

EROSION CONTROL SEED MIX AND NOTES

ALL DISTURBED AREAS SHALL BE SEEDED WITH THE FOLLOWING:

Botanical name	Common Name	Rate
<i>Bromus carinatus</i>	California brome grass	6.1
<i>Elymus glaucus</i>	blue wildrye	3.3
<i>Festuca idahoensis</i>	Idaho fescue	2.3
<i>Festuca rubra</i> 'Molate'	creeping red fescue	2.4
<i>Stipa pulchra</i>	purple needlegrass	11.4

RATE IS GIVEN IN POUNDS OF PURE LIVE SEED PER ACRE.

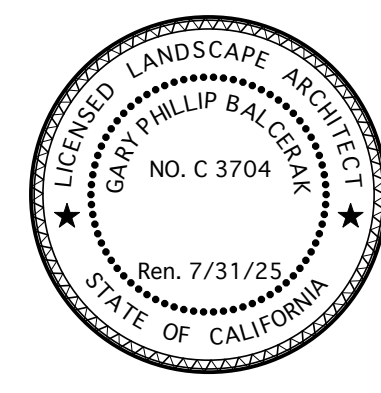
- SEEDING SHALL BE PERFORMED ONLY AFTER THE SOIL IS IN A LOOSE AND FRIABLE CONDITION TO A MINIMUM DEPTH OF 6 INCHES. SOIL CLODS SHALL NOT BE LARGER THAN 2 INCHES IN ANY DIMENSION AFTER CULTIVATION. THE AREAS TO BE CULTIVATED MUST EXTEND 12 INCHES BEYOND THE OUTER LIMIT OF EACH PLANTING AREA.
- DEBRIS ENCOUNTERED DURING SOIL PREPARATION IN PLANTING AREAS MUST BE BROUGHT TO THE GROUND SURFACE AND REMOVED.
- THE SEED SHALL BE BROADCAST USING HAND HELD SEEDERS SUCH AS "WHIRLYBIRD", WHILE SEEDING, CONTINUALLY MIX THE SEED TO EQUALLY DISTRIBUTE THE SEEDS THROUGHOUT THE MIX. THE SEEDS SHALL BE RAKED TO AN AVERAGE DEPTH OF 1/4 INCH.
- SEED MUST BE TESTED FOR PURITY AND GERMINATION BY A SEED LABORATORY CERTIFIED BY THE ASSOCIATION OF OFFICIAL SEED ANALYSTS OR BY A SEED TECHNOLOGIST CERTIFIED BY THE SOCIETY OF COMMERCIAL SEED TECHNOLOGISTS. TESTS MUST BE PERFORMED WITHIN 12 MONTHS BEFORE APPLICATION.
- AFTER SEEDS MIX HAS BEEN BROADCAST MULCH WITH STRAW. STRAW SHALL BE DRY AND FREE OF WEED SEEDS. STRAW MUST HAVE NOT BEEN USED FOR STABLE BEDDING. STRAW MUST BE FREE OF PLASTIC, GLASS, METAL, ROCKS, AND REFUSE OR OTHER DELETERIOUS MATERIAL. SPREAD AT THE RATE OF 50 POUNDS PER 1000 SQUARE FEET. SPREAD IT UNIFORMLY BY HAND TO A DEPTH OF ONE INCH, OR USE A MECHANICAL STRAW BLOWER. MULCH SHALL NOT BE APPLIED DURING PERIODS OF HIGH WINDS OR OTHER UNFAVORABLE CONDITIONS.
- PLANTING AREAS THAT HAVE BEEN CULTIVATED AND BECOME COMPACTED FOR ANY REASON SHALL BE RECULTIVATED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.

IRRIGATION STATEMENT
ALL PLANTING AREAS SHALL BE IRRIGATED BY AN AUTOMATIC IRRIGATION SYSTEM THAT MEETS THE REQUIREMENTS OF THE EFFICIENT USE OF WATER IN THE LANDSCAPE

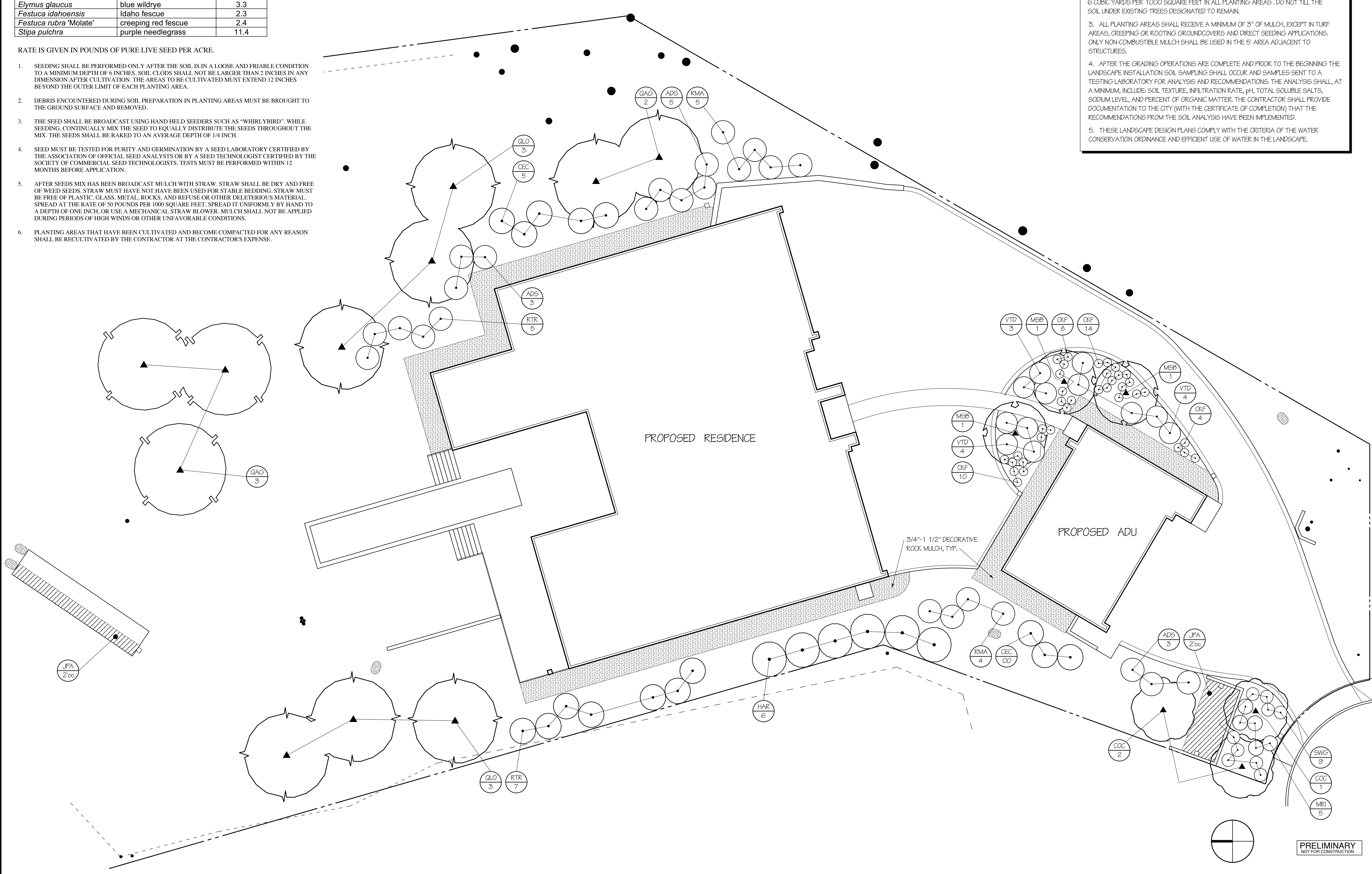
PLANTING NOTES:

- A MINIMUM OF 8" OF NON-MECHANICALLY COMPACTED SOIL SHALL BE AVAILABLE FOR WATER ABSORPTION AND ROOT GROWTH IN PLANTED AREAS.
- INCORPORATE COMPOST INTO THE SOIL TO A MINIMUM DEPTH OF 8" AT A RATE OF 6 CUBIC YARDS PER 1000 SQUARE FEET IN ALL PLANTING AREAS. DO NOT TILL THE SOIL UNDER EXISTING TREES DESIGNATED TO REMAIN.
- ALL PLANTING AREAS SHALL RECEIVE A MINIMUM OF 3" OF MULCH, EXCEPT IN TURF AREAS, CREEPING OR ROOTING GROUNDCOVERS AND DIRECT SEEDING APPLICATIONS. ONLY NON-COMBUSTIBLE MULCH SHALL BE USED IN THE 5' AREA ADJACENT TO STRUCTURES.
- AFTER THE GRADING OPERATIONS ARE COMPLETE AND PRIOR TO THE BEGINNING THE LANDSCAPE INSTALLATION SOIL SAMPLING SHALL OCCUR AND SAMPLES SENT TO A TESTING LABORATORY FOR ANALYSIS AND RECOMMENDATIONS. THE ANALYSIS SHALL, AT A MINIMUM, INCLUDE: SOIL TEXTURE, INFILTRATION RATE, pH, TOTAL SOLUBLE SALTS, SODIUM LEVEL, AND PERCENT OF ORGANIC MATTER. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION TO THE CITY (WITH THE CERTIFICATE OF COMPLETION) THAT THE RECOMMENDATIONS FROM THE SOIL ANALYSIS HAVE BEEN IMPLEMENTED.
- THESE LANDSCAPE DESIGN PLANS COMPLY WITH THE CRITERIA OF THE WATER CONSERVATION ORDINANCE AND EFFICIENT USE OF WATER IN THE LANDSCAPE.

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PLANTING PLAN

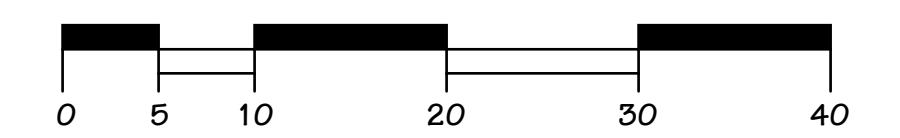


HU RESIDENCE
APN: 153-300-004
844 VAUGHN COURT
SANTA ROSA, CALIFORNIA

Date	No.	Revision

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Of 3 Sheets

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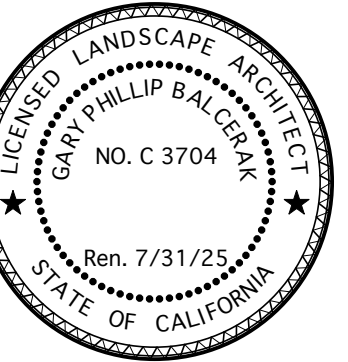


PLANTING LEGEND

KEY	SIZE	BOTANICAL NAME	COMMON NAME	REMARKS	WATER USE
		TREES			
COC	#15	CERCIS OCCIDENTALIS	CALIFORNIA REDBUD		VERY LOW
MSB	#15	MAGNOLIA X SOULANGEANA 'BURGUNDY'	SAUCER MAGNOLIA	MULTI-TRUNK	MEDIUM
QAG	#15	QUERCUS AGRIFOLIA	COAST LIVE OAK		VERY LOW
GLO	#15	QUERCUS LOBATA	VALLEY OAK		LOW
		SHRUBS			
AD5	#5	ARCTOSTAPHYLOS DENSIFLORA 'SENTINEL'	MANZANITA		LOW
CEC	#5	CEANOTHUS 'CONCHA'	WILD LILAC		LOW
HAR	#5	HETEROMELES ARBUTIFOLIA	TOYON		LOW
RTR	#5	RHUS TRILOBATA	SKUNK BUSH		LOW
RMA	#5	RIBES MALVACEUM 'DANCING TASSELS'	CHAFARRAL CURRRANT		VERY LOW
VTD	#5	VIBURNUM TINUS 'COMPACTUM'	LAURUSTINUS		MEDIUM
		PERENNIALS			
OKF	#1	CALAMAGRÖSTIS X ACUTIFLORA 'KARL FOERSTER'	FEATHER REEDGRASS		MEDIUM
MRI	#1	MUHLENBERGIA RIGENS	DEER GRASS		LOW
SWG	#1	SALVIA CLEVELANDII 'WINNIFRED GILMAN'	SAGE	CA NATIVE, LIMITED RANGE	LOW
		GROUNDCOVERS			
JFA	#1	JUNCUS PATENS	CALIFORNIA RUSH	2' O.C. TRI. SPACING	LOW

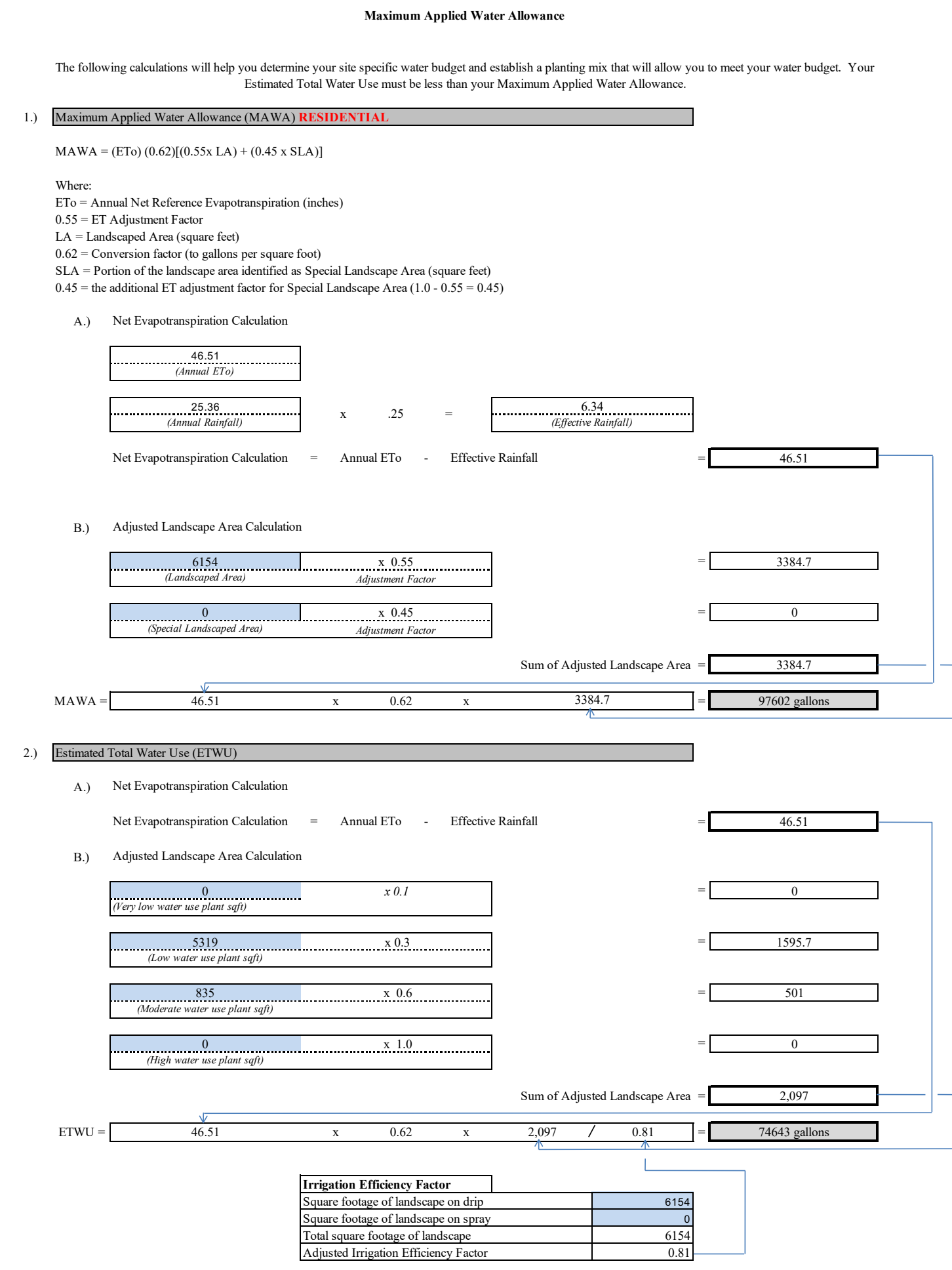
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PLANT LEGEND AND MAWA

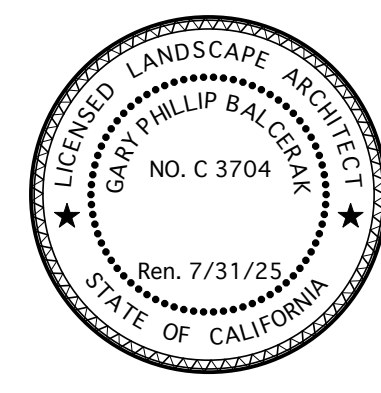
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TREE PLAN

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Date	No.	Revision

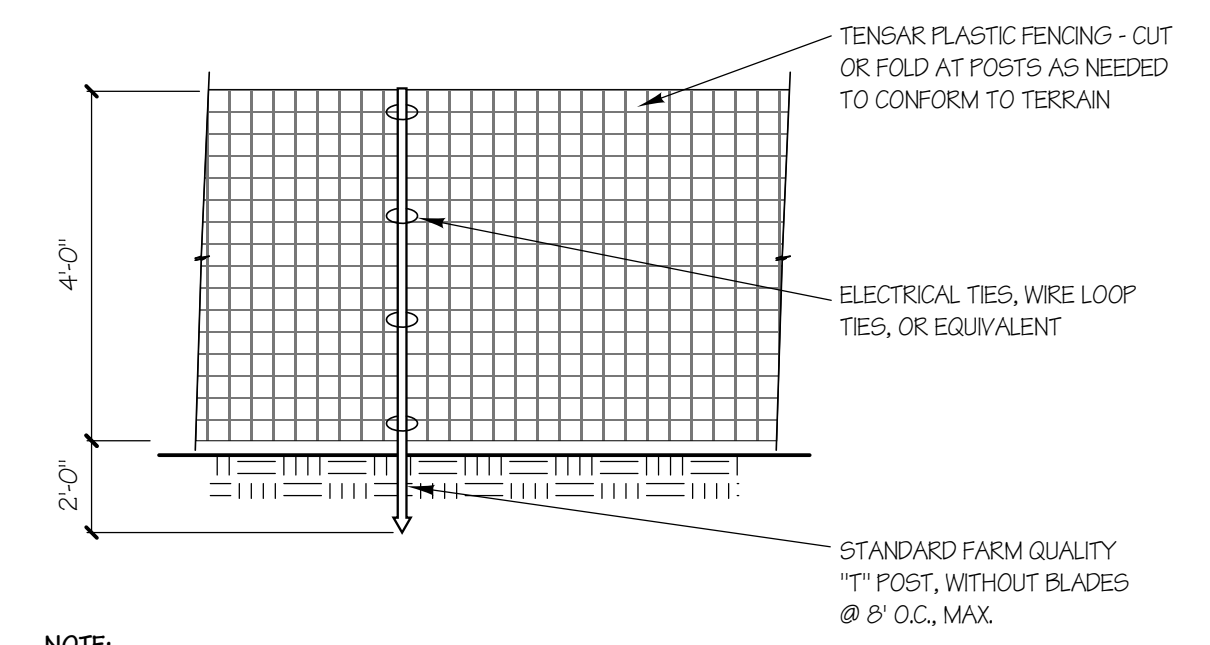
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TREE REMOVAL CHART

Tree	Species	Diameter	Vigor	Structure
1	<i>Quercus agrifolia</i> (coast live oak)	11.9"	Good	Good
2	<i>Quercus agrifolia</i> (coast live oak)	8.7"	Fair	Fair
3	<i>Quercus agrifolia</i> (coast live oak)	6.4", 3.6"	Fair	Fair
4	<i>Quercus agrifolia</i> (coast live oak)	6.2"	Fair	Good
5	<i>Quercus agrifolia</i> (coast live oak)	6.9", 2.1"	Fair	Fair/Poor
6	<i>Quercus agrifolia</i> (coast live oak)	10.0"	Fair/Poor	Good
7	<i>Quercus agrifolia</i> (coast live oak)	12.6"	Good	Good
8	<i>Quercus agrifolia</i> (coast live oak)	12.5"	Good	Good
12	<i>Quercus lobata</i> (valley oak)	10.1"	Good	Good
13	<i>Quercus agrifolia</i> (coast live oak)	7.8"	Good	Good
20	<i>Quercus agrifolia</i> (coast live oak)	10.4"	Good	Fair
21	<i>Quercus agrifolia</i> (coast live oak)	7.5", 8.2"	Good	Fair
22	<i>Quercus agrifolia</i> (coast live oak)	9.8"	Good	Good/Fair
23	<i>Quercus agrifolia</i> (coast live oak)	17.8"	Good	Good
24	<i>Quercus agrifolia</i> (coast live oak)	9.5"	Good	Good
25	<i>Quercus agrifolia</i> (coast live oak)	10.4"	Good	Good
26	<i>Quercus agrifolia</i> (coast live oak)	10.5"	Good	Good
27	<i>Quercus agrifolia</i> (coast live oak)	10.3"	Good	Good
29	<i>Quercus agrifolia</i> (coast live oak)	6.9", 8.7", 6.1"	Good	Fair

TREE PROTECTION NOTES:

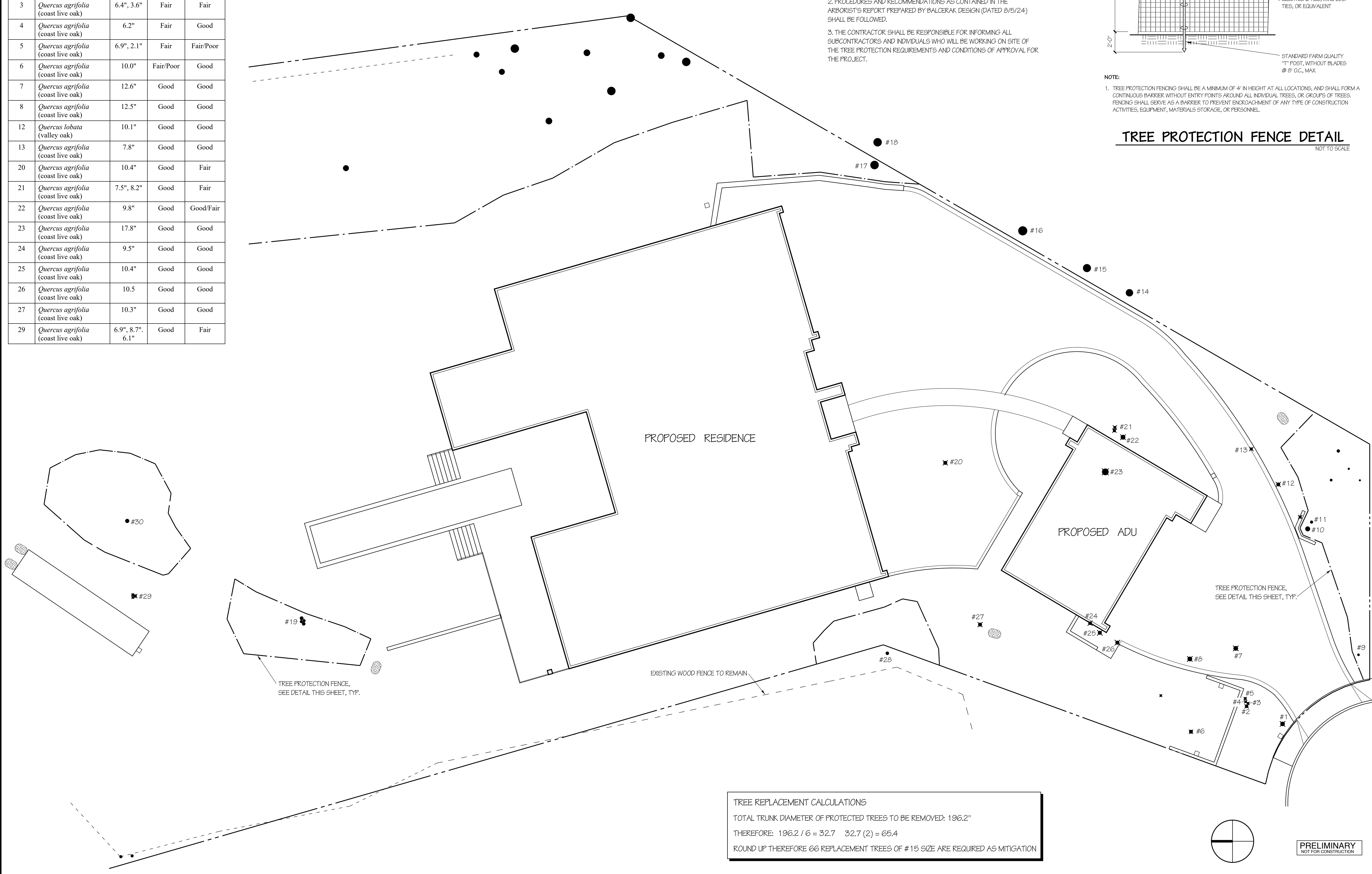
1. THE TREE PROTECTION FENCING SHALL BE INSTALLED PRIOR TO ANY GRADING OPERATIONS, ONCE THE FENCE IS INSTALLED IT SHALL NOT BE MOVED WITHOUT AUTHORIZATION FROM THE PROJECT ARBORIST.
2. PROCEDURES AND RECOMMENDATIONS AS CONTAINED IN THE ARBORIST'S REPORT PREPARED BY BALCERAK DESIGN (DATED 8/5/24) SHALL BE FOLLOWED.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INFORMING ALL SUBCONTRACTORS AND INDIVIDUALS WHO WILL BE WORKING ON SITE OF THE TREE PROTECTION REQUIREMENTS AND CONDITIONS OF APPROVAL FOR THE PROJECT.



NOTE:

1. TREE PROTECTION FENCING SHALL BE A MINIMUM OF 4' IN HEIGHT AT ALL LOCATIONS, AND SHALL FORM A CONTINUOUS BARRIER WITHOUT ENTRY POINTS AROUND ALL INDIVIDUAL TREES, OR GROUPS OF TREES. FENCING SHALL SERVE AS A BARRIER TO PREVENT ENCROACHMENT OF ANY TYPE OF CONSTRUCTION ACTIVITIES, EQUIPMENT, MATERIALS STORAGE, OR PERSONNEL.

TREE PROTECTION FENCE DETAIL
 NOT TO SCALE



TREE REPLACEMENT CALCULATIONS
 TOTAL TRUNK DIAMETER OF PROTECTED TREES TO BE REMOVED: 196.2"
 THEREFORE: $196.2 / 6 = 32.7$ $32.7 (2) = 65.4$
 ROUND UP THEREFORE 66 REPLACEMENT TREES OF #15 SIZE ARE REQUIRED AS MITIGATION