

Bid Specifications Fuel Modification

Puente Hills Habitat Preservation Authority (Habitat Authority)

Hand Work 2020

La Habra Heights



**NOTICE OF INVITING SEALED BIDS FOR
Fuel Modification
HAND WORK
La Habra Heights**

Feb. 11, 2020- 9:30 am: Mandatory Job Walk
Feb 18, 2020- 10 am: Questions due
March 3, 2020- 10am: Bids due

Each bid must be submitted in a sealed envelope and on the forms available in the bidder's packet and shall be identified as "Fuel Modification – Habitat Authority Properties LHH– Do Not Open with Regular Mail" on the envelope. No telegraphic or telephonic proposal will be considered.

Each bid must be submitted to 7702 Washington Avenue, Suite C, Whittier, CA 90602, on or before 10:00 a.m. on Tuesday, March 3, 2020, and will be opened shortly thereafter, and will be submitted to the Habitat Authority Board for award of a contract or rejection of the bids as they may deem wise in its discretion.

A **mandatory job walk** is scheduled for **9:30 a.m. Tuesday, February 11th** at City of La Habra Heights' The Park, located at the intersection of Encanada Dr. and Hacienda Rd. Please RSVP to Melissa Miller at mmiller@habitatauthority.org.

For more information contact Deputy Chief Ranger Kenn Hughes at (310) 858-7272 extension 227 or Andrea Gullo, Executive Director, (562) 945-9003, agullo@habitatauthority.org

Questions can be answered about the specifications and project by submitting them in writing before or by Tuesday, **February 18** at 10 am to agullo@HabitatAuthority.org. Or calling 562-945-9003.

Dated: This 27th day of February 2020.

SPECIFICATIONS FOR FUEL MODIFICATION HABITAT AUTHORITY PROPERTIES

REQUIREMENT: Weed and Brush Abatement Program –Hand Work

The area of work contains sensitive resources and the Contractor is expected to address the scope of work with discernment for the native habitat. Contractor shall be expected to avoid clearing native vegetation in as much possible when the regulations allow for it (such as within an area that requires thinning versus complete clearing). Also, Contractor shall be sensitive to the possible fire hazard risk associated with operating machinery in natural open space areas. Contractor shall be aware of the environment and take necessary precautions such as to not disturb/harm rattlesnakes, identify and avoid poison oak, and watch footing on uneven ground.

The abatement shall include, but not be restricted to weeds, vines, shrubs, dead trees or brush which bear seeds of a wingy or downy nature; or which attain such a large growth as to become a fire menace when dry; or which contain poisonous oils; or which are otherwise noxious or dangerous or harmful to the public health, safety, and welfare. Work to be completed is identified by exhibits included. All work can be accomplished by hand without mechanical.

Contractor shall coordinate all work with Habitat Authority or its designated representative. Deputy Chief Ranger Kenn Hughes of the Mountains Recreation and Conservation Authority (under contract with the Habitat Authority) is the current field representative.

The contract will be valid for one year, renewable on a yearly basis for potentially up to five consecutive years total. The work includes clearing at least once a year unless specified for more frequent clearing, plus any necessary follow-up clearings to meet Habitat Authority satisfaction.

Work must be completed within 21 calendar days, or as may be extended by Habitat Authority if requested by contractor due to unavoidable issues. Work shall be performed on a continuous basis on all parcels specified. Work shall be finished preferably by **June 1, 2020 and by May 1 each year after** that unless otherwise instructed by the Habitat Authority or their representative. This May 1 deadline most likely can be extended but only as approved by Habitat Authority representative. If work is not completed by that time, the work may be given to a different contractor.

DEFINITIONS

Whenever the following terms are used in these specifications, they shall be understood to mean and refer to the following:

1. Contractor – Shall be referred to hereafter as the person or persons, company, firm or corporation who has been awarded a fuel modification contract from the Habitat Authority.

SCOPE OF WORK

1. All work shall be done in a prescribed manner as determined by the Habitat Authority or its designee, i.e. Deputy Chief Ranger Kenn Hughes. The Contractor shall be given pertinent instructions of each parcel to be cleared.
2. The Contractor shall at all times have one (1) person whom shall be responsible for the conduct and supervision of the crew, and shall speak english.
3. Contractor shall furnish a truck with at least 12 feet of bed length or a 2-½ ton dump truck. Truck will be driven by a competent and licensed operator.
4. Contractor shall at all times furnish adequate equipment and personnel/crews needed to complete the required work in the most efficient manner and meet deadline.
5. Hand clearing charges on parcels to be cleared will include the loading and hauling of vegetative materials, that are to be removed, to the nearest dumpsite. Vegetation shall be removed within 48 hours of clearing and shall not remain on site, including chipped materials.
6. The contractor shall obey all State and Federal laws and codes, all local ordinances and regulation and any other laws, codes, ordinances and regulations that may apply. It is the responsibility of the contractor to keep informed of these laws, codes, ordinances and regulations and to keep informed of any changes to them.
7. The Habitat Authority reserves the right to increase or decrease the amount of any item or portion of the work as may be recommended by the Fire Marshal. Furthermore, the Habitat Authority will have the right to require the Contractor to make subsequent changes in the work schedule should changes in the weather or natural conditions require an increase or decrease in the frequency of the fuel modification work.

Scope of the project may be adjusted as new developments will warrant more or less clearing.

8. All clearing must meet these specifications as designed to be consistent with City Fire Code and must be approved by the Habitat Authority designee upon review by the City Fire Marshal, or designee prior to invoice payment.

9. Contractor is expected to work steadily once work has started in order to complete work assigned in a timely manner.
10. Should the Habitat Authority receive a notice or request from the City of La Habra Heights to address an area(s) that needs to be cleared or cleared again, the Contractor has 10 calendar days after notice by Habitat Authority to take corrective action or jeopardize having that area eliminated from the contract for that season or having the contract terminated.

11. Care of Property/Property Damage/Property Erosion

Care of Property

The Contractor shall take reasonable precautions to not disturb temporary and/or permanent property (i.e., survey stakes, signs, sign posts, gates, and fencing) while performing the abatement activities. Care shall be taken to avoid damage to public and private roadways, driveways, sidewalks, and curbing. Fences, gates, etc., removed by the Contractor to gain access to a property shall be returned to the same condition as originally found.

Damage

All damage to public or private property arising from a contractor clearing operation shall be the responsibility of the Contractor unless determined otherwise by Deputy Chief Ranger Hughes. It shall be the responsibility of the Contractor to investigate all damage complaints and make satisfactory settlement in those cases where actual damage has occurred.

The contractor will promptly notify the Habitat Authority of any damage to public or private property as a result of fuel modification operations.

Erosion

If erosion resulting from the scheduled clearing activities is a concern, the Contractor should contact the Deputy Chief Ranger Kenn Hughes or Habitat Authority representative for further instructions prior to performing any clearance activities.

12. Performance Standards

All work which is determined by the Habitat Authority or its designee to be unacceptable or deficient in any of the requirements of the bid shall be remedied by the Contractor at his expense in a manner acceptable to the Habitat Authority.

Performance standards, including maps and work details, are attached explaining and illustrating work in Zones 1-12.

Conduct

Crew workers and supervisors shall conduct themselves in a courteous manner with all residents, City representatives, and Habitat Authority representatives.

General Standards of Care

Weed growth shall be removed as close to fences, hedges, trees, and structures as is practical to work equipment without causing damage to said fences, hedges, trees, and structures. Abatement activities shall be performed in such a manner that inconvenience to adjacent residents shall be minimized.

Abatement Standards

The intent of the work is to help prevent the spread of fires, provide defensible space for firefighters and mitigate the problems associated with severe tumbleweed infestations. All work standards shall be under the authority of Deputy Chief Ranger Kenn Hughes or Habitat Authority representative.

Weed whack

Clear brush to the ground unless specified otherwise on the maps provided and haul away debris.

Mowing (If permitted)

Flail mowers must be capable of cutting weeds and small brush of up to two (2) inches in diameter down to a height of no higher than three (3) inches. The stubble remaining shall have an overall even appearance and not look pushed over or ragged.

13. EQUIPMENT

All vehicular equipment driven on or near the Preserve must be equipped at all times with fire safety equipment.

- (a) All trucks and power equipment with internal combustion engines must be equipped with a United States Forest Service approved type spark arrester.
- (b) At least two (2) fire extinguishers shall be required on each truck and job site. They must be Underwriters Laboratory approved, 2.5 gallon chemical, all purpose ABC type, ready and available for use at all times. Fire extinguishers shall display current inspection tag throughout the term of the contract. Contractor to carry on each truck one four-foot ground shovel.
- (c) A fire extinguisher shall be required on each tractor/mower. It must be Underwriters Laboratory approved, 20-pounds, dry chemical, all-purpose ABC type to be mounted on each tractor, ready and available for use at all times. Fire extinguishers shall display current inspection tag throughout the term of the contract.

Additional equipment may be required for fire safety as determined by Deputy Chief Ranger Hughes or Habitat Authority representative.

All equipment shall be available for inspection by the Habitat Authority prior to the awarding of contracts. All transports and trucks must be reliable and well-maintained. Unsatisfactory equipment will be rejected.

Contractor shall furnish a truck with at least 12 feet of bed length or a 2-½ ton dump truck. Truck will be driven by a competent and licensed operator.
(mentioned in #3 above)

Mechanical flail mowers can be used in select locations with approval of Deputy Chief Ranger Hughes or Habitat Authority representative.

All trucks, trailers and vehicles used must comply with Department of Transportation and State Public Utilities Commission Regulations.

The Contractor shall have the necessary tools, repair parts and equipment to make minor repairs in the field. Contractor shall provide at the job site the necessary tools, spare parts and equipment to allow the operator to make minor repairs and to keep contracted equipment operating and serviceable throughout the day. Contractors shall perform routine maintenance, and make repairs to equipment on his or her own time at Contractor's expense.

During equipment breakdown periods, the Contractor may substitute comparable equipment upon approval of Deputy Chief Ranger Kenn Hughes or Habitat Authority representative.

14. All vehicular equipment will be driven by a competent and licensed operator.

Equipment and Transport Operators

The Contractor shall furnish qualified, competent and cooperative operators for each item of equipment. If a worker is determined to be unqualified or uncooperative, Deputy Chief Ranger Kenn Hughes or Habitat Authority representative may halt the operation until a satisfactory replacement is furnished. Failure to provide a qualified and cooperative worker within a reasonable time, as determined by the Habitat Authority, may result in termination of the contract by default, or substitution of another contractor. Truck and trailer operator must possess appropriate license which shall be produced and exhibited upon request.

Operator Minimum Experience

Flail Mower operators shall provide references for or proof of two (2) years minimum experience using the type of equipment they are operating.

15. Equipment specifications:

Truck, trailer, vehicles and operators shall meet all applicable Department of Transportation (DOT) specifications or requirements. Mechanical flail mowers can be used in select locations with approval of Deputy Chief Ranger Hughes or Habitat Authority representative.

Exceptions are subject to the approval of the Habitat Authority.

16. Worksite Safety

Safety Equipment

Contractor shall provide and assure the use of appropriate safety equipment as required by Cal/OSHA for all work (i.e., hearing protection, helmets, boots, gloves, goggles, chaps, and shin guards). Any and all safety features such as guards, shields, safety stickers/decals, etc., which were originally supplied or recommended by the equipment or vehicle manufacturer shall remain in place and operational.

Safe Work Practices

Contractors shall comply with all applicable CAL/OSHA rules related to safe work practices

Heat Illness Prevention Program

Contractors shall comply with the CAL/OSHA Heat Illness Prevention Program.

Traffic Safety Program (Area Contracts)

Contractors are responsible for any required Temporary Traffic Control (TTC). The TTC shall conform to the most current California Manual on Uniform Traffic Control Devices (MUTCD) and shall be implemented under any of the following situations:

- Work on a road shoulder within 15 feet of the Traveled Way unless a K-Rail separates all personnel, work vehicles, and equipment from the Traveled Way (except city streets where vehicle parking is expected)
- Lane encroachment
- Lane closure
- Short duration street closure/blockage
- Any other situation where employees may be exposed to vehicular traffic, traffic-related flying debris, or an errant vehicle.

17. Equipment Fueling

Appropriate equipment fueling and fuel handling procedures shall be observed at all times which include, but are not limited to:

- ✓ Fueling and servicing of equipment shall be performed outside regular working hours unless otherwise authorized by Deputy Chief Ranger Kenn Hughes.
- ✓ Fueling equipment only in conditions not conducive to fire hazards;
- ✓ Starting equipment at least 10 feet away from the fueling area; and
- ✓ Not using engine fuel (gasoline) as a cleaning solvent

18. For your information, attached is a sample contract (found at <https://www.habitatauthority.org/2020/01/notice-inviting-bids-annual-fuel-clearance-in-la-habra-heights/>) that would be used if awarded the job.

19. As mentioned above - Maps and work details are attached explaining and illustrating work in Zones 1-12.

BID INSTRUCTIONS AND CONDITIONS FOR FUEL MODIFICATION

GENERAL

The Bidder shall examine carefully these specifications, the proposal and all other contract documents. The submission of a proposal shall be considered conclusive evidence that the Bidder has investigated and is satisfied as to the conditions to be encountered in respect to the character, quality and quantities of the contract.

Anything called for in any one of said documents shall be deemed to be required equally as if called for in all these documents; Specifications, Bid Instructions and Conditions, Bid Proposal Form, Affidavit of Non-Collusion, Statement of Experience, Statements of Qualifications, Subcontractors Form, and Written Agreement executed by the parties, shall constitute the Contract; the documents constituting the same are intended to be read together and to require a complete and finished piece of work, including all labor and equipment necessary for the proper execution and completion thereof.

1. **Reservation:** The Habitat Authority reserves the right to reject any and all bids received, to waive any informality on any bid and to be the sole judge of the relative merits of material mentioned in the respective bids received.
2. **Bid Form:** The proposal must be made on the forms provided for that purpose, enclosed in a sealed envelope and marked as "Fuel Modification – Habitat Authority Properties - **LHH** – Do Not Open with Regular Mail" on the envelope. No telegraphic or telephonic proposal will be considered. Must be delivered to 7702 Washington Ave, Suite C, Whittier, 90602.

Blank spaces in the proposal must be properly filled in, using ink, indelible pencil or typewriter, and the phraseology of the proposal must not be changed. Bid Proposal shall be stated, both in numbers and in longhand. Additionally, the signature of all persons signing shall be in longhand. Any unauthorized conditions, limitations, or proviso attached to a proposal could be considered to render it unresponsive and may cause its rejection. Alteration by erasure or interlineations must be explained or noted in the proposal over the signature of the Bidder. Bidders or their representatives are invited to be present at the opening of proposals. One (1) copy of the completed Bid Proposal Form shall be submitted to the Habitat Authority on the date and time specified in the Notice Inviting Sealed Bids.

3. **The Contract:** The Bidder to whom the award is made will enter into a written contract with the Habitat Authority. In case of default by the Contractor, the Habitat Authority reserves the right to procure the services from other sources and

to hold the Contractor responsible for any excess costs incurred by the Habitat Authority thereby.

- A. The Fuel Modification contract shall be effective from the date contract is approved by the Habitat Authority through March 31, 2021 and potentially renewable through March 31, 2025.
- B. Contractor shall employ a sufficient number of laborers and equipment to assure completion of the fuel modification program.
- C. Contractor shall, within ten (10) calendar days notice from the Habitat Authority, be prepared to begin and diligently carry-out to completion, all work required in accordance with these specifications.

4. Payment:

- A. Payment shall be made on a net 30 day basis after an approved invoice is submitted. Contractor shall submit an invoice for all work itemizing each project zone.
- B. Payment shall not be made until the Habitat Authority or its representative, have inspected each phase of work and determined that the project has been satisfactorily completed.

5. Permits: All permit fees and licenses necessary for the completion of the work shall be paid for by the Contractor and subcontractors.

6. The preceding Specifications, Notice Inviting Sealed Bids, Bid Instructions and Conditions and the attached are applicable to this Bid and the BIDDER ACKNOWLEDGES ACCEPTANCE THEREOF BY SIGNING AND FILING SAID BID.

**CHECKLIST OF PROPOSAL PACKET FOR
WEED ABATEMENT -HABITAT AUTHORITY PROPERTIES
HAND WORK – LA HABRA HEIGHTS**

ITEM DUE March 3, 2020 ON OR BEFORE 10:00 A.M.

- _____1. It is recommended to submit this check list.
- _____2. Completed Bid Proposal Form
- _____3. Completed Quote Chart, Multi-Year Form, Hourly Pricing
- _____4. Completed Statement of Experience
- _____5. Completed Statement of Equipment Qualifications
- _____6. Completed Statement/Proof of Personnel Qualifications
- _____7. Signed Affidavit of Non-Collusion
- _____8. Copy of appropriate state contractors license, or number
- _____9. Proof registration with state Department of Industrial Relations, or DIR number.
- _____10. Check here to acknowledge this is a prevailing wage job, and company can meet all insurance requirements identified in sample contract.
- _____11. Completed Subcontractor form

CHECKLIST OF AGREEMENT DOCUMENTS
UPON AWARD OF CONTRACT

The following items shall be returned as part of the Contract packet by the successful Bidder prior to issuance of a contract by the Habitat Authority.

- 1. LIABILITY INSURANCE AND
WORKER'S COMPLENSATION INSURANCE
- 2. Proof of any other required Permits and Licenses.
- 3. Signed Contract Agreement or comments on Contract Agreement

Include with bid

Zone Pricing based on <i>hand clearing only</i>				
ZONE PRICING	Base 1st Year (\$)			Base 1st Year (\$)
*Zone 1			Zone 7	
Zone 2			Zone 8	
Zone 3			Zone 9	
Zone 4			*Zone 10	
Zone 5			*Zone 11	
Zone 6			Zone 12	

*(Base bid to include partial clearance twice a year for zones 1,2, 10, 11.1, 11.2 – See maps and performance work details for information)

Year 1 Total (Zones 1-12): \$_____

Please include Year 2-5 rate increases (for above costs by zone), if any, below:

Zones	Year 2	Year 3	Year 4	Year 5
Cost Increase (%)				
Cost in dollars (\$)				

HOURLY RATES – for potential additional work (Potential Change Orders)

Please supply an hourly rate for recuts or supplemental tasks during Year 1 as directed by the Habitat Authority.

\$_____/hourly per one (1) hand clear crew member

\$_____/hourly per one (1) hand clear supervisor - EACH CREW MUST INCLUDE A SUPERVISOR

Hourly Hand Clear Crew <u>Member</u>	Year 2	Year 3	Year 4	Year 5
Hourly Rate Increase (%)				
Cost in dollars (\$)				

Hourly Hand Clear <u>Supervisor</u>	Year 2	Year 3	Year 4	Year 5
Hourly Rate Increase (%)				
Cost in dollars (\$)				

Optional

\$_____/hourly per mechanical (if approved).

Also include Year 2-5 hourly mechanical rate increases, if any, below:

Hourly Mechanical	Year 2	Year 3	Year 4	Year 5
Hourly Rate Increase (%)				
Cost in dollars (\$)				

Please provide any other information that you may think is necessary: _____

Include with bid

BID PROPOSAL FORM

Habitat Authority
7702 Washington Ave., Suite C
Whittier, CA 90602

ATTENTION: Executive Director

In accordance with your invitation to submit a bid to provide **HAND WORK** Fuel Modification as per the Specifications, the undersigned hereby agrees to accept all terms and conditions and to provide the services as indicated on the fuel modification zone maps attached herein,

SIGNED: _____

COMPANY: _____

ADDRESS: _____

PHONE: _____

BASE BID PRICE** TOTAL = _____ (in numbers)

TOTAL = _____

_____ (in longhand)

And further to initiate the services specified herein within ten (10) calendar days after receipt of the Notice to Proceed from the Habitat Authority.

By (Signed) and Dated Title

This page to be completed by bidder and submitted to the Habitat Authority as part of your quotation.

- | Contract Dates
(From To) | Jurisdiction
(Agency-Client) | Project Manager Name
&
Phone Number
Reference | Contract \$ Amount
(\$ Total) |
|-----------------------------|---------------------------------|--|----------------------------------|
| 1. | | | |
| 2. | | | |
| 3. | | | |
| | | | |

Date

Include information with bid

STATEMENT OF EQUIPMENT QUALIFICATIONS:

Please provide, as an attachment, information about the equipment (weed eaters, chain saws, hand saws, chippers, pruners, vehicles, etc) you plan to use and why it is appropriate for the terrain unique to the scope of work subject area.

Please provide any proposed equipment leases or purchases. Rental agency and phone contact must be included.

For Optional Mechanical Work– If Contractor would like to request use of flail mower, provide the relevant information here including equipment leases or purchases:

STATEMENT OF PERSONNEL QUALIFICATIONS:

Please provide, as an attachment, information about the qualifications of personnel to drive vehicular equipment suitable for the scope of work. (Provide evidence of mower operator 2 year experience.)

*If subcontractors or staff leasing services are being used, please provide information about their qualifications.

*Please also any other information about the qualifications of hand crews if available.

Include with bid

**NONCOLLUSION DECLARATION TO BE EXECUTED BY
BIDDER AND SUBMITTED WITH BID**

The undersigned declares:

I am the _____ of _____(company),
the party making the foregoing bid.

The bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation. The bid is genuine and not collusive or sham. The bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid. The bidder has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or to refrain from bidding. The bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder. All statements contained in the bid are true. The bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof, to effectuate a collusive or sham bid, and has not paid, and will not pay, any person or entity for such purpose.

Any person executing this declaration on behalf of a bidder that is a corporation, partnership, joint venture, limited liability company, limited liability partnership, or any other entity, hereby represents that he or she has full power to execute, and does execute, this declaration on behalf of the bidder.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that this declaration is executed on _____[date], at _____[city], ____.

SIGNATURE

Include information with bid

Contractors to Attach:

Copy of appropriate state contractors license, or number

Provide proof of registration with state Department of Industrial Relations, or DIR number

List subcontractors including personnel employment organizations/staffing services (next page)

Include with bid

Subcontractor Form

In accordance with CA Public Contracting Code section 4100-4114, provide the following:

SUBCONTRACTOR LIST

Portion of Work _____
Name _____
Address _____
California CSLB No. _____
DIR Registration No. _____

Portion of Work _____
Name _____
Address _____
California CSLB No. _____
DIR Registration No. _____

Portion of Work _____
Name _____
Address _____
California CSLB No. _____
DIR Registration No. _____

Portion of Work _____
Name _____
Address _____
California CSLB No. _____
DIR Registration No. _____

(CSLB=Contractors State License Board)
(DIR=Department of Industrial Relations)

Habitat Authority
General Performance Standards for
Scope of Work (Zones 1-12)

Clearance from structures up to 200 feet away within outlined areas:

- Hand cut all areas; prior approval must be obtained from Habitat Authority staff for mechanical methods, per specific zone
- Removal of grass, weeds to the ground
- Remove all dead limbs, dead brush, small-medium dead trees and other dead vegetation
- Remove rubbish or trash
- Trim trees so that low hanging limbs do not allow fire transfer from ground fuels to the tree. Generally, tree limbs shall be trimmed 6 feet above ground level
- All cut brush, weeds, and debris shall be removed and legally disposed of within 48 hours
- Traffic control flagmen needed for roadside clearance

Public roads within outlined areas:

- Hand cut all areas; prior approval must be obtained from Habitat Authority staff for mechanical methods, per specific zone
- Vegetation impeding line of sight for emergency vehicles must be trimmed back at least three (3) feet from roadway edge
- Tree branches and or other vegetation that crosses into roadway must have clearance of at least 13.5 inches above ground from one side of the roadway to the other
- Vegetation must be trimmed back at least 12 feet from roadway edge, unless otherwise directed.
 - vegetation within the first 3 feet must be cleared to the ground and have a 13.5-foot height clearance
 - vegetation within the remaining 9 feet must be low enough so as not to block the view of oncoming traffic and/or traffic going around from one side of the roadway to the other and be clear of weeds and dead material
- All cut brush, weeds, and debris shall be removed and legally disposed of within 48 hours

*Partial clearance of the following Zones to be conducted twice per year and **included in BASE BID** (Clearance to happen twice per year, **no more than 4 months apart** and/or timing in consultation with ranger/Habitat Authority)

- Zone 1.2 – roadside and height clearance along Hacienda Road.
- Zone 10 –roadside and height clearance along Fullerton Road.
- Zones 11.1 and 11.2 –roadside and height clearance along Skyline Drive and Oak Ranch Road.

Habitat Authority Abatement Zone #1

Performance Detail

- Remove grass, weeds to the ground within outlined area(s)
- Remove all dead limbs, dead brush, small-medium dead trees and other dead vegetation within outlined area(s)
- Remove of rubbish or trash within outlined area(s)
- Trim trees so that low hanging limbs do not allow fire to transfer from ground fuels to the tree. Generally, the distance between the ground/ground fuels and limbs shall not be less than one quarter of the height of the tree.
- Traffic control flagmen needed for roadside clearance.

Description:

Zone Map 1

- Overview

Zone Map 1.1

- Areas to the north of 475, 441, 469 and 403 W. Skyline Dr.

Zone Map 1.2

- Area to the east of 401 ½ W. Skyline
- Area to the north of 285 W. Skyline
- Roadside clearance on Hacienda Rd. below 285 and 401 ½ W. Skyline. * **Clearance to happen twice per year.**

Notes:

Roadside clearance is 12' from edge of pavement.

*Hacienda Rd roadside clearance performed twice per year in consultation with ranger/Habitat Authority.

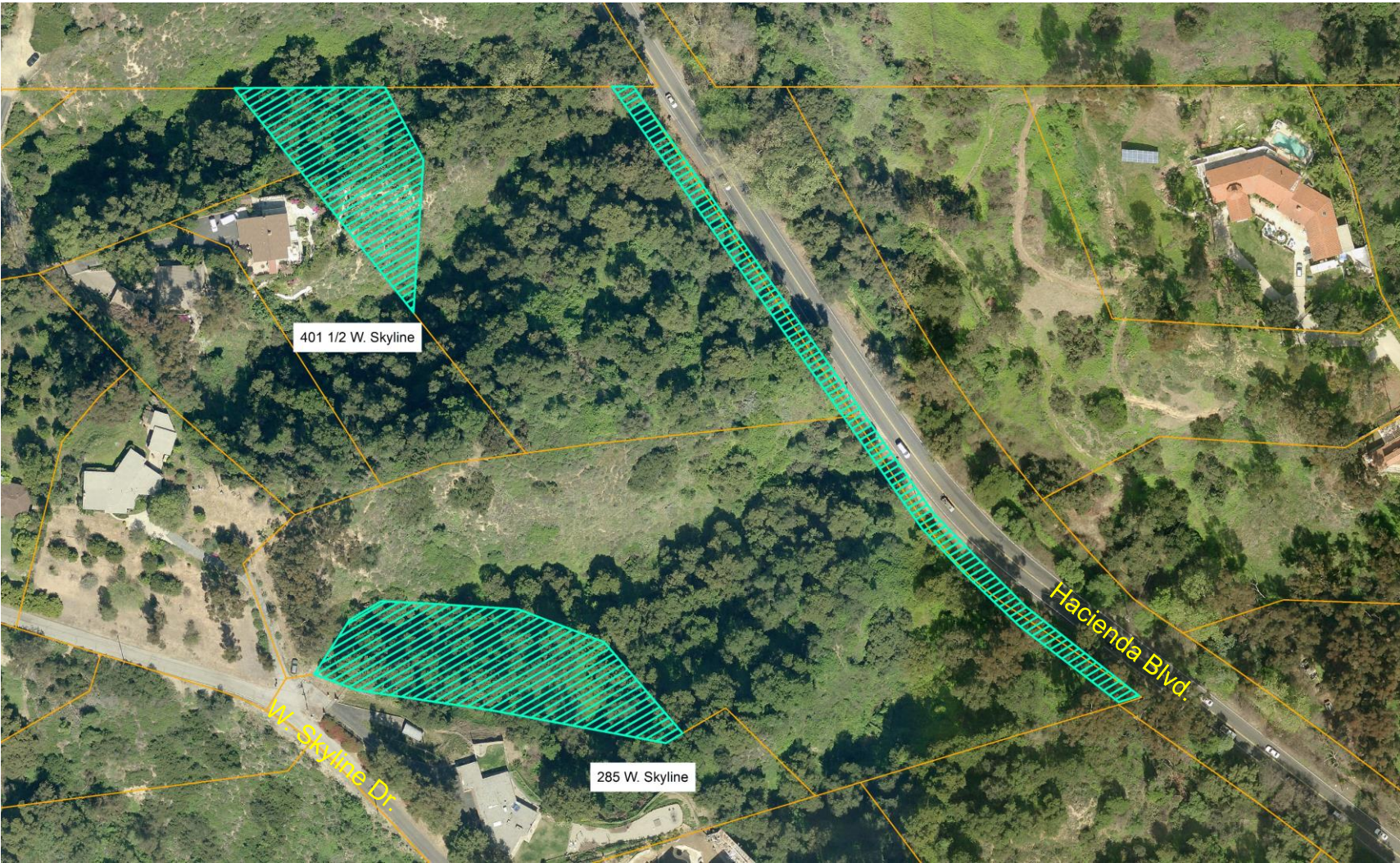
Zone 1



Zone 1.1



Zone 1.2



Habitat Authority Abatement Zone #2

Performance Detail

- Remove grass, weeds to the ground within outlines area(s)
- Remove all dead limbs, dead brush, small-medium dead trees and other dead vegetation within outlined area(s)
- Remove rubbish or trash within outlined area(s)
- Trim trees so that low hanging limbs do not allow fire to transfer from ground fuels to the tree. Generally, the distance between the ground/ground fuels and limbs shall not be less than one quarter of the height of the tree.

Description:

Zone Map 2

- Area to the east of 3852, 3854, 3900 and 3910 Hacienda Rd.
- Area to the north of 121 E. Skyline

Notes:

Zone 2



Habitat Authority Abatement Zone #3

Performance Detail

- Remove grass, weeds to the ground within outlined area(s)
- Remove all dead limbs, dead brush, small-medium dead trees and other dead vegetation within outlined area(s)
- Remove rubbish or trash within outlined area(s)
- Trim trees so that low hanging limbs do not allow fire to transfer from ground fuels to the tree. Generally, the distance between the ground/ground fuels and limbs shall not be less than one quarter of the height of the tree.

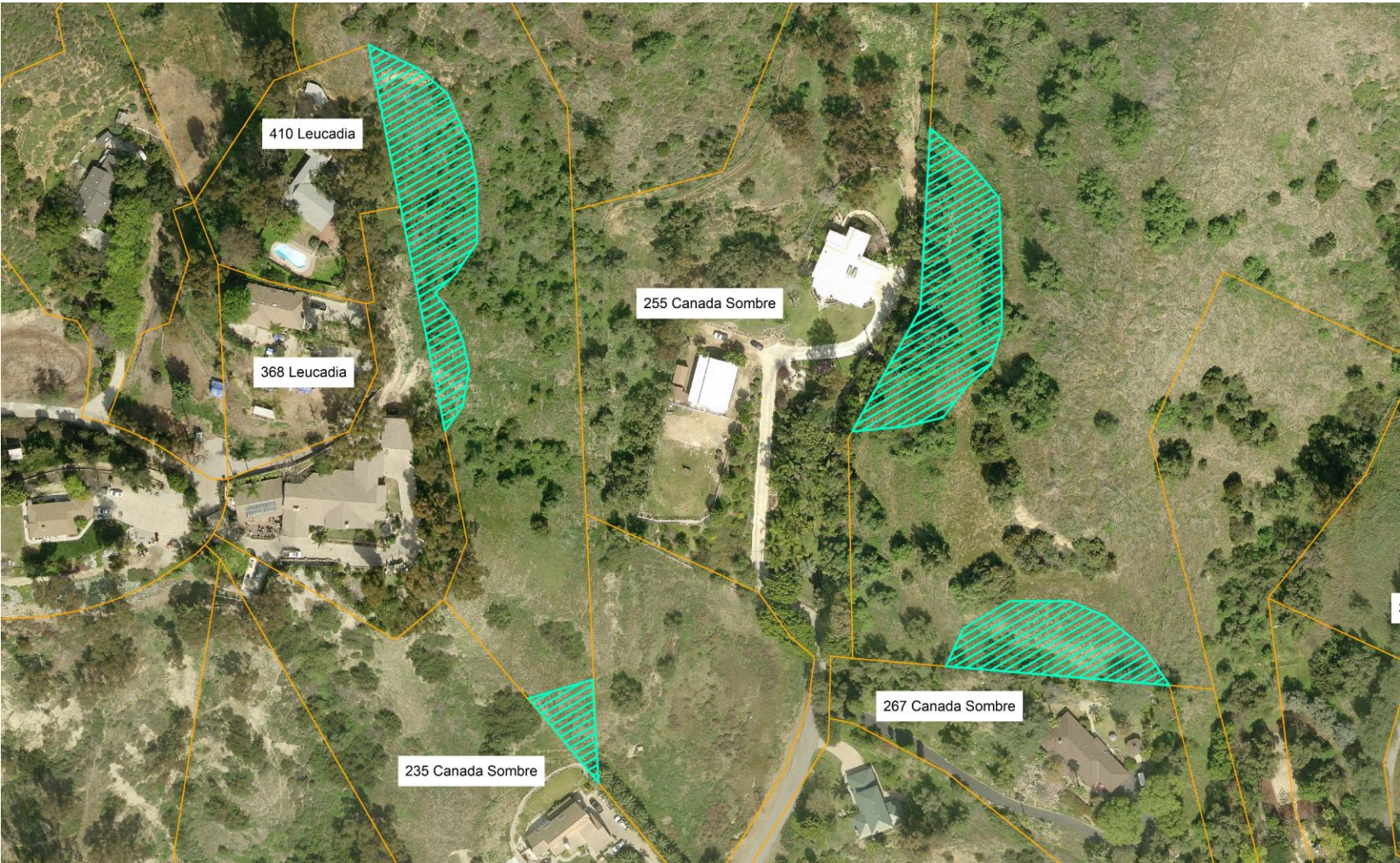
Description:

Zone Map 3

- Area(s) to the east of 368 and 410 Leucadia
- Area(s) to the north of 235 and 267 Canada Sombre
- Area(s) to the east of 255 Canada Sombre.

Notes:

Zone 3



Habitat Authority Abatement Zone #4

Performance Detail

- Remove grass, weeds to the ground within outlined area(s)
- Remove all dead limbs, dead brush, small-medium dead trees and other dead vegetation within outlined area(s)
- Remove rubbish or trash within outlined area(s)
- Trim trees so that low hanging limbs do not allow fire to transfer from ground fuels to the tree. Generally, the distance between the ground/ground fuels and limbs shall not be less than one quarter of the height of the tree.

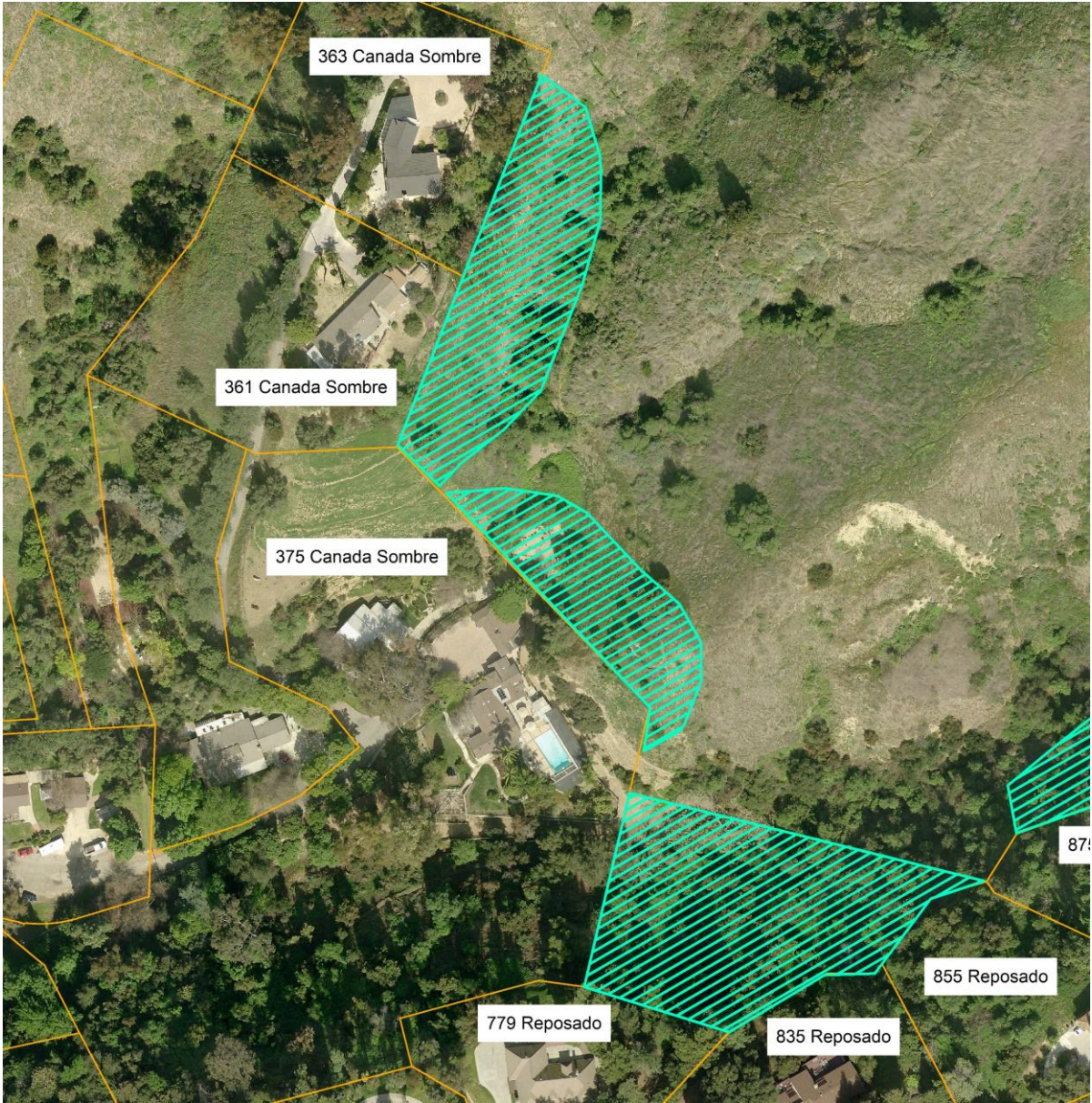
Description:

Zone Map 4

- Area(s) to the east of 361 and 363 Canada Sombre
- Area(s) to the northeast of 375 Canada Sombre
- Area(s) to the north of 779 and 835 Reposado

Notes:

Zone 4



Habitat Authority Abatement Zone #5

Performance Detail

- Remove grass, weeds to the ground within outlined area(s)
- Remove all dead limbs, dead brush, small-medium dead trees and other dead vegetation within outlined area(s)
- Remove rubbish or trash within outlined area(s)
- Trim trees so that low hanging limbs do not allow fire to transfer from ground fuels to the tree. Generally, the distance between the ground/ground fuels and limbs shall not be less than one quarter of the height of the tree.

Description:

Zone Map 5

- Area(s) to the north of 875, 895, 939, and 945 Reposado

Notes:

Zone 5



Habitat Authority Abatement Zone #6

Performance Detail

- Remove grass, weeds to the ground within outlined area(s)
- Remove all dead limbs, dead brush, small-medium dead trees and other dead vegetation within outlined area(s)
- Remove rubbish or trash within outlined area(s)
- Trim trees so that low hanging limbs do not allow fire to transfer from ground fuels to the tree. Generally, the distance between the ground/ground fuels and limbs shall not be less than one quarter of the height of the tree.

Description:

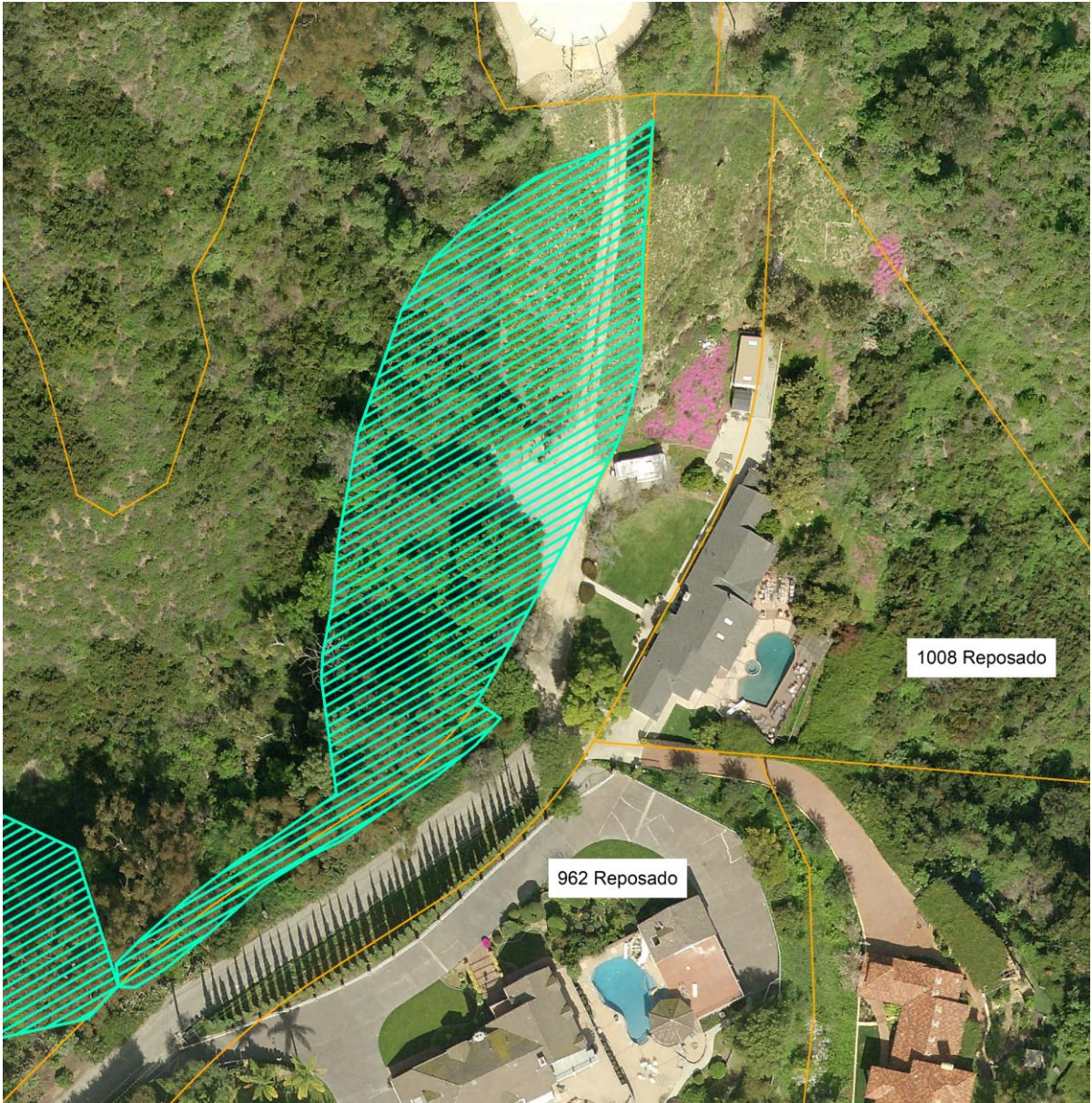
Zone Map 6

- Area(s) to the west of 1008 Reposado
- Roadside clearance on Reposado across the street from 962 Reposado

Notes:

Roadside clearance is 12' from edge of pavement.

Zone 6



Habitat Authority Abatement Zone #7

Performance Detail

- Remove grass, weeds to the ground within outlined area(s)
- Remove all dead limbs, dead brush, small-medium dead trees and other dead vegetation within outlined area(s)
- Remove rubbish or trash within outlined area(s)
- Trim trees so that low hanging limbs do not allow fire to transfer from ground fuels to the tree. Generally, the distance between the ground/ground fuels and limbs shall not be less than one quarter of the height of the tree.

Description:

Zone Map 7

- Overview

Zone Map 7.1

- Area(s) to the north of 2273 Papaya

Zone Map 7.2

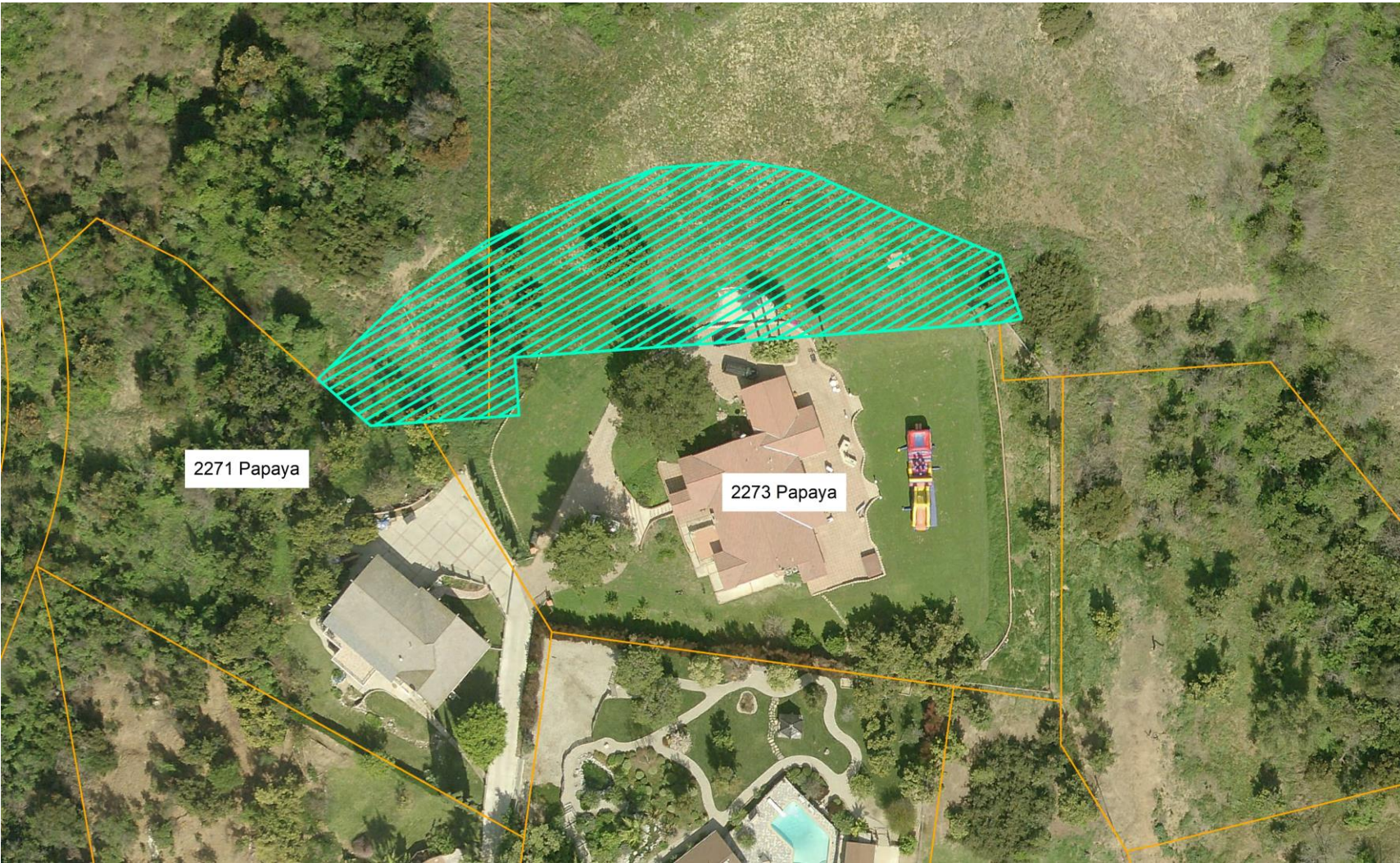
- Area to the northeast of 2347 Valle
- Area to the west, north and east of 2364 Valle

Notes:

Zone 7



Zone 7.1



Zone 7.2



Habitat Authority Abatement Zone #8

Performance Detail

- Remove grass, weeds to the ground within outlines area(s)
- Remove all dead limbs, dead brush, small-medium dead trees and other dead vegetation within outlined area(s)
- Remove rubbish or trash within outlined area(s)
- Trim trees so that low hanging limbs do not allow fire to transfer from ground fuels to the tree. Generally, the distance between the ground/ground fuels and limbs shall not be less than one quarter of the height of the tree.
- Traffic control flagmen needed for roadside clearance.

Description:

Zone Map 8

- Overview

Zone Map 8.1

- Area(s) to the north of 1595 and 1625 Suncrest
- Area to the northeast of 1635 Suncrest
- Area(s) to the west of 1595, 1615, and 1646 Suncrest

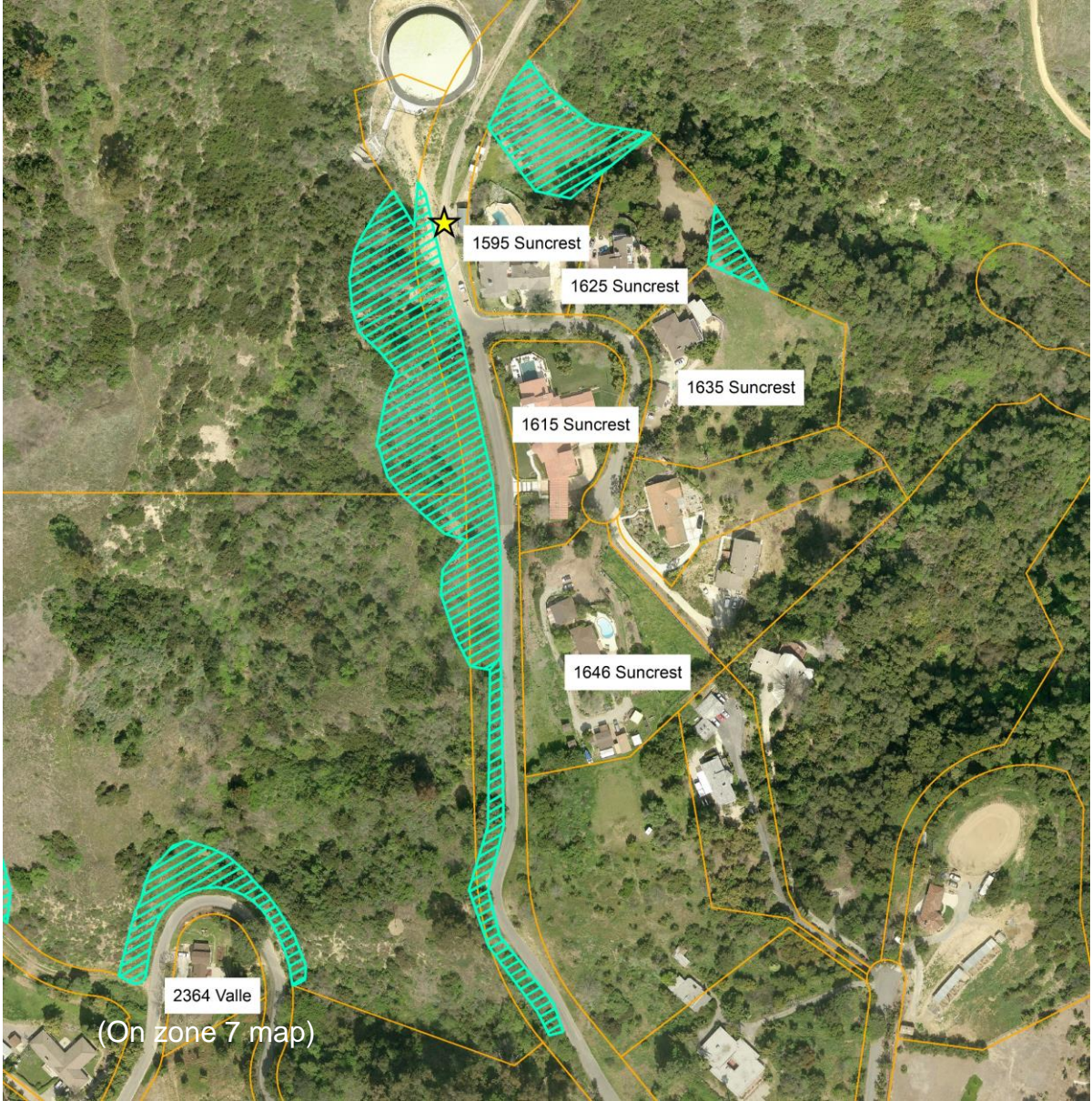
Zone Map 8.2

- Roadside clearance on west side of E. Skyline from 1646 Suncrest south to fence

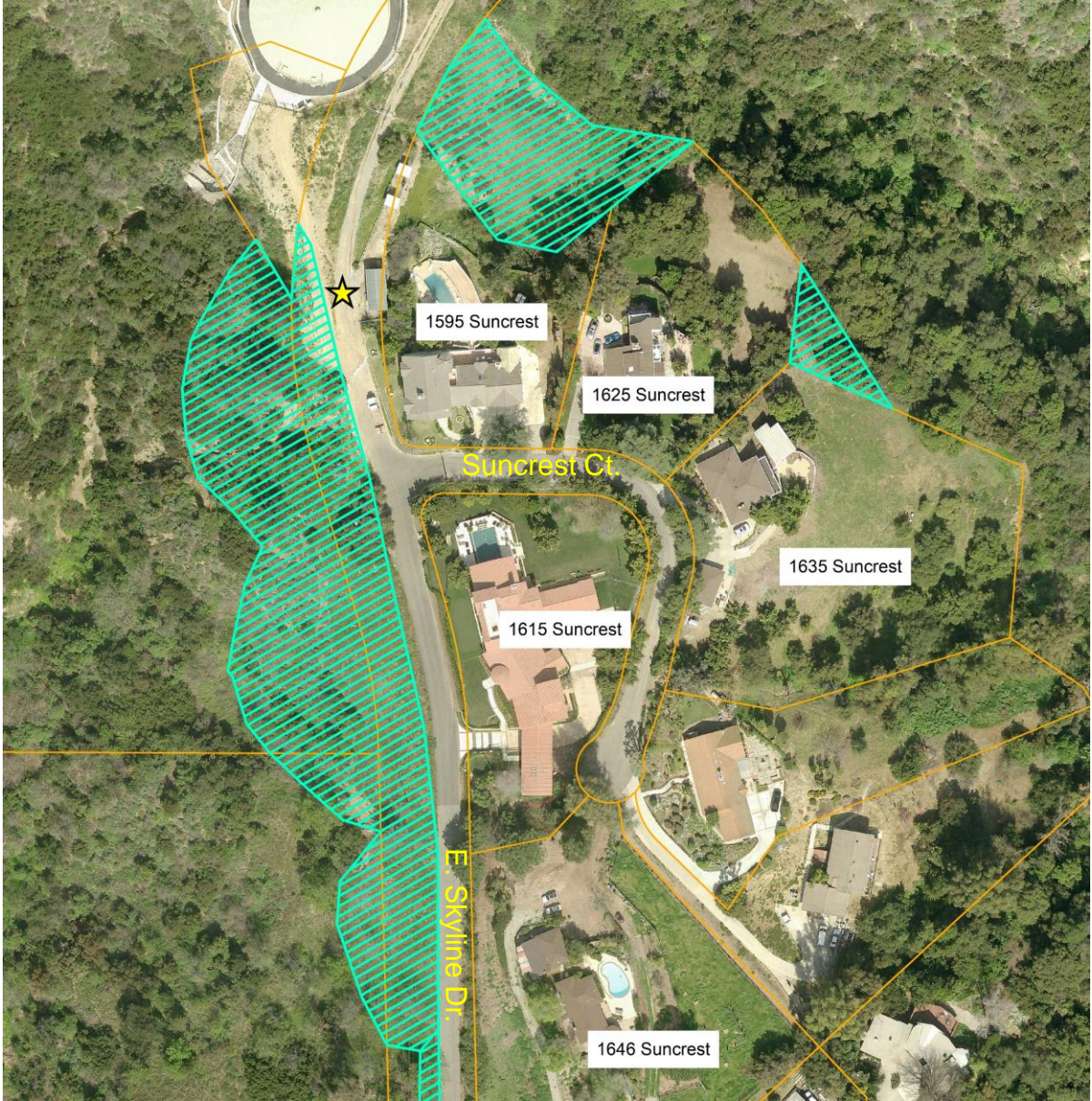
Notes:

Roadside clearance is 12' from pavement.

Zone 8



Zone 8.1



Zone 8.2



Habitat Authority Abatement Zone #9

Performance Detail

- Remove grass, weeds to the ground within outlined area(s)
- Remove all dead limbs, dead brush, small-medium dead trees and other dead vegetation within outlined area(s)
- Remove rubbish or trash within outlined area(s)
- Trim trees so that low hanging limbs do not allow fire to transfer from ground fuels to the tree. Generally, the distance between the ground/ground fuels and limbs shall not be less than one quarter of the height of the tree.
- Traffic control flagmen needed for roadside clearance.

Description:

Zone Map 9

- Roadside clearance on north/east side of E. Skyline, from west property line on E. Skyline (approx. 200 feet from driveway of 1880 E. Skyline), east to property line across from 2112 E. Skyline (fence)

Zone Map 9.1

- Buffer zone across from 1880 E. Skyline.

Zone Map 9.2

- Buffer zones across from 2056 and 2112 E. Skyline
- Clearance along road and around gate at Gray Squirrel trail entrance (in between E. Skyline and Fullerton). Clearance extends approximately 70 to 75 feet from fence line.

Notes:

Roadside clearance is 12' from pavement

Zone 9



Zone 9.1



Zone 9.2



Habitat Authority Abatement Zone #10

Performance Detail

- Remove grass, weeds to the ground within outlined area(s)
- Remove all dead limbs, dead brush, small-medium dead trees and other dead vegetation within outlined area(s)
- Remove rubbish or trash within outlined area(s)
- Trim trees so that low hanging limbs do not allow fire to transfer from ground fuels to the tree. Generally, the distance between the ground/ground fuels and limbs shall not be less than one quarter of the height of the tree.
- Traffic control flagmen needed for roadside clearance.

Description:

Zone Map 10

- *Roadside clearance on north/west side of Fullerton Rd. from west property line to Black Walnut Trailhead gate southwest of Rowland Heights Water Co. (2485 Fullerton)
- *Roadside clearance on the south of Fullerton Rd. from west property line (adjacent to 2455 Oak Ranch) to east property line (adjacent to 2360 Fullerton).

Zone Map 10.1

- Buffer zone to the west of 2485 Fullerton

Zone Map 10.2

- Buffer zone across from 2150 Fullerton Rd and 2365 Oak Ranch Rd

Zone Map 10.3

- Roadside clearance on both sides of Powder Canyon entrance road and parking lot. Area around horse corral is exempt.

Notes:

***Clearance on roadside (south and north) and height clearance along Fullerton Road to occur twice – timing at direction of Habitat Authority.**

Roadside clearance is 12' from pavement.

Clearance in streambed behind water co. office is exempt.

Zone 10



Zone 10.1



Zone 10.2



Zone 10.3



Habitat Authority Abatement Zone #11

Performance Detail

- Remove grass, weeds to the ground within outlines area(s)
- Remove all dead limbs, dead brush, small-medium dead trees and other dead vegetation within outlined area(s)
- Remove rubbish or trash within outlined area(s)
- Trim trees so that low hanging limbs do not allow fire to transfer from ground fuels to the tree. Generally, the distance between the ground/ground fuels and limbs shall not be less than one quarter of the height of the tree.
- Traffic control flagmen needed for roadside clearance.

Description:

Zone 11

- Overview

Zone 11.1

- Buffer zones for 2301, 2373 and 2383 Oak Ranch
- Roadside clearance on south side of Oak Ranch from E. Skyline to end of road (gate)
*Clear twice per year at direction of Habitat Authority staff.

Zone 11.2

- Buffer zones for 2324 E. Skyline and 1970 Fullerton
- Area east of 1970 Fullerton (200 feet from structure)
- Buffer zones for 2486 and 2500 E. Skyline
- Roadside clearance on north side of E. Skyline from Oak Ranch east to cul-de-sac; clear 3 feet from pavement or up to native habitat boundary; ***Clear twice per year at direction of Habitat Authority staff**
- Roadside clearance on south side of E. Skyline, west of 2486 E. Skyline; ***Clear twice per year at direction of Habitat Authority staff**
- Areas southeast and southwest of 2486 E. Skyline
- Abatement for 2572 E. Skyline

Zone 11.3

- Areas north and east of Oil property; clear 60 feet front fence line
- Area east of 2032 Kanola Rd; clear 60 feet front fence line

Zone 11.4

- Roadside clearance on west side of Harbor Blvd. from Fullerton Rd north to 2572 E. Skyline Dr.
- Roadside clearance on east side of Harbor Blvd., extending approx. 250 feet northeast of the underpass opening and 470 feet southwest of the underpass opening.
- Roadside clearance on north side of Fullerton Rd. east of 1642 Fullerton. Clear only weeds/grass (do NOT clear native shrubs) in area indicated on the map east of 1642 Fullerton (see also Zone Map 11.5). Consult with Habitat Authority staff or ranger.

Zone 11.5

- Buffer zone for 1642 Fullerton
- Clear only weeds/grass (do NOT clear native shrubs) in area indicated on the map to the east of 1642 Fullerton. Consult with Habitat Authority staff or ranger.

Notes:

Roadside clearance is 12' from pavement, unless otherwise specified in zone map descriptions above.

***Skyline Dr and Oak Ranch Rd clear twice per year – timing at direction of Habitat Authority staff.**

Zone 11



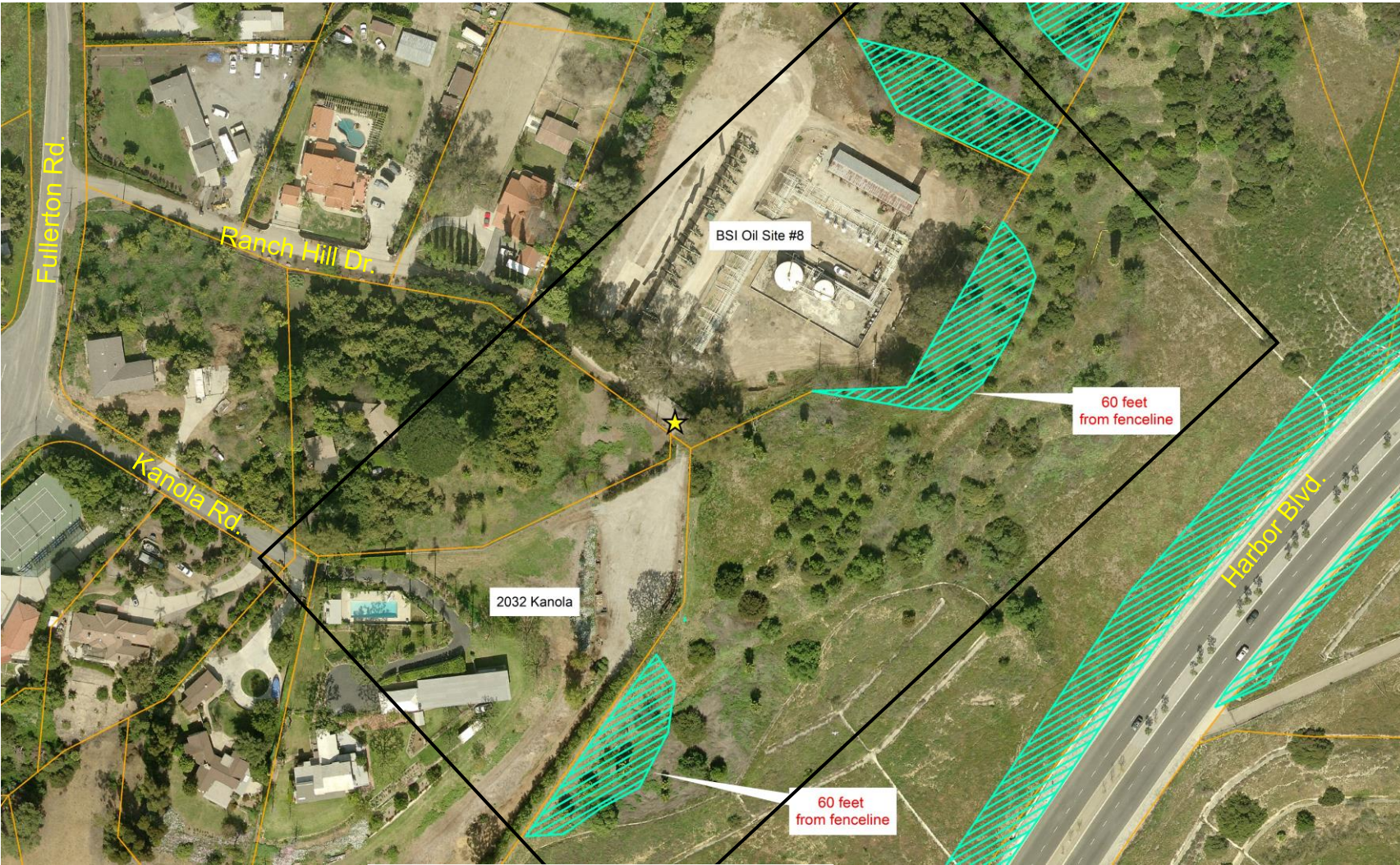
Zone 11.1



Zone 11.2



Zone 11.3



Zone 11.4



Clear only weeds/grass (NOT shrubs) in the
area above **
See also Zone Map 11.5

****Consult with ranger/Habitat Authority representative**

Zone 11.5



****Consult with ranger/Habitat Authority representative**

Habitat Authority Abatement Zone #12

Performance Detail

- Remove grass, weeds to the ground within outlined area(s)
- Remove all dead limbs, dead brush, small-medium dead trees and other dead vegetation within outlined area(s)
- Remove rubbish or trash within outlined area(s)
- Trim trees so that low hanging limbs do not allow fire to transfer from ground fuels to the tree. Generally, the distance between the ground/ground fuels and limbs shall not be less than one quarter of the height of the tree.

Description:

- Area south of 3263 and 3254 Gotera Dr.

Notes:

Zone 12

