

City of Encinitas
Ficus Tree Maintenance Plan

The City of Encinitas will conduct maintenance on four Ficus trees; two located at 665 & 669 Second Street, and two located at 1011 Third Street. The City will be contracting with West Coast Arborists, Inc., (WCA) to perform the work. The work will begin Monday, December 5, 2016.

The goals of the project are:

1. To reduce crown height by systematically reducing the canopy spread.
2. To expose the root system in the vicinity of the tree trunks by removing existing sidewalk, curb, gutter and pavement, as necessary.
3. To prune invasive roots and install root barriers to slow growth and minimize damage.
4. To repair damaged infrastructure.

Coordination with Affected Property Owners

- Prior to conducting any maintenance activities on the selected Ficus trees, City staff has met with the owners/tenants of the properties at 665/669 Second Street and 1011 Third Street on November 4, 2016, and reviewed the proposed activities. The property owners and tenants agreed that this is an acceptable approach, however still reserved the right to potentially seek property damage recovery.
- Input received from the property owners/tenants will be incorporated into the Maintenance Plan as appropriate.

The project will be performed in five phases:

Phase 1: Public Notification

- City staff will post project information on the City's website and on social media.
- WCA will send notification letters to the residences and businesses in a predetermined radius of the project. The letters will summarize the project scope and provide points of contact for the City and WCA staff. The contractor West Coast Arborist, Inc. will send out notification letters on **November 21, 2016** to the residences and businesses in a one block radius of the downtown tree project as well as to the Encinitas 101 Association.
- City staff will place changeable message boards at two locations in downtown informing motorists and pedestrians of the project.
- WCA staff will place door hanger notifications and No-Parking signs in the

City of Encinitas Ficus Tree Maintenance Plan

immediate vicinity of the work 72-hours prior to the beginning of work.

Phase 2: Crown Reduction

- WCA will reduce the crown of the trees through subordinating lead branches back to sub canopy lateral branches following approved ANSI A300 Pruning Standards. The tree pruning goal is to achieve a 30% crown reduction over a five year period leaving the subject trees an average overall canopy reduction of about 3 feet per dose without taking into account seasonal growth.
- WCA will have a Certified Arborist on-site supervising the crown reduction work.
- The photos below depicts the crown reduction over the five year period pink being year one and red being year five. These four trees are a sample of what is purposed for the remaining (51) Ficus trees in the Downtown area. If not apposed that work will take place in January of 2017.



City of Encinitas
Ficus Tree Maintenance Plan

Phase 3: Infrastructure Removal

- City staff will mark in white paint, the infrastructure that will be removed to access tree roots. This work will include sidewalks, curbs, gutters and street pavement. A traffic control plan will be required.
- Upon removal of the infrastructure, the condition of the exposed roots will be photo documented.

Phase 4: Selective Root Pruning/Barrier Installation:

- WCA will have a Certified Arborist on-site supervising the root treatment work. This work may be root pruning and/or installing root barriers. WCA will follow approved International Society of Arboriculture best management practices for root treatment.

Tree roots shall not be pruned or impacted unless justification can be made that all other alternatives have been explored and are not feasible. WCA will work closely with City staff to determine the appropriate method of controlling roots.

Phase 5: Infrastructure Replacement:

- Once the tree root/barrier work is completed, City Staff will replace the infrastructure to the regional standard. The work will be conducted directly after the tree work starting the week of December 19, 2016 and potentially be replaced before the end of January 2017. The infrastructure replacement scope of work will include replacing sidewalks, curbs, gutters and City streets. The facilitation of work will create public impacts such as: restricted parking; closed roads; closed sidewalks and noise as well as traffic delays.

Safety Standards

All work performed on public trees shall be performed in accordance with the latest issue of the ANSI Z133.1 Safety Requirements. If the flow of traffic is to be disrupted on streets and highways, workers shall establish a safe work zone with proper traffic control measures following the current California Manual on Uniform Traffic Control Devices (MUTCD) and the Work Area Traffic Control Handbook (WATCH) from the American Public Works Association (APWA).

City of Encinitas
Ficus Tree Maintenance Plan

Wildlife Avoidance

WCA will inspect all trees prior to work to determine the existence of wildlife. The Trees will be inspected carefully for nests and cavities, which wildlife may be using. If wildlife is located in any of the trees related to this project, WCA will notify City staff and the tree shall not be pruned until approved by City staff.