

Appendix D.5 Tree Mitigation Plan

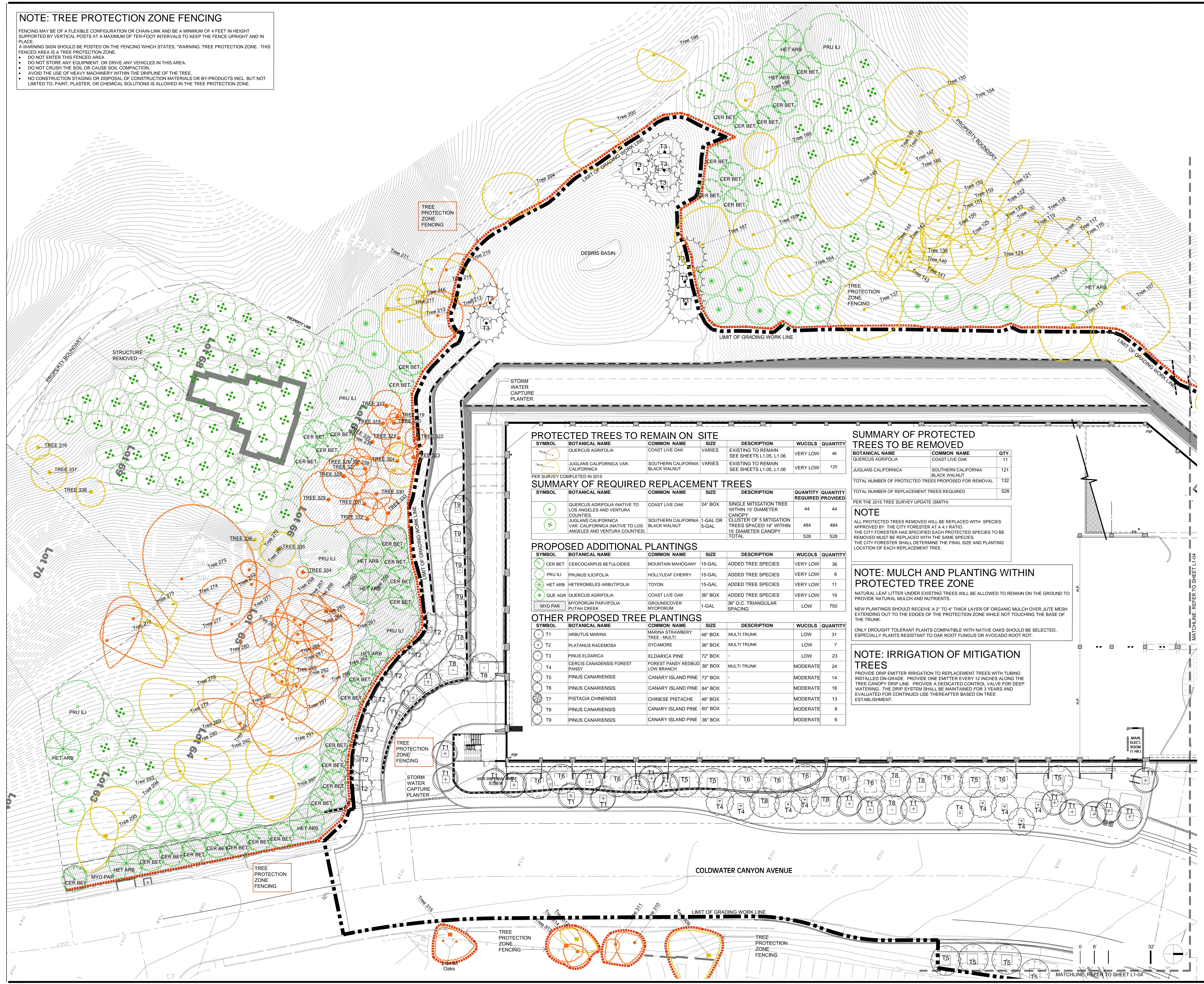
NOTE: TREE PROTECTION ZONE FENCING

FENCING MAY BE OF A FLEXIBLE CONFIGURATION OR CHAIN-LINK AND BE A MINIMUM OF 4 FEET IN HEIGHT SUPPORTED BY VERTICAL POSTS AT A MAXIMUM OF TEN-FOOT INTERVALS TO KEEP THE FENCE UPRIGHT AND IN PLACE.

A WARNING SIGN SHOULD BE POSTED ON THE FENCING WHICH STATES, "WARNING: TREE PROTECTION ZONE. FENCED AREA IS A TREE PROTECTION ZONE."

DO NOT ENTER THIS FENCED AREA

- DO NOT STORE ANY EQUIPMENT, OR DRIVE ANY VEHICLES IN THIS AREA.
- DO NOT CRUSH THE SOIL OR CAUSE SOIL COMPACTION
- AVOID THE USE OF HEAVY MACHINERY WITHIN THE DRIPLINE OF THE TREE.
- NO CONSTRUCTION STAGING OR DISPOSAL OF CONSTRUCTION MATERIALS OR BY-PRODUCTS INCL. BUT NOT LIMITED TO, PAINT, PLASTER, OR CHEMICAL SOLUTIONS IS ALLOWED IN THE TREE PROTECTION ZONE.



PROTECTED TREES TO REMAIN ON SITE

SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	DESCRIPTION	WUCOLS	QUANTITY
	QUERCUS AGRIFOLIA	COAST LIVE OAK	VARIABLES	EXISTING TO REMAIN SEE SHEETS L1.05, L1.06	VERY LOW	46
	JUGLANS CALIFORNICA VAR. CALIFORNICA	SOUTHERN CALIFORNIA BLACK WALNUT	VARIABLES	EXISTING TO REMAIN SEE SHEETS L1.05, L1.06	VERY LOW	125

SUMMARY OF REQUIRED REPLACEMENT TREES

SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	DESCRIPTION	QUANTITY REQUIRED	QUANTITY PROVIDED
	QUERCUS AGRIFOLIA (NATIVE TO LOS ANGELES AND VENTURA COUNTIES)	COAST LIVE OAK	24" BOX	SINGLE MITIGATION TREE WITHIN 15' DIAMETER CANOPY	44	44
	JUGLANS CALIFORNICA VAR. CALIFORNICA (NATIVE TO LOS ANGELES AND VENTURA COUNTIES)	SOUTHERN CALIFORNIA BLACK WALNUT	1-5 GAL OR 5-GAL	CLUSTER OF 5 MITIGATION TREES SPACED 18" WITHIN 15' DIAMETER CANOPY	484	484
TOTAL					528	528

PROPOSED ADDITIONAL PLANTINGS

SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	DESCRIPTION	WUCOLS	QUANTITY
	CERCOCARPUS BETULOIDES	MOUNTAIN MAHOGANY	15-GAL	ADDED TREE SPECIES	VERY LOW	36
	PRUNUS ILICIFOLIA	HOLLYLEAF CHERRY	15-GAL	ADDED TREE SPECIES	VERY LOW	6
	HETEROMELES ARBUTIFOLIA	TOYON	15-GAL	ADDED TREE SPECIES	VERY LOW	11
	QUERCUS AGRIFOLIA	COAST LIVE OAK	36" BOX	ADDED TREE SPECIES	VERY LOW	19
	MYOPORUM PARVIFOLIA	GROUNDCOVER MYOPORUM	1-GAL	36" O.C. TRIANGULAR SPACING	LOW	750

OTHER PROPOSED TREE PLANTINGS

SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	DESCRIPTION	WUCOLS	QUANTITY
	ARBUTUS MARINA	MARINA STRAWBERRY TREE - MULTI	48" BOX	MULTI TRUNK	LOW	31
	PLATANUS RACEMOSA	SYCAMORE	36" BOX	MULTI TRUNK	LOW	7
	PINUS ELIOTIANA	ELIOTIANA PINE	72" BOX	MULTI TRUNK	LOW	23
	CERCIS CANADENSIS FOREST PANSY	FOREST PANSY REDBUD	36" BOX	MULTI TRUNK	MODERATE	24
	PINUS CANARIENSIS	CANARY ISLAND PINE	72" BOX	MULTI TRUNK	MODERATE	14
	PINUS CANARIENSIS	CANARY ISLAND PINE	84" BOX	MULTI TRUNK	MODERATE	16
	PISTACIA CHINENSIS	CHINESE PISTACHE	48" BOX	MULTI TRUNK	MODERATE	13
	PINUS CANARIENSIS	CANARY ISLAND PINE	60" BOX	MULTI TRUNK	MODERATE	8
	PINUS CANARIENSIS	CANARY ISLAND PINE	36" BOX	MULTI TRUNK	MODERATE	6

SUMMARY OF PROTECTED TREES TO BE REMOVED

BOTANICAL NAME	COMMON NAME	QTY.
QUERCUS AGRIFOLIA	COAST LIVE OAK	11
JUGLANS CALIFORNICA	SOUTHERN CALIFORNIA BLACK WALNUT	121
TOTAL NUMBER OF PROTECTED TREES PROPOSED FOR REMOVAL		132
TOTAL NUMBER OF REPLACEMENT TREES REQUIRED		528

PER THE 2015 TREE SURVEY UPDATE (SMITH)

NOTE
ALL PROTECTED TREES REMOVED WILL BE REPLACED WITH SPECIES APPROVED BY THE CITY FORESTER AT A 4:1 RATIO. THE CITY FORESTER HAS SPECIFIED EACH PROTECTED SPECIES TO BE REMOVED MUST BE REPLACED WITH THE SAME SPECIES. THE CITY FORESTER SHALL DETERMINE THE FINAL SIZE AND PLANTING LOCATION OF EACH REPLACEMENT TREE.

NOTE: MULCH AND PLANTING WITHIN PROTECTED TREE ZONE

NATURAL LEAF LITTER UNDER EXISTING TREES WILL BE ALLOWED TO REMAIN ON THE GROUND TO PROVIDE NATURAL MULCH AND NUTRIENTS.

NEW PLANTINGS SHOULD RECEIVE A 2" TO 4" THICK LAYER OF ORGANIC MULCH OVER JUTE MESH EXTENDING OUT TO THE EDGES OF THE PROTECTION ZONE WHILE NOT TOUCHING THE BASE OF THE TRUNK.

ONLY DROUGHT TOLERANT PLANTS COMPATIBLE WITH NATIVE OAKS SHOULD BE SELECTED, ESPECIALLY PLANTS RESISTANT TO OAK ROOT FUNGUS OR AVOCADO ROOT ROT.

NOTE: IRRIGATION OF MITIGATION TREES

PROVIDE DRIP EMITTER IRRIGATION TO REPLACEMENT TREES WITH TUBING INSTALLED ON-GRADE. PROVIDE ONE EMITTER EVERY 12 INCHES ALONG THE TREE CANOPY DRIP LINE. PROVIDE A DEDICATED CONTROL VALVE FOR DEEP WATERING. THE DRIP SYSTEM SHALL BE MAINTAINED FOR 3 YEARS AND EVALUATED FOR CONTINUED USE THEREAFTER BASED ON TREE ESTABLISHMENT.



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Issue	Date	Issue Description
01	07.21.2016	SD SUBMITTAL
02	08.18.2016	50% DESIGN DEV. SUBMITTAL
03	09.30.2016	100% DESIGN DEV. SUBMITTAL
04	11.18.2016	50% CD SUBMITTAL
05	12.16.2016	PROGRESS SET
06	01.10.2017	PROGRESS SET
07	01.25.2017	COORDINATED SUBMITTAL SET

Seal/Signature

Bennitt Design Group Project Number
12.018.00
CAD File Name:
L1-00-Protected Tree Replacement B
Sheet Description:
TREE REPLACEMENT PLAN

Drawing Scale:
AS NOTED
L1.03

PROTECTED TREES TO REMAIN ON SITE

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PER SURVEY COMPLETED IN 2015

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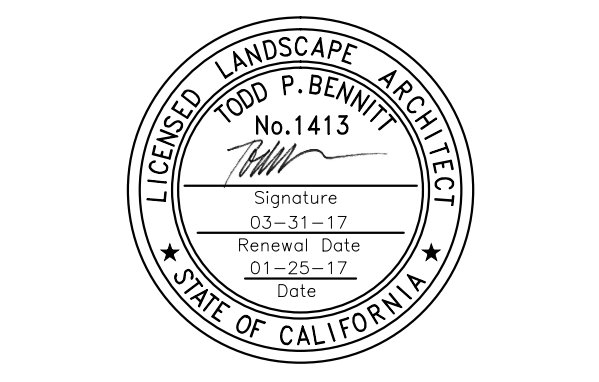
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Seal/Signature



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TREE REPLACEMENT PLAN

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