

Fire Protection Plan Short Form

Trinity Meadows
Residential Development
County of San Diego Ca

Lead Agency:

County of San Diego
Planning and Development Services
Contact: James Pine
5510 Overland Avenue
San Diego, Ca 92123
858-495-5434

Prepared By:

Matt Simmons
Consultants Collaborative



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San Marcos Ca 92078
760-471-2365

Prepared For:

Trinity Pacific Investments
1565 Coast Boulevard
Del Mar, Ca 92014

July 6th, 2015

Project No. PDS2014-TM-5593; PDS2015-AD-15-036
Environmental Log No. PDS2014-ER-14-08-014

July 6th, 2015

County of San Diego
Department of Planning and Land Use
5510 Overland Ave
San Diego, CA 92123

Attn: James Pine, Deputy County Fire Marshal

Subject: Fire Protection Plan-Short Form for Trinity Meadows PDS 2013-MPA-13-017 APN 182-060-40 located at the northwest corner of San Pasqual Road, also commonly referred to as Highway 78, and Bear Valley Parkway.

This report is provided in response From Planning and Development Services (PDS) and the Escondido Fire Department (EFD) for a Fire Protection Plan Letter Report pursuant to Chapter 49 of the County of San Diego Consolidated Fire Code, to address:

- Location: Trinity Meadows, PDS 2013-MPA-13-017 APN 182-060-40 is located at the northwest corner of San Pasqual Road, also commonly referred to as Highway 78, and Bear Valley Parkway and is within a High Fire Severity Zone.
- Topography: Trinity Meadows, PDS 2013-MPA-13-017 APN 182-060-40 is located in Escondido on a site which gently slopes downward from the north and west boundaries to the south and east.
- Geology: Trinity Meadows, PDS 2013-MPA-13-017 APN 182-060-40 has no known geological aspects affecting fire.
- Flammable Vegetation: The entire site is composed of non-native grassland. The site continues to be disked and cleared on a regular basis. The site is bound on three sides (north, south, and west) by developed residential property. The eastern border of the site is disturbed and maintained non-native grassland.
- Climate: Southern California moderate to dry.

Along with the following fire-related issues:

1. Water Supply
2. Fire Access
3. Setback from Property Lines
4. Fire Protection Systems
5. Fire Protection Equipment
6. Defensible Space
7. Vegetation Management
8. Fire Behavior Model

1. **Water Supply.**

Fire hydrants, together with an adequate water supply, must be installed at locations acceptable to the City of Escondido Fire Department, and will be spaced 300' feet apart. The required fire flow for this project is 2500 gallons per minute at 20 psi residual pressure. Specific hydrant locations shall be determined with a separate submittal. Fire Hydrants and an approved all weather surface shall be in place and serviceable prior to the delivery of combustible construction materials to the site.

2. **Fire Access Roads.**

Fire Apparatus Access Roads Specifications, the roadway(s) within this project shall conform to County of San Diego minimum standards. The roadway serving this project shall have a minimum improved paved width of 24 feet and shall be able to hold the weight of the fire apparatus (75,000 LBS). Any other roadway features, such as cul-de-sacs, turn-outs, gates, etc. must meet the design criteria of the Fire District. All fire apparatus access roads shall have an unobstructed vertical clearance of not less than 13 feet 6 inches. Fire lanes may be required. Fire apparatus access roads, including private residential driveways, shall be required for every building hereafter constructed when any portion of an exterior wall of the first story is located more than 150 feet from the closest point of fire department vehicle access. The first layment of asphalt must be in place and serviceable prior to the delivery of combustible construction materials to the site.

Grade:

- a. Grades will be generally less than 7%, and at steepest are 11.34%.

Surface:

Private roads and driveways will be surfaced in accordance with Department of Public Works (DPW) Private Road Standards and the County of San Diego Parking Design Manual. All roadways and driveways are to be paved per Rincon Del Diablo Municipal Water District (RDDMWD) Ordinance 2013.116.1-3.

Maintenance:

- a. The individual property owner through a homeowners association (HOA) is responsible for maintaining driveways, gates and signs on their parcel in compliance with fire codes. Road easements, including gates and signs within the project, must also be maintained in compliance with fire codes in perpetuity. The property owners HOA will financially support the annual maintenance of all access roads on site.

3. **Setback from Property Lines:** All structures will be setback from property lines as required by the County Zoning Ordinance. All structures will have the minimum 100 feet of defensible space due to the fuel modification of the project as well as the fuel modification of adjacent properties.

4. **Fire Protection Systems:** Automatic fire sprinklers shall be installed in all occupancies residential and commercial per County of San Diego code. Building Construction shall conform to Chapter 7A of the California Building Code.

5. **Fire Protection Equipment:** All residences will have smoke detectors in each bedroom and hallway. Automatic Fire Sprinklers will be required in all structures. Automatic Fire Sprinklers will be designed using NFPA 13D system types to be determined during the plan approval process. Fire hydrants, together with an adequate water supply, must be installed at locations acceptable to the City of Escondido Fire Department, and will be spaced 300' feet apart, this is as the vehicle would drive. "No Parking" signs are required on streets 24 feet wide or less.

6. **Defensible Space:** A minimum 100 foot Fuel Management Zone (FMZ) will be established and maintained around all structures over 250 square feet per the Consolidated Fire Code Chapter 49 of the County of San Diego Consolidated Fire Code unless adjacent to existing development. No clearing of vegetation is proposed to occur off-site. In all circumstances the 100 foot Fuel Management Zone is maintained in Trinity Meadows. On the south and east San Pasqual Road (Highway 78), and Bear Valley Parkway, respectively utilize the paved road surface and the right of way to maintain the 100' Fuel Management Zone. Exhibit A showing the distance from the paved right away to the nearest setback can be seen in the Appendix section of this document. The north and west boundaries of the project are developed residential properties, which due to the developed nature effectively create a Fuel Modification Zone for those boundaries.

7. **Vegetation Management:** Prescribed Defensible Space will be maintained on at least an annual basis, or more often as needed. Planting within this region must be from an approved fire resistance planting materials list (list maintained by County of San Diego). The Property owner will be responsible for maintaining their own parcel in compliance with fire codes. Maintenance will be funded by the property owner and monitored by the City of Escondido Fire Department. Failure to maintain in compliance with fire codes subject owners to potential fines, and enforcement abatement by the Fire Agency or the County, with charges, including administrative cost and penalties, liened against the property.

8. **Fire Behavior Computer Modeling:** Computer Fire Behavior Model not required for this project per the County Fire Marshal.

Name of Person Preparing this Report

PREPARED BY  Date 7/6/2015

Printed Name: Matt Simmons

Title: VP Field Operations CCI

Name of Property Owner

Owner: BV Partners L.L.C. owning entity Date: 7/6/2015

Appendix

EXHIBIT 'A'

TRINITY MEADOWS SUBDIVISION FIRE PROTECTION SETBACKS

SHEET 1 OF 1



--- 100' R/W OFFSET FOR FIRE BUFFER LIMITS

--- 25' REAR YARD SETBACK FOR STRUCTURES

- LOTS 1 TO 22 ARE RESIDENTIAL LOTS
- LOT 'A' IS A PRIVATE ROAD
- LOTS 'B' & 'C' ARE WATER QUALITY LOTS



SCALE: 1"=200'

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PH: (925) 796-8018 FX: (925) 796-1880

May 13, 2015

Recommended Plant List

For Fuel Modification Projects in San Diego, Riverside, and Orange Counties

	Code	Botanical Name	Common Name	Plant Form
1.	W	Abelia x grandiflora	Glossy Abelia	Shrub
2.	☐	Acacia redolens desert carpet	Desert Carpet	Shrub
3.	☐	Acer macrophyllum	Big Leaf Maple	Tree
4.	X	Achillea millefolium	Common Yarrow	Low shrub
5.	W	Achillea tomentosa	Wooly Yarrow	Low shrub
6.	X	Aeonium decorum	Aeonium	Ground cover
7.	X	Aeonium simsii	ncn	Ground cover
8.	W	Agave attenuata	Century Plant	Succulent
9.	W	Agave shawii	Shaw's Century Plant	Succulent
10.	N	Agave victoriae-reginae	ncn	Ground cover
11.	X	Ajuga reptans	Carpet Bugle	Ground cover
12.	W	Alnus cordata	Italian Alder	Tree
13.	☐	Alnus rhombifolia	White Alder	Tree
14.	N	Aloe aborescens	Tree Aloe	Shrub
15.	N	Aloe aristata	ncn	Ground cover
16.	N	Aloe brevifolia	ncn	Ground cover
17.	W	Aloe vera	Medicinal Aloe	Succulent
18.	W	Alyogyne huegelii	Blue Hibiscus	Shrub
19.	☐	Ambrosia chamissonis	Beach Bur-Sage	Perennial
20.	☐	Amorpha fruticosa	Western False Indigobush	Shrub
21.	W	Anigozanthus flavidus	Kangaroo Paw	Perennial accent
22.	☐	Antirrhinum nuttalianum ssp. nuttalianum	ncn	Subshrub
23.	X	Aptenia cordifolia x 'Red Apple'	Red Apple Aptenia	Ground cover
24.	W	Arbutus unedo	Strawberry Tree	Tree
25.	W	Arctostaphylos 'Pacific Mist'	Pacific Mist Manzanita	Ground cover
26.	W	Arctostaphylos edmundsii	Little Sur Manzanita	Ground cover
27.	☐	Arctostaphylos glandulosa ssp.glandulosa	Eastwood Manzanita	Shrub
28.	W	Arctostaphylos hookeri 'Monterey Carpet'	Monterey Carpet Manzanita	Low shrub

- X = Plant species prohibited in wet and dry fuel modification zones adjacent to native open space lands. Acceptable on all other fuel modification locations and zones.
- W = Plant species appropriate for use in wet fuel modification zones adjacent to native open space lands. Acceptable in all other wet and irrigated dry (manufactured slopes) fuel modification locations and zones.
- ☐ = Plant species native to Riverside, Orange and San Diego Counties. Acceptable in all fuel modification (wet or dry zones) in all locations.
- N = Plant species acceptable on a limited basis (maximum 30% of the area at time of planting) in wet fuel modification zones adjacent to native open space reserve lands. Acceptable in all other fuel modification locations and zones.
- If seed collected from local seed source.
 - Not native plant species but can be used in all fuel modification zones.
 - ☐ = Plant species acceptable on a limited use basis. Refer to qualification requirements starting on page 14.

	Code	Botanical Name	Common Name	Plant Form
29.	N	Arctostaphylos pungens	ncn	Shrub
30.	N	Arctostaphylos refugioensis	Refugio Manzanita	Shrub
31.	W	Arctostaphylos uva-ursi	Bearberry	Ground cover
32.	W	Arctostaphylos x 'Greensphere'	Greensphere Manzanita	Shrub
33.	N	Artemisia caucasica	Caucasian Artemisia	Ground cover
34.	X	Artemisia pycnocephala	Beach Sagewort	Perennial
35.	X	Atriplex canescens	Four-Wing Saltbush	Shrub
36.	X	Atriplex lentiformis ssp. Breweri	Brewer Saltbush	Shrub
37.	□	Baccharis emoryi	Emory Baccharis	Shrub
38.	W □	Baccharis pilularis ssp. Consanguinea	Chaparral Bloom	Shrub
39.	X	Baccharis pilularis var. pilularis "Twin Peaks #2"	Twin Peaks	Ground cover
40.	□	Baccharis salicifolia	Mulefat	Shrub
41.	N	Baileya multiradiata	Desert Marigold	Ground cover
42.	W	Beaucarnea recurvata	Bottle Palm	Shrub/Small tree
43.	N □	Bougainvillea spectabilis	Bougainvillea	Shrub
44.	N □	Brahea armata	Mexican Blue Palm, Blue Hesper Palm	Palm
45.	N □	Brahea brandegeei	San Jose Hesper Palm	Palm
46.	N □	Brahea edulis	Guadalupe Palm	Palm
47.	□	Brickellia californica	ncn	Subshrub
48.	W □	Bromus carinatus	California Brome	Grass
49.	□	Camissonia cheiranthifolia	Beach Evening Primrose	Perennial subshrub
50.	N	Carissa macrocarpa	Green Carpet Natal Plum	Ground cover/Shrub
51.	X	Carpobrotus chilensis	Sea Fig Ice Plant	Ground cover
52.	W	Ceanothus gloriosus 'Point Reyes'	Point Reyes Ceanothus	Shrub

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53.	W	Ceanothus griseus "Louis Edmunds'	Louis Edmunds Ceanothus	Shrub
54.	W	Ceanothus griseus horizontalis	Yankee Point	Ground Cover
55.	W	Ceanothus griseus var. horizontalis	Carmel Creeper Ceanothus	Shrub
56.	W	Ceanothus griseus var. horizontalis "Yankee Point"	Yankee Point Ceanothus	Shrub
57.	□	Ceanothus megacarpus	Big Pod Ceanothus	Shrub
58.	W	Ceanothus prostratus	Squaw carpet ceanothus	Shrub
59.	□	Ceanothus spinosus	Green bark ceanothus	Shrub
60.	W	Ceanothus verrucosus	Wart-Stem Ceanothus	Shrub
61.	W	Cerastium tomentosum	Snow-in-summer	Ground cover/shrub
62.	W	Ceratonia siliqua	Carob	Tree
63.	W	Cercis occidentalis	Western Redbud	Tree/shrub
64.	X	Chrysanthemum leucanthemum	Oxeye Daisy	Groundcover
65.	W	Cistus crispus	ncn	Shrub
66.	W	Cistus hybridus	White Rockrose	Shrub
67.	W	Cistus incanus	ncn	Shrub
68.	W	Cistus incanus ssp. corsicus	ncn	Shrub
69.	W	Cistus salviifolis	Sageleaf Rockrose	Shrub
70.	W	Cistus x purpureus	Orchid Rockrose	Shrub
71.	W	Citrus species	Citrus	Tree
72.	□	Clarkia bottae	Showy Fairwell to Spring	Annual
73.	□	Cneoridium dumosum	Bushrue	Shrub
74.	□	Collinsia heterophylla	Chinese Houses	Annual
75.	W □	Comarostaphylis diversifolia	Summer Holly	Shrub
76.	N	Convolvulus cneorum	Bush Morning Glory	Shrub

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77.	W	Coprosma kirkii	Creeping Coprosma	Ground cover/Shrub
78.	W	Coprosma pumila	Prostrate Coprosma	Low Shrub
79.	☐	Coreopsis californica	California Coreopsis	Annual
80.	W	Coreopsis lanceolata	Coreopsis	Ground cover
81.	N	Correa pulchella	Australian Fuchsia	Ground cover
82.	W	Cotoneaster buxifolius	ncn	Shrub
83.	W	Cotoneaster congestus 'Likiang'	Likiang Cotoneaster	Ground cover/Vine
84.	W	Cotoneaster parneyi	ncn	Shrub
85.	X	Crassula lactea	ncn	Ground cover
86.	X	Crassula multicava	ncn	Ground cover
87.	X	Crassula ovata	Jade Tree	Shrub
88.	X	Crassula tetragona	ncn	Ground cover
89.	W ☐	Croton californicus	California Croton	Ground cover
90.	X	Delosperma 'alba'	White Trailing Ice Plant	Ground cover
91.	☐	Dendromecon rigida	Bush Poppy	Shrub
92.	☐	Dichelostemma capitatum	Blue Dicks	Herb
93.	N	Distictis buccinatoria	Blood-Red Trumpet Vine	Vine/Climbing vine
94.	N	Dodonaea viscosa	Hopseed Bush	Shrub
95.	X	Drosanthemum floribundum	Rosea Ice Plant	Ground cover
96.	X	Drosanthemum hispidum	ncn	Ground cover
97.	X	Drosanthemum speciosum	Dewflower	Ground cover
98.	☐	Dudleya lanceolata	Lance-leaved Dudleya	Succulent
99.	☐	Dudleya pulverulenta	Chalk Dudleya	Succulent
100.	W	Elaeagnus pungens	Silverberry	Shrub
101	☐	Encelia californica	California Encelia	Small shrub

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102.	☐ •	Epilobium canum [Zauschneria californica]	Hoary California Fuchsia	Shrub
103.	☐	Eriastrum sapphirinum	Mojave Woolly Star	Annual
104.	N	Eriobotrya japonica	Loquat	Tree
105.	☐	Eriodictyon crassifolium	Thick-Leaf Yerba Santa	Shrub
106.	☐	Eriodictyon trichocalyx	Yerba Santa	Shrub
107.	W ☐	Eriophyllum confertiflorum	ncn	Shrub
108.	W	Erythrina species	Coral Tree	Tree
109.	N	Escallonia species	Several varieties	Shrub
110.	W ☐	Eschscholzia californica	California Poppy	Flower
111.	X	Eschscholzia mexicana	Mexican Poppy	Herb
112.	N	Euonymus fortunei	Winter Creeper Euonymus	Ground cover
113.	N	Feijoa sellowiana	Pineapple Guava	Shrub/Tree
114.	N	Fragaria chiloensis	Wild Strawberry/ Sand Strawberry	Ground cover
115.	☐	Frankenia salina	Alkali Heath	Ground cover
116.	W	Fremontodendron californicum	California Flannelbush	Shrub
117.	X	Gaillardia x grandiflora	Blanketflower	Ground cover
118.	W	Galvezia speciosa	Bush Snapdragon	Shrub
119.	W	Garrya ellipta	Silktassel	Shrub
120.	X	Gazania hybrids	South African Daisy	Ground cover
121.	X	Gazania rigens leucolaena	Trailing Gazania	Ground cover
122.	☐	Gilia capitata	Globe Gilia	Perennial
123.	W	Gilia lepthantha	Showy Gilia	Perennial
124.	W	Gilia tricolor	Bird's Eyes	Perennial
125.	W	Ginkgo biloba	Maidenhair Tree	Tree
126.	☐	Gnaphalium californicum	California Everlasting	Annual
127.	W	Grewia occidentalis	Starflower	Shrub
128.	☐	Grindelia stricta	Gum Plant	Ground cover

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129.	N <input type="checkbox"/>	Hakea suaveolens	Sweet Hakea	Shrub
130.	W	Hardenbergia comptoniana	Lilac Vine	Shrub
131.	N	Helianthemum mutabile	Sunrose	Ground cover/Shrub
132.	<input type="checkbox"/>	Helianthemum scoparium	Rush Rose	Shrub
133.	<input type="checkbox"/>	Heliotropium curassavicum	Salt Heliotrope	Ground cover
134.	X	Helix canariensis	English Ivy	Ground cover
135.	W	Hesperaloe parviflora	Red Yucca	Perennial
136.	<input type="checkbox"/> <input type="checkbox"/>	Heteromeles arbutifolia	Toyon	Shrub
137.	X	Hypericum calycinum	Aaron's-Beard	Shrub
138.	N	Iberis sempervirens	Edging Caandytuft	Ground cover
139.	N	Iberis umbellatum	Globe Candytuft	Ground cover
140.	<input type="checkbox"/>	Isocoma menziesii	Coastal Goldenbush	Small shrub
141.	<input type="checkbox"/>	Isomeris arborea	Bladderpod	Shrub
142.	W	Iva hayesiana	Poverty Weed	Ground cover
143.	N	Juglans californica	California Black Walnut	Tree
144.	<input type="checkbox"/>	Juncus acutus	Spiny Rush	Perennial
145.	<input type="checkbox"/>	Keckiella antirrhinoides	Yellow Bush Penstemon	Subshrub
146.	<input type="checkbox"/>	Keckiella cordifolia	Heart Leaved Penstemon	Subshrub
147.	<input type="checkbox"/>	Keckiella ternata	Blue Stemmed Bush Penstemon	Subshrub
148.	W	Kniphofia uvaria	Red Hot Poker	Perennial
149.	W	Lagerstroemia indica	Crape Myrtel	Tree
150.	W	Lagunaria patersonii	Primrose Tree	Tree
151.	X	Lampranthus aurantiacus	Bush Ice Plant	Ground cover
152.	X	Lampranthus filicaulis	Redondo Creeper	Ground cover
153.	X	Lampranthus spectabilis	Trailing Ice Plant	Ground cover
154.	W	Lantana camara cultivars	Yellow Sage	Shrub
155.	W	Lantana montevidensis	Trailing Lantana	Shrub
156.	<input type="checkbox"/>	Lasthenia californica	Dwarf Goldfields	Annual

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157.	W	Lavandula dentata	French Lavendar	Shrub
158.	W	Leptospermum laevigatum	Australian Tea Tree	Shrub
159.	W	Leucophyllum frutescens	Texas Ranger	Shrub
160.	□	Leymus condensatus	Giant Wild Rye	Large grass
161.	N	Ligustrum japonicum	Texas Privet	Shrub
162.	X	Limonium pectinatum	ncn	Ground cover
163.	X	Limonium perezii	Sea Lavender	Shrub
164.	W □	Liquidambar styraciflua	American Sweet Gum	Tree
165.	W	Liriodendron tulipifera	Tulip Tree	Tree
166.	X	Lonicera japonica 'Halliana'	Hall's Japanese Honeysuckle	Vining shrub
167.	□	Lonicera subspicata	Wild Honeysuckle	Vining shrub
168.	X	Lotus corniculatus	Bird's Foot Trefoil	Ground cover
169.	□	Lotus heermannii	Northern Woolly Lotus	Perennial
170.	□	Lotus scoparius	Deerweed	Shrub
171.	W	Lupinus arizonicus	Desert Lupine	Annual
172.	W	Lupinus benthamii	Spider Lupine	Annual
173.	□	Lupinus bicolor	Sky Lupine	Flowering annual
174.	□	Lupinus sparsiflorus	Loosely Flowered Annual Lupini/Coulter's Lupine	Annual
175.	W	Lyonothamnus floribundus ssp. asplenifolius	Fernleaf Ironwood	Tree
176.	W	Macadamia Integrifolia	Macadamia Nut	Tree
177.	W	Mahonia aquifolium 'Golden Abundance'	Golden Abundance Oregon Grape	Shrub

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178.	W	Mahonia nevinii	Nevin Mahonia	Shrub
179.	□	Malacothamnus fasciculatus	Chaparral Mallow	Shrub
180.	X	Malephora luteola	Trailing Ice Plant	Ground cover
181.	W	Maytenus boaria	Mayten Tree	Tree
182.	W	Melaleuca nesophila	Pink Melaleuca	Shrub
183.	N	Metrosideros excelsus	New Zealand Christmas Tree	Tree
184.	□ •	Mimulus species	Monkeyflower	Flower
185.	□	Mirabilis californica	Wishbone Bush	Perennial
186.	N	Myoporum debile	ncn	Shrub
187.	N	Myoporum insulare	Boobyalla	Shrub
188.	W	Myoporum parvifolium	ncn	Ground cover
189.	W	Myoporum 'Pacificum'	ncn	Shrub
190.	□	Nassella [stipa] lepida	Foothill needlegrass	Ground cover
191.	□	Nassella [stipa] pulchra	Purple needlegrass	Ground cover
192.	□	Nemophila menziesii	Baby Blue Eyes	Annual
193.	X	Nerium oleander	Oleander	Shrub
197.	□	Oenothera hookeri	California Evening Primrose	Flower
198.	W	Oenothera speciosa	Showy Evening Primrose	Perennial
199.	X	Ophiopogon japonicus	Mondo Grass	Ground cover
200.	□ •	Opuntia littoralis	Prickly Pear	Cactus
201.	□ •	Opuntia oricola	Oracle Cactus	Cactus
202.	□ •	Opuntia prolifera	Coast Cholla	Cactus
203.	W	Osmanthus fragrans	Sweet Olive	Shrub
204.	X	Osteospermum fruticosum	Trailing African Daisy	Ground cover
205.	X	Parkinsonia aculeata	Mexican Palo Verde	Tree
206.	W	Pelargonium peltatum	Ivy Geranium	Ground cover

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	Code	Botanical Name	Common Name	Plant Form
207.	X	Penstemon species	Beard Tongue	Shrub
208.	W	Photinia fraseri	ncn	Shrub
209.	W	Pistacia chinensis	Chinese Pistache	Tree
210.	X	Pittosporum undulatum	Victorian Box	Tree
211.	□	Plantago erecta	California Plantain	Annual
212.	••	Plantago insularis	Woolly Plantain	Annual
213.	X	Plantago sempervirens	Evergreen Plantain	Ground cover
214.	W	Platanus racemosa	California Sycamore	Tree
215.	W	Plumbago auriculata	Plumbago Cape	Shrub
216.	□	Populus fremontii	Western Cottonwood	Tree
217.	X	Portulacaria afra	Elephant's Food	Shrub
218.	□	Potentilla glandulosa	Sticky Cinquefoil	Subshrub
219.	X	Potentilla tabernaemontanii	Spring Cinquefoil	Ground cover
220.	X	Prunus caroliniana	Carolina Cherry Laurel	Shrub/Tree
221.	□	Prunus ilicifolia ssp. ilicifolia	Holly Leaved Cherry	Shrub
222.	X	Prunus lyonii	Catalina Cherry	Shrub/Tree
223.	N	Punica granatum	Pomegranate	Shrub/Tree
224.	W	Puya species	Puya	Succulent/shrub
225.	W	Pyracantha species	Firethorn	Shrub
226.	□	Quercus agrifolia	Coast Live Oak	Shrub
227.	□□•	Quercus berberdifolia	California Scrub Oak	Shrub
228.	□□•	Quercus dumosa	Coastal Scrub Oak	Shrub
229.	X	Quercus engelmannii	Engelmann Oak	Tree

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	Code	Botanical Name	Common Name	Plant Form
230.	X	Quercus suber	Cork Oak	Tree
231.	X	Rhamnus alaternus	Italian Buckthorn	Shrub
232.	□	Rhamnus californica	California Coffee Berry	Shrub
233.	□	Rhamnus crocea	Redberry	Shrub
234.	□	Rhamnus crocea ssp. ilicifolia	Hollyleaf Redberry	Shrub
235.	N	Rhaphiolepis species	Indian Hawthorn	Shrub
236.	□	Rhus integrifolia	Lemonade Berry	Shrub
237.	N	Rhus lancea	African Sumac	Tree
238.	□ □	Rhus ovata	Sugarbush	Shrub
239.	□	Ribes aureum	Golden Currant	Shrub
240.	□	Ribes indecorum	White Flowering Currant	Shrub
241.	□	Ribes speciosum	Fuchsia Flowering Gooseberry	Shrub
242.	W	Ribes viburnifolium	Evergreen Currant	Shrub
243.	□ ●	Romneya coulteri	Matilija Poppy	Shrub
244.	X	Romneya coulteri 'White Cloud'	White Cloud Matilija Poppy	Shrub
245.	W □	Rosmarinus officinalis	Rosemary	Shrub
246.	W □	Salvia greggii	Autumn Sage	Shrub
247.	W □	Salvia sonomensis	Creeping Sage	Ground cover
248.	□	Sambucus mexicana	Mexican Elderberry	Tree
249.	W	Santolina chamaecyparissus	Lavender Cotton	Ground cover
250.	W	Santolina virens	Green Lavender Cotton	Shrub
251.	□	Satureja chandleri	San Miguel Savory	Perennial
252.	□	Scirpus acutus	Hard-Stem Bulrush	Perennial
253.	□	Scirpus californicus	California Bulrush	Perennial

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	Code	Botanical Name	Common Name	Plant Form
254.	X	Sedum acre	Goldmoss Sedum	Ground cover
255.	X	Sedum album	Green Stonecrop	Ground cover
256.	X	Sedum confusum	ncn	Ground cover
257.	X	Sedum llineare	ncn	Ground cover
258.	X	Sedum x rubrotinctum	Pork and Beans	Ground cover
259.	X	Senecio serpens	ncn	Ground cover
260.	□	Sisyrinchium bellum	Blue-Eyed Grass	Ground cover
261.	□	Solanum douglasii	Douglas Nightshade	Shrub
262.	□	Solanum xantii	Purple Nightshade	Perennial
263.	W	Stenocarpus sinuatus	Firewheel Tree	Tree
264.	W	Strelitzia nicolai	Giant Bird of Paradise	Perennial
265.	W	Strelitzia reginae	Bird of Paradise	Perennial
266.	□	Symphoricarpos mollis	Creeping Snowberry	Shrub
267.	W	Tecoma stans [Stenolobium stans]	Yellow Bells	Shrub/Small tree
268.	X	Tecomaria capensis	Cape Honeysuckle	Ground cover
269.	N	Teucrium chamaedrys	Germander	Ground cover
270.	N	Thymus serpyllum	Lemon Thyme	Ground cover
271.	N	Trachelospermum jasminoides	Star Jasmine	Shrub
272.	□	Trichostema lanatum	Woolly Blue- Curls	Shrub
273.	X	Trifolium hirtum 'Hyron'	Hyron Rose Clover	Ground cover
274.	X	Trifolium fragiferum 'O'Connor's'	O'Connor's Legume	Ground cover
275.	□	Umbellularia californica	California Laurel	Tree
276.	□	Verbena lasiostachys	Western Vervain	Perennial

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	Code	Botanical Name	Common Name	Plant Form
277.	N	Verbena peruviana	ncn	Ground cover
278.	X	Verbena species	Verbena	Ground cover
279.	X	Vinca minor	Dwarf Periwinkle	Ground cover
280.	□	Vitis girdiana	Desert Wild Grape	Vine
281.	X	Vulpia myuros 'Zorro'	Zorro Annual Fescue	Grass
282.	W	Westringia fruticosa	ncn	Shrub
283.	W	Xanthorrhoea species	Grass Tree	Perennial accent/ Shrub
284.	W	Xylosma congestum	Shiny Xylosma	Shrub
285.	X	Yucca species	Yucca	Shrub
286.	□	Yucca whipplei	Yucca	Shrub

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QUALIFICATION STATEMENTS FOR SELECT PLANT SPECIES

☐ = Plant species acceptable on a limited use basis:

2. Acacia redolens desert carpet

May be used in the upper 1/2 of fuel modification zone 2 (30 to 70 feet). The plants may be planted at 8 feet on center minimum spacing in meandering zones not to exceed a mature width of 24 feet or a mature height of 24 feet.

43. Bougainvillea spectabilis [procumbent varieties]

Procumbent to mounding varieties may be used in the mid fuel modification zone 2 (30 to 70 feet). The plants may be planted in clusters at 6 feet on center spacing not to exceed 8 plants per cluster. Mature spacing between individual plants or clusters shall be 30 feet minimum.

44. Brahea armata

45. Brahea brandegeei

46. Brahea edulis

May be used in the upper and mid fuel modification zone 2 (30 to 70 feet). The plants shall be used as single specimens with mature spacing between palms of 30 feet minimum.

129. Hakea suaveolens

May be used in the mid fuel modification zone 2 (30-70 feet). The plants shall be used as single specimens with mature spacing between plants of 30 feet minimum.

136. Heteromeles arbutifolia

May be used in the mid to lower fuel modification zone 2 (30 to 70 feet). The plants may be planted in clusters of up to 3 plants per cluster. Mature spacing between individual plants or cluster shall be 30 feet minimum.

164. Liquidambar styraciflua

May be used in the mid to lower fuel modification zone 2 (30 to 70 feet). The plant shall be used as single specimens with mature spacing between trees at 30 feet minimum.

227. Quercus berberdifolia

228. Quercus dumosa

May be used in the mid to lower fuel modification zone 2 (30 to 70 feet). The plants may be planted in clusters of up to 3 plants per cluster. Mature spacing between individual plants or clusters shall be 30 feet minimum.

238. Rhus ovata

May be used in the mid to lower fuel modification zone 3 (30 to 70 feet) within inland areas only. The plants may be planted in clusters of up to 3 plants per cluster. Mature spacing between individual plants or clusters shall be 30 feet minimum.

245. Rosmarinus officinalis

246. Salvia greggii

247. Salvia sonomensis

May be used in the mid to upper fuel modification zone 2 (30 to 70 feet). The plants may be planted in clusters of up to 3 plants per cluster. Mature spacing between individual plants or clusters shall be 15 feet minimum.

Not-Recommended Plant List

For Fuel Modification Projects in San Diego, Riverside, and Orange Counties

	Botanical Name	Common Name	Plant Form
1.	Acacia species •	Acacia	Shrub/Tree
2.	Adenostoma fasciculatum	Chamise	Shrub
3.	Adenostoma sparsifolium	Red Shank	Shrub/Tree
4.	Artemisia californica	California Sagebrush	Shrub
5.	Bamboos	Bamboo	Shrub
6.	Cedrus species	Cedar	Tree
7.	Cupressus species	Cypress	Tree
8.	Eriogonum fasciculatum	Common Buckwheat	Shrub
9.	Eucalyptus species	Eucalyptus	Shrub/Tree
10.	Juniperus species	Junipers	Succulent
11.	Pennisetum	Fountain Grass	Ground cover
12.	Pinus species	Pines	Tree
13.	Rosmarinus species	Rosemary	Shrub
14.	Salvia species ••	Sage	Shrub

- Except:
 Acacia redolens desert carpet (Desert Carpet ground cover)
- Except:
 Salvia colubariae (chia)
 Salvia sonomensis (Creeping Sage)