



SHASTA VALLEY RESOURCE CONSERVATION DISTRICT

215 Executive Court, Suite A, Yreka, CA 96097

(530) 572.3120

www.svr.cd.org

West Mt. Shasta Defensible Space Pre-qualification of Contractors

Project Summary

The Defensible Space project is designed to assist homeowners in preparing for fire safety around their homes to prevent from being dropped by their insurance companies and have less of a risk of losing their home in a fire. The project consists of three Zones that span from 0-100 feet from habitable structure.

Zone 0: 0-5 ft from structure. No combustible materials in area. Includes extended, wooden decks. Zone

1: 5-30 ft from structure. Shrubs and canopy evenly spaced.

Zone 2: 30-100 ft from structure. Trees thinned, pruned up to 8ft from ground. Chips from other areas spread in this area but cannot exceed 3".

This form is only to approve and categorize local contractors for the West Mt. Shasta Defensible Space Project. Please fill out general information, license numbers and what work your company is able to perform along with past experiences. The purpose of this process is to assess contractor's unique abilities to properly bid out mandatory tasks to be implemented during this project and to pre-qualify contractors for future bids.

This is not a bid packet

Company Name:	
License Holder Name:	
Address:	
Phone:	
Email:	



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Contact Person Name & Title:	
Address/Phone/Email if different than above:	

Contractor:

CA License Number	Expiration Date	License Type (B-2, C-13, C-27, D-41, D-49)
Years of experience with defensible space?		
Insurance coverage with limits of liability of not less than \$1 million combined single limit bodily injury and property damage? (Attach certificate.)		YES <input type="checkbox"/> NO <input type="checkbox"/>
Bonding Capacity (please state dollar amount)		\$

References: Provide 3 references, with contact names and phone numbers for each reference.

1. **Contact Name:** _____ **PHONE:** _____

BUSINESS NAME: _____

2. **CONTACT NAME:** _____ **PHONE:** _____

BUSINESS NAME: _____

3. **CONTACT NAME:** _____ **PHONE:** _____

BUSINESS NAME: _____

Contractor Ability Checklist:

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Please check all operations your company can perform. *If you cannot perform certain operations, ~~it~~ does not mean you cannot win a quote*

<input type="checkbox"/> Masticating	<input type="checkbox"/> Hardscaping Withing 5 ft of house
<input type="checkbox"/> Stump Grinding/ Removal	<input type="checkbox"/> Property clean up and disposal
<input type="checkbox"/> Tree climbing	<input type="checkbox"/> Fireproof fence installation
<input type="checkbox"/> Bucket Truck	<input type="checkbox"/> Landscaping
<input type="checkbox"/> Licensed or Certified ISA Arborist	<input type="checkbox"/> Hazardous Material disposal
<input type="checkbox"/> Thinning and chipping	<input type="checkbox"/> Relocation of propane tank
<input type="checkbox"/> Tree felling	<input type="checkbox"/> Relocation or removal of outbuildings
<input type="checkbox"/> Deck removal or retrofitting	<input type="checkbox"/> Logging

Please use this space to identify past projects and experiences. Please be specific with details. Alternately, you may attach a resume including examples of work completed that apply to the scope of work described in this RFSQ. Please include project descriptions, project contact name, address and phone number as references.



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The contractor hereby acknowledges that the information provided is accurate.

Contractor Signature:

Date:



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Appendix A – Minimum Quality Standards

Combustible Fence/Gate Removal

- All buildings will be disassembled and all debris will be disposed of at an approved off site facility.

Defensible Space-Zone 0

- Roof Combustible Material Removal
 - Removal of leaves, needles or other vegetation on roofs, gutters, decks, porches, stairways in compliance with PRC § 4291 (a)(4) or GC Section 51182 (a)(4) and 14 CCR § 1299.03(a)(1) or equivalent local ordinance.
 - No equipment shall be used that will damage existing building components.
 - All vegetation removed from the project site will be disposed of at an approved facility.
 - Vegetation chipped on site may only be distributed in Zone 2 and only to a permitted depth of 3 inches. Zone 2 extends from thirty feet (30 ft.) to one hundred feet (100 ft.) from each structure.
- Miscellaneous Combustible Material Removal
 - Combustible item removal within Zone 0 which extends five feet (5 ft.) from each structure or, if applicable, an attached deck.
 - All items designated for removal will be identified by flagging or marking prior to initiating work.
 - Remove all woodchips, bark, combustible mulch, synthetic lawns, combustible boards, timbers, planting pots or containers.
 - Remove combustible materials located on top of or underneath a deck, balcony, or stairs in compliance with 14 CCR § 1299.03(a)(4).
 - Remove planting pots or containers, regardless of material, mounted on the structure or located directly beneath a window.
 - All combustible material removed from the project site will be disposed of at an approved facility.
 - All hazardous materials will be disposed of at an approved facility.
 - The contractor will be responsible for adhering to requirements outlined in PRC 4427 (Operation of fire causing equipment), PRC 4431 (Gasoline powered saws, etc.; firefighting equipment) and PRC 4442 (Spark arresters or fire prevention measures; requirement; exemptions).



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- No operations will be allowed on days identified by the National Weather Service as Fire Weather Watch or Red Flag Warning. The contractor will be responsible for adhering to any local daily Fire Danger and Project Activity Level requirements.
- Vegetation Removal/Modification
 - Vegetation removal from Zone 0 which extends five feet (5 ft.) from each structure or, if applicable, an attached deck.
 - Remove all living, dead or dying grass, including grass lawns, herbaceous ground covers, plants, shrubs and bushes within Zone 0 including underneath decks, balconies, or stairs.
 - All vegetation removed from the project site will be disposed of at an approved facility.
 - Vegetation chipped on site may only be distributed in Zone 2 and only to a permitted depth of 3 inches. Zone 2 extends from thirty feet (30 ft.) to one hundred feet (100 ft.) from each structure.
 - The contractor will be responsible for adhering to requirements outlined in PRC 4427 (Operation of fire causing equipment), PRC 4431 Gasoline powered saws, etc.; firefighting equipment and PRC 4442 (Spark arresters or fire prevention measures; requirement; exemptions).
 - No operations will be allowed on days identified by the National Weather Service as Fire Weather Watch or Red Flag Warning. The contractor will be responsible for adhering to any local daily Fire Danger and Project Activity Level requirements.
 - The contractor will be responsible for the safe operation around utilities. The contractor will be responsible for contacting the Underground Service Alert <https://www.california811.org/> to assure all utilities will be avoided during site preparation and construction.
- Hardscaping
 - Installation of a hardscape in Zone 0 which extends five feet (5 ft.) from each structure or, if applicable, an attached deck.
 - The contractor will prepare a hardscaping site plan that includes all areas around the structure including any attached decks. The site plan will include:
 - 1) Procedures for avoiding utilities. The contractor will be responsible for contacting the Underground Service Alert <https://www.california811.org/> to assure all utilities will be avoided during site preparation and construction.
 - 2) Procedures for securing existing irrigation lines.
 - 4) Guidelines for obtaining compliance with ground sloping requirements as required by CBC Chapter 18 Soils and Foundations, Section 1804.4 Site Grading.
 - 5) The installation of a permeable weed barrier and hardscaping material.
- Stump/Log Removal

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- Stumps or logs located within Zone 0 which extends five feet (5 ft.) from each structure or, if applicable, an attached deck.
- Stumps or logs shall be removed, cut or mulched down to ground level.
- All vegetation removed from the project site will be disposed of at an approved facility.
- Stump material deposited on site may only be distributed in Zone 2 and only to a permitted depth of 3 inches. Zone 2 extends from thirty feet (30 ft.) to one hundred feet (100 ft.) from each structure.
- The contractor will be responsible for adhering to requirements outlined in PRC 4427 (Operation of fire causing equipment), PRC 4431 (Gasoline powered saws, etc.; firefighting equipment) and PRC 4442 (Spark arresters or fire prevention measures; requirement; exemptions).
- No operations will be allowed on days identified by the National Weather Service as Fire Weather Watch or Red Flag Warning. The contractor will be responsible for adhering to any local daily Fire Danger and Project Activity Level requirements.
- Tree Limbing
 - Tree trimming within Zone 0 which extends five feet (5 ft.) from each structure or, if applicable, an attached deck.
 - Remove all live and dead tree branches 10 feet above the roof and 10 feet away from chimneys and stovepipe outlets. Remove all live or dead branches or ladder fuels within five feet (5 ft.) of the sides of the structure in Zone 0.
 - It is the responsibility of the contractor to adhere to local ordinances regulating tree trimming and to obtaining applicable permits.
 - All vegetation removed from the project site will be disposed of at an approved facility.
 - Vegetation chipped on site may only be distributed in Zone 2 and only to a permitted depth of 3 inches. Zone 2 extends from thirty feet (30 ft.) to one hundred feet (100 ft.) from each structure.
 - The contractor will be responsible for adhering to requirements outlined in PRC 4427 (Operation of fire causing equipment), PRC 4431 (Gasoline powered saws, etc.; firefighting equipment) and PRC 4442 (Spark arresters or fire prevention measures; requirement; exemptions).
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- The contractor shall utilize qualified tree workers as described in Title 8 California Code of Regulations Section 3420(b). The contractor shall comply with applicable requirements for tree workers identified in Title 8 California Code of Regulations for Tree Work, Maintenance or Removal including sections 3420-3427 & 3458. The contract shall also abide by other requirements in Title 8 California Code of Regulations including, section 2940,2 (Clearances from high-voltage power lines), 3203 (Injury and Illness Prevention), 3328 (Machinery and equipment), 3380 (Personal Protective Devices), 3395 (Heat Illness Prevention), and 3648 (Fall protection). For additional information see the Cal/OSHA Tree Work Safety Guide.
- Tree Felling
 - Tree felling for designated trees within Zone 0 which extends five feet (5 ft.) from each structure or, if applicable, an attached deck.
 - Tree felling will only be performed on the designated property. Property boundary delineations will be identified prior to the initiation of work. If flagging is required, the property boundary will be identified in red flagging.
 - It is the responsibility of the contractor to adhere to local ordinances regulating tree removal and to obtain applicable permits.
 - Trees designated for removal will be marked with blue tracer paint. Designated trees will have a painted highly visible attention band 2" wide at eye level. The attention mark will be visible from 360 degrees and from at least 50 feet. Cut trees will also have two painted stump marks on all marked trees. The stump marks shall be placed in the furrows of the bark at ground level on the downhill and uphill sides of the trees. Stump marks will touch the ground and be at least 2" wide.
 - Tree stumps will be removed to ground level (See Stump Removal MQS).
 - Areas with equipment or work exclusions will be flagged prior to the initiation of work. Watershed and Lake Protection Zones (WLPZ) delineations will be identified with blue and white stripe flagging with "Watercourse and Lake Protection Zone" black print. Equipment Exclusion Zone delineations will be identified with yellow and white stripe flagging with "Equipment Exclusion Zone" black print.
 - All vegetation removed from the project site will be disposed of at an approved facility.
 - Vegetation chipped on site may only be distributed in Zone 2 and only to a permitted depth of 3 inches. Zone 2 extends from thirty feet (30 ft.) to one hundred feet (100 ft.) from each structure.
 - The contractor will be responsible for adhering to requirements outlined in PRC 4427 (Operation of fire causing equipment), PRC 4431 (Gasoline powered saws, etc.; firefighting equipment) and PRC 4442 (Spark arresters or fire prevention measures; requirement; exemptions).



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- The contractor will be responsible for the safe operation around utilities. The contractor will be responsible for contacting the Underground Service Alert <https://www.california811.org/> to assure all utilities will be avoided during site preparation and construction.
- The contractor shall utilize qualified tree workers as described in Title 8 California Code of Regulations Section 3420(b). The contractor shall comply with applicable requirements for tree workers identified in Title 8 California Code of Regulations for Tree Work, Maintenance or Removal including sections 3420-3427 & 3458. The contract shall also abide by other requirements in Title 8 California Code of Regulations including, section 2940.2 (Clearances from high-voltage power lines), 3203 (Injury and Illness Prevention), 3328 (Machinery and equipment), 3380 (Personal Protective Devices), 3395 (Heat Illness Prevention), and 3648 (Fall protection). For additional information see the Cal/OSHA Tree Work Safety Guide.
- Firewood Relocation
 - Relocate exposed firewood piles located in Zone 0 that are not completely covered in a fire-resistant material in accordance with PRC 4291 (e)(1) or GC Section 51182 (c)(1) and 14 CCR § 1299 .03(a)(3) or equivalent local ordinance.
 - Firewood will be relocated a minimum of 30 feet from the primary structure.
 - Firewood piles will also be located 30 feet away from adjacent residences, accessory buildings, fences and other miscellaneous structures.

Defensible Space-Zone 1

- Firewood Removal
 - Remove exposed firewood located in Zone 0 and from the property. This is an alternative method of compliance with PRC 4291 (e)(1) or GC Section 51182 (c)(1) and 14 CCR § 1299 .03(a)(3) or equivalent local ordinance.
 - All combustible material removed from the project site will be disposed of at an approved facility.
- Roof Combustible Material Removal
 - The "Roof Combustible Material Removal" mitigation measure includes removing all accumulated debris from the roof covering, roof valleys, wall intersections and gutters. Accumulated debris are susceptible to embers and direct flame contact and when ignited can expose combustible building components.
- Miscellaneous Combustible Material Removal
 - The Zone 1 "Miscellaneous Combustible Material Removal" mitigation measure is utilized for the removal of all combustible items within five feet (5 ft.) from each



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structure in Zone 1 or to provide desired minimum vertical clearance between lower limbs of aerial fuels or the desired minimum horizontal spacing between trees and shrubs as described in the General Guidelines for Creating Defensible Space, Plant Spacing Guidelines.

- **Vegetation Removal/Modification**
 - Vegetation Removal within Zone 1 which extends five to thirty feet (30 ft.) from each structure.
 - Vegetation horizontal or vertical separation distances shall be in compliance with the Board of Forestry General Guidelines for Creating Defensible Space (Appendix A), Reduced Fuel Zone: Fuel Separation Guidelines and Plant Spacing Guidelines table.
 - Groups of vegetation (numerous plants growing together less than 10 feet in total foliage width) may be treated as a single plant.
 - Vegetation removal will only be performed on the designated property. Property boundary delineations will be identified prior to the initiation of work. If flagging is required, the property boundary will be identified in red flagging.
 - It is the responsibility of the contractor to adhere to local ordinances regulating vegetation removal and to obtain applicable permits.
 - Vegetation stems/stops/stumps will be removed to ground level.
 - Areas with equipment or work exclusions will be flagged prior to the initiation of work. Watershed and Lake Protection Zones (WLPZ) delineations will be identified with blue and white stripe flagging with "Watercourse and Lake Protection Zone" black print. Equipment Exclusion Zone delineations will be identified with yellow and white stripe flagging with "Equipment Exclusion Zone" black print.
 - All vegetation removed from the project site will be disposed of at an approved facility.
 - Vegetation chipped on site may only be distributed in Zone 2 and only to a permitted depth of 3 inches. Zone 2 extends from thirty feet (30 ft.) to one hundred feet (100 ft.) from each structure.
 - The contractor will be responsible for adhering to requirements outlined in PRC 4427 (Operation of fire causing equipment), PRC 4431 (Gasoline powered saws, etc.; firefighting equipment) and PRC 4442 (Spark arresters or fire prevention measures; requirement; exemptions).
 - No operations will be allowed on days identified by the National Weather Service as Fire Weather Watch or Red Flag Warning. The contractor will be responsible for adhering to any local daily Fire Danger and Project Activity Level requirements.
- **Cutting of Annual Grasses and Forbs**
 - Cutting of Annual Grasses and Forbs in Zone 1 which extends five to thirty feet (30 ft.) from each structure in compliance with PRC 4291 (e)(1) or GC Section 51182 (c)(1) and 14 CCR § 1299 .03(a)(1) or equivalent local ordinance.



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- Annual Grasses and Forbs will be mowed or cut and should not exceed 4 inches in height. If there are areas that need to be retained to a height not to exceed 18 inches above the ground, where necessary to stabilize the soil and prevent erosion, the areas will be identified to the contractor and flagged prior to the initiation of work.
 - The contractor will be responsible for adhering to requirements outlined in PRC 4427 (Operation of fire causing equipment), PRC 4431 (Gasoline powered saws, etc.; firefighting equipment) and PRC 4442 (Spark arresters or fire prevention measures; requirement; exemptions).
 - No operations will be allowed on days identified by the National Weather Service as Fire Weather Watch or Red Flag Warning. The contractor will be responsible for adhering to any local daily Fire Danger and Project Activity Level requirements.
- Log/ Stump Removal
 - Stumps or logs located within Zone 1 which extends five to thirty feet (30 ft.) from each structure.
 - Stumps or logs shall be removed, cut or mulched down to ground level.
 - All vegetation removed from the project site will be disposed of at an approved facility.
 - Stump material deposited on site may only be distributed in Zone 2 and only to a permitted depth of 3 inches. Zone 2 extends from thirty feet (30 ft.) to one hundred feet (100 ft.) from each structure.
 - The contractor will be responsible for adhering to requirements outlined in PRC 4427 (Operation of fire causing equipment), PRC 4431 (Gasoline powered saws, etc.; firefighting equipment) and PRC 4442 (Spark arresters or fire prevention measures; requirement; exemptions).
 - No operations will be allowed on days identified by the National Weather Service as Fire Weather Watch or Red Flag Warning. The contractor will be responsible for adhering to any local daily Fire Danger and Project Activity Level requirements.
- Tree Limbing
 - Tree limbing within Zone 1 which extends five to thirty feet (30 ft.) from each structure or property line, whichever comes first.
 - Lower limbs of trees will be limbed/pruned to at least 6 feet up to 15 feet (or the lower 1/3 branches for small trees).
 - It is the responsibility of the contractor to adhere to local ordinances regulating tree trimming and to obtaining applicable permits.
 - All vegetation removed from the project site will be disposed of at an approved facility.
 - Vegetation chipped on site may only be distributed in Zone 2 and only to a permitted depth of 3 inches. Zone 2 extends from thirty feet (30 ft.) to one hundred feet (100 ft.) from each structure.



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- The contractor will be responsible for the safe operation around utilities. The contractor will be responsible for contacting the Underground Service Alert <https://www.california811.org/> to assure all utilities will be avoided during site preparation and construction.
- The contractor shall utilize qualified tree workers as described in Title 8 California Code of Regulations Section 3420(b). The contractor shall comply with applicable requirements for tree workers identified in Title 8 California Code of Regulations for Tree Work, Maintenance or Removal including sections 3420-3427 & 3458. The contract shall also abide by other requirements in Title 8 California Code of Regulations including, section 2940,2 (Clearances from high-voltage power lines), 3203 (Injury and Illness Prevention), 3328 (Machinery and equipment), 3380 (Personal Protective Devices), 3395 (Heat Illness Prevention), and 3648 (Fall protection). For additional information see the Cal/OSHA Tree Work Safety Guide.
- Tree Felling
 - Tree limbing within Zone 1 which extends five to thirty feet (30 ft.) from each structure or property line, whichever comes first.
 - Lower limbs of trees will be limbed/pruned to at least 6 feet up to 15 feet (or the lower 1/3 branches for small trees).
 - It is the responsibility of the contractor to adhere to local ordinances regulating tree trimming and to obtaining applicable permits.
 - All vegetation removed from the project site will be disposed of at an approved facility.
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- Tree Felling
 - Tree felling for designated trees within Zone 1 which extends five to thirty feet (30 ft.) from each structure or property line, whichever comes first.
 - Tree horizontal separation distances shall be in compliance with the Board of Forestry General Guidelines for Creating Defensible Space (Appendix A), Reduced Fuel Zone: Fuel Separation Guidelines and Plant Spacing Guidelines table.
 - Tree or vegetation vertical separation distances shall be in compliance with the Board of Forestry General Guidelines for Creating Defensible Space (Appendix A), Reduced Fuel Zone: Fuel Separation Guidelines and Plant Spacing Guidelines table.
 - Tree felling will only be performed on the designated property. Property boundary delineations will be identified prior to the initiation of work. If flagging is required, the property boundary will be identified in red flagging.
 - It is the responsibility of the contractor to adhere to local ordinances regulating tree removal and to obtain applicable permits.
 - Trees designated for removal will be marked with blue tracer paint. Designated trees will have a painted highly visible attention band 2" wide at eye level. The attention mark will be visible from 360 degrees and from at least 50 feet. Cut trees will also have two painted stump marks on all marked trees. The stump marks shall be placed in the furrows of the bark at ground level on the downhill and uphill sides of the trees. Stump marks will touch the ground and be at least 2" wide.
 - Tree stumps will be removed to ground level.
 - Areas with equipment or work exclusions will be flagged prior to the initiation of work. Watershed and Lake Protection Zones (WLPZ) delineations will be identified with blue



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and white stripe flagging with "Watercourse and Lake Protection Zone" black print. Equipment Exclusion Zone delineations will be identified with yellow and white stripe flagging with "Equipment Exclusion Zone" black print.

- All vegetation removed from the project site will be disposed of at an approved facility.
- Vegetation chipped on site may only be distributed in Zone 2 and only to a permitted depth of 3 inches. Zone 2 extends from thirty feet (30 ft.) to one hundred feet (100 ft.) from each structure.
- The contractor will be responsible for adhering to requirements outlined in PRC 4427 (Operation of fire causing equipment), PRC 4431 (Gasoline powered saws, etc.; firefighting equipment) and PRC 4442 (Spark arresters or fire prevention measures; requirement; exemptions).
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- Firewood Relocation
 - Relocate exposed firewood piles located in Zone 1 which extends five to thirty feet (30 ft.) from each structure that are not completely covered in a fire-resistant material in accordance with PRC 4291
 - Firewood will be located a minimum of 30 feet from the primary structure.
 - Firewood piles will also be located 30 feet away from adjacent residences, accessory buildings, fences and other miscellaneous structures.
- Firewood Removal
 - Remove exposed firewood located in Zone 1 which extends five to thirty feet (30 ft.) from each structure and from the property.



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- All combustible material removed from the project site will be disposed of at an approved facility.

Defensible Space- Zone 2

- **Roof Combustible Material Removal**
 - The "Roof Combustible Material Removal" mitigation measure includes removing all accumulated debris from the roof covering, roof valleys, wall intersections and gutters. Accumulated debris are susceptible to embers and direct flame contact and when ignited can expose combustible building components.
- **Miscellaneous Combustible Material Removal**
 - The Zone 2 "Miscellaneous Combustible Material Removal" mitigation measure is utilized for the removal of all combustible items within five feet (5 ft.) from each structure in Zone 2 or to provide desired minimum vertical clearance between lower limbs of aerial fuels or the desired minimum horizontal spacing between trees and shrubs as described in the General Guidelines for Creating Defensible Space, Plant Spacing Guidelines.
- **Vegetation Removal/Modification**
 - Vegetation Removal within Zone 2 which extends from thirty feet (30 ft.) to one hundred feet (100 ft.) from each structure, but not beyond the property line.
 - Vegetation horizontal or vertical separation distances shall be in compliance with the Board of Forestry General Guidelines for Creating Defensible Space (Appendix A), Reduced Fuel Zone: Fuel Separation Guidelines and Plant Spacing Guidelines table.
 - Groups of vegetation (numerous plants growing together less than 10 feet in total foliage width) may be treated as a single plant.
 - Vegetation removal will only be performed on the designated property. Property boundary delineations will be identified prior to the initiation of work. If flagging is required, the property boundary will be identified in red flagging.
 - It is the responsibility of the contractor to adhere to local ordinances regulating vegetation removal and to obtain applicable permits.
 - Vegetation will be removed to ground level.
 - Areas with equipment or work exclusions will be flagged prior to the initiation of work. Watershed and Lake Protection Zones (WLPZ) delineations will be identified with blue and white stripe flagging with "Watercourse and Lake Protection Zone" black print. Equipment Exclusion Zone delineations will be identified with yellow and white stripe flagging with "Equipment Exclusion Zone" black print.
 - All vegetation removed from the project site will be disposed of at an approved facility.
 - Vegetation chipped on site may only be distributed in Zone 2 and only to a permitted depth of 3 inches. Zone 2 extends from thirty feet (30 ft.) to one hundred feet (100 ft.) from each structure.



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 - No operations will be allowed on days identified by the National Weather Service as Fire Weather Watch or Red Flag Warning. The contractor will be responsible for adhering to any local daily Fire Danger and Project Activity Level requirements.
- Cutting of Annual Grasses and Forbs
 - Cutting of Annual Grasses and Forbs in Zone 2 which extends from thirty feet (30 ft.) to one hundred feet (100 ft.) from each structure.
 - Annual Grasses and Forbs will be mowed or cut and should not exceed 4 inches in height. If there are areas that need to be retained to a height not to exceed 18 inches above the ground, where necessary to stabilize the soil and prevent erosion, the areas will be flagged prior to the initiation of work.
 - The contractor will be responsible for adhering to requirements outlined in PRC 4427 (Operation of fire causing equipment), PRC 4431 (Gasoline powered saws, etc.; firefighting equipment) and PRC 4442 (Spark arresters or fire prevention measures; requirement; exemptions).
 - No operations will be allowed on days identified by the National Weather Service as Fire Weather Watch or Red Flag Warning. The contractor will be responsible for adhering to any local daily Fire Danger and Project Activity Level requirements.
- Log/Stump Removal
 - Stumps or logs located within Zone 2 which extends five to thirty feet (30 ft.) to one hundred feet (100 ft) from each structure, but not beyond the property line.
 - Stumps shall be removed, cut or mulched down to ground level.
 - All vegetation removed from the project site will be disposed of at an approved facility.
 - Stump material deposited on site may only be distributed in Zone 2 and only to a permitted depth of 3 inches. Zone 2 extends from thirty feet (30 ft.) to one hundred feet (100 ft.) from each structure.
 - The contractor will be responsible for adhering to requirements outlined in PRC 4427 (Operation of fire causing equipment), PRC 4431 (Gasoline powered saws, etc.; firefighting equipment) and PRC 4442 (Spark arresters or fire prevention measures; requirement; exemptions).
 - No operations will be allowed on days identified by the National Weather Service as Fire Weather Watch or Red Flag Warning. The contractor will be responsible for adhering to any local daily Fire Danger and Project Activity Level requirements.
- Tree Limbing



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- Tree limbing within Zone 2 which extends from thirty feet (30 ft.) to one hundred feet (100 ft.) from each structure.
- Lower limbs of trees will be limbed/pruned to at least 6 feet up to 15 feet (or the lower 1/3 branches for small trees).
- It is the responsibility of the contractor to adhere to local ordinances regulating tree trimming and to obtaining applicable permits.
- All vegetation removed from the project site will be disposed of at an approved facility.
- Vegetation chipped on site may only be distributed in Zone 2 and only to a permitted depth of 3 inches. Zone 2 extends from thirty feet (30 ft.) to one hundred feet (100 ft.) from each structure.
- The contractor will be responsible for adhering to requirements outlined in PRC 4427 (Operation of fire causing equipment), PRC 4431 (Gasoline powered saws, etc.; firefighting equipment) and PRC 4442 (Spark arresters or fire prevention measures; requirement; exemptions).
- No operations will be allowed on days identified by the National Weather Service as Fire Weather Watch or Red Flag Warning.
- The contractor will be responsible for adhering to any local daily Fire Danger and Project Activity Level requirements.
- The contractor will be responsible for the safe operation around utilities. The contractor will be responsible for contacting the Underground Service Alert <https://www.california811.org/> to assure all utilities will be avoided during site preparation and construction.
- The contractor shall utilize qualified tree workers as described in Title 8 California Code of Regulations Section 3420(b). The contractor shall comply with applicable requirements for tree workers identified in Title 8 California Code of Regulations for Tree Work, Maintenance or Removal including sections 3420-3427 & 3458. The contract shall also abide by other requirements in Title 8 California Code of Regulations including, section 2940,2 (Clearances from high-voltage power lines), 3203 (Injury and Illness Prevention), 3328 (Machinery and equipment), 3380 (Personal Protective Devices), 3395 (Heat Illness Prevention), and 3648 (Fall protection). For additional information see the Cal/OSHA Tree Work Safety Guide.
- Tree Felling
 - Tree felling for designated trees within Zone 2 which extends from thirty feet (30 ft.) to one hundred feet (100 ft.) from each structure, but not beyond the property line.
 - Tree separation distances shall be in compliance with the Board of Forestry General Guidelines for Creating Defensible Space (Appendix A), Reduced Fuel Zone: Fuel Separation guidelines and Plant Spacing Guidelines table.



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- Tree felling will only be performed on the designated property. Property boundary delineations will be identified prior to the initiation of work. If flagging is required, the property boundary will be identified in red flagging.
- It is the responsibility of the contractor to adhere to local ordinances regulating tree removal and to obtain applicable permits.
- Trees designated for removal will be marked with blue tracer paint. Designated trees will have a painted highly visible attention band 2" wide at eye level. The attention mark will be visible from 360 degrees and from at least 50 feet. Cut trees will also have two painted stump marks on all marked trees. The stump marks shall be placed in the furrows of the bark at ground level on the downhill and uphill sides of the trees. Stump marks will touch the ground and be at least 2" wide.
- Tree stumps will be removed to ground level.
- Areas with equipment or work exclusions will be flagged prior to the initiation of work. Watershed and Lake Protection Zones (WLPZ) delineations will be identified with blue and white stripe flagging with "Watercourse and Lake Protection Zone" black print. Equipment Exclusion Zone delineations will be identified with yellow and white stripe flagging with "Equipment Exclusion Zone" black print.
- All vegetation removed from the project site will be disposed of at an approved facility.
- Vegetation chipped on site may only be distributed in Zone 2 and only to a permitted depth of 3 inches. Zone 2 extends from thirty feet (30 ft.) to one hundred feet (100 ft.) from each structure.
- The contractor will be responsible for adhering to requirements outlined in PRC 4427 (Operation of fire causing equipment), PRC 4431 (Gasoline powered saws, etc.; firefighting equipment) and PRC 4442 (Spark arresters or fire prevention measures; requirement; exemptions).
- No operations will be allowed on days identified by the National Weather Service as Fire Weather Watch or Red Flag Warning. The contractor will be responsible for adhering to any local daily Fire Danger and Project Activity Level requirements.
- The contractor will be responsible for the safe operation around utilities. The contractor will be responsible for contacting the Underground Service Alert <https://www.california811.org/> to assure all utilities will be avoided during site preparation and construction.
- The contractor shall utilize qualified tree workers as described in Title 8 California Code of Regulations Section 3420(b). The contractor shall comply with applicable requirements for tree workers identified in Title 8 California Code of Regulations for Tree Work, Maintenance or Removal including sections 3420-3427 & 3458. The contract shall also abide by other requirements in Title 8 California Code of Regulations including, section 2940,2 (Clearances from high-voltage power lines), 3203 (Injury and Illness



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Prevention), 3328 (Machinery and equipment), 3380 (Personal Protective Devices), 3395 (Heat Illness Prevention), and 3648 (Fall protection). For additional information see the Cal/OSHA Tree Work Safety Guide.

Defensible Space-Other

- Building Address Retrofit
 - Shall comply with CBC 502 Building Address or CRC R319.1 Address Identification, 14 CCR State Minimum Fire Safe Regulations (SMFSR) or equivalent local ordinance. 14 CCR SMFSR proposing "addresses for residential Buildings shall be reflectorized".
- Chimney Spark Arrestor Retrofit
 - Chimney Spark Arrestor shall comply with CBC 2113.9.2 Spark Arrestors or CRC R1003.9.2 Spark Arrestors or equivalent local ordinance.
- Outbuilding Clearance
 - Outbuildings shall have 10 feet of clearance to bare mineral soil and no flammable vegetation for an additional 10 feet around their exterior, pursuant to 14 CCR § 1299.03(c)(1).
- Propane Tank Retrofit
 - Propane tank relocation shall comply with CFC Chapter 61 - Liquified Petroleum Gases including Section 6104 - Location of LP Gas Containers, Section 6104.3 - Container Location, and Section 6107 - Safety Precautions and Devices. Relocation standards described in Section 6104.3 will also consider distance to adjacent residences.
 - If it is not feasible to relocate a propane tank that is too close to a structure, a non-combustible barrier as described by the CBC Chapter 2 Definition "Noncombustible", may be installed between the propane tank and structure in compliance with CFC Chapter 61.
- Propane Tank Vegetation Clearance
 - Vegetation clearance around a propane tank shall comply with 14 CCR § 1299.03 (c)(1) and CFC Chapter 61 - Liquified Petroleum Gases, Section 6107.3 Clearance to Combustibles: Weeds, grass, brush, trash and other combustible materials shall be kept not less than 10 feet (3048 mm) from LP-gas tanks or containers.