LOS ALTOS STATION 9 10900 BEECHWOOD LANE LOS ALTOS, CALIFORNIA 94024 VOLUME 1 - DRAWINGS

ENGINEERING DEPARTMENT PROJECT: 00117411

INDEX TO DRAWINGS

<u>NUMBER</u>

COVER, VICINITY MAP AND LOCATION MAP NEIGHBORHOOD CONTEXT MAP

SITE PLAN WITH GENERATOR PROJECT OVERVIEW AND KEY MAP

GRADING AND DRAINAGE MAP SECTIONS

ELEVATIONS

SITE PLAN WITH ALL TREES AND DEMOLITION PLAN TREE PROTECTION PLAN

ZONING COMPLIANCE				
	Existing	Proposed	Allowed/Required	
LOT COVERAGE: Land area covered by all structures that are over 6 feet in height	6,857 square feet (_27_%)	6,970 square feet (_27_%)	6,390 square feet (25 %)	
FLOOR AREA: Measured to the outside surfaces of exterior walls	1st Flr: 6,857 sq ft 2 nd Flr: NA sq ft Total: 6,857 sq ft (27 %)	1st Flr: 6,970 sq ft 2 nd Flr: NA sq ft Total: 6,970 sq ft (27 %)	5,305 square feet (21 %)	
SETBACKS: Front Rear Right side (1st/2nd) Left side (1st/2nd)	TO TANK 50 feet 25 feet 25 feet/ 25 feet 35 feet/ 35 feet	10 feet 150 feet 74 feet/ NA feet 43 feet/ NA feet	30 feet 35 feet 20 feet/NA feet 20 feet/NA feet	
Неіснт:	feet	8.5 feet	_27feet	

SQUARE FOOTAGE BREAKDOWN

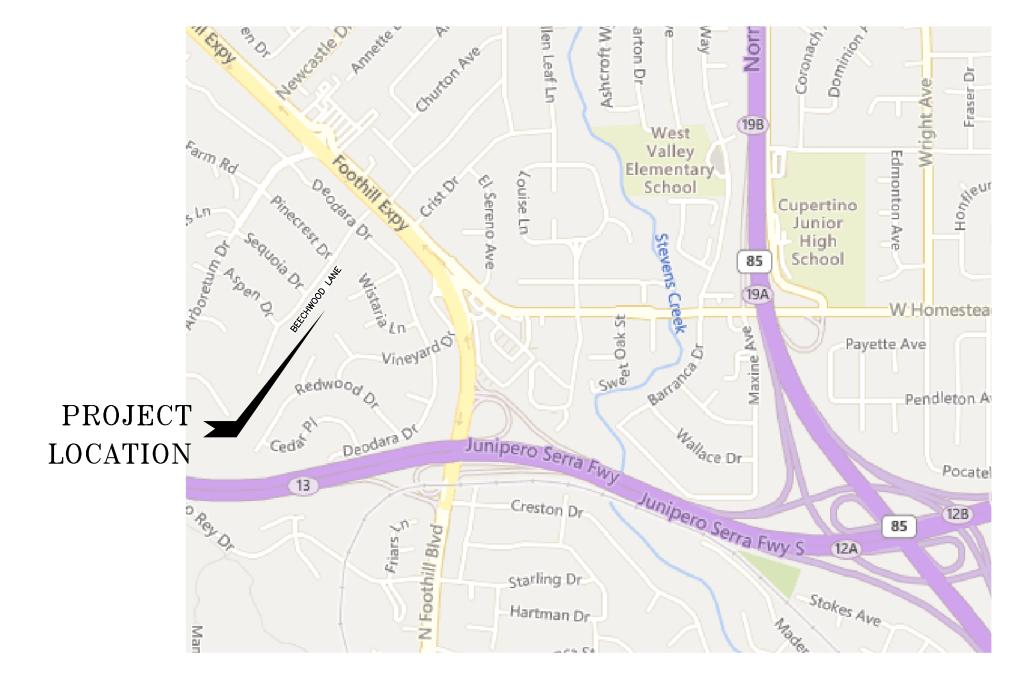
	Existing	Change in	Total Proposed
HABITABLE LIVING AREA: Includes habitable basement areas	NA square feet	NA square feet	NA square feet
NON- HABITABLE AREA: Does not include covered porches or open structures	6,857 square feet	square feet	6,970 square feet

LOT CALCULATIONS

NET LOT AREA:		<u>25,555</u> square feet	
Existing softscape (und		808 square feet (<u>3</u> %)	
		or replaced landscaping) area: 375 sq ft	

PROJECT SUMMARY TABLE

PROJECT DESCRIPTION: INSTALLING 125 kW GENERATOR FOR PUMP STATION ZONING: "R-1" SINGLE FAMILY RESIDENTIAL GENERAL PLAN LAND USE: SINGLE FAMILY LARGE LOT OWNER: CALIFORNIA WATER SERVICE ENGINEER: WATER WORKS ENGINEERS



LOCATION MAP

DESIGNED BY:

SAK/AL





APPROVED BY: (SIGNATURE)



LOS ALTOS

STATION

APRIL 2022 00117411 DRAWING NO.: LAS9-3575-G-001 SHT 1 OF 8

ENGINEERING

TECH REVIEW: DATE:

MAP

LOCATION

EUREKA REDDING CHICO LAKE TAHOE SACRAMENTO SAN FRANCISCO

FRESNO

LOS ANGELES

VICINITY MAP

BAKERSFIELD

SAN DIEGO

PROJECT

LOCATION

PACIFIC OCEAN



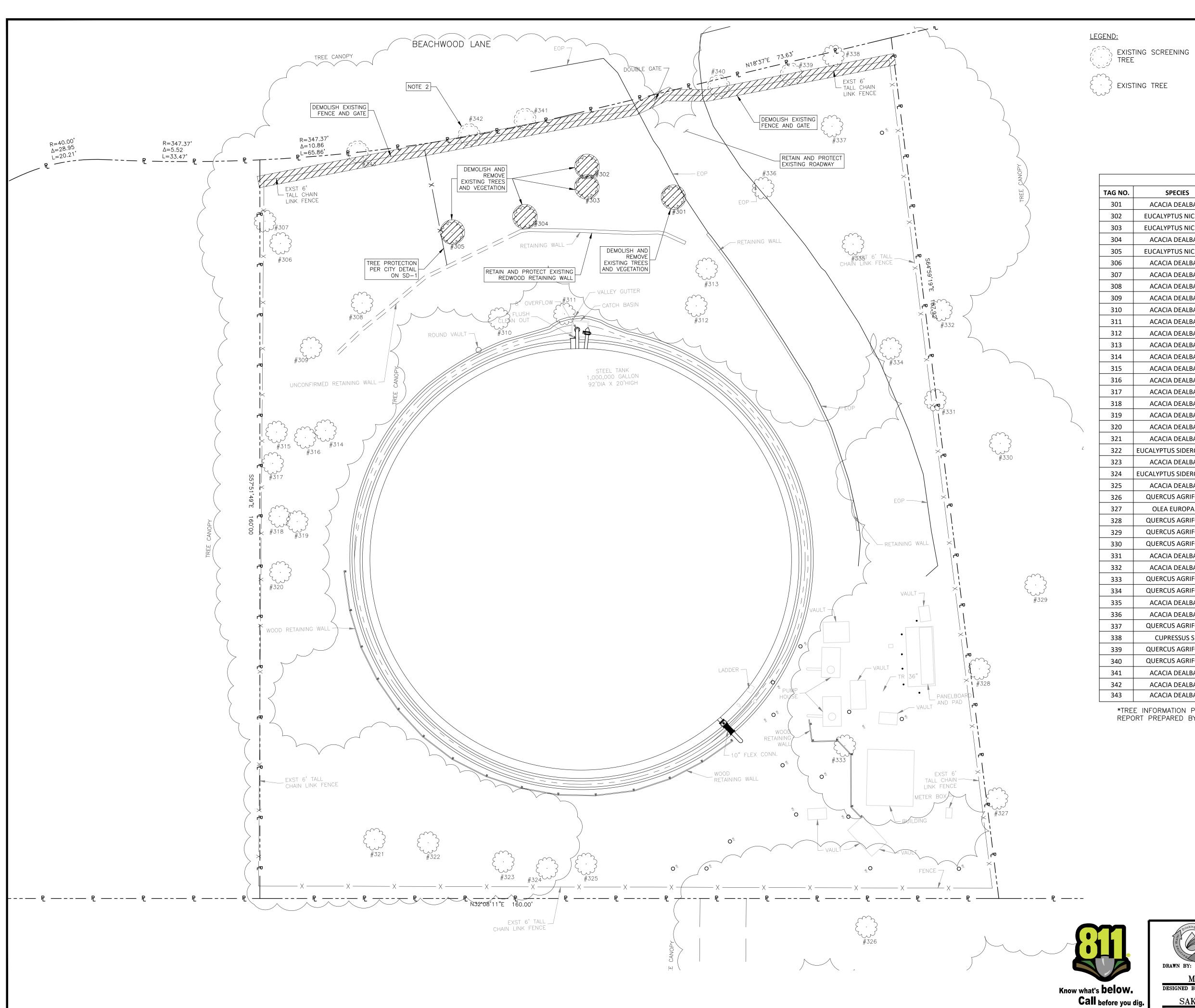
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LOS ALTOS

APRIL 2022
PROJECT ID.: 00117411 DRAWING NO.:

LAS9-3575-U-001 sht 2 of 8

SAK/PW



NOTE:

 PRIOR TO CONSTRUCTION, CONTRACTOR TO ENGAGE THE SERVICES OF AN ARBORIST TO OBTAIN TREE REMOVAL PERMIT FROM THE CITY OF LOS ALTOS FOR THE REMOVAL THE TREES INDICATED FOR DEMOLITION AND REMOVE THOSE TREES PER THE REQUIREMENTS OF THAT PERMIT PRIOR TO CONSTRUCTION.

2. EXISTING SCREEING TREES 339, 340, 341, 342, AND 343 SHALL NOT BE TRIMMED OR REMOVED.

TREE REMOVAL TABLE

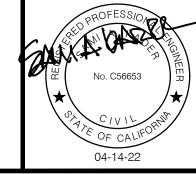
TAG NO.	SPECIES	DIAMETER (IN)	HEIGHT (FT)	RETAIN/REMOVE
301	ACACIA DEALBATA	7.2	45	REMOVE
302	EUCALYPTUS NICHOLII	20	50	REMOVE
303	EUCALYPTUS NICHOLII	17	50	REMOVE
304	ACACIA DEALBATA	5.7	35	REMOVE
305	EUCALYPTUS NICHOLII	16.5, 4.7, 2.7	50	REMOVE
306	ACACIA DEALBATA	11.1	30	RETAIN
307	ACACIA DEALBATA	10.5, 4.0, 4.0	35	RETAIN
308	ACACIA DEALBATA	18.4	50	RETAIN
309	ACACIA DEALBATA	8.2	35	RETAIN
310	ACACIA DEALBATA	8.6	30	RETAIN
311	ACACIA DEALBATA	11.8	40	RETAIN
312	ACACIA DEALBATA	15.8	40	RETAIN
313	ACACIA DEALBATA	9.6	50	RETAIN
314	ACACIA DEALBATA	14.6	45	RETAIN
315	ACACIA DEALBATA	10.5	40	RETAIN
316	ACACIA DEALBATA	7.2	30	RETAIN
317	ACACIA DEALBATA	12	40	RETAIN
318	ACACIA DEALBATA	11.7	50	RETAIN
319	ACACIA DEALBATA	14.3	40	RETAIN
320	ACACIA DEALBATA	17.6	20	RETAIN
321	ACACIA DEALBATA	13.9	35	RETAIN
322	EUCALYPTUS SIDEROXYLON	26.9	55	RETAIN
323	ACACIA DEALBATA	13.1	20	RETAIN
324	EUCALYPTUS SIDEROXYLON	28.3	60	RETAIN
325	ACACIA DEALBATA	7.5	20	RETAIN
326	QUERCUS AGRIFOLIA	5	20	RETAIN
327	OLEA EUROPAEA	7, 4, 3	25	RETAIN
328	QUERCUS AGRIFOLIA	20	40	RETAIN
329	QUERCUS AGRIFOLIA	12	40	RETAIN
330	QUERCUS AGRIFOLIA	16, 12	45	RETAIN
331	ACACIA DEALBATA	5	20	RETAIN
332	ACACIA DEALBATA	16	50	RETAIN
333	QUERCUS AGRIFOLIA	22	35	RETAIN
334	QUERCUS AGRIFOLIA	23.5	35	RETAIN
335	ACACIA DEALBATA	11.6	30	RETAIN
336	ACACIA DEALBATA	10.7	25	RETAIN
337	QUERCUS AGRIFOLIA	18.7	25	RETAIN
338	CUPRESSUS SP.	5.5, 5.0	20	RETAIN
339	QUERCUS AGRIFOLIA	6.5	20	RETAIN
340	QUERCUS AGRIFOLIA	5	15	RETAIN
341	ACACIA DEALBATA	15.5	35	RETAIN
342	ACACIA DEALBATA	9.4	35	RETAIN
343	ACACIA DEALBATA ACACIA DEALBATA	16.2	3	RETAIN
J-J	, to tolk bertebata	10.2	3	112171114

*TREE INFORMATION PER AUGUST 31, 2021 ARBORIST REPORT PREPARED BY HELIX ENVIRONMENTAL PLANNING.

20 FEET HORIZSCALE 1"=10'



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ENGINEERING



DEPARTMENT

PLAT SHEET NO.:

1"=10'

PMWTECH REVIEW:

CHECKED BY: CVBAPPROVED BY: DATE:

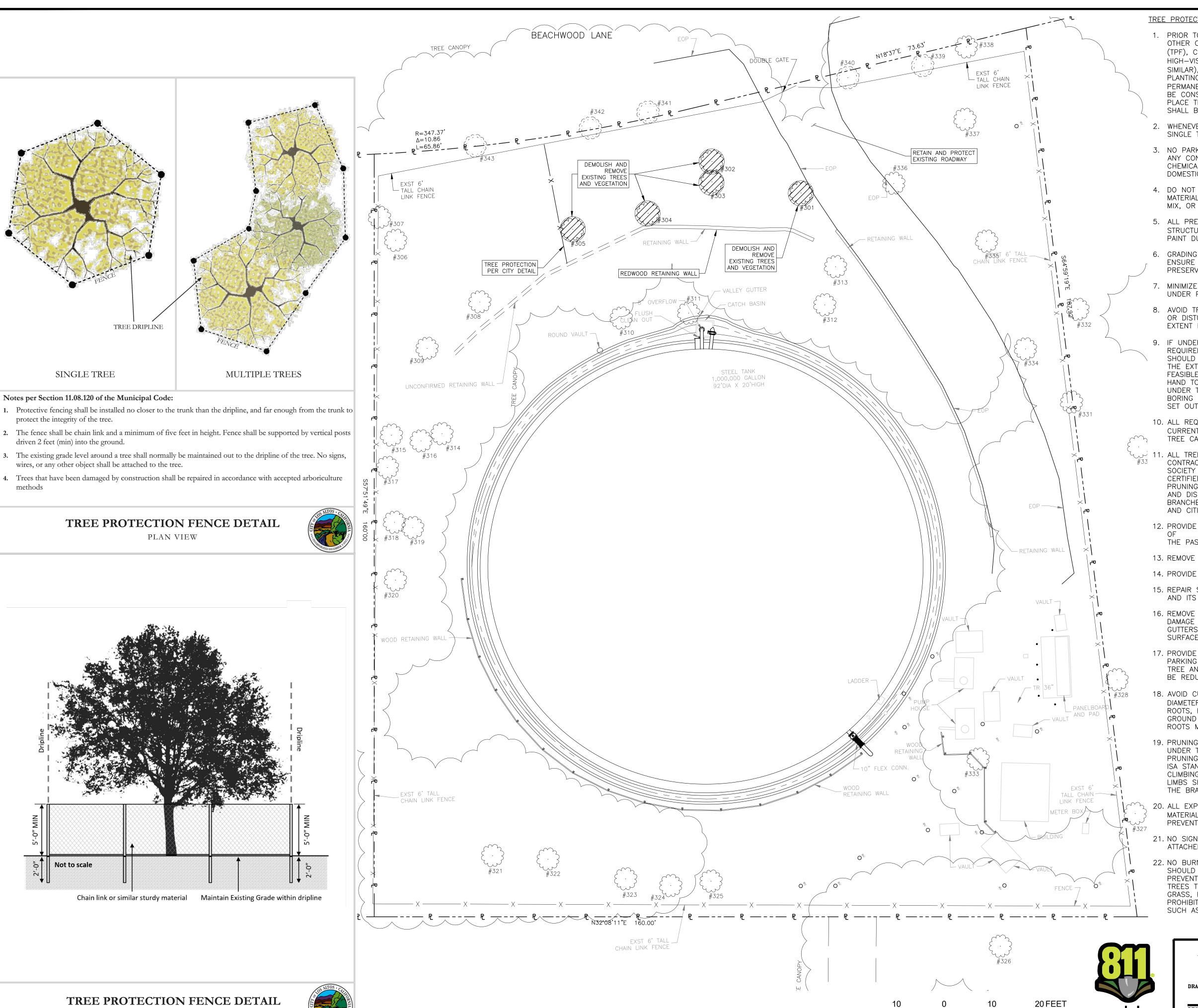
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LOS ALTOS

APRIL 2022
PROJECT ID.:

00117411 DRAWING NO.:

LAS9-3575-C-005 SHT 7 OF 8



ELEVATION VIEW

TREE PROTECTION REQUIREMENTS:

1. PRIOR TO ANY GRADING, MOVEMENT OF HEAVY EQUIPMENT, OR OTHER CONSTRUCTION ACTIVITIES, TREE PROTECTION FENCING (TPF), CONSISTING OF A MINIMUM FOUR—FOOT TALL HIGH—VISIBILITY FENCE (ORANGE PLASTIC SNOW FENCE OR SIMILAR), SHOULD BE INSTALLED AT THE EDGE OF EXISTING PLANTING AREA AROUND TREES TO BE PRESERVED. IF PERMANENT IMPROVEMENTS (E.G., PAVING, STRUCTURES) WILL BE CONSTRUCTED WITHIN THE EXISTING PLANTING AREA, THEN PLACE TPF ONE—FOOT OUTSIDE OF LIMIT OF WORK. FENCING SHALL BE REMOVED UPON COMPLETION OF CONSTRUCTION.



- 2. WHENEVER POSSIBLE, FENCE MULTIPLE TREES TOGETHER IN A SINGLE TPF ZONE.
- 3. NO PARKING, PORTABLE TOILETS, DUMPING OR STORAGE OF ANY CONSTRUCTION MATERIALS, INCLUDING OIL, GAS, OR OTHER CHEMICALS, OR OTHER INFRINGEMENT BY WORKERS OR DOMESTICATED ANIMALS IS ALLOWED IN THE TPF.
- 4. DO NOT PLACE OR STORE ANY EQUIPMENT OR CONSTRUCTION MATERIALS INTO OR ALLOW FLOW OF ANY OIL, FUEL, CONCRETE MIX, OR OTHER DELETERIOUS SUBSTANCE WITHIN THE TPF.
- 5. ALL PRESERVED TREES LOCATED WITHIN 25-FEET OF STRUCTURES SHOULD BE PROTECTED FROM STUCCO AND/OR PAINT DURING CONSTRUCTION.
- 6. GRADING SHOULD BE DESIGNED TO AVOID PONDING AND ENSURE PROPER DRAINAGE WITHIN DRIPLINES OF ALL PRESERVED TREES.
- 7. MINIMIZE DISTURBANCE TO THE EXISTING GROUND SURFACE UNDER PRESERVED TREES TO THE GREATEST EXTENT FEASIBLE.
- 8. AVOID TRENCHING, GRADING, PAVING, OR OTHERWISE DAMAGING OR DISTURBING ANY ROOTS WITHIN THE TPF TO THE GREATEST EXTENT FEASIBLE.
- 9. IF UNDERGROUND UTILITIES AND/OR IRRIGATION TRENCHING IS REQUIRED THAT WILL ENCROACH WITHIN THE TPF, THEY SHOULD BE BORED OR DRILLED UNDER THE ROOT SYSTEM TO THE EXTENT FEASIBLE. IF BORING OR DRILLING IS NOT FEASIBLE, REQUIRED TRENCHING SHOULD BE COMPLETED BY HAND TOOLS, AIR SPADES, OR OTHER ACCEPTABLE MEASURES UNDER THE SUPERVISION OF AN ISA—CERTIFIED ARBORIST. BORING MACHINERY, BORING PITS, AND SPOILS SHOULD BE SET OUTSIDE OF THE TPF.
- 10. ALL REQUIRED TREE WORK SHOULD CONFORM TO THE MOST CURRENT AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) TREE CARE STANDARDS.
- 11. ALL TREE PRUNING SHOULD BE PERFORMED BY A LANDSCAPE CONTRACTOR THAT IS CERTIFIED BY THE INTERNATIONAL SOCIETY OF ARBORICULTURE AS A CERTIFIED TREE TRIMMER OR CERTIFIED ARBORIST OR OTHER QUALIFIED TREE EXPERT. TREE PRUNING IS LIMITED TO THE FOLLOWING: REMOVE DEAD WOOD AND DISEASED, CROWDED, AND WEAKLY ATTACHED TRUNKS AND BRANCHES WHICH CREATE A HAZARD TO PRIVATE PROPERTY AND CITIZENS.
- 12. PROVIDE ADEQUATE CLEARANCE AND VISIBILITY FOR SAFE USE OF PARKING STALLS, TRAVEL WAYS, AND WALKWAYS FOR THE PASSAGE OF PERSONS AND VEHICLES.
- 13. REMOVE VISIBILITY OBSTRUCTION OF TRAFFIC SIGNS.
- 14. PROVIDE ADEQUATE VISIBILITY FOR SECURITY PATROLS.
- 15. REPAIR SPLIT TREES AND LIMBS IN ORDER TO SAVE THE TREE AND ITS APPEARANCE.
- 16. REMOVE OR SEVER ROOTS OF TREES WHICH ARE CAUSING DAMAGE TO PUBLIC OR PRIVATE PROPERTY SUCH AS CURBS, GUTTERS, SIDEWALK, DRAINAGE LINES, AND PARKING LOT SURFACES.
- 17. PROVIDE VISIBILITY FOR MERCHANT SIGNAGE AND INCREASE PARKING LOT LIGHTING ONLY WHEN THE AESTHETICS OF THE TREE AND THE PARKING LOT SHADING REQUIREMENTS WILL NOT BE REDUCED.
- 18. AVOID CUTTING MAJOR ROOTS (ONE—INCH OR GREATER IN DIAMETER) TO THE GREATEST EXTENT FEASIBLE. CUT ALL ROOTS, REGARDLESS OF SIZE, CLEANLY AT THE EDGE OF GROUND DISTURBANCE WITH PRUNING INSTRUMENTS AND KEEP ROOTS MOIST UNTIL COVERED WITH SOIL.
- 19. PRUNING OF LIVING LIMBS OR ROOTS SHOULD BE DONE UNDER THE SUPERVISION OF AN ISA—CERTIFIED ARBORIST. ALL PRUNING SHOULD BE DONE BY HAND, IN ACCORDANCE WITH ISA STANDARDS USING TREE MAINTENANCE BEST PRACTICES. CLIMBING SPIKES SHOULD NOT BE USED ON LIVING TREES. LIMBS SHOULD BE REMOVED WITH CLEAN CUTS JUST OUTSIDE THE BRANCH COLLAR.
- 20. ALL EXPOSED ROOTS SHOULD BE COVERED WITH PROTECTIVE MATERIAL (E.G., DAMP BURLAP) DURING CONSTRUCTION TO PREVENT DRYING OUT.
- 21. NO SIGNS, ROPES, CABLES, OR ANY OTHER ITEM SHOULD BE ATTACHED TO A TREE.
- 22. NO BURNING OR USE OF EQUIPMENT WITH AN OPEN FLAME SHOULD OCCUR NEAR OR WITHIN THE TPF. APPROPRIATE FIRE PREVENTION TECHNIQUES SHOULD BE EMPLOYED AROUND ALL TREES TO BE PRESERVED. THIS INCLUDES CUTTING TALL GRASS, REMOVING FLAMMABLE DEBRIS WITHIN THE TPF, AND PROHIBITING THE USE OF TOOLS THAT MAY CAUSE SPARKS, SUCH AS METAL BLADE TRIMMERS OR MOWERS.

SAK/PW

HORIZSCALE 1"=10'

ENGINEERING



DEPARTMENT

DATE: INI
DISTRIBUTION
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SYSTEM
SCHEMATIC

PLAT SHEET NO.:

CALE: 1"=10'

MDT
SIGNED BY:

PMW

CH REVIEW: DATE

CHECKED BY: DATE:

CVB
APPROVED BY: DATE:

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CIVIL PROTECTION PLAN

CIVIL TREE PROTECTIO

ISTRICT:
LOS ALTOS

APRIL 2022
PROJECT ID.:

00117411
DRAWING NO.:

LAS9-3575-C-006 SHT 8 OF 8

