

PROJECT NO.: 216063

DATE: 03/13/2017

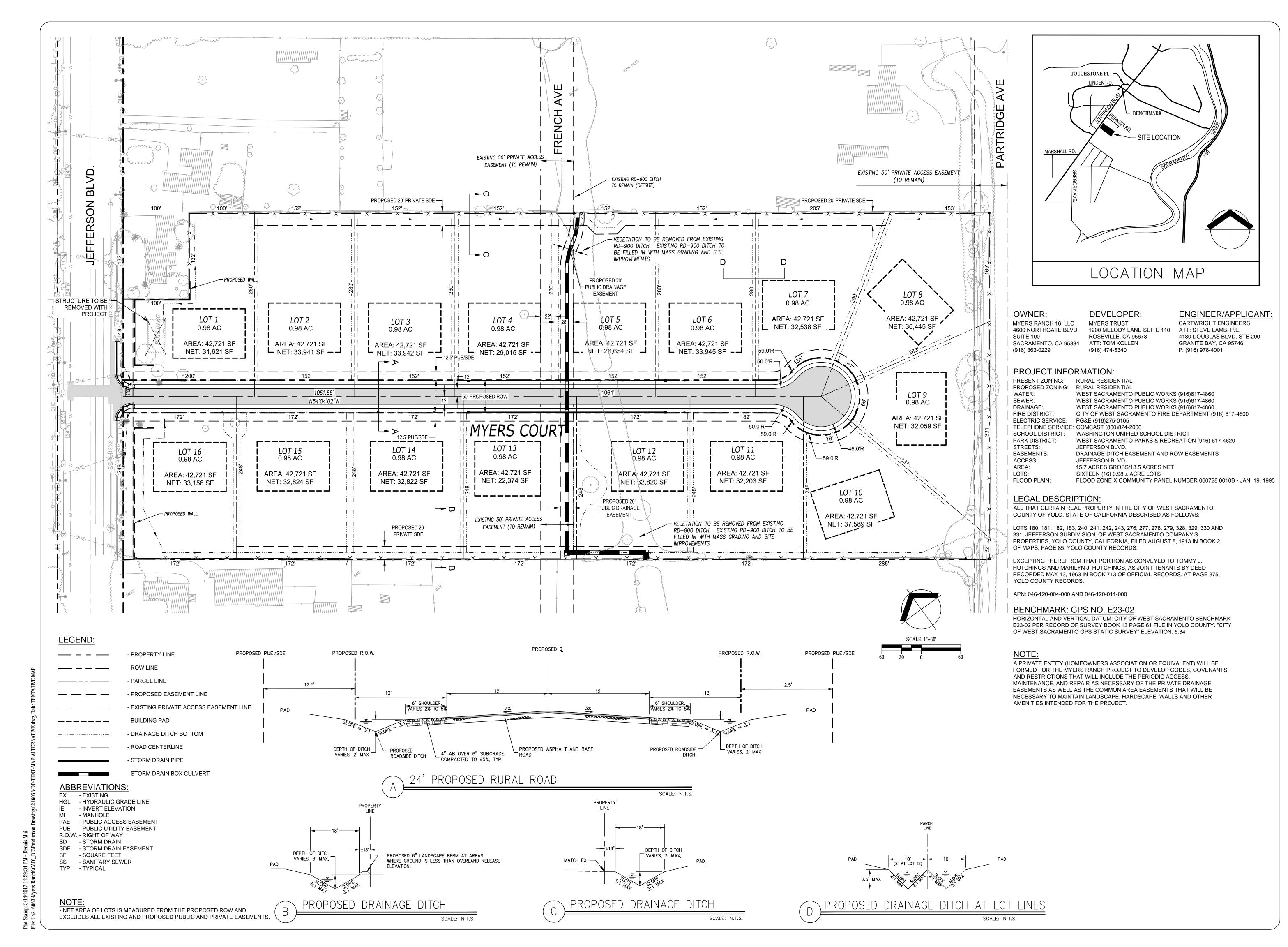
DESIGNED BY: SL

DRAWN BY: DM/WY

CHECKED BY: SL

TENTATIVE MAP

1 OF 5

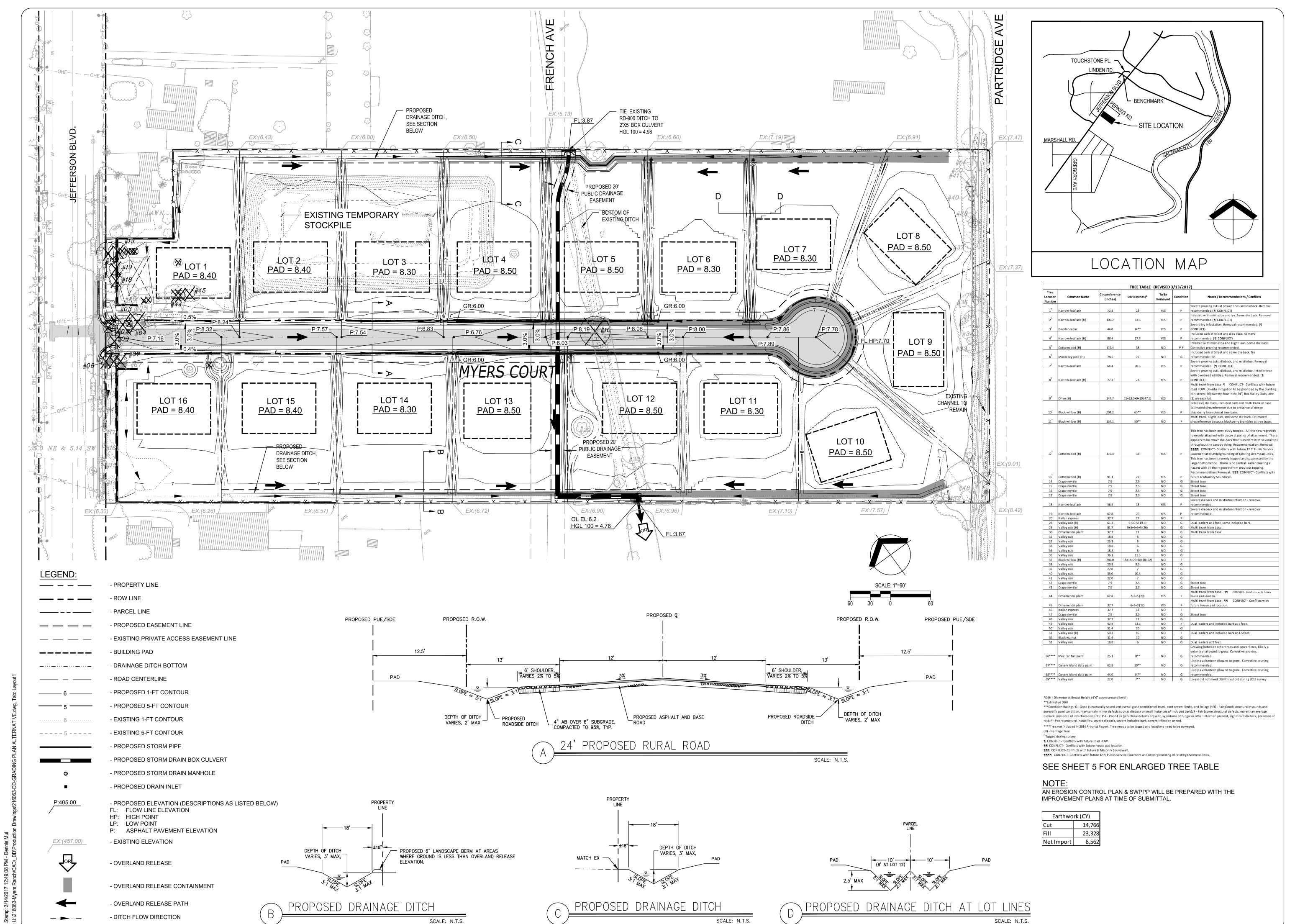


CALIFORI

SACRAMENTO,

RADING PLAN

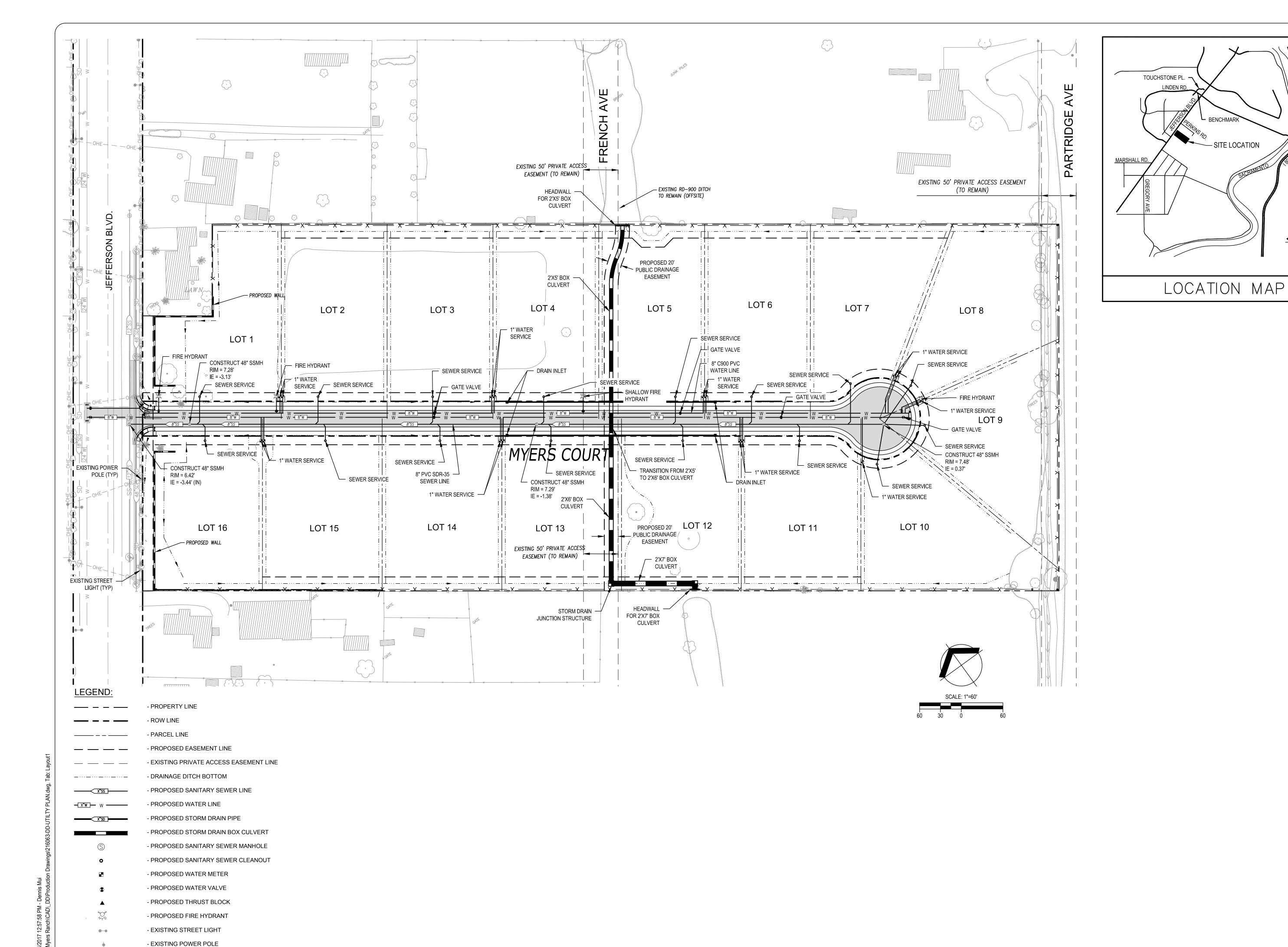
GRADING PLAN
2 OF 5



CALIFORNIA

PROJECT NO.: 03/13/2017

DATE: DESIGNED BY: DRAWN BY: CHECKED BY: UTILITY PLAN 3 OF 5



- PROPOSED STORM DRAIN MANHOLE

- PROPOSED DRAIN INLET

DM/WY

No. 76422

.∖ Exp. 12/31/18 /

PROJECT NO.: DATE: DESIGNED BY DRAWN BY: CHECKED BY:

TOUCHSTONE PI LOCATION MAP LEGEND: PROPERTY LINE - ROW LINE - PARCEL LINE PROPOSED EASEMENT LINE - EXISTING PRIVATE ACCESS EASEMENT LINE DRAINAGE DITCH BOTTOM - ROAD CENTERLINE - EXISTING 1-FT CONTOUR -EXISTING 5-FT CONTOUR -TREE REMOVAL **GENERAL NOTE:** AN EROSION CONTROL PLAN & SWPPP WILL BE PREPARED WITH THE IMPROVEMENT PLANS AT TIME OF SUBMITTAL. TREE TABLE (REVISED 3/13/2017) 1 Fraxinus angustifolia Narrow-leafash 72.3 23 40 35 YES NO 0 P recommended.(¶ CONFLICT)
Infested with mistletoe and ivy. Some die back. Removal 2 Fraxinus angustifolia Narrow-leaf ash (H) 105.2 33.5 50 45 YES YES 0 P recommended.(¶ CONFLICT)
Severe ivy infestation. Removal recommended. (¶ Fraxinus angustifolio Narrow-leaf ash (H) 86.4 27.5 40 40 YES VES 0 P recommended. (¶ CONFLICT) Populus fremontú Cottonwood (H) 119.4 38 60 45 NO YES 0 P-F Corrective pruning recommended.
Included bark at 5 feet and some die back. No Monterey pine (H) 78.5 25 30 30 NO YES 0 G recommendation.

Severe pruning cuts, dieback, and mistletoe. Removal Fraxinus angustifolia Narrow-leaf ash 64.4 20.5 25 20 YES NO 0 P recommended. (¶ CONFLICT)
Severe pruning cuts, dieback, and mistletoe. Interference | 147.7 | 15+13.5+9+10.{47.5} | 30 | 35 | YES | YES | 48 | G | (1) on each lot. | Extensive die back, included bark and multi trunk at base. Black willow (H) 157.1 50** 40 50 NO YES 0 F is weakly attached with decay at points of attachment. There appears to be crown die-back that is evident with several tips broughout the canopy dying. Recommendation: Removal. 9999 CONFLICT- Conflicts with future 12.5' Public Service larger Cottonwood. There is no central leader creating a hazard with all the regrowth from previous topping. Recommendation: Removal. ¶¶¶ CONFLICT- Conflicts with inture 6' Masonry Soundwall. Lagerstroemia sp. 18 Fraxinus angustifolia Narrow-leafash 56.5 18 30 30 YES NO recommended. Dual leaders at 1 foot, some included bark. Street tree
Multi trunk from base. 99 CONFLICT- Conflicts with future 44 Prunus sp. Ornamental plum 62.8 7+8+5 (20) 20 30 YES NO house pad location.

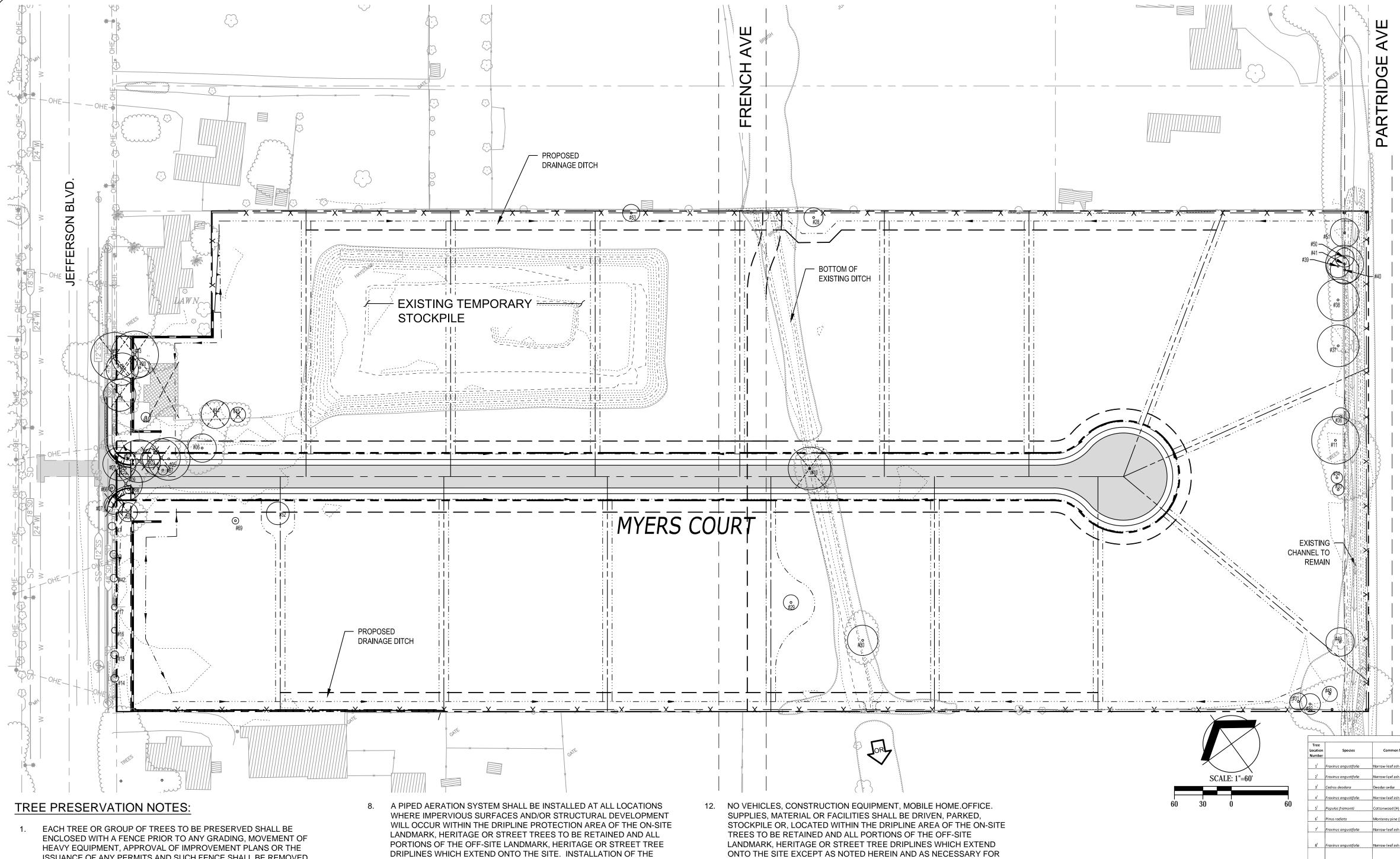
Multi trunk from base. ¶¶ CONFLICT- Conflicts with future house pad location. Dual leaders and included bark at 5 feet. Dual leaders and included bark at 4.5 feet. volunteer allowed to grow. Corrective pruning 67**** Phoenix canarilensis Canary Island date palm 62.8 20** 20 20 NO NO O G recommended.

Likely a volunteer allowed to grow. Corrective pruning *DBH - Diameter at Breast Height (4' 6" above ground level) *Condition Ratings: G - Good (structurally sound and overall good condition of trunk, root crown, limbs, and foliage); FG - Fair-Good (structurally sounds and generally good condition, may contain minor defects such as dieback or small instance of included bark); F-Fair (some structural defects, more than average dieback, presence of infection evident); P-F-Poor-Fair (structural defects present, sypmtoms of fungal or other infection present, significant dieback, presence of rot); P-Poor-Fair (structural defects present, sypmtoms of fungal or other infection present, significant dieback, presence of rot); P-Poor-Fair (structural defects present, sypmtoms of fungal or other infection present, significant dieback, presence of rot); P-Poor-Fair (structural defects present, sypmtoms of fungal or other infection present, significant dieback, presence of rot); P-Poor-Fair (structural defects present, sypmtoms of fungal or other infection present, significant dieback, presence of rot); P-Poor-Fair (structural defects present, sypmtoms of fungal or other infection present, significant dieback, presence of rot); P-Poor-Fair (structural defects present, symmoms of fungal or other infection present, symmoms or other infection present, symmoms or other infection present (structural instability, severe dieback, severe included bark, severe infection or rot). **Tree not included in 2014 Arborist Report. Tree needs to be tagged and locations need to be surveyed. ¶¶ CONFLICT- Conflicts with future house pad location.

(H) - Heritage Tree

Tagged during survey

SEE SHEET 5 FOR ENLARGED TREE TABLE



- ISSUANCE OF ANY PERMITS AND SUCH FENCE SHALL BE REMOVED FOLLOWING CONSTRUCTION BUT PRIOR TO INSTALLATION OF LANDSCAPING MATERIAL.
- FENCING SHALL BE LOCATED ONE FOOT OUTSIDE OF DRIPLINE OF THE TREE OR TREES AND SHALL BE A MINIMUM OF SIX FEET IN HEIGHT.
- SIGNS SHALL BE POSTED ON ALL SIDES OF FENCES SURROUNDING EACH TREE STATING THAT EACH TREE IS TO BE PRESERVED.
- 4. ANY AND ALL EXPOSED ROOTS SHALL BE COVERED WITH A PROTECTIVE MATERIAL DURING CONSTRUCTION.
- A PROGRAM FOR THE REPLACEMENT OF ANY TREES PROPOSED TO BE REMOVED. SAID PROGRAM SHALL BE IN CONFORMANCE WITH SECTION 8.24.084. (ORD. 04-01 § 3)
- A CIRCLE WITH A RADIUS MEASUREMENT FROM THE TRUNK OF THE TREE TO THE TIP OF ITS LONGEST LIMB SHALL CONSTITUTE THE DRIPLINE PROTECTION AREA (PROTECTED DRIPLINE) OF ALL LANDMARK, HERITAGE OR STREET TREES TO BE RETAINED AND ALL PORTIONS OF OFF-SITE LANDMARK, HERITAGE OR STREET TREE DRIPLINES WHICH EXTEND INTO THE SITE, AND SHALL NOT BE CUT BACK IN ORDER TO CHANGE THE DRIPLINE. REMOVING LIMBS WHICH MAKE UP THE DRIPLINES DOES NOT CHANGE THE PROTECTED ZONES.
- CHAIN LINK OR SIMILAR PROTECTIVE TEMPORARY BARRIER SHALL BE INSTALLED ONE (1) FOOT OUTSIDE THE DRIPLINE PROTECTION AREA OF THE ON-SITE LANDMARK, HERITAGE OR STREET TREES TO BE RETAINED AND ALL PORTIONS OF OFF-SITE LANDMARK, HERITAGE OR STREET TREE DRIPLINES WHICH EXTEND ONTO THE SITE, PRIOR TO INITIATING PROJECT CONSTRUCTION, IN ORDER TO AVOID DAMAGE TO THE TREES AND THEIR ROOT SYSTEMS. THE BARRIER AROUND THOSE LANDMARK, HERITAGE OR STREET TREE DRIPLINES WHICH ARE APPROVED FOR ENCROACHMENT INTO BY STRUCTURES, SITE IMPROVEMENTS AND/OR DRIVEWAYS CAN BE MOVED TO ALLOW CONSTRUCTION. THE NEW BARRIER LOCATIONS SHALL BE FOUR FEET OUTSIDE THE STRUCTURE WALL, AND/OR SITE IMPROVEMENT, AND/OR DRIVEWAY LOCATION AND/OR LIMIT OF GRADING.

- AERATION SYSTEM TO BE PERFORMED UNDER THE DIRECT SUPERVISION OF A CERTIFIED ARBORIST. IF, IN THE OPINION OF THE CERTIFIED ARBORIST, ENCROACHMENT INTO THE DRIPLINE PROTECTION AREA IS SEVERE, THEN THE AFFECTED TREE SHALL BE RETAINED ON SITE BUT DETERMINED LOST, AND SUBJECT TO MITIGATION AS REQUIRED BY THE APPROVING BODY.
- ALL DRIVEWAYS WHICH PASS THROUGH THE DRIPLINE PROTECTION AREA OF THE ON-SITE LANDMARK, HERITAGE OR STREET TREES TO BE RETAINED AND ALL PORTIONS OF OFF-SITE LANDMARK, HERITAGE OR STREET TREE DRIPLINES WHICH EXTEND ON THE SITE SHALL BE CONSTRUCTED SUCH THAT THE ENTIRE DRIVEWAY SECTION IS PLACED DIRECTLY ABOVE EXISTING GRADE, EXCEPT AS NOTED HEREIN. NO EXCAVATION FOR DRIVEWAY CONSTRUCTION SHALL BE ALLOWED WITHIN LANDMARK, HERITAGE OR STREET TREE DRIPLINE PROTECTION AREAS EXCEPT AS NOTED HEREIN AND APPROVED BY A CERTIFIED ARBORIST AND FOR MINOR EXCAVATION ASSOCIATED WITH THE INSTALLATION OF PIPED AERATION SYSTEMS.
- 10. ANY PRUNING OF A LANDMARK, HERITAGE OR STREET TREE SHALL BE SUPERVISED BY A CERTIFIED ARBORIST. BRANCH AND LIMB PRUNING SHALL BE LIMITED TO THAT WHICH HAS BEEN DEEMED NECESSARY BY A CERTIFIED ARBORIST IN ORDER TO CORRECT A SAFETY HAZARD, STRUCTURAL DEFECT, CROWN CLEANING OR ARBORIST RECOMMENDED PRUNING IN THE TREE. PRUNING DUE TO CANOPY ENCROACHMENT BY BUILDINGS SHALL BE LIMITED TO THE MINIMUM AMOUNT NEEDED TO SAFELY ACCOMMODATE THE STRUCTURE. ALL PRUNING AND DEADWOOD REMOVAL SHALL BE EXECUTED IN ACCORDANCE WITH AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) A300 PRUNING STANDARDS AND THE INTERNATIONAL SOCIETY OF ARBORICULTURE (ISA) "TREE PRUNING GUIDELINES". AN ISA CERTIFIED ARBORIST SHALL SUPERVISE ALL PRUNING.
- 11. NO SIGNS, ROPES, CABLES (OTHER THAN THOSE WHICH MAY BE RECOMMENDED BY A CERTIFIED ARBORIST TO PROVIDE LIMB SUPPORT OR TREE IDENTIFICATION) OR ANY OTHER ITEM SHALL BE ATTACHED TO THE ON-SITE LANDMARK, HERITAGE OR STREET TREES TO BE RETAINED AND ALL PORTIONS OF OFF-SITE LANDMARK, HERITAGE OR STREET TREE DRIPLINES WHICH EXTEND ONTO THE SITE.

- CONSTRUCTION ACTIVITIES IN APPROVED ENCROACHMENT AREAS ON THE FINAL DEVELOPMENT PLANS.
- 13. NO GRADING (GRADE CUT OR FILLS) SHALL BE ALLOWED WITHIN THE DRIPLINE PROTECTION AREA OF THE ON-SITE LANDMARK, HERITAGE OR STREET TREES TO BE RETAINED AND ALL PORTIONS OF OFF-SITE LANDMARK, HERITAGE OR STREET TREES WHICH EXTEND ONTO THE SITE WITH THE EXCEPTION OF APPROVED ENCROACHMENT AREAS ON THE FINAL DEVELOPMENT PLANS AS NOTED HEREIN. IF, IN THE OPINION OF THE CERTIFIED ARBORIST, PERMITTED GRADING IN THE DRIPLINE PROTECTION AREA IS SEVERE, THE AFFECTED TREE SHALL BE RETAINED ON-SITE BUT DETERMINED LOST, AD MITIGATION MEASURE AS REQUIRED BY THE APPROVING BODY SHALL BE IMPOSED.
- 14. NO TRENCHING SHALL BE ALLOWED WITHIN THE DRIPLINE PROTECTION AREA OF THE ON-SITE LANDMARK, HERITAGE OR STREET TREES TO BE RETAINED EXCEPT AS NOTED HEREIN AND ALL PORTIONS OF THE OFF-SITE LANDMARK, HERITAGE OR STREET TREE DRIPLINES WHICH EXTEND ONTO SITE EXCEPT AS NOTED HEREIN. IF IT IS ABSOLUTELY NECESSARY TO INSTALL UNDERGROUND UTILITIES WITHIN THE DRIPLINE OF THE TREE THE UTILITY LINE SHALL BE BORED OR DRILLED UNDER DIRECT SUPERVISION OF A CERTIFIED ARBORIST EXCEPT AS NOTED HEREIN.
- 15. LANDSCAPING BENEATH THE ON-SITE LANDMARK, HERITAGE OR STREET TREES TO BE RETAINED AND ALL PORTIONS OF OFF-SITE LANDMARK, HERITAGE OR STREET TREE DRIPLINES WHICH EXTEND ON THE SITE INCLUDE NON-PLANT MATERIALS SUCH AS RIVER GRAVEL, WOODCHIPS, ETC. THE ONLY PLANT SPECIES WHICH SHALL BE PLANTED WITHIN DRIPLINES OF LANDMARK, HERITAGE OR STREET TREES ARE THOSE WHICH ARE TOLERANT OF THE NATURAL SEMIARID ENVIRONS OF THE TREES. LIMITED DRIP IRRIGATION APPROXIMATELY MONTHLY DURING LATE SPRING, SUMMER AND EARLY FALL IS RECOMMENDED FOR UNDER STORY PLANTS.
- 16. NO GROUND SPRINKLER OR IRRIGATION SYSTEMS SHALL BE INSTALLED IN SUCH A MANNER THAT IRRIGATES THE GROUND WITHIN THE DRIPLINE PROTECTION AREA OF THE ON-SITE LANDMARK, HERITAGE OR STREET TREES TO BE RETAINED AND ALL PORTIONS OF OFF-SITE LANDMARK, HERITAGE OR STREET TREE DRIPLINES WHICH EXTEND ONTO THE SITE. AN "ABOVE GROUND DRIP IRRIGATION SYSTEM", DRIP LINES PLACED ON NATURAL GRADE AND ALL EMITTERS SHALL BE PLACED ON GRADE AND WILL BE PERMITTED UNDER LANDMARK, HERITAGE OR STREET TREE DRIPLINES. NO TRENCHING FOR IRRIGATION LINES WILL BE PERMITTED UNDER DRIPLINE PROTECTIONS AREAS.

TREE TABLE

Tu				IKEE	. IADLE (T	/13/2017 <u>)</u> 	T	BALLE	1	
Tree ocation lumber	Species	Common Name	Circumference (Inches)	DBH (Inches)*	Height (Feet)	Canopy Width (Feet)	To Be Removed	Heritage Tree	Mitigation Required (Inches)	Condition	Notes / Recommendations / Conflicts
1 ^T	Fraxinus angustifolia	Narrow-leaf ash	72.3	23	40	35	YES	NO	0	Р	Severe pruning cuts at power lines and dieback. Remova recommended. (¶ CONFLICT)
2 ^T	Fraxinus angustifolia	Narrow-leaf ash (H)	105.2	33.5	50	45	YES	YES	0	Р	Infested with mistletoe and ivy. Some die back. Remova recommended. (¶ CONFLICT)
3 ^T	Cedrus deodara	Deodar cedar	44.0	14**	55	20	YES	NO	0	Р	Severe ivy infestation. Removal recommended. (¶ CONFLICT)
4 ^T	Fraxinus angustifolia	Narrow-leaf ash (H)	86.4	27.5	40	40	YES	YES	0	Р	Included bark at 4 feet and dies back. Removal recommended. (¶ CONFLICT)
5 ^T	Populus fremontii	Cottonwood (H)	119.4	38	60	45	NO	YES	0	P-F	Infested with mistletoe and slight lean. Some die back. Corrective pruning recommended.
6 ^T	Pinus radiata	Monterey pine (H)	78.5	25	30	30	NO	YES	0	G	Included bark at 5 feet and some die back. No recommendation.
7 ^T	Fraxinus angustifolia	Narrow-leaf ash	64.4	20.5	25	20	YES	NO	0	Р	Severe pruning cuts, dieback, and mistletoe. Removal recommended. (¶ CONFLICT)
8 ^T	Fraxinus angustifolia	Narrow-leaf ash (H)	72.3	23	30	20	YES	NO	0	P	Severe pruning cuts, dieback, and mistletoe. Interferend with overhead utilities. Removal recommended. (¶ CONFLICT)
9 ^T	Olea europea	Olive (H)	147.7	15+13.5+9+10 (47.5)	30	35	YES	YES	48	G	Multi trunk from base. ¶ CONFLICT- Conflicts with fut road ROW. On-site mitigation to be provided by the plat of sixteen (16) twenty-four inch (24") Box Valley Oaks, c (1) on each lot. Extensive die back, included bark and multi trunk at bas
10 ^T	Salix gooddingii	Black willow (H)	204.2	65**	40	45	YES	YES	0	P	Estimated circumference due to presence of dense blackberry brambles at tree base. Multi trunk, slight lean, and some die back. Estimated
11 ^T	Salix gooddingii	Black willow (H)	157.1	50**	40	50	NO	YES	0	F	circumference because blackberry brambles at tree bas
12 ^T	Populus fremontii	Cottonwood (H)	119.4	38	50	30	YES	YES	0	P	This tree has been previously topped. All the new regree is weakly attached with decay at points of attachment. appears to be crown die-back that is evident with several throughout the canopy dying. Recommendation: Remove \$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
12 ^T	Danulus framantii	Cottonwood (H)	01.1	20	40	25	YES	YES	0	P	larger Cottonwood. There is no central leader creating hazard with all the regrowth from previous topping. Recommendation: Removal. ¶¶¶ CONFLICT- Conflicts
***************************************	Populus fremontii Lagerstroemia sp.	Crape myrtle	91.1 7.9	29 2.5	10	35 8	NO NO	NO NO	0	G	future 6' Masonry Soundwall. Street tree
	Lagerstroemia sp.	Crape myrtle	7.9	2.5	10	8	NO	NO	0	G	Street tree
	Lagerstroemia sp. Lagerstroemia sp.	Crape myrtle Crape myrtle	7.9 7.9	2.5 2.5	10 10	6	NO NO	NO NO	0 0	G G	Street tree Street tree
	Fraxinus angustifolia	Narrow-leaf ash	56.5	18	30	30	YES	NO	0	P	Severe dieback and mistletoe infection - removal recommended.
	Fraxinus angustifolia	Narrow-leaf ash	62.8	20	30	30	YES	NO	0	Р	Severe dieback and mistletoe infection - removal recommended.
20	Cupressus sempervirens	Italian cypress	37.7	12	20	20	NO	NO	0	F	
	Quercus lobata	Valley oak (H)	61.3	9+10.5 (19.5)	15	10	NO	NO	0	G	Dual leaders at 1 foot, some included bark.
	Quercus lobata	Valley oak (H)	81.7	5+5+6+5+5 (26)	20	20	NO	YES	0	G	Multi trunk from base.
	Prunus sp. Quercus lobata	Ornamental plum Valley oak	37.7 18.8	12 6	20 15	16 20	NO NO	NO NO	0	G G	Multi trunk from base.
32	Quercus lobata	Valley oak	25.1	8	15	20	NO	NO	0	G	
	Quercus lobata	Valley oak	18.8	6	15	12	NO	NO	0	G	
	Quercus lobata	Valley oak	18.8	6	15	15	NO	NO	0	G	
36	Quercus lobata	Valley oak	36.1	11.5	25	20	NO	NO	0	G	
	Salix gooddingii	Black willow (H)	289.0	18+18+20+18+18 (92)	50	45	NO	YES	0	F	
	Quercus lobata	Valley oak	29.8	9.5	30	30	NO	NO	0	G	
	Quercus lobata	Valley oak	22.0	7	15	20	NO	NO	0	G	
40 41	Quercus lobata Quercus lobata	Valley oak Valley oak	33.0 22.0	10.5 7	20 20	30 40	NO NO	NO NO	0	G G	
42	Lagerstroemia sp.	Crape myrtle	7.9	2.5	10	8	NO	NO	0	G	Street tree
43	Lagerstroemia sp.	Crape myrtle	7.9	2.5	10	8	NO	NO	0	G	Street tree Multi trunk from base. ¶¶ CONFLICT- Conflicts with fu
***************************************	Prunus sp.	Ornamental plum	62.8	7+8+5 (20)	20	30	YES	NO	0	F	house pad location. Multi trunk from base. ¶¶ CONFLICT- Conflicts wit
	Prunus sp.	Ornamental plum	37.7	6+3+3 (12)	15	15	YES	NO	0	F	future house pad location.
46	Cupressus sempervirens	Italian cypress	37.7	12	15	10	NO	NO NO	0	F	Chu, adding a
47 48	Lagerstroemia sp. Quercus lobata	Crape myrtle	7.9 37.7	2.5 12	10 20	8 40	NO NO	NO NO	0	G G	Street tree
	Quercus Iobata Quercus Iobata	Valley oak Valley oak	42.4	13.5	20 25	30	NO NO	NO NO	0	F	Dual leaders and included bark at 5 feet.
50	Quercus lobata	Valley oak	31.4	10	25	20	NO	NO	0	G	Page 12 and microsed back at 3 leet.
	Quercus lobata	Valley oak (H)	50.3	16	20	30	NO	YES	0	F	Dual leaders and included bark at 4.5 feet.
52	Juglans hindsii	Black walnut	31.4	10	20	25	NO	NO NO	0	G	
	Quercus lobata	Valley oak	18.8	6	15	20	NO	NO	0	G	Dual leaders at 9 feet Growing between other trees and power lines, Likely volunteer allowed to grow. Corrective pruning
		Mexican fan palm	25.1	8**	15	8	NO	NO	0	G	recommended.
	Washingtonia robusta		1		il	ı		I	1	1	Likely a volunteer allowed to grow. Corrective pruning
6**** 7***	Phoenix canariensis	Canary Island date palm	62.8	20**	20	20	NO	NO	0	G	recommended. Likely a volunteer allowed to grow. Corrective pruning
6**** 7**** 8***		Canary Island date palm Canary Island date palm Valley oak	62.8 44.0 22.0	20** 14** 7**	20 10 20	20 15 10	NO NO NO	NO NO NO	0 0	G G	recommended.

*DBH - Diameter at Breast Height (4' 6" above ground level) **Estimated DBH

***Condition Ratings: G - Good (structurally sound and overall good condition of trunk, root crown, limbs, and foliage); FG - Fair-Good (structurally sounds and generally good condition, may contain minor defects such as dieback or small instances of included bark); F - Fair (some structural defects, more than average dieback, presence of infection evident); P-F - Poor-Fair (structural defects present, sypmtoms of fungal or other infection present, significant dieback, presence of rot); P - Poor-Fair (structural defects present, sypmtoms of fungal or other infection present, significant dieback, presence of rot); P - Poor-Fair (structural defects present, sypmtoms of fungal or other infection present, significant dieback, presence of rot); P - Poor-Fair (structural defects present, sypmtoms of fungal or other infection present, significant dieback, presence of rot); P - Poor-Fair (structural defects present, sypmtoms of fungal or other infection present, significant dieback, presence of rot); P - Poor-Fair (structural defects present); P - Poor-F (structural instability, severe dieback, severe included bark, severe infection or rot).

****Tree not included in 2014 Arborist Report. Tree needs to be tagged and locations need to be surveyed.

(H) - Heritage Tree

^T Tagged during survey ¶ CONFLICT- Conflicts with future road ROW.

¶¶ CONFLICT- Conflicts with future house pad location.

¶¶¶ CONFLICT- Conflicts with future 6' Masonry Soundwall.

¶¶¶¶ CONFLICT- Conflicts with future 12.5' Publis Service Easement and undergrounding of Existing Overhead lines.