

# Kiely Arborist Services

Certified Arborist WE#0476A

P.O. Box 6187

San Mateo, CA 94403

650-515-9783

October 15, 2019, revised June 28, 2021

MBI Groups

Attn: Mr. Michael Ahi

2251 Grant Road, Suite G

Los Altos, CA 94024

Site: 851 Sierra Vista, Mountain View, CA

Dear Mr. Ahi,

As requested on Friday, June 6, 2018, I visited the above site for the purpose of inspecting and commenting on the trees. Several new homes and landscapes are being designed for this site and your concern as to the future health and safety of the trees has prompted this visit. The civil plans T2.0, T4.0, T5.0 and T6.0 all dated January 22, 2019 were reviewed for the revision of this report.

## **Method:**

All inspections were made from the ground; the trees were not climbed for this inspection. The trees in question were located on a map provided by you. The Trees were measured and identified based on Mountain View's City Code (Chapter 32, Article II) which defines a "Heritage Tree" as a tree with any of the following characteristics: (a.) A Tree Trunk with a circumference of forty-eight (48") or more, measured at fifty-four inches (54") above natural grade. Multi-trunk trees are measured just below the first major trunk fork. The trees were given a condition rating for form and vitality. The trees condition rating is based on 50 percent vitality and 50 percent form, using the following scale.

1	-	29	Very Poor
30	-	49	Poor
50	-	69	Fair
70	-	89	Good
90	-	100	Excellent

The height of the trees were measured using a Nikon Forestry 550 Hypsometer. The spread was paced off. Comments and recommendations for future maintenance are provided.

851 Sierra Vista /10/15/19

(2)

**Survey:**

<b>Tree#</b>	<b>Species</b>	<b>DBH</b>	<b>CON</b>	<b>HT/SP</b>	<b>Comments</b>
1PH	Siberian elm ( <i>Ulmus pumila</i> )	27.2	55	45/55	Good vigor, fair form, codominant at 15 feet.
2X	Modesto ash ( <i>Fraxinus velutina</i> )	12.5	55	30/35	Good vigor, fair form, multi leader at 10 feet, leans north. On berm major impacts.
3XH	Black walnut ( <i>Juglans californica</i> )	27.6	60	30/45	Good vigor, poor form, large surface roots, topped for utilities. On berm major impacts.
4XH	Australian willow ( <i>Geijera parviflora</i> )	17.3	60	30/35	Fair vigor, poor form, large surface roots, leans southwest. Impacts will be significant To major. Removal is recommended.
5X	Fruitless mulberry ( <i>Morus alba</i> )	10.2	55	20/20	Good vigor, fair form, heavily trimmed.
6X	Liquidambar ( <i>Liquidambar styraciflua</i> )	12.3	50	30/25	Good vigor, poor form, topped for utilities, large surface roots.
7X	Fruitless mulberry ( <i>Morus alba</i> )	10.2	55	25/25	Good vigor, poor-fair form, heavily trimmed.
8XH	Lemon ( <i>Citrus limon</i> )	8.3-4.9-7.5	40	15/15	Poor-fair vigor, poor form, multi leader sun scaled.
9XH	Southern magnolia ( <i>Magnolia grandiflora</i> )	14.6	45	15/10	Fair vigor, poor form, heavily trimmed.
10XH	Fruitless mulberry ( <i>Morus alba</i> )	15.3	45	25/25	Good vigor, poor-fair form, multi leader, heavily trimmed.
11X	White alder ( <i>Alnus rhombifolia</i> )	12.2	40	25/20	Poor-fair vigor, poor form, bleeding on trunk.
12X	White alder ( <i>Alnus rhombifolia</i> )	13.3	45	30/25	Fair vigor, poor form, codominant, leans west.
13X	Fruitless mulberry ( <i>Morus alba</i> )	9.4	50	20/20	Good vigor, poor form, heavily trimmed.
14X	Fruitless mulberry ( <i>Morus alba</i> )	11.6	50	20/20	Good vigor, poor form, heavily trimmed.

851 Sierra Vista/10/15/19

(3)

Tree#	Species	DBH	CON	HT/SP	Comments
15X	Fruitless mulberry ( <i>Morus alba</i> )	12.8	50	20/20	Good vigor, poor form, heavily trimmed.
16XH	Mexican fan palm ( <i>Washingtonia robusta</i> )	16.2	55	45/20	Good vigor, fair form, too tall for transplanting.
17X	Liquidambar ( <i>Liquidambar styraciflua</i> )	10.9	50	35/35	Good vigor, fair form, codominant at 10 feet.
18X	Siberian elm ( <i>Ulmus pumila</i> )	14.8	45	35/30	Fair vigor, poor form, leans west.
19XH	Holly oak ( <i>Quercus ilex</i> )	6	65	25/20	Good vigor, fair form.
20XH	Redwood ( <i>Sequoia sempervirens</i> )	6	70	30/15	Good vigor, good form.

P indicates protected tree, X indicates removal is planned, H indicates heritage tree

DBH: Diameter at Breast Height (48")

CON: Condition rating of the tree (50% Vigor & 50% Form)

HT/SP: Height and Spread of the Tree

### Summary:

The trees on site are a mix of non-native trees with black walnut #3 being the only tree native to the area. The trees on site are in poor-fair condition with no excellent trees on site. The owner and architect did an excellent job of designing the units and retaining as many trees as possible.

Impacts to trees #2, #3 and #4 will be significant to major and removal of all 3 is recommended. The owner has expressed his desires to retain tree #1. No roots to be severed within 10 feet of tree # 1.

The project arborist will be on site during the cut and fill portion of the grading and when any retained trees have roots traumatized. Mitigating measures will be provided at that point.

All removed trees will be replaced as required by the city of Mountain View. Thirty six inched boxed Brisbane box and Australian willow will be used as replacement street trees.

The retained trees will be protected with standard tree protection measures. The project arborist will provide monthly inspections and will be on site for any excavation within the dripline of protected trees. Mitigation measures will be provided and adjusted during these inspections. A tree protection monthly schedule contract will be provided with this report. The following tree protection plan will help to reduce impacts to the retained trees.

**Tree Protection Plan:**

## Tree Protection Zones

Tree protection zones should be established and maintained throughout the entire length of the project. Fencing for the protection zones should be 6 foot metal chain link fencing supported by metal poles or stakes pounded into the ground. The support poles should be spaced no less than 10 feet apart on center. The location for the protection fencing should be as close to the dripline as possible still allowing room for construction to safely continue. Signs should be placed on fencing signifying "Tree Protection Zone - Keep Out". No materials or equipment should be stored or cleaned inside the tree protection zones.

The project arborist will inspect the site prior to the start of demolition and again before the start of construction.

## Root Cutting

Any roots to be cut should be monitored and documented. Large roots or large masses of roots to be cut should be inspected by the site arborist. The site arborist may recommend fertilizing or irrigation if root cutting is significant. Cut all roots clean with a saw or loppers. Roots to be left exposed for a period of time should be covered with layers of burlap and kept moist. Root loss is expected for tree #4 and the project arborist will be on site for any root cutting or grading carried out within the trees dripline. The project arborist will inspect any significant root cutting.

## Walkway Construction:

The planned walkway will be quite close to the trunk of tree #1. To reduce impacts the excavation will be dug by hand or with the use of an air spade (air excavation tool). The hand digging area should extend for the trees entire root zone (10xDBH or 10x 27.2 inches as a radius). The project arborist will be on site to inspect any root cutting or damage. Class 2 base rock or structural soil will be used for compaction. Mitigating measures will be provided by the project arborist if impacts to the roots are significant.

## Trenching

Trenching for irrigation, electrical, drainage or any other reason should be hand dug when beneath the driplines of protected trees. Hand digging and carefully laying pipes below or beside protected roots will dramatically reduce root loss of desired trees thus reducing trauma to the entire tree. Trenches should be backfilled as soon as possible with native material and compacted to near its original level. Trenches that must be left exposed for a period of time should also be covered with layers of burlap or straw wattle and kept moist. Plywood over the top of the trench will also help protect exposed roots below.

## Irrigation

Normal irrigation should be maintained throughout the entire length of the project. The imported trees on this site will require irrigation during the warm season months. Some irrigation may be required during the winter months depending on the seasonal rainfall. During the summer months the trees on this site should receive heavy flood type irrigation 2 times a month. During the fall and winter 1 time a month should suffice. Mulching the root zone of protected trees will help the soil retain moisture, thus reducing water consumption.

#### Tree Trimming

All tree trimming or tree removal will be carried out by a licensed tree care provider. All trimming will be with ANSI Standards and the city of Mountain View standards. The project arborist will review any tree trimming on this site.

#### Inspection Schedule

The following inspection schedule will be followed for the entire length of the project:

- The tree protection measures will be inspected prior to the start of demolition and prior to the start of construction.
- Monthly inspections will be carried out during the first week of every month for the entire length of the project.
- Any excavation within the driplines of trees will be inspected prior to root cutting.

The information included in this report is believed to be true and based on sound arboricultural principles and practices.

Sincerely,

Kevin R. Kielty  
Certified Arborist WE#0476A

# Kielty Arborist Services

Certified Arborist WE#0476A

P.O. Box 6187

San Mateo, CA 94403

650-515-9783

June 28, 2021

MBI Groups

Attn: Mr. Michael Ahi

2251 Grant Road, Suite G

Los Altos, CA 94024

Site: 851 Sierra Vista, Mountain View, CA

Dear Mr. Ahi,

As requested, I am providing an inspection schedule contract for the above site.

The inspections will include:

- The site will be inspected throughout demolition to ensure preservation of trees.
- The site will be inspected prior to the start of construction.
- Monthly inspections will provided during the first week of each month with a report provided for the owner, contractor and city of Mountain View planning.
- Any excavation within the dripline of protected trees will be provided with mitigating measures if needed.
- Other inspections will be on an as needed basis.

Site visits or monthly inspections per visit will be:

**\$200.00**

Approved by \_\_\_\_\_

Kevin R. Kielty

Certified Arborist WE#0476

\_\_\_\_\_

# Kielty Arborist Services

Certified Arborist WE#0476A

P.O. Box 6187

San Mateo, CA 94403

650-515-9783

August 11, 2021

MBI Groups

Attn: Mr. Michael Ahi

2251 Grant Road, Suite G

Los Altos, CA 94024

Site: 851 Sierra Vista, Mountain View, CA

## Addendum:

The Developer recently informed me that they will need to remove Trees #2 and #4 on site, due to the Joint Trench Line and the Utility Boxes that cannot be moved.

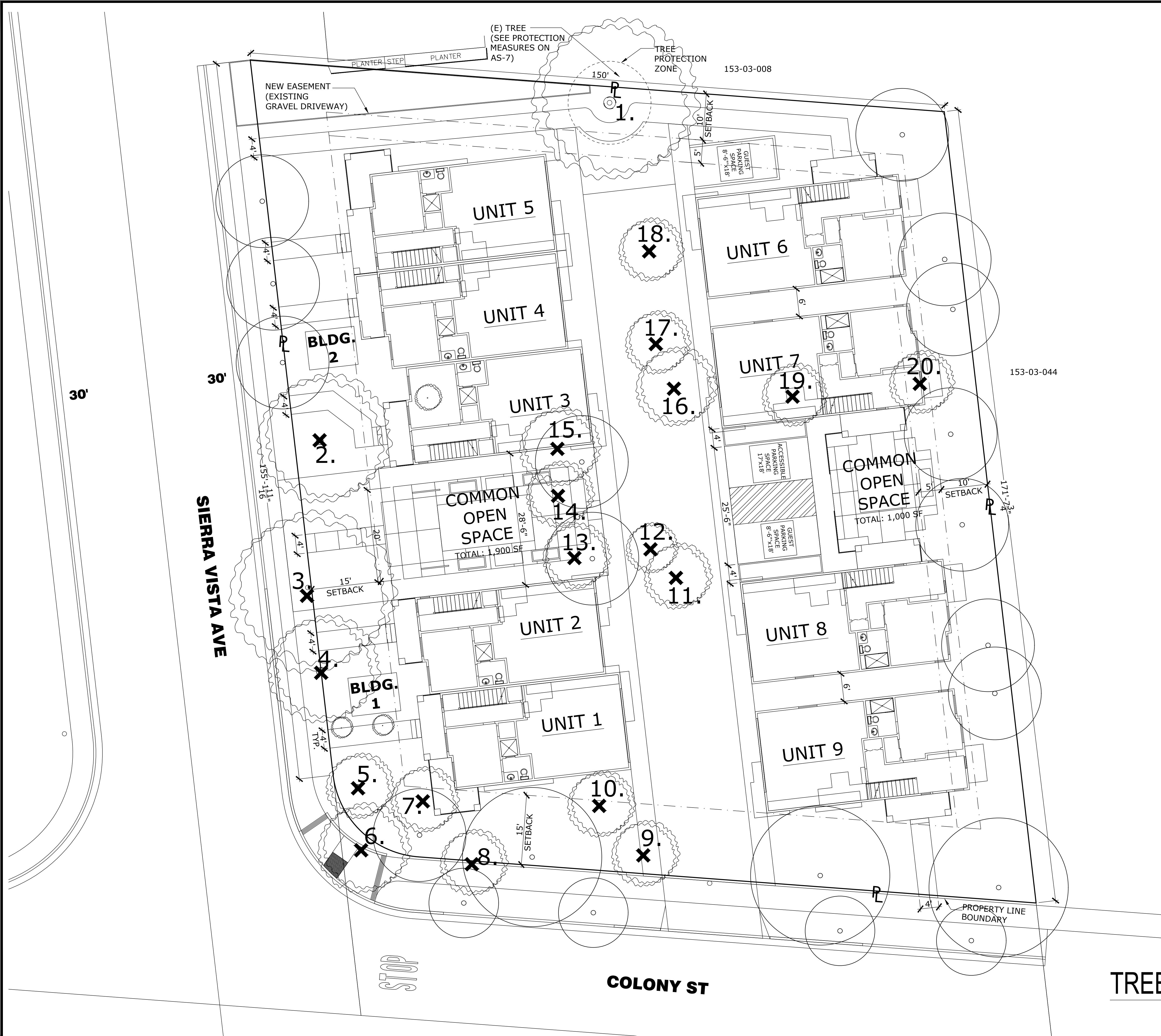
Tree #4 was already recommended for removal due to its fair/poor condition and possible impacts. Tree #2 also had major impacts because of its proximity to the existing berm. Given the amount of work being done and its proximity to these 2 trees, I would recommend removal for both.

Approved by Kevin Kielty

Kevin R. Kielty

Certified Arborist WE#0476

Kevin Kielty



TREE PRESERVATION SCHEDULE					
HERITAGE TREES TO REMAIN					
TREE NO.	SPECIES	DBH	CON.	HT/SP	ACTION
1.	SIBERIAN ELM	27.2	55	45/55	PRESERVE
HERITAGE TREES TO BE REMOVED					
4.	AUSTRALIAN WILLOW	17.3	60	30/35	REMOVE
3.	BLACK WALNUT	27.6	60	30/45	REMOVE
8.	LEMON	8.3-4.9-7.5	40	15/15	REMOVE
9.	SOUTHERN MAGNOLIA	14.6	45	15/10	REMOVE
10.	FRUITLESS MULBERRY	15.3	45	25/25	REMOVE
16.	MEXICAN FAN PALM	16.2	55	45/20	REMOVE
20.	REDWOOD	6	70	30/15	REMOVE
NON-HERITAGE TREES TO BE REMOVED					
2.	MODESTO ASH	12.5	55	30/35	REMOVE
5.	FRUITLESS MULBERRY	10.2	55	20/20	REMOVE
6.	LIQUIDAMBAR	12.3	50	30/25	REMOVE
7.	FRUITLESS MULBERRY	10.2	55	25/25	REMOVE
11.	WHITE ALDER	12.2	40	25/20	REMOVE
12.	WHITE ALDER	13.3	45	30/25	REMOVE
13.	FRUITLESS MULBERRY	9.4	50	20/20	REMOVE
14.	FRUITLESS MULBERRY	11.6	50	20/20	REMOVE
15.	FRUITLESS MULBERRY	12.8	50	20/20	REMOVE
17.	LIQUIDAMBAR	10.9	50	35/35	REMOVE
18.	SIBERIAN ELM	14.8	45	35/30	REMOVE
19.	HOLLY OAK	6	65	25/20	REMOVE

TOTAL HERITAGE TREES REMOVED: 7  
 TOTAL NON-HERITAGE TREES REMOVED: 12  
 SEE LANDSCAPE PLAN (L-1.0) FOR PLANTING PLAN

- TREE TO BE REMOVED
- NEW TREE (SEE SHEET L-1.0)
- TREE TO BE PRESERVED
- TREE PROTECTION ZONE

**TREE PROTECTION MEASURES (FROM ARBORIST REPORT):**

- TREE PROTECTION ZONES SHOULD BE ESTABLISHED AND MAINTAINED THROUGHOUT THE ENTIRE LENGTH OF THE PROJECT. FENCING FOR THE PROTECTION ZONES SHOULD BE 6 FOOT METAL CHAIN LINK FENCING SUPPORTED BY METAL POLES OR STAKES POUNDED INTO THE GROUND. THE SUPPORT POLES SHOULD BE SPACED NO LESS THAN 10 FEET APART ON CENTER. THE LOCATION FOR THE PROTECTION FENCING SHOULD BE AS CLOSE TO THE DRIPLINE AS POSSIBLE STILL ALLOWING ROOM FOR CONSTRUCTION TO SAFELY CONTINUE. SIGNS SHOULD BE PLACED ON FENCING SIGNIFYING "TREE PROTECTION ZONE - KEEP OUT". NO MATERIALS OR EQUIPMENT SHOULD BE STORED OR CLEANED INSIDE THE TREE PROTECTION ZONES. THE PROJECT ARBORIST WILL INSPECT THE SITE PRIOR TO THE START OF CONSTRUCTION AND AGAIN BEFORE THE START OF CONSTRUCTION.

**TREE PROTECTION NOTES:**

- REFER TO LANDSCAPE SHEET (L-1.0) FOR PLANTING PLAN
- CONTRACTOR TO MEET WITH THE PROJECT ARBORIST FOR MONTHLY INSPECTIONS
- TREE PROTECTION ZONE SHALL BE USED FOR (4) EXISTING TREES. FOR DETAILS ON TREE PROTECTION ZONE, SEE ARBORIST REPORT

**TREE PRESERVATION PLAN**   
 0' 10' 25' 1"= 10'-0" NORTH

**mai**  
 MBI Design

86 3rd Street  
 Unit 302  
 Los Altos, CA. 94022

(650) 208-1140  
 www.MBIHDDGROUPS.com

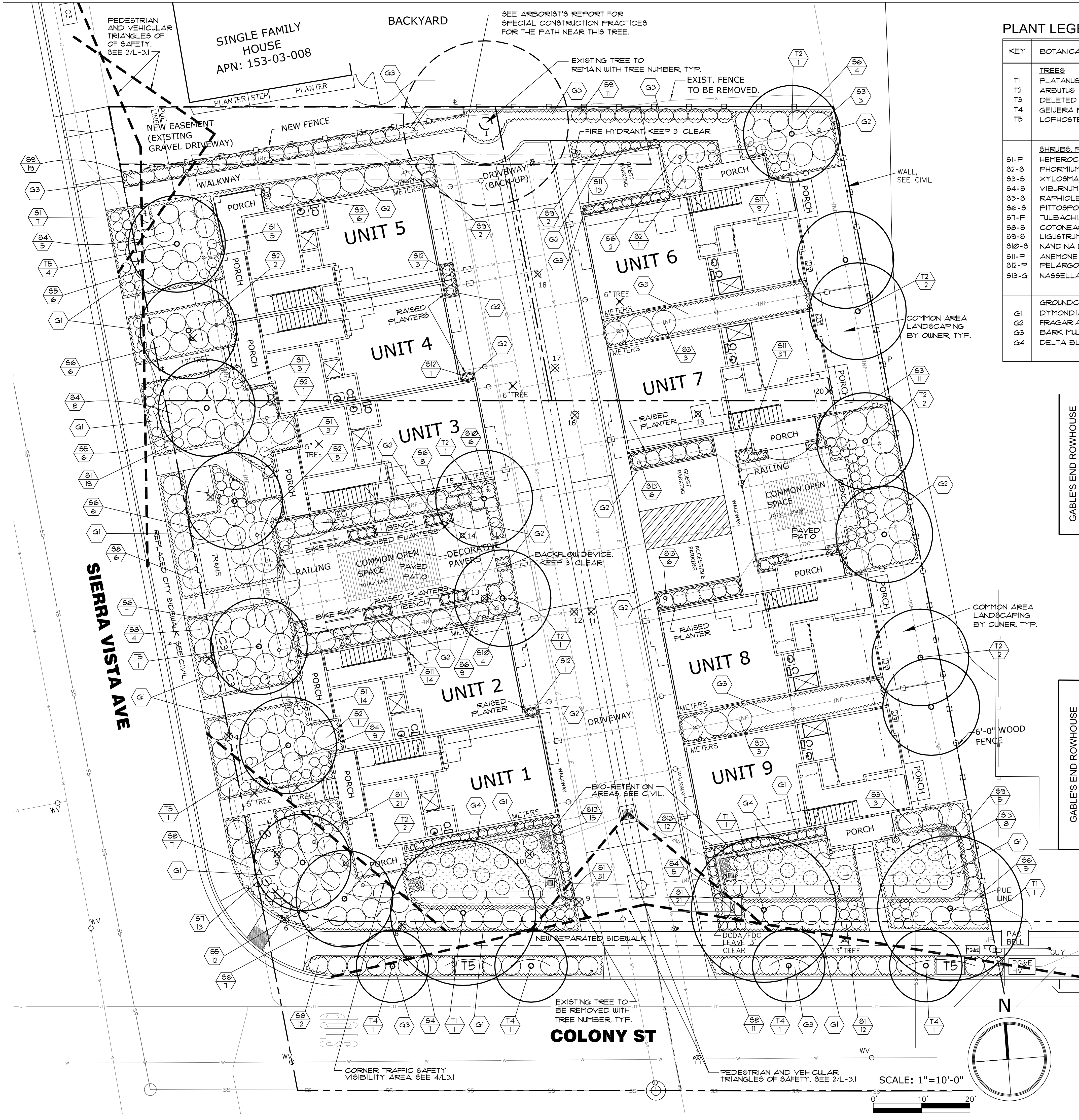
Notes:

**COLONY SIERRA HOMES**  
 851 & 853 (A+B) SIERRA VISTA AVE.  
 MOUNTAIN VIEW, CA 94043

Date:	6/30/21
Scale:	AS-NOTED
Job No:	1801
Revision:	

Sheet Name:  
**T-1**





**PLANT LEGEND**

KEY	BOTANICAL/Common NAME	SIZE	QTY.	REMARKS
<b>TREES</b>				
T1	PLATANUS ACERIFOLIA 'COLUMBIA'	LONDON PLANE TREE	24' BOX	3
T2	ARBUTUS 'MARINA'	N.C.N.	24' BOX	11
T3	DELETED			
T4	GEIJERA PARVIFOLIA	AUSTRALIAN WILLOW (STREET TREE)	36' BOX	6
T5	LOPHOSTEMUM CONFERTUS	BRISBANE BOX (STREET TREE)	36' BOX	4
<b>SHRUBS, PERENNIALS, AND GRASSES (DESIGNATED S, P, AND G)</b>				
S1-P	HEMEROCALLIS VAR'S.	DAY LILY	1 G.C.	136
S2-S	PHORMIUM T. 'APRICOT QUEEN'	NEW ZEALAND FLAX	5 G.C.	10
S3-S	XYLOSMA CONGESTUM	N.C.N.	5 G.C.	29
S4-S	VIBURNUM TINUS 'SPRING BOUQUET'	LAURUSTINUS	5 G.C.	34
S5-S	RAPIHOLEPIS I. 'DANCER'	INDIA HAWTHORN	5 G.C.	24
S6-S	PITTOSPORIUM T. 'VARIEGATA'	N.C.N.	5 G.C.	54
S7-P	TULBACHIA VIOLACEA	SOCIETY GARLIC	1 G.C.	13
S8-S	COTONEASTER D. 'LOWFAST'	BEARBERRY COTONEASTER	5 G.C.	40
S9-S	LIGUSTRUM J. 'TEXANUM'	TEXAS PRIVET	5 G.C.	39
S10-S	NANDINA DOMESTICA	HEAVENLY BAMBOO	5 G.C.	10
S11-P	ANEMONE X HYBRIDA	JAPANESE ANEMONE	1 G.C.	73
S12-P	FELARGONIUM FELTATUM 'RED'	IVY GERANIUM	1 G.C.	5
S13-G	NASSELLA TENUISSIMA	MEXICAN FEATHER GRASS	1 G.C.	47
<b>GROUNDCOVERS</b>				
G1	DYMONDIA MARGARETAE	N.C.N.	FLATS	AS REQ.
G2	FRAGARIA CHILOENSIS	WILD STRAWBERRY	FLATS	AS REQ.
G3	BARK MULCH			AS REQ.
G4	DELTA BLUEGRASS 'BIOFILTRATION SOD'		SOD	AS REQ.

**NOTES**

- SEE SEPARATE ARBORIST'S REPORT BY KIELTY ARBORIST SERVICES FOR FURTHER INFORMATION ON THE EXISTING TREES AND SEPARATE SHEET NO. T-1 'TREE PRESERVATION PLAN' FOR TREE INVENTORY AND TREE PROTECTION NOTES.
- PER CITY OF MOUNTAIN VIEW DEFINITION, EXISTING TREES NUMBER 1, 3, 4, 8, 9, 10, 16 AND 20 ARE HERITAGE TREES. TREE 1 IS TO REMAIN. TREES 3, 4, 8, 9, 10, 16 AND 20 ARE TO BE REMOVED.
- A 2' LAYER OF BARK CHIP MULCH WILL BE PROVIDED IN ALL LANDSCAPE AREAS.
- KEEP 3 FOOT MINIMUM CLEARANCE AROUND ALL FIRE EQUIPMENT - FDC, BFP, PIV, ETC.
- SEE SEPARATE SHEET AS-8 'SITE LANDSCAPE PLAN' FOR COMMON SPACE DETAILS SUCH AS BIKE RACK, BENCHES, PAVERS, AND RAISED PLANTERS.

**EXISTING AND PROPOSED TREES**

TOTAL EXISTING HERITAGE TREES	8	- SEE PLAN, NOTE #2, AND ARBORIST'S REPORT.
TOTAL HERITAGE TREES TO BE REMOVED	1	- SEE PLAN, NOTE #2, AND ARBORIST'S REPORT.
TOTAL HERITAGE TREES TO REMAIN	1	- SEE PLAN, NOTE #2, AND ARBORIST'S REPORT.
TOTAL NEW TREES TO BE PLANTED	24	TOTAL: 10 - 36' BOX STREET TREES AND 14 - 24' BOX ON-SITE TREES.

S1 INDICATES PLANT QUANTITY  
3/ INDICATES PLANT KEY

07/18/21	CITY COMMENTS AND COORDINATION
04/13/21	CITY COMMENTS AND COORDINATION
01/04/21	MISC. AND SUBMITTAL
10/26/20	CITY COMMENTS
07/22/20	CITY SUBMITTAL
05/15/18	CITY COMMENTS AND MISC.
05/20/18	MISC.
05/20/18	CITY COMMENTS
03/22/18	CITY COMMENTS
NO	DATE
NO	REVISIONS

**COLONY SIERRA HOMES**  
851 & 853 SIERRA VISTA AVE.  
MOUNTAIN VIEW, CALIFORNIA  
TRACT NUMBER 10567

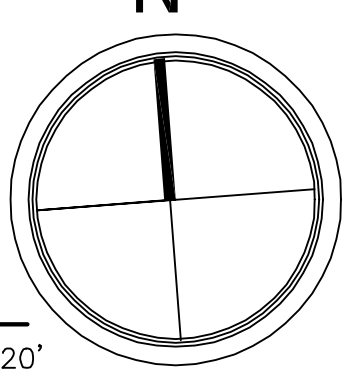


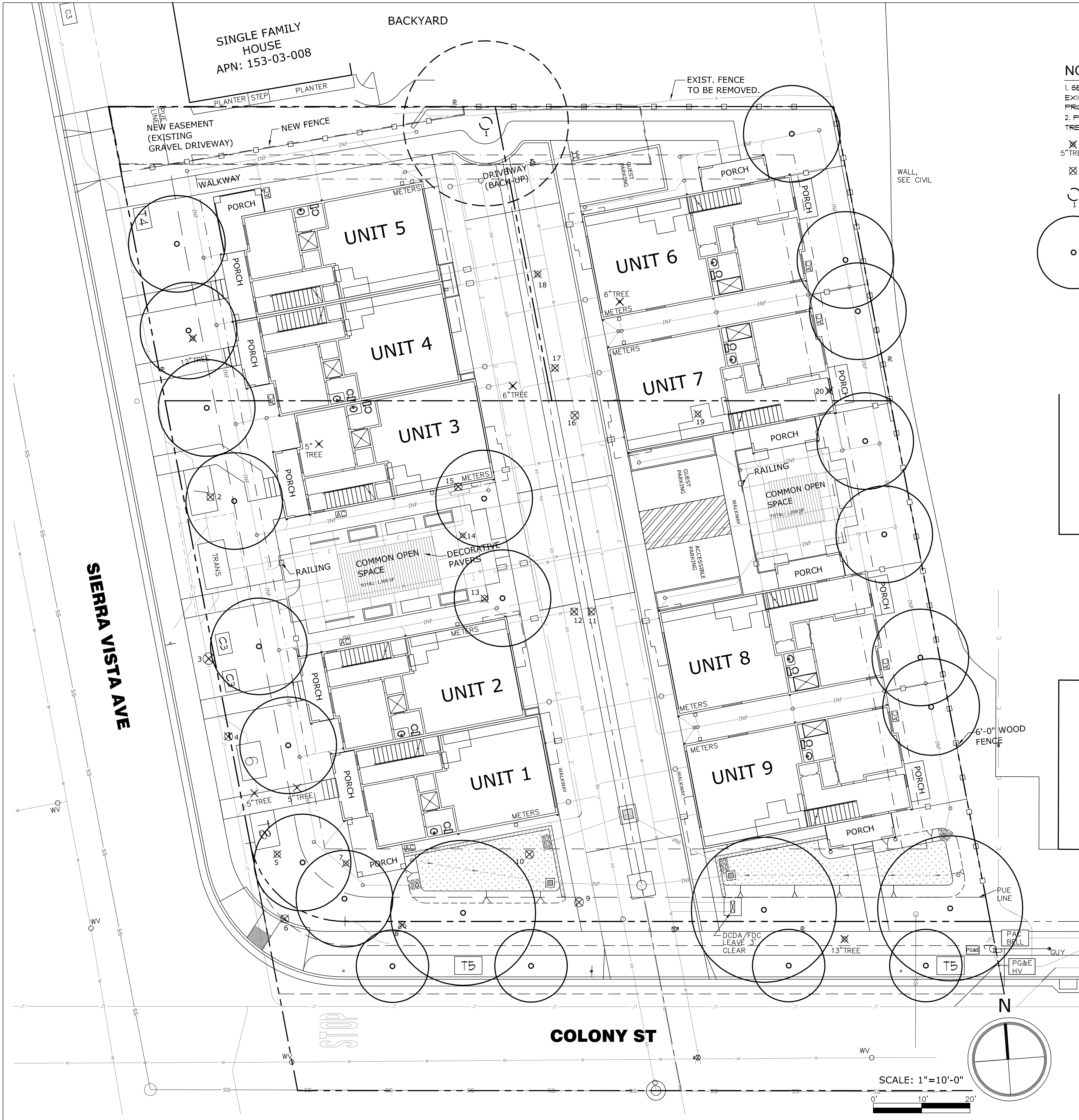
**WILSON & ASSOCIATES**  
LANDSCAPE ARCHITECTURE  
815 SAN DIEGO ROAD • BERKELEY, CA 94707  
PH: 510-644-9602 • E: cwilson15@gmail.com

**PLANTING PLAN**

BY: CW	DATE: 12/07/18
JOB:	
NAME, L.A.	EXP:
AS-BUILT PLANS PREPARED FROM LANDSCAPE ARCHITECT'S AND CONTRACTOR'S RECORD	
AS-BUILT PLAN DRAWINGS IN BOTH AUTOCAD 2016 AND PDF FORMAT HAVE BEEN SUBMITTED TO THE CITY	

SCALE: 1"=10'-0"





**NOTES**

1. SEE SEPARATE ARBORIST'S REPORT BY KIELTY ARBORIST SERVICES FOR FURTHER INFORMATION ON THE EXISTING TREES AND SEPARATE SHEET NO. T-1 'TREE PRESERVATION PLAN' FOR TREE INVENTORY AND TREE PROTECTION NOTES.  
 2. PER CITY OF MOUNTAIN VIEW DEFINITION, EXISTING TREES NUMBER 1, 3, 4, 8, 9, 10, 16 AND 20 ARE HERITAGE TREES. TREE 1 IS TO REMAIN. TREES 3, 4, 8, 9, 10, 16 AND 20 ARE TO BE REMOVED.

⊗ 5" TREE — INDICATES SMALL TREE NOT INVENTORED OR NUMBERED. SEE ARBORIST'S REPORT AND SITE SURVEY.  
 5" TREE

⊗ 2 — INDICATES EXISTING TREE TO BE REMOVED. TREE NUMBERING PER ARBORIST'S REPORT.

⊙ 1 — INDICATES EXISTING TREE TO REMAIN. TREE NUMBERING PER ARBORIST'S REPORT.

○ — INDICATES PROPOSED NEW TREE. SEE L-10, PLANTING PLAN.

NO	DATE	REVISIONS

**COLONY SIERRA HOMES**  
 851 & 853 SIERRA VISTA AVE.  
 MOUNTAIN VIEW, CALIFORNIA  
 TRACT NUMBER 10567



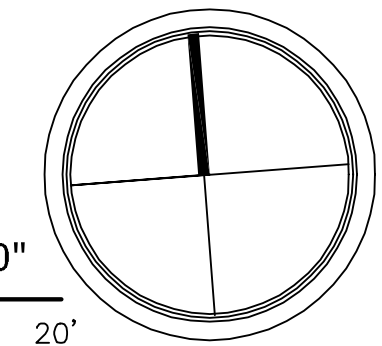
**WILSON & ASSOCIATES**  
 LANDSCAPE ARCHITECTURE  
 815 SAN DIEGO ROAD • BERKELEY, CA 94707  
 PH: 510-644-9602 • E: cwilson15@gmail.com

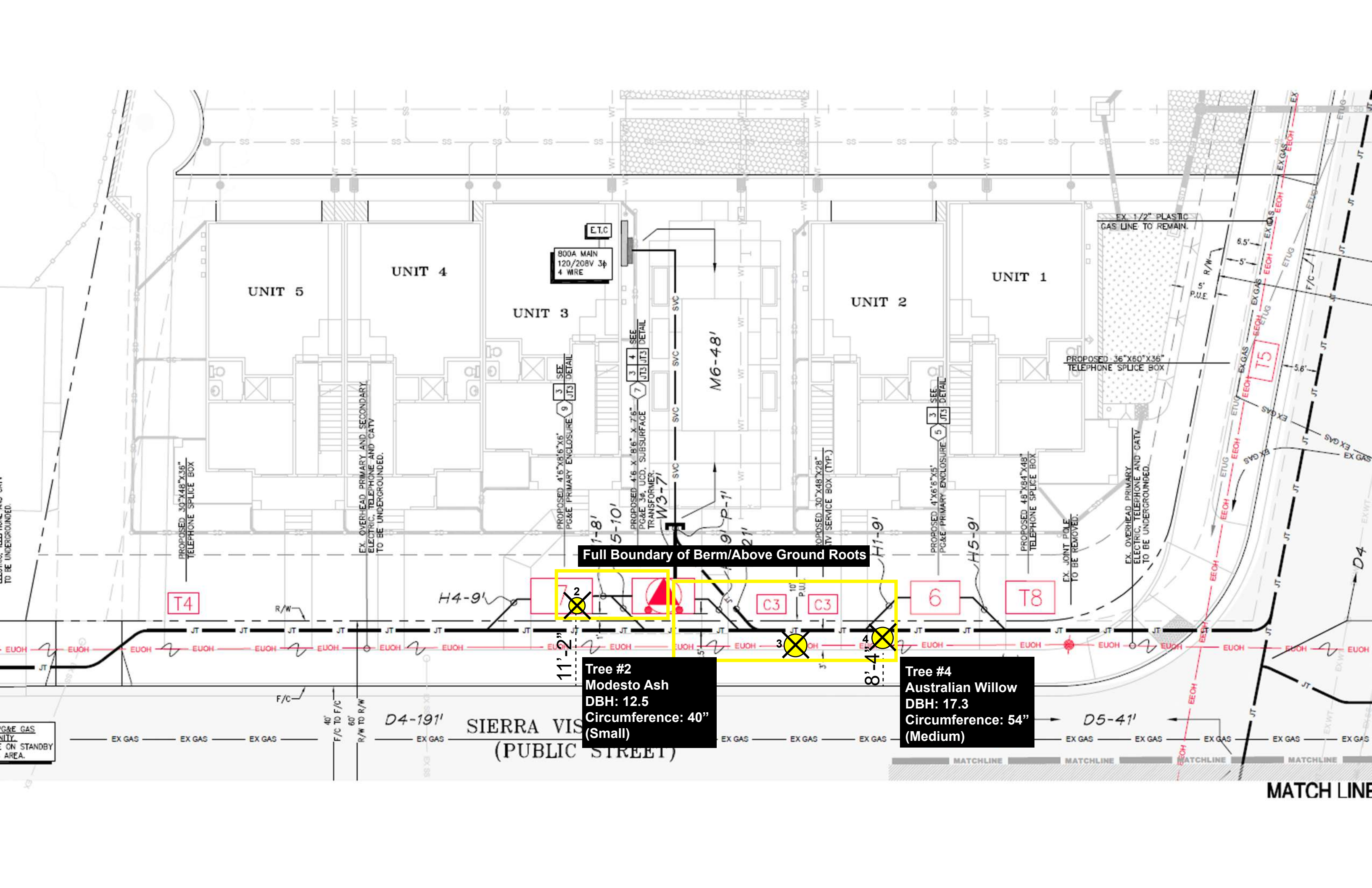
**TREE PLAN**

BY: CW  
 JOB:  
 DATE: 07/19/21

**L-1.3**  
 SHT. 25 OF 48

AS-BUILT PLANS PREPARED FROM LANDSCAPE ARCHITECT'S AND CONTRACTOR'S RECORD  
 BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 NAME, L.A. \_\_\_\_\_ EXP: \_\_\_\_\_  
AS-BUILT PLAN DRAWINGS IN BOTH AUTOCAD 2016 AND PDF FORMAT HAVE BEEN SUBMITTED TO THE CITY





**Full Boundary of Berm/Above Ground Roots**

**Tree #2  
Modesto Ash  
DBH: 12.5  
Circumference: 40"  
(Small)**

**Tree #4  
Australian Willow  
DBH: 17.3  
Circumference: 54"  
(Medium)**

**MATCHLINE**

