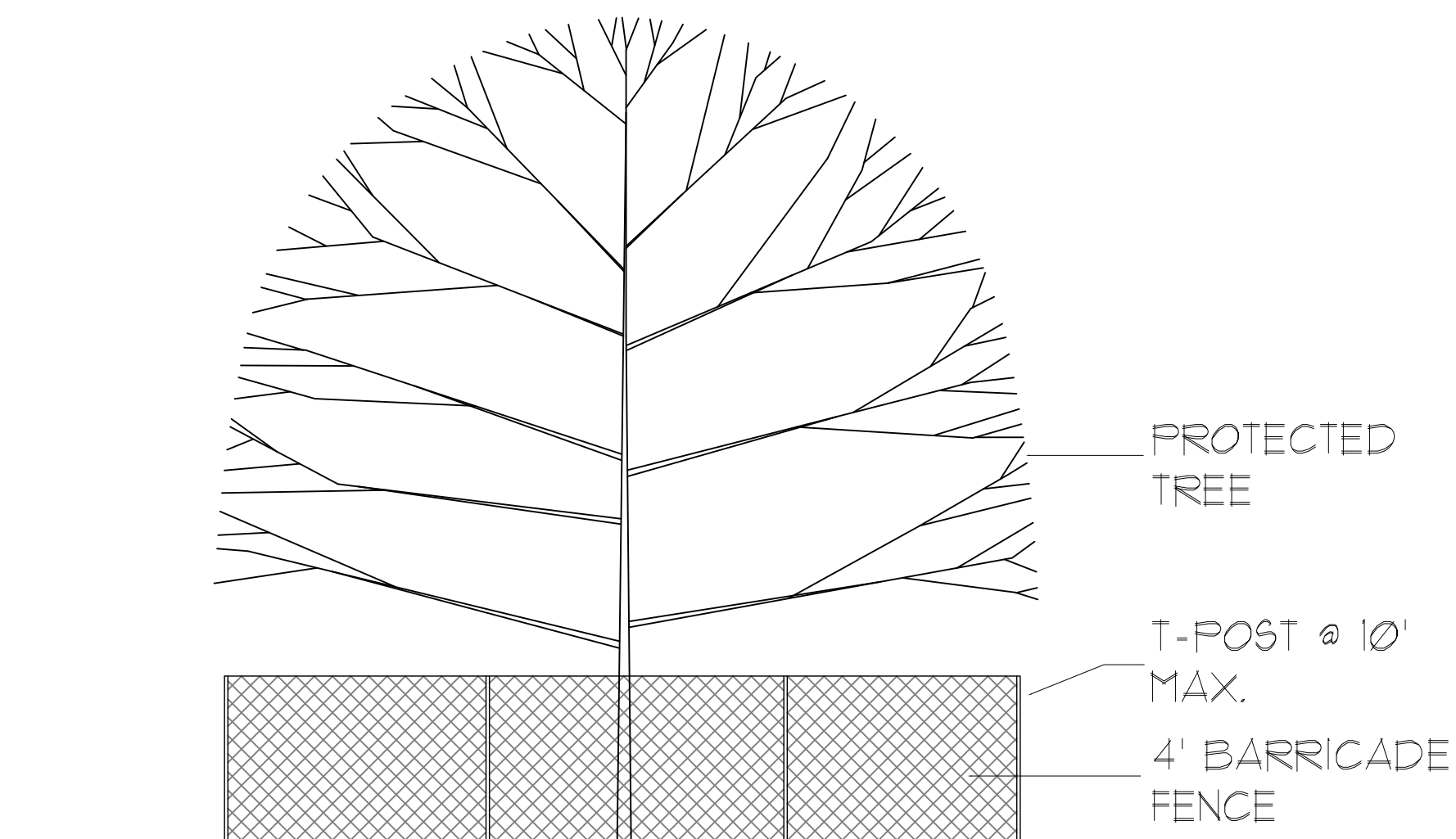
SHRUB PLANTING DETAIL

NTS.



GROUND COVER PLANTING DETAIL

NTS.



TREE PROTECTION DETAIL

NTS.

NOTE:
PROTECTIVE BARRICADES SHALL BE PLACED AT PERIMETER OF DRIP LINE AND SHALL REMAIN IN PLACE UNTIL LAND ALTERATIONS, SITE CLEARING AND CONSTRUCTION ACTIVITIES ARE COMPLETED.

SECTION 32 90 10– LANDSCAPE WORK

PART 1 - GENERAL

SUMMARY

- A. Section includes:

1. Complete landscaping shown on drawings and described herein.
- B. Related Sections:

Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

DESCRIPTION OF WORK

Landscape development work to include the installation sod at all disturbed areas of earth on the site not planted as beds or pits.

QUALITY ASSURANCE:

Source Quality:

General: Ship landscape materials with certificates of inspection required by governing authorities. Comply with applicable federal, state and Parish regulations governing landscape materials and work.

Do not make substitutions. If specified material is not obtainable, submit proof of non-availability to Landscape Architect, together with proposal for use of equivalent material.

Analysis and Standards: Package standard products with manufacturer's certified analysis. For other materials, provide analysis by recognized laboratory made in accordance with methods established by the Association of Official Agriculture Chemists, wherever applicable.

Topsoil: Before delivery of topsoil, furnish Architect with written statement giving location of properties from which topsoil is to be obtained, names and addresses of owners, depth to be stripped, and crops grown during past two years.

- 1.3.1.5 Architect reserves the right to review materials at growing site.
- 1.3.1.6 Observation at growing site does not preclude right of rejection at job site. Plants damaged in transit or at job site shall be rejected.

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SECTION 32 90 10– LANDSCAPE WORK

site. Obtain topsoil only from naturally, well-drained sites where topsoil occurs in a depth of not less than 4". Do not obtain from bogs or marshes.

SOIL AMENDMENTS:

Lime: Natural dolomitic limestone containing not less than 85% of total carbonates with a minimum of 30% magnesium carbonates, ground so that not less than 90% passes a 10-mesh sieve and not less than 50% passes a 100-mesh sieve.

Aluminum Sulfate: Commercial grade.

Sand: Clean, washed sand, free of toxic materials.

Commercial Fertilizer: Complete fertilizer of neutral character, with some elements derived from organic sources and containing following percentages of available plant nutrients:

For lawns, provide fertilizer with percentage of nitrogen required to provide not less than 1 lb. of actual nitrogen per 100 sq. ft. of lawn area and not less than 4% phosphoric acid and 2% potassium. Provide nitrogen in a form that will be available to lawn during initial period of growth; at least 50% of nitrogen to be organic form.

GRASS MATERIALS:

Sod: Provide strongly rooted sod, not less than 1 to 2 years old, free of weeds and undesirable native grasses, and machine cut to pad thickness of 3/4 inch (plus or minus 1/4 inch), excluding top growth and thatch. Provide only sod capable of vigorous growth and development when planted (viable, not dormant). Provide Louisiana-grown Class 'A' sod.

Provide sod of uniform pad sizes with maximum 5 percent deviation in either length or width. Broken pads or pads with uneven ends will not be acceptable. Sod pads incapable of supporting their own weight when suspended vertically with a firm grasp on upper 10 percent of pad will be rejected.

Provide sod composed principally of following:

Centipede grass (Eremochola Ophiuroidea).

2.8 PLANT MATERIALS

- 2.8.1 General: Well-formed No. 1 grade or better nursery grown stock. Listed plant heights are from tops of root balls to nominal tops of plants. Container grown plants shall be well rooted and established in their container but not root bound. Plants will be individually approved by the Architect and his decision as to their acceptability shall be final.

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SECTION 32 90 10– LANDSCAPE WORK

- 1.3.1.7 Personnel: Employ only qualified personnel familiar with required work.

1.4 REFERENCED STANDARDS

- A. American Standard for Nursery Stock, Edition approved October 27, 1980, by American National Standards Institute, Inc. – Plant Materials
- B. Hortus Third, 1975 – Cornell University – Plant Nomenclature

PART 2 - PRODUCTS

SUBMITTALS:

Certification: Submit certificates of inspection as required by governmental authorities. Submit manufacturer's or vendor's certified analysis for soil amendments and fertilizer materials. Submit other data substantiating that materials comply with specified requirement.

DELIVERY, STORAGE AND HANDLING

Packaged Materials: Deliver packaged materials in sealed containers showing weight, analysis and name of manufacturer. Protect materials from deterioration during delivery, and while stored at site.

Sod: Time delivery so that sod will be placed within 24 hours after cutting. Protect sod against drying and breaking of rolled strips or squares.

- 2.2.3 Deliver plants in container sufficiently rigid to hold ball shape and protect root mass.
- 2.2.4 Deliver only plant materials that can be planted in one day unless adequate storage and watering facilities are available on job site.
- 2.2.5 Protect root balls by heeling in with pine bark mulch or other approved moisture retaining material if not planted within 24 hours of delivery.
- 2.2.6 Protect plants during delivery and storage to prevent damage to root balls or desiccation of leaves. Keep plants moist at all times. Cover all materials during transport.
- 2.2.7 Notify Architect of delivery schedule 48 hours in advance so plant material may be observed upon arrival at job site.

- 2.2.8 Remove rejected plant material immediately from site.

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SECTION 32 90 10– LANDSCAPE WORK

- 2.8.2 Shrubs and Groundcovers: Nursery-grown, healthy, vigorous of normal habit of growth for species, free from disease, insect eggs and larvae. Specified sizes are before pruning and are measured with branches in normal position.

- 2.8.3 Trees: Nursery-grown healthy, vigorous, full-branched, well-shaped, symmetrical, trunk diameter and height requirements as specified. Trees with loose or broken balls will be rejected. Trees shall be free of physical damage such as scrapes, bark abrasions, split branches, mistletoe or other parasitic growth.

2.9 MULCH

- 2.9.1 Install finely shredded pine bark mulch to a minimum depth of 3" (three inches) at all beds and tree pits. Submit sample of mulch to architect for approval prior to installation. Substitutions without prior approval by architect are not allowed.

3 PART 3 – EXECUTION

3.1 INSPECTION

- A. Examine subgrade upon which work is to be performed and verify detrimental conditions affecting the work. Notify General Contractor or Architect of unsatisfactory conditions. Do not proceed with work until unsatisfactory conditions have been corrected.

3.2 TREE PLANTING

- 3.2.1 Stake trees for location for approval by Architect.
- 3.2.2 Excavated soil from pits may be used for tree backfill if approved by Architect. Backfill must be free of subsoils, rock, caliche, concrete and other extraneous material. If backfill is not acceptable, use sandy loam.
- 3.2.3 After tree pits are excavated, fill pits with water to determine if pits will adequately drain. If pits do not drain within 24 hours, provide sump pits.
- 3.2.4 Plant trees in pits as shown on drawings. Backfill with 5 parts excavated soil (or sandy loam) and one part peat. Remove excess excavated soil from site. Carefully settle backfill by hand watering to prevent air pockets and to thoroughly settle soil around tree ball.

3.3 TREE STAKING

- 3.3.1 Stake trees as detailed on drawings immediately following planting operation. Take precautions during staking to prevent damage or injury to branches. Orient stakes within each cluster or row of trees in same direction.

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SECTION 32 90 10– LANDSCAPE WORK

- 2.2.9 To avoid damage, do not lift, move, adjust plant to plumb or otherwise manipulate plants by trunks or stems.

JOB CONDITIONS

Proceed with and complete landscape work as rapidly as portions of site become available, working within seasonal limitations for each kind of landscape work required.

Utilities: Determine location of underground utilities and perform work in a manner which will avoid possible damage. Hand excavate, as required to minimize possibility of damage to underground utilities. Maintain grade stakes set by others until removal is mutually agreed upon by parties concerned.

Excavation: When conditions detrimental to plant growth are encountered, such as rubble fill, adverse drainage conditions, or obstructions, notify Architect before planting.

Perform actual planting only when weather and soil conditions are suitable in accordance with locally acceptable practices.

Do not move equipment over existing or newly placed structures without approval of Architect or General Contractor.

Protect other improvements from damage with protection boards, ramps and protective sheeting.

SPECIAL PROJECT WARRANTY

Warranty plants for one year after final acceptance. Replace dead materials and material not in vigorous, thriving conditions as soon as weather permits and on notification by Owner. Replace plants, including trees, which in opinion of the Architect have partially died thereby damaging size, shape or symmetry. Replace plants with same kind and size as originally planted, at no cost to Owner. Provide one year warranty on replacement plants. Trees must be replaced at start of next planting season. Remove dead trees immediately. Protect irrigation system and other piping, conduit and/or other work during replacement. Repair any damage immediately to the Owner's satisfaction.

TOPSOIL

Topsoil for landscape work is not available at site and must be furnished as specified.

Provide new topsoil that is fertile, friable, natural loam, surface soil, reasonably free of subsoil, clay lumps, brush, weeds and other litter, and free of roots, stumps, stones larger than 1" in any dimension, and other extraneous or toxic matter harmful to plant growth.

Obtain topsoil from local sources or from areas having similar soil characteristics to that found at project

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SECTION 32 90 10– LANDSCAPE WORK

3.4 TREE PRUNING

- 3.4.1 Prune newly planted and transplanted trees as directed by Architect following Fine Pruning, Class I pruning standards provided by National Arborist Association. In general, remove one-third of wood by thinning. Do not cut back terminal branches. Remove sucker growth and broken or badly bruised branches.

3.5 TREE WRAPPING

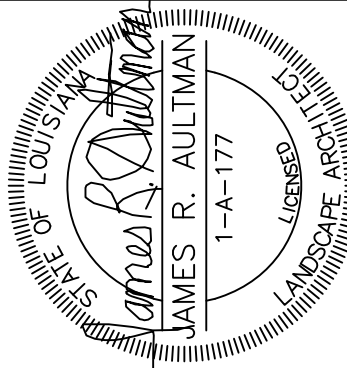
- 3.5.1 Wrap nursery-grown trees. Extend wrapping from ground to a point immediately below lowest branch of each tree or as directed. Securely fasten.

3.6 PLANT BED PREPARATION

- 3.6.1 Place shrubs and groundcovers in position on bed areas before cans have been removed. Obtain approval from Architect. Architect reserves the right to interchange or shift locations of plants prior to planting. Plant where located, setting plants with tops of balls even with top of bed and compact soil carefully around each plant. Water each plant thoroughly to eliminate air pockets. Carefully prune plants to remove dead or broken branches and hand-rake bed areas to smooth even surfaces.
- 3.6.2 Excavate or fill to provide 6 inches of Bed Mix for shrubs, groundcover and seasonal color. Haul off excavated soil. Place Bed Mix 3inches deep into bed area and thoroughly rototill to 2-3 inches deep into the subgrade. Rake out any clods, rocks or debris and complete backfill of Bed Mix to grade shown on drawings.
- 3.6.3 Add 4 pounds commercial fertilizer per 100 s.f. of bed area and mix thoroughly.
- 3.6.4 After planting has been completed and approved by Architect, top dress bed areas with approved mulch, at least 3" deep.
- 3.6.5 Keep premises neat and orderly including organization of storage areas. Remove trash and debris from planting areas daily. Keep paved areas clean by sweeping or hosing.

END OF SECTION 32 90 10

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