

Significant Tree Evaluation Worksheet

APN: 010-037-009-000

Street Location: Santa Fe St. 3 NE 5th Ave

Planner: Marnie Waffle

City Forester: Justin Ono

Property Owner: Comeau & Meyrose

Recommended Tree Density: 3 Upper, 1 Lower

Part One: Initial Screening:

Complete Part One to determine if further assessment is warranted. Trees must pass all criteria in Part One to be considered significant or moderately significant.

A. Does the tree pose an above-normal potential risk to life and property?

Tree #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
YES															
NO	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Tree #	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
YES															
NO	X	X													

Any tree with structural impairment likely to cause failure should be marked as unsafe and removed. Use page five of this worksheet to document the safety risk. Trees that have limited and specific defects that can be remedied with selective pruning or other mitigation should be marked as safe and specific recommendations should be given to the owner for tree care. Such trees may still be assessed for significance.

B. Is the tree one of the following native species on the Carmel-by-the-Sea recommended tree list?

Tree #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Species	CO	CO	CO	CO	CO	CO	MC	MC	MC	MC	MC	MC	MC	MC	MC
YES	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
NO															
Tree #	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Species	MC	MC													
YES	X	X													
NO															

MP-Monterey pine MC- Monterey cypress BP-Bishop pine CR -coast redwood CO- coast live oak

CI -- Catalina ironwood CS -- California sycamore BL -- big leaf maple Pod -- Podocarpus OT -- other Toy --

Toyon Ac -- Acacia EUC -- Eucalyptus

(Note: Other species on the recommended tree list may be determined to be Significant Trees only if they are exceptional examples of the species. Such trees also must exhibit excellent health, form, vigor, and substantial size to rate an overall score of at least 7 points in Part Two of the assessment.)

C. Does the tree meet the minimum size criteria for significance?

Tree #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
YES	x		x	x	x	x	x	x	x	x	x	x	x	x	x
NO		x													
Tree #	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
YES	x	x													
NO															

Monterey pine, Monterey cypress, Bishop pine, Coast redwood: 6" DBH

Coast live oak – single trunk tree: 6" DBH

Coast live oak – multi-trunk tree measured per industry standard: 6" DBH

California sycamore, Big leaf maple, Catalina ironwood, other: 10" DBH

dbh = diameter at breast height or 4.5 feet above the adjacent ground surface

Part Two: Assessment For Tree Significance

For each of the criteria below assign points as shown to assess the tree. If any criteria score is

D. What is the health and condition of the tree?

Tree #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
score	2		2	2	2	2	2	2	2	2	2	2	2	2	2
Tree #	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
score	2	2													

0 points:	The tree is heavily infested with pests or has advanced signs of disease that indicates the tree is declining and has very limited life expectancy.
1 point:	The tree shows some pests or disease that impair its condition, but which does not immediately threaten the health of the tree. The tree may recover on its own, or with appropriate intervention.
2 points:	The tree appears healthy and in good condition.
3 points:	The tree shows excellent health, is free of pests and disease and is in very strong condition.

E. What is the overall form and structure of the tree?

Tree #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
score	2		2	2	2	2	2	2	2	2	2	2	2	2	2
Tree #	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
score	2	2													

0 points:	Prior pruning, disease or growth habit have left the tree deformed or unsound to an extent that it cannot recover or will never be a visual asset to the neighborhood or will likely deteriorate into a structural hazard.
1 point:	The tree has poor form or structure but (a) can recover with proper maintenance or (b) it provides visual interest in its current form, and does not have structural defects that are likely to develop into a safety hazard.
2 points:	The tree has average form and structure for the species but does not exhibit all the qualities of excellent form and structure.
3 points:	The tree exhibits excellent form and structure. For all species there will be a good distribution of foliage on multiple branches with no defects. For conifers, the tree will have a single straight leader with balanced branching and with good taper. Oaks will exhibit a well-developed canopy with no suppressed branches. Oaks may be single-trunked or multi-trunked and will have a balanced distribution of foliage on each

F. What is the age and vigor of the tree?

Tree #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
score	2		2	2	2	2	2	2	2	2	2	2	2	2	2
Tree #	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
score	2	2													

0 points:	The tree is over-mature or shows signs of poor or declining vigor such as die-back of major limbs or of the crown, small leaves/needles and/or minimal new growth.
1 point:	The tree is mature but retains normal vigor and is likely to continue as a forest asset for a substantial period into the future.
2 points:	The tree is young to middle age and shows normal vigor.
3 points:	The tree is young to middle age and shows exceptional vigor.

G. Are environmental conditions favorable to the tree?

Tree #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
score	2		2	2	2	2	2	2	2	2	2	2	2	2	2
Tree #	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
score	2	2													

0 points:	The tree is crowded or has no room for growth to maturity. The tree has poor access to light, air or has poor soil for the species.
1 point:	The tree has average environmental conditions including room for growth to maturity, access to light, air and soils suitable for the species.
2 points:	The tree has room for growth to maturity with no crowding from other significant trees or existing buildings nearby. The tree also has excellent access to light, air and excellent soils for root development.

Items to note:

Required Structural Root Zone

Tree #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Feet	8	6	8	8	8	8	6	6	6	6	6	6	6	6	6
Tree #	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Feet	6	6													

Required Tree Protection Zone

Tree #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
YES	10	8	10	10	10	10	8	8	8	8	8	8	8	8	8
Tree #	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
YES	8	8													

Requirements for tree preservation shall adhere to the following tree protection measures on construction site.

- Prior to grading, excavation, or construction, the developer shall clearly tag or mark all trees to be preserved.
- Excavation within 6 feet of a tree trunk is not permitted.
- No attachments or wires of any kind, other than those of a protective nature shall be attached to any tree.
- Per Municipal Code Chapter 17.48.110 no material may be stored within the dripline of a protected tree to include the drip lines of trees on neighboring parcels.

- Tree Protection Zone -- The Tree Protection Zone shall be equal to dripline or 18 inches radially from the tree for every one inch of trunk diameter at 4.5 feet above the soil line, whichever is greater. Minimum of 4 foot high transparent fencing is required unless otherwise approved by the City Forester. Tree protection shall not be resized, modified, removed, or altered in any manner without written approval. The fencing must be maintained upright and taught for the duration of the project. No more than 4 inches of wood mulch shall installed be within the Tree Protection Zone. When the Tree Protection Zone is at or within the drip line, no less than 6 inches of wood mulch shall be installed 18 inches radially from the tree for every one inch of trunk diameter at 4.5 feet above the soil line outside of fencing.

- The Structural Root Zone -- Structural Root Zone shall by 6 feet from the trunk or 6 inches radially from the tree for every one inch of trunk diameter at 4.5' above the soil line, whichever is greater. Any excavation or changes to the grade shall be approved by the City Forester prior to work. Excavation within the Structural Root Zone shall be performed with pneumatic excavator, hydrovac at low pressure, or other method that does not sever roots.
- If roots greater than 2 inches in diameter or larger are encountered within the approved Structural Root Zone the City Forester shall be contacted for approval to make any root cuts or alterations to structures to prevent roots from being damaged.
- If roots larger than 2 inches in diameter are cut without prior City Forester approval or any significant tree is endangered as a result of construction activity, the building permit will be suspended and all work stopped until an investigation by the City Forester has been completed and mitigation measures have been put in place.

Map Information:

Basis of Bearings: The bearing of N 90° 00' 00"E for the north lines of Lots 15 & 16 in Block 46 as shown on 1 C&T 52 and as found monumented is taken as the basis of bearings for this survey.

Vertical Datum: Assumed.

Contour Interval: Contours as shown hereon are interpolated using computer digital terrain modeling software and spot elevations. Ground may be more irregular than contours indicate.

A.S.O. - as shown on
 B.G.S. - below ground surface
 ELEV - elevation
 ENG/ENGR - engineer
 FD/FND - found
 FF - finished floor
 I.P. - iron pipe
 L&T - lead & tag
 LS - land surveyor
 MKD - marked
 N.R.F. - no reference found
 N.S.F. - not searched for
 O.R. - Official Records, Monterey County
 O.U. - origin unknown
 PP - plastic plug
 S.F.N.F. - searched for, not found

Santa Fe St. 4 NE 5th Ave.
 APN: 010-037-008

Santa Fe St. 2 NE 5th Ave.
 APN: 010-037-008

Surveyor's Notes:

This map portrays the site at the time of the survey and does not show soils or geologic information, underground conditions, easements, zoning setbacks, regulatory information or any other items not specifically identified by the party requesting the survey. There may be easements or other rights, recorded or unrecorded, affecting the subject property which are not shown hereon.

Visible evidence of underground utilities such as utility meters, manhole lids, clean outs, valve covers, pull boxes and similar features are shown hereon. Underground utility pipes, conduits, transmission lines sewer laterals, etc. were not located. Information regarding underground utility line locations should be obtained from the appropriate utility companies or public agencies.

Elevations are based on an assumed datum as noted. Ground may be more irregular than contours indicate.

Distances are expressed in feet and decimals thereof.

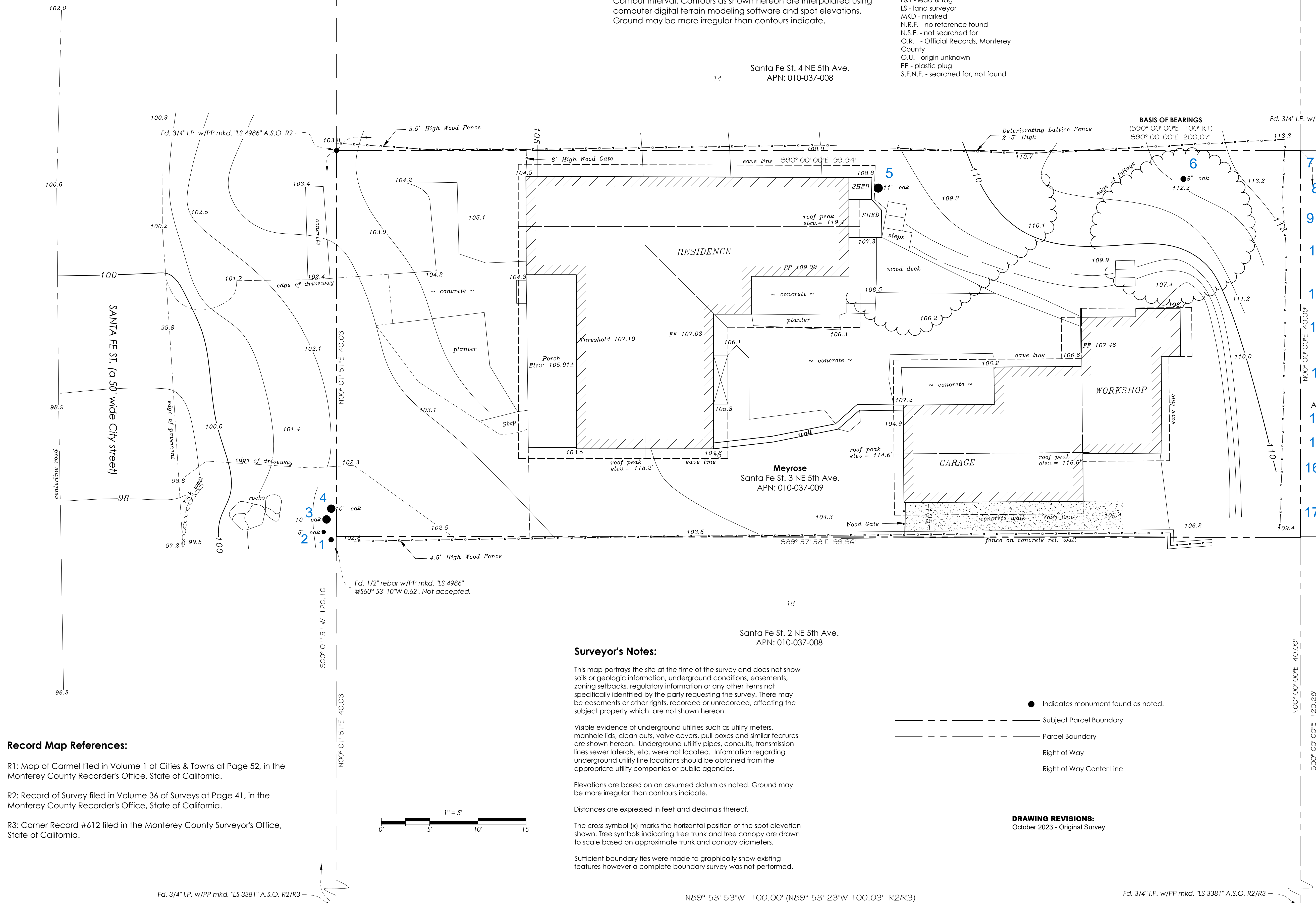
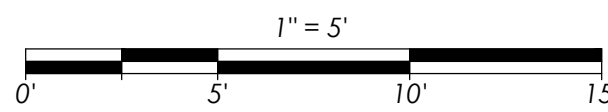
The cross symbol (x) marks the horizontal position of the spot elevation shown. Tree symbols indicating tree trunk and tree canopy are drawn to scale based on approximate trunk and canopy diameters.

Sufficient boundary ties were made to graphically show existing features however a complete boundary survey was not performed.

● Indicates monument found as noted.

- Subject Parcel Boundary
- Parcel Boundary
- Right of Way
- Right of Way Center Line

DRAWING REVISIONS:
 October 2023 - Original Survey



Record Map References:

R1: Map of Parcel filed in Volume 1 of Cities & Towns at Page 52, in the Monterey County Recorder's Office, State of California.

R2: Record of Survey filed in Volume 36 of Surveys at Page 41, in the Monterey County Recorder's Office, State of California.

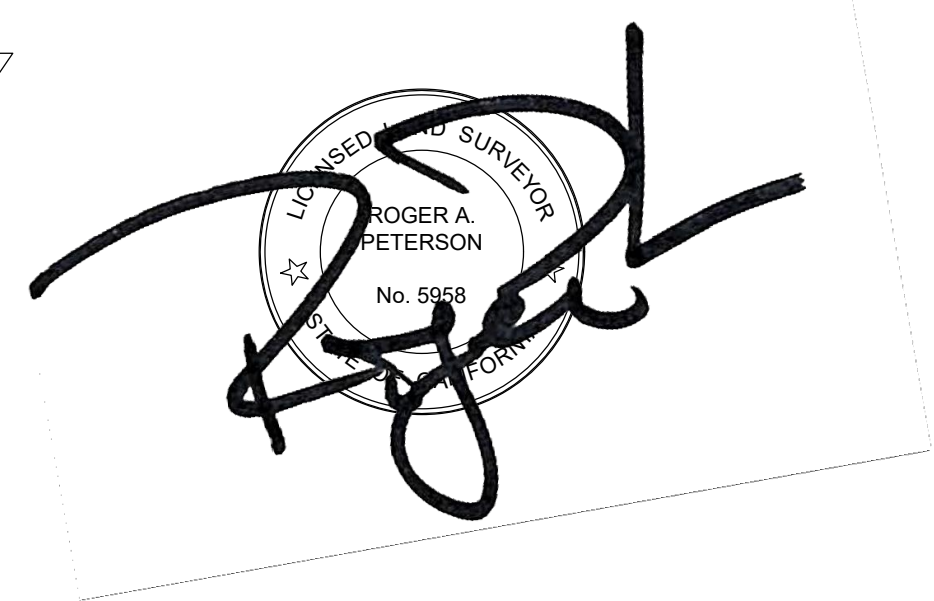
R3: Corner Record #612 filed in the Monterey County Surveyor's Office, State of California.

Fd. 3/4" I.P. w/PP mkd. "LS 3381" A.S.O. R2/R3

N89° 53' 53"W 100.00' (N89° 53' 23"W 100.03' R2/R3)

Fd. 3/4" I.P. w/PP mkd. "LS 3381" A.S.O. R2/R3

SANTA FE ST. (a 50' wide City street)



Topographic Survey

Lot 16 in Block 46
 Commonly known as Santa Fe St. 3 NE 5th Ave., APN: 010-037-009
 Located in the City of Carmel-by-the-Sea, Monterey County,
 State of California

Prepared For & Requested By: Grover Meyrose

October 2023

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RLS W.O. # 2023-078 Meyrose

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