

# **TREE CARE MANUAL**

City of Los Angeles Department of Recreation and Parks

## **TABLE OF CONTENTS**

- 1.0 Introduction to Section Items**
- 2.0 Definitions**
- 3.0 Tree Maintenance Guidelines**
  - Introduction**
  - 3.10 Care of trees listed in the *DRP Tree Preservation Policy***
  - 3.15 Request for Tree Work Guidelines**
    - 3.15.1 Regular Work Requests
    - 3.15.2 Emergency Work Requests
  - 3.20 DRP Pruning Standards**
    - 3.20.1 Industry Standards
    - 3.20.2 Types of Pruning
    - 3.20.3 Pruning Cuts
    - 3.20.4 Timing of Pruning
    - 3.20.5 Pruning Stressed Trees
    - 3.20.6 Pruning Young Trees
  - 3.30 Prohibited Acts**
    - 3.30.1 Excessive Pruning
    - 3.30.2 Topping and Heading
    - 3.30.3 Other Prohibited Actions
  - 3.40 Maintaining Tree and Turf Association**
    - 3.40.1 Mulching as a Turf Alternative
    - 3.40.2 Mowing and Other Equipment
    - 3.40.3 Fertilizing Standards and Mycorrhizae Treatments
  - 3.50 Watering Practices**
  - 3.60 Soil Condition**
    - 3.60.1 Drainage
    - 3.60.2 Aeration
  - 3.70 Insect and Disease Control**
  - 3.80 Training Material**
  - 3.90 Tree Inventory**

## **4.0 Protection of Trees During Construction**

### **Introduction**

#### **4.10 Planning for All Projects.**

##### 4.10.1 Planning and Designing for Capital Improvement Projects

- A) Survey before Planning
- B) Plan and Design with a Knowledge of Trees
- C) Plan with a Vision
- D) Plan for all Aspects and Duration of Project

##### 4.10.2 Managing In-House Construction Projects

- A) Survey before Planning
- B) Plan and Design with Knowledge of Trees
- C) Plan with a Vision
- D) Plan for all Aspects and Duration of Project

#### **4.20 Pre-Construction Requirements–Tree Protection and Preservation Plan**

##### 4.20.1 Site Plan

##### 4.20.2 Protective Tree Fencing for Various Categories of *Protected Trees*

- A) Type I Tree Protection Fence
- B) Type II Tree Protection Fence
- C) Type III Tree Protection Fence

##### 4.20.3 Verification of Tree Protection

- A) Tree Fencing
- B) Erosion Control
- C) Tree Pruning
- D) Soil Compaction
- E) Tree Maintenance

##### 4.20.4 Pre-construction Meeting

##### 4.20.5 Tree Protection Zone

- A) Activities Prohibited within the *Tree Protection Zone*
- B) Activities Permitted or required within the *Tree Protection Zone*
- C) Erosion Control

##### 4.20.6 Tree Pruning and Removal

#### **4.30 Activities During Construction and Demolition Near Trees**

##### 4.30.1 Soil Compaction

##### 4.30.2 Grading Limitations within the Tree Protection Zone

- A) Grade Changes within the *Tree Protection Zone*
- B) Grade Changes outside the *Tree Protection Zone*
- C) Grade Changes under Specifically Approved Circumstances
- D) Grade Fills
- E) Grade Cuts

#### 4.30.3 Trenching, Excavation and Equipment Use

- A) Roots Severance
- B) Excavation
- C) Heavy Equipment

#### 4.30.4 Tunneling and Directional Drilling

#### 4.30.5 Alternative Methods for Hardscape to Prevent Root Cutting

- A) Grinding
- B) Ramping
- C) Routing
- D) Permeable Materials

#### 4.30.5 Using Alternative Base Course Materials

### **4.40 Tree Maintenance During Construction**

#### 4.40.1 Irrigation

#### 4.40.2 Soil Compaction Mitigation

#### 4.40.3 Dust Control

### **4.50 Damage to Trees**

#### 4.50.1 Reporting Injury to Trees

#### 4.50.2 Contractor being Subject to Penalties

#### 4.50.3 Employees being Subject to Discipline

### **4.60 Documents to be included in all Projects**

#### 4.60.1 Tree Protection Guidelines for Designers and Project Managers

#### 4.60.2 Instructions to Prevent Tree Damage During Construction Work

### **4.70 Right Of Entry Permits and Documents to be included with every permit**

#### 4.70.1 Instructions to Prevent Tree Damage During Construction Work

## **5.0 Tree Removal, Replacement, and Planting**

### **Introduction**

### **5.10 Tree Removal**

#### 5.10.1 DRP Tree Removal Procedure

#### 5.10.2 Notification Protocol for Large Scale Tree Removal Projects

#### 5.10.3 Tree Removal in Four Categories of DRP Protected Trees

### **5.20 Tree Replacement**

### **5.30 Tree Planting**

#### 5.30.1 DRP Reforestation Program

#### 5.30.2 Planting Guidelines for Park Trees

#### 5.30.3 Nursery Specifications for Park Trees

## **6.0 Tree Evaluation for Hazard and Economic Value**

### **Introduction**

#### **6.10 Hazardous Trees**

6.10.1 Emergency Removal of Hazardous Trees

6.10.2 Criteria for Determining Hazardous Trees

6.10.3 Public Notification

#### **6.20 Tree Appraisal**

## **7.0 Safety Standards**

### **Introduction**

#### **7.10 ANSI Safety Standards for Tree Care Industry**

#### **7.20 R&P Code of Safe Practices for the Forestry Operation**

#### **7.30 Safety Practices to Secure Work Area including Flagging**

#### **7.40 Rigging**

#### **7.50 Knotting**

## **8.0 Appendices**

- A.** DRP Tree Preservation Policy
- B.** L.A. City Oak Tree Ordinance
- C.** ANSI A300 (part 1)-2001 Pruning
- D.** Best Management Practices, Tree Pruning
- E.** ANSI Z133.1-2000 Safety Requirements
- F.** DRP Code of Safe Practices for Forestry Operation
- G.** Tree Protection Guidelines for Designers and Project Managers
- H.** Major Construction Impacts and Methods to Minimize Damage
- I.** How to Prevent Damage to Trees During Construction
- J.** Tree Removal Procedure
- K.** Notification Protocol
- L.** ISA Hazard Evaluation Form
- M.** LA City Landscape Policy
- N.** DRP Tree Planting and Selection Guidelines
- O.** Nursery Specifications for Park Trees
- P.** Training Leaflets

## **9.0 Assumptions**

## **10.0 References**