



A·PLUS TREE

A REVOLUTION IN TREE CARE & SUSTAINABILITY

Chase Knolls Gardens Apartments Hazardous Trees Removal Project

Presented By:

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“To inspire Urban Forest Management through Sustainability, Education, and Caring for others.”

“To Serve our clients with love and respect, on the foundation of the 6 Dones.”

- Done Safely -

- Done On Time -

- Done As Promised -

- Done On Budget -

- Done With Innovation -

- Done As A Team -





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A Plus Pedigree

- B.S. – Environmental Sciences (6 Team Members)
- B.S. – Environmental Management and Protection – Minor in Forestry
- B.S. – Botany
- B.S. – Sustainability
- B.S. – Plant Sciences
- B.S. – Ecology, M.S. Environmental Science, Ph.D. Environmental Science
- AAS – Natural Resource Management
- B.S. – Forest Resources and Conservation
- 2 Board Certified Master Arborists (BCMA)
- Over 25 ISA Certified Arborists and Tree Workers on Staff both in the field servicing trees and Sales Team Members – Half of which are also TRAQ Qualified
- 1 ASCA Registered Consulting Arborist (RCA)





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The Chase Knolls Property has an expansive inventory of trees, to be enjoyed by the residents.

A-Plus Tree TRAQ Qualified Arborist has catalogued and assessed each tree on the property, paying close attention to indicators of decay, root loss, soil upheaval, shift in lean angulation and other identifying traits that would help measure the level of risk and threat to public and tenant safety.

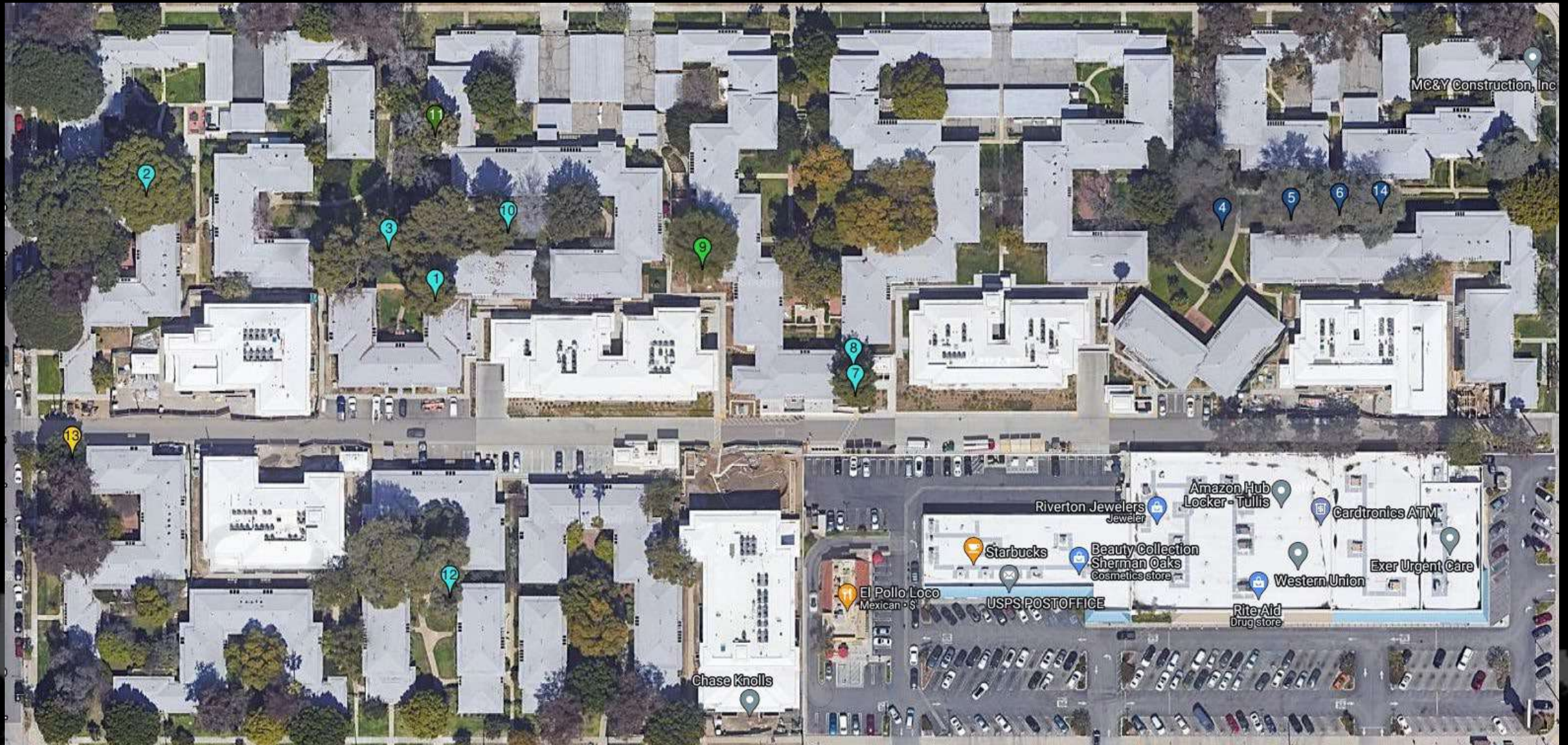
Our assessments have led us to recommending the removal of 13 trees with an additional tree identified for mitigation pruning. Our findings are as follows.





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Tree #1 – Aleppo Pine (ID 215)



- Significant lean and weight, fall line directly into occupied structure
- Up-heaving present on tension side
- Mechanical damage to root system from construction
- Limited ability to expand root structure
- Growth limited by close proximity to dominant tree
- Soil continually saturated, root decay is highly likely
- Poor Drainage



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Tree #2 – Aleppo Pine (ID 165)



- Extremely large and unbalanced
- Upheaving noticeable on tension side
- Large reduction in root system from excavation
- If failure occurs, second large Aleppo will be damaged severely
- Structures in fall path will be completely destroyed
- Reduction Pruning will not be effective. Excessive canopy will need to be completely removed. The tree will not survive such reduction. Reduction will also NOT solve root structure issue, lean and weight still significant enough to fail onto structures.
- Second Large Aleppo will benefit as a result of this removal



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Tree #2 – Aleppo Pine (ID 165)





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Tree #3 – Aleppo Pine (ID 220)



- Tree is located under the drip line of larger dominant tree.
- Lean has occurred due to phototropism. Tree growth has been and will continue to be negative effect on overall health and longevity of tree.
- Future growth will only increase likelihood of failure do to weight and lean
- If tree were to fail it is unlikely to hit structure significantly. However, due to the shift in the lean, it can be anticipated that the tree will uproot.



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Tree #4 – Deodar Cedar (ID 383)



- Tree showing signs of decline, branch tip die back
- Unbalanced canopy
- Moderate limb drop/damage in latest storm
- Tree planted on man made slope from construction
- Lean and weight towards occupied structure
- Neighboring Deodar failed during last storm, same size and lean
- Upheaval present on uphill slope



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Trees #5,6 and 14 – Deodar Cedars
(IDs 382, 407 and 405)



- (3) Cedars have had planters built around them and backfilled approx. 3'
- Basal decay is present in all (3) Cedars
- Significant decline present in all (3)
- Improper Pruning has been performed on all (3)
- CODIT not present, flush cuts
- Decay present in cuts
- (3) lean and weight towards occupied structures



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Trees #5,6 and 14 – Deodar Cedars
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Tree #7 – Aleppo Pine (ID 313)



- Tree has been planted in close proximity to building
- New excavation has occurred for parking structure removing a very large portion of anchoring root system
- Tree showing signs of heavy response growth to damage sustained in root system
- Building limiting the growth outward from base as well
- Tree has very large defect in main trunk 30' from base. Crossing leaders, open wound about 3' in length. This wound is not correctable
- Weight and lean over structure



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Tree #8 – Aleppo Pine (ID 311)



- Tree is in very poor health. Chlorotic Canopy with significant dieback
- Building limits root expansion
- Significant exudate around entire base
- Indication of extensive section of roots excavated for parking structure.
- Removal recommended to mitigate future damage or injury resulting from failure



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Tree #9 – Shamel Ash
(ID Possibly 271, 272, 266 or 1489)





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(ID Possibly 271, 272, 266 or 1489)

- Tree has not been maintained in very long time and its canopy is very full and heavy
- Shamel Ash is the fastest growing of the Ash species and deficiencies need to be corrected in a timely manner during growth. Lack of consistent and proper pruning cuts have increased defects.
- This species should not be placed near structure due to rapid growth, open area is recommended only
- Outlying root structure showing signs of decay, old growth root structure affected by building.
- Sidewalk not showing signs of uplifting, assume root structure not growing. Due to height difference in root flare and walkway, assume roots have been excavated. Power vault box also within drip line. It appears the structural roots of this tree were damaged or severed during upgrade construction of Building 4D. If so, then there is a concern of a loss of supporting structural buttress roots.
- Cabling system installed on 1 major leader, second leader not cabled and is splitting off the main trunk. Existing cabling system is no longer effective.



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Tree #10 – Aleppo Pine(ID 204)



- Tree appears to be in fair health. Ground compaction present due to placement of tree in open courtyard.
- Outer limb of tree causing in-balance of the canopy, driving weight on slight lean towards building.
- Recommend removing outer limb only, crown clean during maintenance cycle in year 2.
- Recommend root excavation via air spade to reduce soil compaction around root structure
- Recommend tree protection zone placed around tree root area to limit foot traffic and compaction



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Tree #11 – African Fern Pine (ID 193)



- Tree is growing within 1 foot of the eve of an apartment building with the trunk growing towards another building
- Tree has begun to lift the sidewalk, and has significant canopy weight over apartment structure. (Health and Safety Hazard)
- Tree is begun to uplift and cause damage to building
- Tree growth pattern aggressive, tree should not be installed near building or structures. Open area only





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Tree #12 – Aleppo Pine (ID 120)



- Tree has heavy lean towards apartment building
- Noticeable heaving on of roots on the soil surface.
- All of this tree's weight is committed towards a living structure, recommend removal to mitigate hazard towards residents and infrastructure. Moderate High Risk Tree





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Tree #13 –Indian Laurel Fig (ID 053)



- Trees growing with heavy lean and is within 1 inch of primary fence and is currently growing on top of roof and eve of apartment building.
- Root Structure has been stunted by excavation of storm water drainage, curbing, sidewalk, and parking lot installation
- Recommend for removal before further infrastructure damage occurs.

