ARCHITECTURE AND SITE REVIEW

SURREY FARMS - LOT 10 (S-24-032)

A RESIDENTIAL DEVELOPMENT

TABLE OF CONTENTS

PLANNING/CIVIL ENGINEERING		ARCHITECTURE		LANDSCAPE	
1.0	TITLE SHEET	G0	TITLE PAGE/PROJECT INFO	T-1	TREE MITIGATION AND PROTECTION PLAN
2.0	EXISTING CONDITIONS	G1.0	EXISTING SITE PHOTOS	T-2	TREE EVALUATION TABLE
2.1	OVERALL SITE PLAN	A1.1	SITE PLAN & GROUND FLOOR PLAN	T-3	TREE EVALUATION TABLE
2.2	SITE PLAN	A1.2	FLOOR PLANS	T-4	TREE APPRAISAL TABLE
2.3	SITE PLAN EXISTING TREE TABLE	A1.3	FLOOR PLANS	T-5	TREE APPRAISAL TABLE
3.0	PRELIMINARY GRADING & DRAINAGE PLAN	A2.1	ELEVATIONS/ COLOR & MATERIALS	T-6	TREE NOTES AND TREE PROTECTION
3.1	PRELIMINARY GRADING SECTIONS	A2.2	ELEVATIONS/COLOR & MATERIALS		FENCING DETAIL
4.0	UTILITY PLAN	A3.0	BUILDING SECTIONS	10.0	LANDSCAPE PLAN
5.0	STORMWATER CONTROL PLAN	A3.1	STREET ELEVATIONS/SITE SECTIONS	10.1	PLANTING LEGEND AND NOTES
5.1	STORMWATER CONTROL HYDROMODIFICATION AND DETAILS	A4.1	SHADOW ANALYSIS	10.2	LANDSCAPE DETAILS
6.0	EROSION CONTROL PLAN			10.3	HYDROZONE PLAN
6.1	EROSION CONTROL PLAN			10.4	IRRIGATION DETAILS
6.2	EROSION CONTROL DETAILS			10.5	CONCEPT IMAGERY
6.3	EROSION CONTROL DETAILS			P1	CONCEPTUAL LIGHTING PLAN
6.4	BASMAA				
7.0	FIRE ACCESS PLAN				
7.1	FIRE ACCESS PLAN				
7.2	FIRE TRUCK TURNAROUND				
7.3	FIRE AMMR				

6

PROJECT DATA

Lot 10 (S24-032) - APN 532-16-006, 178 Twin Oaks Drive			
	Existing	Proposed	Required
General Plan Designation	Agriculture	Agriculture	Agriculture
Zoning	RC	RC	RC
Use	Vacant Williamson Act	Single Family Residence	
Housing Unit Affordability	N/A	Market	
Gross Lot Size	N/A	238899 SF	20 acre minimum
Average Slope	29.36%	29.85%	
Reduction Factor	N/A	58.08%	
Net Lot Size	N/A	100165	
Lot Frontage	N/A	158'	N/A
Lot Depth	N/A	504'	N/A
Height	N/A	27'6"	25' max per HDS&G, 18' max for visible homes.
Gross Floor Area			
Countable Attic	N/A	N/A	
Second Floor	N/A	3571	
First Floor	N/A	2585	
Accessory Buildings	N/A	N/A	
Total Countable SF	N/A	6531 (including 375 sf of countable garage)	6300 sf max allowed incl. garage
Garage	N/A	775	
Below Grade SF (exempt)	N/A	N/A	Exempt
ADU	N/A	N/A	1200 SF
Lot Coverage	N/A	1.5%	N/A
Setbacks			
Front	N/A	77.92'	30'
Side	N/A	32.04'	20'
Side	N/A	345.6'	20'
Rear	N/A	116.4'	25'
Parking	N/A	2 spaces garage	2 spaces, 4 on-site guest parking

*Reduction Factor based on existing average slope

NOTE: AN APPROVED AMMR/PRC 4290 REQUEST OF EXCEPTION IN INCLUDED AND A MODIFIED SPRINKLER SYSTEM WILL BE INSTALLED. 6

PROJECT DESCRIPTION

ARCHITECTURE & SITE REVIEW FOR A FOR-SALE, MARKET RATE SINGLE FAMILY HOUSE (6BD/7BA) ON THE 5.48-ACRE PROPOSED LOT 10 (S-24-032) OF SUBDIVISION APPLICATION M-24-013.

DEVELOPMENT TEAM

GOVERNMENT AGENCIES:
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OWNER:
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CONTACT: JIM FOLEY
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San Jose, CA 95131 HMHca.com

SURREY FARM ESTATES
LOT 10 (S-24-032)
178 TWIN OAKS DRIVE
ARCHITECTURE & SITE REVIEW

NO	DATE	DESCRIPTION
6	10/24/2025	PER CITY COMMENTS
5	9/15/2025	PER CITY COMMENTS
4	7/25/2025	PER CITY COMMENTS
3	4/18/2025	PER CITY COMMENTS
2	3/31/2025	PER CITY COMMENTS

PROJECT NO:	4185.10
CAD DWG FILE:	418510TS_LOT 10.DWG
DESIGNED BY:	DM
DRAWN BY:	DM
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DATE:	MAY 31ST, 2024
SCALE:	NOT TO SCALE

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TITLE SHEET

1.0

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EXHIBIT 25

LEGEND

	EXISTING
PROJECT BOUNDARY	
LOT LINE	
EASEMENT	
CURB AND GUTTER	
STORM DRAIN PIPE	SD(E) SD(E)
SANITARY SEWER PIPE	SS(E) SS(E)
WATER PIPE	W(E) W(E)
FENCE	
DRAINAGE ARROW	
TREE AND DRIPLINE	
ELECTROLIER	
COMMUNICATIONS MANHOLE	
STORM DRAIN MANHOLE	
SANITARY SEWER MANHOLE	
FIRE HYDRANT	
PULL BOX/METER/VAULT	
SIGN	
LANDSLIDE HAZARD ZONE	
WETLAND AREA	
RIPARIAN AREA	

ABBREVIATIONS

CL	CENTER LINE
EG	EXISTING GROUND
ESMT	EASEMENT
EX/(E)	EXISTING
PSE	PUBLIC SERVICE EASEMENT
PUE	PUBLIC UTILITY EASEMENT
R/W	RIGHT OF WAY
SCVWD	SANTA CLARA VALLEY WATER DISTRICT
SD	STORM DRAIN
SDE	STORM DRAIN EASEMENT
SS	SANITARY SEWER
SSE	SANITARY SEWER EASEMENT
TYP	TYPICAL
W	WATER

0 20 40 80

1 INCH = 40 FEET

TRACT 7613
LANDS OF HOEPPNER

CERRA VISTA COURT

6

26' ACCESS EASEMENT (E)
DOC 25880870

S77°35'36"E 490.11'

CL 10' PEDESTRIAN EQUESTRIAN TRAIL EASEMENT (E)
564-M-10

TRACT 7613

ROAD ESMT (E)
311 OR 381

N04°42'35"E 276.94'

TRACT 7613

LANDS OF TFR MANAGEMENT GROUP INC.

S08°53'24"W 732.10'

APPROXIMATE 10' RIPARIAN SETBACK (TYP)

APPROXIMATE RIPARIAN LIMIT

TRACT 7613

LANDS OF WU

N35°09'14"W 675.43'

LANDS OF BREWICK

RACT 5579
OF DUGGINS

TRACT 5579
LANDS OF SAYRE

TRACT 5579
LANDS OF BERTOLOTTI

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SCALE:	1" = 40'

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EXISTING CONDITIONS

2.0

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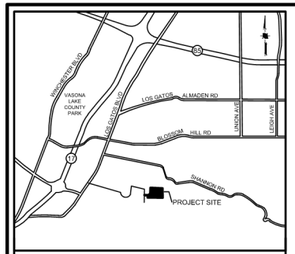

VICINITY MAP
NOT TO SCALE

COVENANTS SHALL BE REQUIRED FOR MAINTENANCE OF THE PRIVATE ROAD BINDING EACH LOT OWNER AND ALL SUBSEQUENT LOT OWNERS, SUCH THAT BY ACCEPTANCE OF A DEED OR OTHER CONVEYANCE, IS DEEMED TO COVENANT AND AGREE THAT IF AT ANY TIME THE TOWN OF LOS GATOS CONCLUDES THAT MAINTENANCE OF THE ROADWAY INCLUDED IN THE COMMON PROPERTY IS NECESSARY AND HAS NOT BEEN DONE BY THE ASSOCIATION, THE TOWN OF LOS GATOS MAY PERFORM SUCH MAINTENANCE AS AGENT FOR THE ASSOCIATION, AND THE TOWN OF LOS GATOS WILL CHARGE THE ASSOCIATION FOR THE COST OF ANY SUCH MAINTENANCE, WHICH CHARGE SHALL BE AN OBLIGATION OF THE ASSOCIATION. SUCH REIMBURSEMENT SHALL BE A COST SUBJECT TO ASSESSMENT, AND THERE SHALL BE A LIEN ON THE PROPERTY, WHICH MAY BE PLACED ON THE TAX BILL AND COLLECTED AS ORDINARY TAXES BY THE TOWN.

0 25 50 100
1 INCH = 50 FEET

LEGEND

- PROJECT BOUNDARY
- LOT LINE (EXISTING)
- LOT LINE (PROPOSED)
- EASEMENT (EXISTING)
- EASMENT (PROPOSED)
- RIPARIAN AREA
- BIORETENTION AREA
- WETLAND AREA
- STORMDRAIN CULVERT STRUCTURE

ABBREVIATIONS

(E)	EXISTING
(P)	PROPOSED
ESMT	EASEMENT
SSE	SANITARY SEWER EASEMENT (PUBLIC)
SDE	STORM DRAIN EASEMENT (PUBLIC)
EAE	EMERGENCY ACCESS EASEMENT
PSDE	PRIVATE STORM DRAIN EASEMENT
PSE	PUBLIC SERVICE EASEMENT
PAE	PEDESTRIAN ACCESS EASEMENT
PUE	PUBLIC UTILITY EASEMENT

CERRO VISTA COURT
TWIN OAKS DRIVE
SURREY FARMS HILL (P)
EAST ROSS CREEK IN EX 36-INCH RCP

532-11-011 LANDS OF HILLBROOK SCHOOLS EXISTING SCHOOL
537-30-010 LANDS OF LIU EXISTING RESIDENTIAL
532-16-008 LANDS OF MELEYCO EXISTING RESIDENTIAL
532-16-007 LANDS OF FORDYCE EXISTING RESIDENTIAL
532-16-003 LANDS OF WITKEN EXISTING RESIDENTIAL
532-16-002 LANDS OF WITKIN EXISTING RESIDENTIAL
532-16-005 LANDS OF DODGE EXISTING RESIDENTIAL
532-18-034 LANDS OF DUGGINS EXISTING RESIDENTIAL
532-18-038 LANDS OF INO EXISTING RESIDENTIAL
532-18-039 LANDS OF BERTOLOTTI EXISTING RESIDENTIAL
537-30-007 LANDS OF TFR MANAGEMENT GROUP INC EXISTING RESIDENTIAL
537-30-006 LANDS OF URALSKY EXISTING RESIDENTIAL
537-30-013 LANDS OF SMITH EXISTING RESIDENTIAL

EXISTING WETLAND AREA TO REMAIN
EXCLUSION FENCE
EXISTING ROCK WALL TO REMAIN
EXISTING STORMDRAIN CULVERT STRUCTURE
25' RIPARIAN SETBACK
10' BUFFER FROM TREE CANOPY (TYP.)
APPROXIMATE RIPARIAN LIMIT (TYP.)
REQUIRED YARD (TYP) - SEE INDIVIDUAL PACKAGES
26.0' ACCESS EASEMENT (E) RECORDED DOCUMENT 25880870
ROAD ESMT (E) 311 OR 381
VALLEY WATER'S 110' FLOODPLAIN EASEMENT
20' EAE, IEE, PSDRE, PWE, PRUE, PSSE (P)
20' ST-219 DWY
PSDE (P)
5' JTE (P)
10' PSDE (P)
10' SSE (P)
20' PSDE(P)
11' PUE (P)
5' SDE (P)
4' PAE (P)
20' EAE (P)
15' SDE (E)
10' SSE (E)
LOT 2 S-24-024
LOT 3 S-24-025
LOT 4 S-24-026
LOT 5 S-24-027
LOT 6 S-24-028
LOT 7 S-24-029
LOT 8 S-24-030
LOT 9 S-24-031
LOT 10 S-24-032
LOT 11 S-24-033
LOT 12 S-24-059
LOT 1 S-24-023

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OVERALL SITE PLAN

2.1

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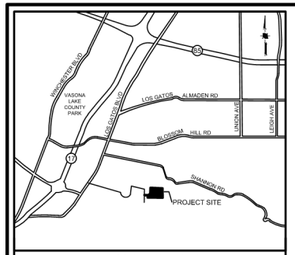


VICINITY MAP
NOT TO SCALE

LEGEND

- PROJECT BOUNDARY
- LOT LINE (EXISTING)
- LOT LINE (PROPOSED)
- EASEMENT (EXISTING)
- EASMENT (PROPOSED)
- YARD (REQUIRED)
- RIPARIAN AREA
- BIORETENTION AREA
- WETLAND AREA
- AREA GREATER THAN 30% SLOPE
- LANDSLIDE HAZARD AREA
- EXISTING TREE

ABBREVIATIONS

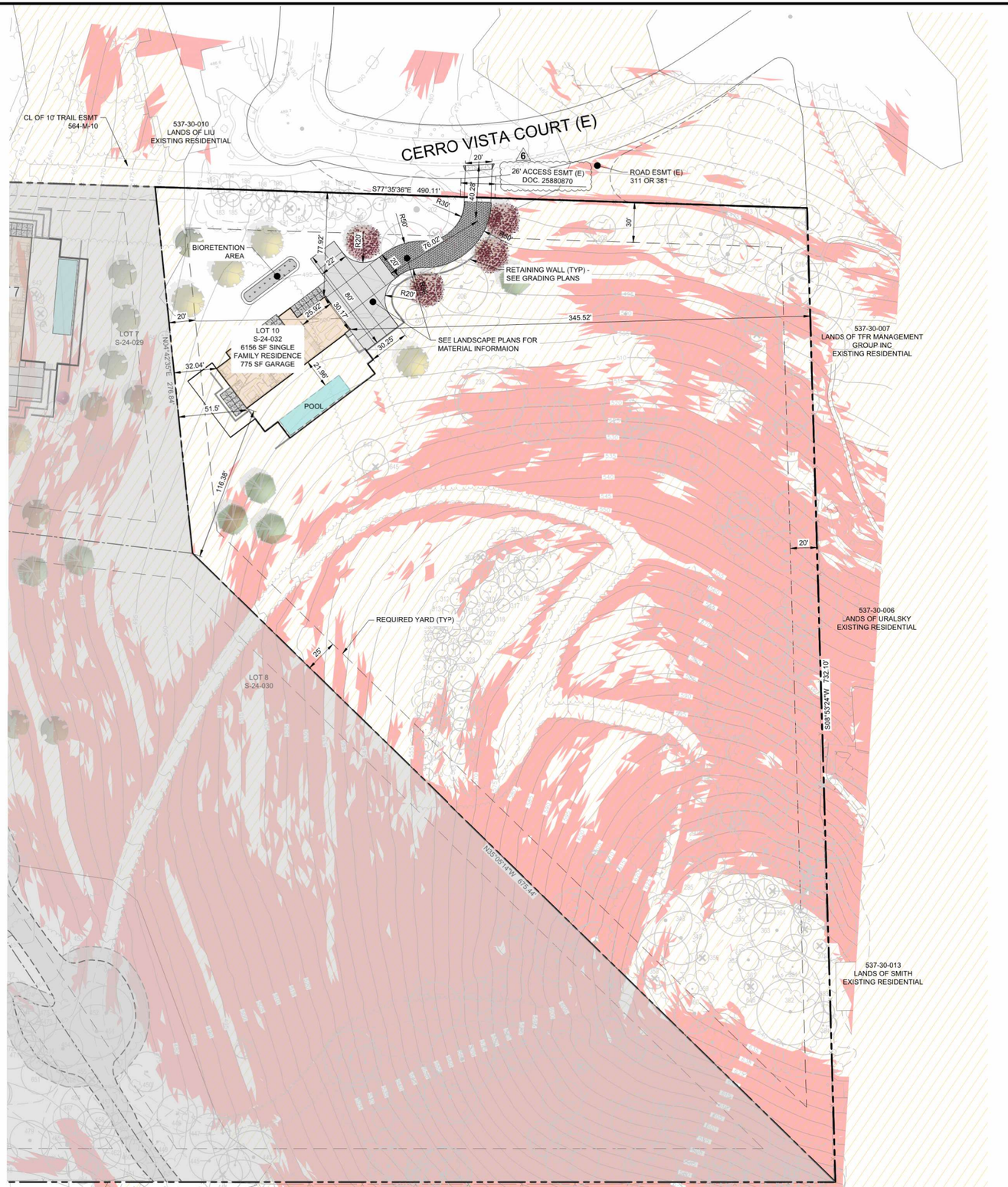
(E)	EXISTING
(P)	PROPOSED
ESMT	EASEMENT
SSE	SANITARY SEWER EASEMENT (PUBLIC)
SDE	STORM DRAIN EASEMENT (PUBLIC)
EAE	EMERGENCY ACCESS EASEMENT
PSDE	PRIVATE STORM DRAIN EASEMENT
PSE	PUBLIC SERVICE EASEMENT
PAE	PEDESTRIAN ACCESS EASEMENT
PUE	PUBLIC UTILITY EASEMENT

0 20 40 80

1 INCH = 40 FEET

LOT AREA	238899 SF/ 5.48 ACRES
EXISTING CONTOUR LENGTHS	70002.8
CONTOUR INTERVALS	1'
EXISTING AVERAGE SLOPE	29.36%
PROPOSED CONTOUR LENGTHS	71182.29
CONTOUR INTERVALS	1'
PROPOSED AVERAGE SLOPE	29.85%

NOTE: SEE SHEET 2.3 FOR SITE PLAN EXISTING TREE TABLE



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SITE PLAN

2.2

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TREE #	Botanical Name	Common Name	DBH (Inches)	Height (FT)	Canopy Size (FT)	Protected Tree	Large Protected Tree	Health Rating	Preservation Suitability	Remove?	Notes
182	Pinus brutia var. eldarica	Afghan Pine	9.0	24	10	X		2	MODERATE	SAVE	Severe Decline
183	Pinus brutia var. eldarica	Afghan Pine	11.0	22	7	X		3	MODERATE	SAVE	Severe Decline
184	Pinus brutia var. eldarica	Afghan Pine	14.0	28	13	X		2	MODERATE	SAVE	Dead Wood
185	Pinus brutia var. eldarica	Afghan Pine	6.0	22	6	X		3	MODERATE	SAVE	Severe Decline
186	Pinus brutia var. eldarica	Afghan Pine	7.0	25	8	X		2	MODERATE	SAVE	Severe Decline
187	Pinus brutia var. eldarica	Afghan Pine	11.0	25	12	X		4	HIGH	SAVE	Poor Tree Structure
188	Pinus brutia var. eldarica	Afghan Pine	11.0	26	8	X		3	MODERATE	SAVE	Severe Decline
189	Pinus brutia var. eldarica	Afghan Pine	10.0	32	10	X		4	HIGH	SAVE	
190	Pinus brutia var. eldarica	Afghan Pine	11.0	25	13	X		3	MODERATE	REMOVE	Severe Decline
191	Pinus brutia var. eldarica	Afghan Pine	4.0	6	4	X		2	MODERATE	REMOVE	Severe Decline
192	Pinus brutia var. eldarica	Afghan Pine	18.0	35	18	X		4	HIGH	SAVE	
193	Pinus brutia var. eldarica	Afghan Pine	5.0	23	10	X		4	HIGH	SAVE	
194	Calocedrus decurrens	Incense Cedar	8.0	23	10	X		4	HIGH	SAVE	
195	Pinus brutia var. eldarica	Afghan Pine	13.0	27	18	X		4	HIGH	SAVE	
196	Calocedrus decurrens	Incense Cedar	8.0	24	10	X		5	HIGH	SAVE	
197	Calocedrus decurrens	Incense Cedar	6.0	15	8	X		2	LOW	SAVE	
199	Pinus brutia var. eldarica	Afghan Pine	11.0	30	17	X		4	HIGH	SAVE	
200	Pinus brutia var. eldarica	Afghan Pine	12.0	31	10	X		4	HIGH	SAVE	
202	Quercus lobata	Valley Oak	60.0	43	46	X		4	MODERATE	SAVE	
203	Quercus lobata	Valley Oak	17.0	26	35	X		3	MODERATE	REMOVE	
204	Quercus lobata	Valley Oak	10.0	19	10	X		4	MODERATE	REMOVE	
205	Quercus lobata	Valley Oak	7.0	23	12	X		2	LOW	REMOVE	Severe Decline
206	Quercus lobata	Valley Oak	21.0	30	37	X		3	MODERATE	SAVE	Dead Wood
207	Quercus agrifolia	Coast Live Oak	9.0	16	13	X		5	HIGH	SAVE	
208	Quercus lobata	Valley Oak	11.0	24	18	X		3	MODERATE	SAVE	
209	Quercus agrifolia	Coast Live Oak	28.0	41	43		X	4	HIGH	SAVE	
210	Quercus lobata	Valley Oak	18.0	34	20	X		2	LOW	SAVE	Severe Decline
211	Quercus lobata	Valley Oak	32.0	47	30		X	3	MODERATE	SAVE	
212	Olea europaea	Olive	10.0	27	26	X		3	MODERATE	SAVE	
213	Olea europaea	Olive	12.0	34	21	X		3	MODERATE	SAVE	Previous Limb Failure
214	Quercus lobata	Valley Oak	11.0	28	10	X		2	LOW	SAVE	Severe Decline
215	Olea europaea	Olive	9.0	32	20	X		4	MODERATE	SAVE	
216	Quercus agrifolia	Coast Live Oak	20.0	22	24	X		3	HIGH	SAVE	
217	Quercus lobata	Valley Oak	35.0	38	36		X	4	HIGH	SAVE	
218	Olea europaea	Olive	5.0	16	22	X		3	MODERATE	SAVE	
219	Quercus lobata	Valley Oak	9.0	20	16	X		2	LOW	SAVE	Severe Decline
220	Quercus lobata	Valley Oak	9.0	10	1	X		1	LOW	REMOVE	Dead
221	Quercus lobata	Valley Oak	13.0	23	13	X		2	LOW	SAVE	Severe Decline
222	Quercus lobata	Valley Oak	19.0	32	27	X		3	MODERATE	SAVE	
223	Quercus lobata	Valley Oak	23.0	32	35	X		4	MODERATE	SAVE	
224	Quercus lobata	Valley Oak	10.0	18	12	X		2	LOW	SAVE	Severe Decline
225	Quercus lobata	Valley Oak	11.0	21	20	X		2	LOW	SAVE	Severe Decline
226	Quercus lobata	Valley Oak	13.0	24	16	X		3	MODERATE	SAVE	Severe Decline
227	Quercus lobata	Valley Oak	28.0	37	36		X	4	HIGH	SAVE	
228	Quercus lobata	Valley Oak	17.5	20	13	X		3	MODERATE	SAVE	Poor Tree Structure
229	Quercus lobata	Valley Oak	24.0	33	26		X	3	MODERATE	SAVE	Dead Wood
230	Quercus lobata	Valley Oak	14.5	20	18	X		3	MODERATE	SAVE	Poor Tree Structure
231	Quercus lobata	Valley Oak	13.5	21	16	X		3	MODERATE	SAVE	Severe Decline
232	Quercus lobata	Valley Oak	25.5	35	40		X	4	MODERATE	SAVE	
233	Quercus lobata	Valley Oak	17.0	28	18	X		3	MODERATE	SAVE	
234	Quercus agrifolia	Coast Live Oak	17.5	28	26	X		4	HIGH	SAVE	
235	Quercus lobata	Valley Oak	18.5	35	26	X		3	MODERATE	SAVE	Dead Wood
236	Quercus lobata	Valley Oak	23.5	34	28	X		3	MODERATE	SAVE	Dead Wood
237	Quercus agrifolia	Coast Live Oak	34.0	30	47		X	4	HIGH	SAVE	Crowded Growing Conditions
238	Quercus lobata	Valley Oak	35.0	40	33		X	3	MODERATE	SAVE	Leaning Tree
239	Quercus lobata	Valley Oak	25.0	35	32		X	4	MODERATE	SAVE	
240	Quercus lobata	Valley Oak	18.0	35	24	X		4	MODERATE	SAVE	
241	Quercus lobata	Valley Oak	34.0	35	25		X	4	MODERATE	SAVE	
242	Quercus lobata	Valley Oak	15.0	30	23	X		4	HIGH	SAVE	
243	Quercus lobata	Valley Oak	14.0	25	15	X		3	MODERATE	SAVE	
244	Quercus lobata	Valley Oak	20.5	28	22	X		3	MODERATE	SAVE	
245	Quercus lobata	Valley Oak	11.0	15	12	X		4	MODERATE	SAVE	
246	Quercus lobata	Valley Oak	19.0	31	28	X		4	MODERATE	SAVE	
247	Quercus lobata	Valley Oak	22.0	32	27	X		4	MODERATE	SAVE	
248	Olea europaea	Olive	17.0	28	32	X		3	MODERATE	SAVE	Dead Limbs
249	Quercus lobata	Valley Oak	30.0	30	30		X	2	LOW	SAVE	Severe Decline
250	Olea europaea	Olive	7.0	27	20	X		4	MODERATE	SAVE	
251	Olea europaea	Olive	10.0	25	30	X		3	MODERATE	SAVE	Future Root Problems
252	Olea europaea	Olive	8.0	16	18	X		4	MODERATE	SAVE	Dead Wood
253	Olea europaea	Olive	18.0	24	40	X		4	HIGH	SAVE	
254	Olea europaea	Olive	14.0	24	34	X		4	HIGH	SAVE	
255	Quercus lobata	Valley Oak	17.0	34	22	X		4	MODERATE	SAVE	
256	Quercus lobata	Valley Oak	19.0	27	18	X		3	MODERATE	SAVE	Dead Wood
257	Quercus lobata	Valley Oak	12.0	26	15	X		3	MODERATE	SAVE	Severe Decline
258	Quercus lobata	Valley Oak	14.0	33	20	X		3	MODERATE	SAVE	Dead Wood
259	Quercus lobata	Valley Oak	12.0	28	15	X		3	MODERATE	SAVE	Poor Tree Structure
260	Quercus lobata	Valley Oak	25.0	32	27		X	4	MODERATE	SAVE	Poor Tree Structure
261	Quercus lobata	Valley Oak	17.0	25	26	X		2	LOW	SAVE	Severe Decline
262	Quercus lobata	Valley Oak	23.0	33	36	X		3	MODERATE	SAVE	
263	Quercus lobata	Valley Oak	34.0	36	30		X	2	LOW	SAVE	Severe Decline
264	Quercus lobata	Valley Oak	15.0	33	20	X		4	MODERATE	SAVE	Dead Wood
265	Quercus lobata	Valley Oak	11.0	29	17	X		3	MODERATE	SAVE	Dead Limbs
266	Quercus agrifolia	Coast Live Oak	17.0	36	27	X		4	HIGH	SAVE	
267	Quercus lobata	Valley Oak	25.0	28	15		X	3	MODERATE	SAVE	Dead Wood
268	Quercus lobata	Valley Oak	13.0	27	22	X		3	MODERATE	SAVE	Dead Wood
269	Quercus lobata	Valley Oak	13.0	28	15	X		3	MODERATE	SAVE	
270	Quercus lobata	Valley Oak	17.0	31	26	X		3	MODERATE	SAVE	
271	Quercus lobata	Valley Oak	16.0	31	20	X		3	MODERATE	SAVE	Dead Wood
272	Quercus lobata	Valley Oak	12.0	28	15	X		3	MODERATE	SAVE	Severe Decline
273	Quercus lobata	Valley Oak	14.0	31	22	X		4	MODERATE	SAVE	
274	Quercus lobata	Valley Oak	9.0	33	20	X		4	MODERATE	SAVE	
275	Quercus lobata	Valley Oak	17.0	32	26	X		4	HIGH	SAVE	
276	Quercus lobata	Valley Oak	14.0	31	22	X		4	MODERATE	SAVE	
277	Quercus lobata	Valley Oak	12.0	22	1	X		1	LOW	REMOVE	Dead
279	Quercus lobata	Valley Oak	11.0	25	13	X		3	MODERATE	SAVE	Dead Wood
280	Quercus lobata	Valley Oak	8.0	24	13	X		4	MODERATE	SAVE	
281	Umbellularia californica	California Bay	8.0	31	24	X		5	HIGH	SAVE	
282	Quercus lobata	Valley Oak	11.0	33	12	X		3	MODERATE	SAVE	Severe Decline
283	Quercus lobata	Valley Oak	13.0	36	18	X		4	MODERATE	SAVE	
284	Quercus lobata	Valley Oak	14.0	34	21	X		3	MODERATE	SAVE	
285	Quercus lobata	Valley Oak	16.0	34	8	X		2	LOW	SAVE	Severe Decline
286	Quercus lobata	Valley Oak	16.0	38	12	X		2	LOW	SAVE	Severe Decline
287	Quercus lobata	Valley Oak	9.0	28	17	X		2	LOW	SAVE	Leaning Tree
288	Quercus lobata	Valley Oak	14.0	27	20	X		2	LOW	SAVE	Severe Decline
289	Quercus lobata	Valley Oak	22.0	35	30	X		4	HIGH	SAVE	
290	Pinus halepensis	Afghan Pine	7.0	25	15	X		5	HIGH	SAVE	
291	Pinus halepensis	Afghan Pine	4.0	25	5	X		3	HIGH	SAVE	
292	Pinus halepensis	Afghan Pine	10.0	30	17	X		4	HIGH	SAVE	

TREE #	Botanical Name	Common Name	DBH (Inches)	Height (FT)	Canopy Size (FT)	Protected Tree	Large Protected Tree	Health Rating	Preservation Suitability	Remove?	Notes
293	Quercus lobata	Valley Oak	10.0	20	17	X		1	LOW	REMOVE	Dead
294	Pinus halepensis	Afghan Pine	8.0	25	18	X		4	HIGH	SAVE	
295	Quercus lobata	Valley Oak	20.0	26	27	X		3	MODERATE	SAVE	Severe Decline
296	Quercus lobata	Valley Oak	12.0	28	13	X		4	MODERATE	SAVE	
297	Pinus halepensis	Afghan Pine	14.0	35	24	X		4	HIGH	SAVE	
298	Pinus halepensis	Afghan Pine	13.0	32	20	X		4	HIGH	SAVE	
299	Quercus lobata	Valley Oak	19.0	35	28	X		4	HIGH	SAVE	
301	Calocedrus decurrens	Incense Cedar	10.0	23	12	X		5	HIGH	SAVE	
302	Calocedrus decurrens	Incense Cedar	7.0	17	8	X		4	HIGH	SAVE	
303	Calocedrus decurrens	Incense Cedar	7.0	17	6	X		1	LOW	REMOVE	Dead
304	Calocedrus decurrens	Incense Cedar	15.0	21	12	X		4	HIGH	SAVE	
305	Calocedrus decurrens	Incense Cedar	7.0	15	10	X		3	MODERATE	SAVE	Severe Decline
306	Calocedrus decurrens	Incense Cedar	7.0	15	10	X		3	MODERATE	SAVE	Dead Wood
307	Calocedrus decurrens	Incense Cedar	7.0	10	5	X		2	LOW	SAVE	Severe Decline
308	Pinus brutia var. eldarica	Afghan Pine	11.0	30	18	X		3	HIGH	SAVE	Dead Wood
309	Pinus brutia var. eldarica	Afghan Pine	12.0	30	12	X		3	HIGH	SAVE	Dead Wood
310	Calocedrus decurrens	Incense Cedar	8.0	18	12	X		3	MODERATE	SAVE	Severe Decline
311	Calocedrus decurrens	Incense Cedar	8.0	15	10	X		3	MODERATE	SAVE	Severe Decline
312	Calocedrus decurrens	Incense Cedar	5.0	18	8	X		4	HIGH	SAVE	
313	Calocedrus decurrens	Incense Cedar	6.0	7	6	X		2	LOW	SAVE	Severe Decline
314	Calocedrus decurrens	Incense Cedar	5.0	8	7	X		3	MODERATE	SAVE	Poor Tree Structure
315	Calocedrus decurrens	Incense Cedar	6.0	10	6	X		2	LOW	SAVE	Severe Decline
316	Pinus brutia var. eldarica	Afghan Pine	10.0	28	8	X		2	MODERATE	SAVE	Severe Decline
317	Pinus brutia var. eldarica	Afghan Pine	11.0	31	10	X		3	MODERATE	SAVE	Dead Wood
318	Pinus brutia var. eldarica	Afghan Pine	10.0	29	7	X		3	MODERATE	SAVE	Poor Tree Structure
319	Calocedrus decurrens	Incense Cedar	5.0	10	6	X		2	LOW	SAVE	Severe Decline
320	Calocedrus decurrens	Incense Cedar	6.0	18	6	X		3	MODERATE	SAVE	
321	Calocedrus decurrens	Incense Cedar	5.0	8	5	X		3	MODERATE	SAVE	Severe Decline
322	Calocedrus decurrens	Incense Cedar	8.0	10	6	X		3	MODERATE	SAVE	
323	Calocedrus decurrens	Incense Cedar	7.0	12	5	X		2	LOW	SAVE	Severe Decline
324	Calocedrus decurrens	Incense Cedar	8.0	10	8	X		4	MODERATE	SAVE	
325	Calocedrus decurrens	Incense Cedar	7.0	8	7	X		3	MODERATE	SAVE	Poor Tree Structure
326	Calocedrus decurrens	Incense Cedar	9.0	16	9	X		3	MODERATE	SAVE	Poor Tree Structure
327	Pinus brutia var. eldarica	Afghan Pine	11.0	31	10	X		3	HIGH	SAVE	Dead Wood
328	Pinus brutia var. eldarica	Afghan Pine	11.0	28	15	X		3	HIGH	SAVE	Dead Wood
329	Calocedrus decurrens	Incense Cedar	5.0	10	8	X		4	MODERATE	SAVE	
330	Calocedrus decurrens	Incense Cedar	7.0	10	8	X		3	MODERATE	SAVE	
331	Calocedrus decurrens	Incense Cedar	6.0	18	8	X		4	HIGH	SAVE	
332	Pinus brutia var. eldarica	Afghan Pine	13.0	28	20	X		4	HIGH	SAVE	
333	Calocedrus decurrens	Incense Cedar	7.0	12	8	X		4	HIGH	SAVE	
334	Calocedrus decurrens	Incense Cedar	13.0	26	12	X		3	MODERATE	SAVE	
335	Calocedrus decurrens	Incense Cedar	5.0	8	7	X		3	MODERATE	SAVE	Severe Decline
336	Calocedrus decurrens	Incense Cedar	6.0	8	4	X		2	LOW	SAVE	Root Impact
337	Pinus brutia var. eldarica	Afghan Pine	12.0	28	14	X		3	HIGH	SAVE	
338	Pinus brutia var. eldarica	Afghan Pine	15.0	30	20	X		4	HIGH	SAVE	Dead Wood
339	Calocedrus decurrens	Incense Cedar	3.0	10	4	EXEMPT		3	MODERATE	SAVE	
340	Calocedrus decurrens	Incense Cedar	4.0	15	5	X		3	MODERATE	SAVE	
341	Pinus brutia var. eldarica	Afghan Pine	8.0	25	8	X		3	MODERATE	SAVE	Severe Decline
342	Pinus brutia var. eldarica	Afghan Pine	14.0	27	12	X		3	HIGH	SAVE	Poor Tree Structure
343	Pinus brutia var. eldarica	Afghan Pine	15.0	28	15	X		3	HIGH	SAVE	
344	Calocedrus decurrens	Incense Cedar	6.0	15	5	X		2	LOW	SAVE	Severe Decline
345	Calocedrus decurrens	Incense Cedar	6.0	10	5	X		4	MODERATE	SAVE	Leaning Tree
347	Quercus lobata	Valley Oak	21.0	40	27	X		4	MODERATE	SAVE	Dead Wood
348	Quercus douglasii	Blue Oak	24.0	43	40		X	4	HIGH	SAVE	
349	Quercus douglasii	Blue Oak	23.0	36	35	X		4	HIGH	SAVE	
350	Quercus lobata	Valley Oak	11.0	25	18	X		3	MODERATE	SAVE	Dead Wood
351	Olea europaea	Olive	14.0	30	45	X		4	MODERATE	SAVE	
352	Quercus douglasii	Blue Oak	5.0	25	12	X		2	MODERATE	SAVE	Severe Decline
353	Quercus lobata	Valley Oak	14.0	20	6	X		1	LOW	REMOVE	Dead
354	Quercus lobata	Valley Oak	10.0	23	18	X		3	MODERATE	SAVE	
355	Quercus lobata	Valley Oak	20.0	28	33	X		3	MODERATE	SAVE	
356	Snag	Snag	9.0	22	1	X		1		REMOVE	Dead
357	Quercus douglasii	Blue Oak	24.0	43	35		X	3	HIGH	SAVE	
358	Quercus lobata	Valley Oak	8.0	15	11	X		1	LOW	REMOVE	Dead
359	Quercus lobata	Valley Oak	12.0	25	10	X		2	LOW	SAVE	Severe Decline
360	Quercus lobata	Valley Oak	25.0	38	25		X	3	MODERATE	SAVE	Dead Limbs
361	Quercus lobata	Valley Oak	18.0	23	1	X		1	LOW	REMOVE	Dead
362	Quercus lobata	Valley Oak	19.0	30	16	X		3	MODERATE	SAVE	Poor Tree Architecture
363	Quercus agrifolia	Coast Live Oak	21.0	32	36	X		4	HIGH	SAVE	
364	Quercus lobata	Valley Oak	13.0	31	15	X		3	MODERATE	SAVE	
366	Quercus lobata	Valley Oak	9.0	15	27	X		4	MODERATE	SAVE	Excessive Limb Weight
367	Quercus lobata	Valley Oak	16.0	46	16	X		4	MODERATE	SAVE	Dead Limbs
368	Quercus lobata	Valley Oak	17.0	32	26	X		4	MODERATE	SAVE	Dead Wood
369	Quercus agrifolia	Coast Live Oak	19.0	32	28	X		4	HIGH	SAVE	
370	Snag	Snag	7.0	5	1	X		1		REMOVE	Dead
371	Quercus lobata	Valley Oak	15.0	50	15	X		4	HIGH	SAVE	
372	Quercus lobata	Valley Oak	8.0	43	15	X		3	MODERATE	SAVE	Dead Wood
373	Snag	Snag	8.0	22	1	X		1		REMOVE	Dead
374	Olea europaea	Olive	18.0	38	23	X		4	HIGH	SAVE	
375	Quercus lobata	Valley Oak	18.0	26	28	X		3	MODERATE	SAVE	Dead Wood
376	Quercus agrifolia	Coast Live Oak	20.0	22	1	X		1	MODERATE	REMOVE	Dead
377	Quercus agrifolia	Coast Live Oak	30.0	35	45		X	4	HIGH	SAVE	
378	Quercus lobata	Valley Oak	9.0	22	1	X		1	LOW	REMOVE	Dead
379	Quercus agrifolia	Coast Live Oak	10.0	14	10	X		1	MODERATE	REMOVE	Dead
380	Pinus halepensis	Afghan Pine	13.0	34	18	X		4	HIGH	SAVE	
381	Quercus lobata	Valley Oak	9.0	25	23	X		3	MODERATE	SAVE	Dead Wood
382	Quercus douglasii	Blue Oak	23.0	36	50	X		4	HIGH	SAVE	
383	Pinus halepensis	Afghan Pine	5.0	21	12	X		4	HIGH	SAVE	Co-Dominant Lead
384	Pinus halepensis	Afghan Pine	11.0	10	20	X		4	HIGH	SAVE	
385	Quercus agrifolia	Coast Live Oak	22.0	26	36	X		2	HIGH	SAVE	Severe Decline
644	Quercus agrifolia	Coast Live Oak	14.0	15	22	X		5	HIGH	SAVE	
645	Prunus domestica	Plum	5.0	16	20	X		1	LOW	REMOVE	Dead
646	Quercus agrifolia	Coast Live Oak	8.0	15	20	X		5	HIGH	SAVE	
652	Quercus lobata	Valley Oak	15.0	26	15	X		3	MODERATE	SAVE	
675	Quercus agrifolia	Coast Live Oak	30.0	32	50		X	4	HIGH	SAVE	Leaning Tree

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San Jose, CA 95131 HMHca.com

SURREY FARM ESTATES
LOT 10 (S-24-032)
178 TWIN OAKS DRIVE
ARCHITECTURE & SITE REVIEW

NO	DATE	DESCRIPTION
5	9/15/2025	PER CITY COMMENTS
4	7/25/2025	PER CITY COMMENTS
3	4/18/2025	PER CITY COMMENTS
2	3/31/2025	PER CITY COMMENTS
1	1/8/2025	PER CITY COMMENTS

PROJECT NO:	4185.10
CAD DWG FILE:	418510SP_LOT 10.DWG
DESIGNED BY:	DM
DRAWN BY:	DM
CHECKED BY:	DM
DATE:	MAY 31ST, 2024
SCALE:	AS SHOWN

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SITE PLAN EXISTING TREE TABLE

2.3

S:\PROJECTS\4185\10\PLP\PERMIT\LOT 10\PERMIT\4185105P_LOT 10.DWG

PLOTTED: 9/16/2025 3:35 PM

	EARTHWORK (CY)		MAX CUT/FILL DEPTH (FT)		ALLOWABLE MAX CUT/FILL DEPTH (FT)		CY	
SITE ELEMENT	CUT	FILL	CUT	FILL	CUT	FILL	IMPORT	EXPORT
DRIVEWAY/PARKING	385	39	2.0	2.0	4	3	0	346
HOUSE FOOTPRINT	378	4	8.9	4.5	8	3	0	374
PORCH/PATIO	106	78	2.4	0	4	3	0	28
GARAGE	127	0	6.9	0	4	3	0	127
MISC HARDSCAPE	12	0	6.0	0	4	3	0	12
LANDSCAPE	625	5	2.8	2.9	-	-	0	620
SWIMMING POOL	330	0	11.5	0			0	330
TOTAL	1963	126	-	-	-	-	0	1837

NOTE: AREA OF DISTURBANCE = 22,260 SF

NOTE: LOT 10 RECORDED ACCESS EASEMENT (E) DOCUMENT NUMBER: 25880870

0 5 10 20

1 INCH = 10 FEET

LOT 7
(S-24-025)

PROPERTY LINE (E)

LIMIT OF GRADING /CONFORM

LOT LINE (P)

BIO RETENTION AREA
TOP = 493.0
BOTTOM = 492.3
AREA = 363 SF

24" DEEPENED FOOTING AT BUILDING

CONCRETE AUTO COURT. FIRE TURN TRUCK COMPLIANT

LOT 10
FF 496.6
PAD 495.6

GRADE BREAK

20' DRIVEWAY

15% MAX

CERRO VISTA COURT

DRIVEWAY PER TOWN OF LOS GATOS STD PLAN NO. ST-219

20' DRIVEWAY

LIMIT OF GRADING/ CONFORM

5' MAX RETAINING WALL

PROPOSED WALL SUBDRAIN

PROPOSED WALL WEEPHOLE

PERVIOUS PAVERS

PROPOSED WALL

LIMIT OF GRADING /CONFORM

PROPOSED WALL WEEPHOLE

LIMIT OF GRADING/ CONFORM

LEGEND

- PROJECT BOUNDARY
- LOT LINE
- PROPERTY LINE (EXISTING)
- EASEMENT
- CURB AND GUTTER
- STORM DRAIN PIPE
- RETAINING WALL WITH SUBDRAIN AND WEEPHOLES. SEE DETAIL THIS SHEET
- STORM DRAIN PIPE (EXISTING)
- FENCE
- PERCENT AND DIRECTION OF SURFACE FLOW DRAINAGE
- DRAINAGE ARROW
- OVERLAND RELEASE
- CONTOUR
- CONTOUR (EXISTING)
- LID TREATMENT AREA
- STORM DRAIN MANHOLE
- STORM DRAIN CATCH BASIN
- STORM DRAIN INLET
- STORM DRAIN CLEANOUT
- BUBBLER BOX
- AREA DRAIN
- STORM DRAIN MANHOLE (EXISTING)
- STORM DRAIN CATCH BASIN (EXISTING)

ABBREVIATIONS

BW	BOTTOM OF WALL
EG	EXISTING GROUND
ESMT	EASEMENT
EX/(E)	EXISTING
FF	FINISHED FLOOR
FG	FINISHED GRADE
FS	FINISHED SURFACE
GS	GARAGE SLAB
MAX	MAXIMUM
℄ / PL	PROPERTY LINE
(P)	PROPOSED
PSE	PUBLIC SERVICE EASEMENT
PUE	PUBLIC UTILITY EASEMENT
R/W	RIGHT OF WAY
SCVWD	SANTA CLARA VALLEY WATER DISTRICT
SD	STORM DRAIN
SDE	STORM DRAIN EASEMENT
SS	SANITARY SEWER
SSE	SANITARY SEWER EASEMENT
STD	STANDARD
TC	TOP OF CURB
TW	TOP OF WALL
TYP	TYPICAL

1. 4"Ø PERFORATED SUBDRAIN
2. DRAINROCK
3. 2"Ø WEEPHOLES

TW (TOP OF WALL)
12"
SEE GRADING PLAN
FG (FINISH GRADE)
TOP OF FTG.

NOTES:
1. SEE DETAIL ON SHEET 10.10 FOR ADDITIONAL INFORMATION

TYP CMU RETAINING WALL DRAINAGE
SCALE: N.T.S.

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SURREY FARM ESTATES
LOT 10 (S-24-032)
178 TWIN OAKS DRIVE
ARCHITECTURE & SITE REVIEW

NO	DATE	DESCRIPTION
6	10/24/2025	PER CITY COMMENTS
5	9/15/2025	PER CITY COMMENTS
4	7/25/2025	PER CITY COMMENTS
3	4/18/2025	PER CITY COMMENTS
2	3/31/2025	PER CITY COMMENTS

PROJECT NO:	4185.10
CAD DWG FILE:	418510GP_LOT 10.DWG
DESIGNED BY:	RH
DRAWN BY:	NW
CHECKED BY:	RH
DATE:	MAY 31ST, 2024
SCALE:	1" = 10'

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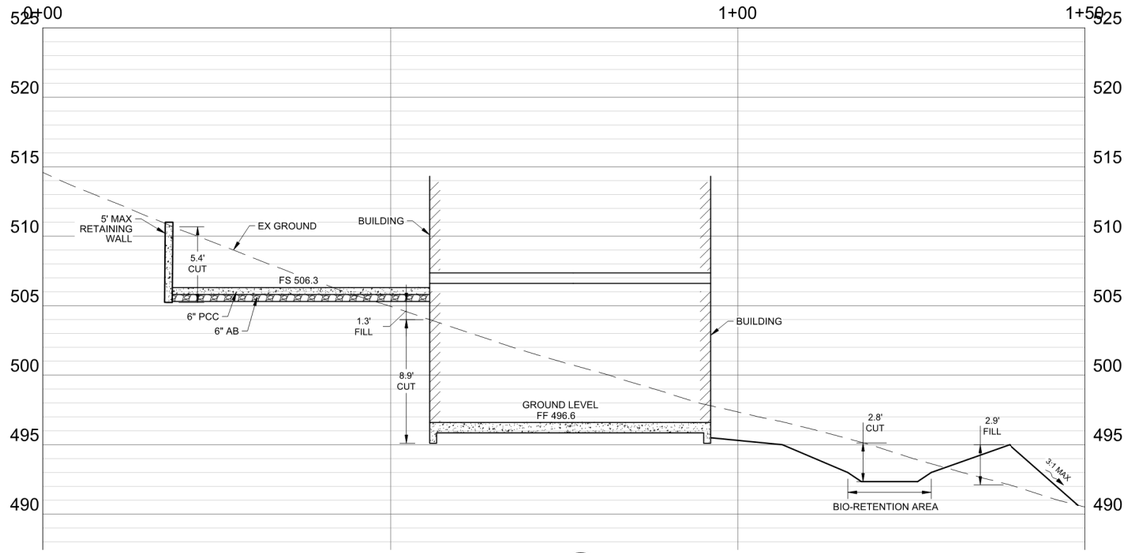
PRELIMINARY GRADING AND DRAINAGE PLAN

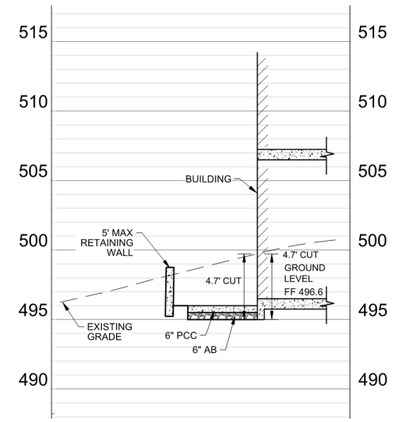
3.0

S:\PROJECTS\418510\PLI\PERMIT\LOT 10\PERMIT\418510GP_LOT 10.DWG

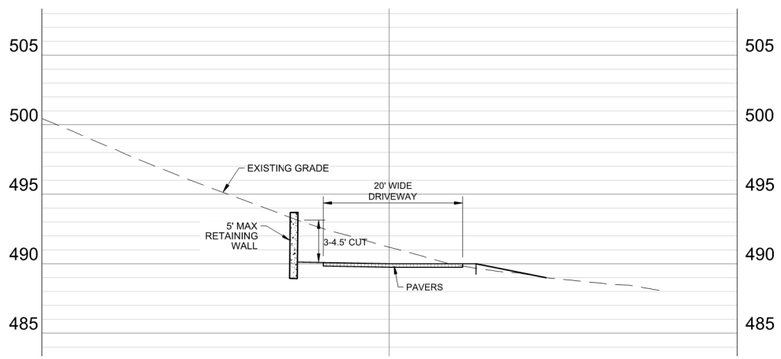
PLOTTED: 10/24/2025 8:51 AM



A SECTION
SCALE: 1" = 10' H , 1" = 5' V



B SECTION
SCALE: 1" = 10' H , 1" = 5' V



C SECTION
SCALE: 1" = 10' H , 1" = 5' V

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178 TWIN OAKS DRIVE
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2	3/31/2025	PER CITY COMMENTS
1	1/8/2025	PER CITY COMMENTS

PROJECT NO:	4185.10
CAD DWG FILE:	418510GP_LOT 10.DWG
DESIGNED BY:	RH
DRAWN BY:	NW
CHECKED BY:	RH
DATE:	MAY 31ST, 2024
SCALE:	AS SHOWN

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PRELIMINARY GRADING SECTIONS

3.1

S:\PROJECTS\4185\10\PLI\PERMIT\LOT 10\PERMIT\418510GP_LOT 10.DWG
PLOTTED: 9/15/2025 4:18 PM

SDMH
RIM 482.9
INV 479.0 ~ 12" IN
INV 478.0 ~ 15" OUT

LOT LINE (P)

641

EX. SSMH
RIM 488.8
INV 477.8± (R) ~ EX. 6" OUT

EX. ROAD EASEMENT

PROPERTY LINE (E)

CERRA VISTA COURT

SSMH
RIM 475.9±
INV 471.1 ~ 4" IN (LOT 10)
INV 464.9± (R) ~ EX. 6" THRU

CONNECT TO EX. 6"W MAIN

60' ~ 4" SS @ S=0.013

WATER METER (LOT 10)

SSCO
INV 486.5 ~ 4" THRU

SSCO
INV 478.9 ~ 4" THRU

SDDI
RIM 492.8
INV 489.8 ~ 4" IN
INV 489.8 ~ 4" IN
INV 488.8 ~ 12" OUT

SDCO
INV 489.9 ~ 4" OUT

SDCO
INV 489.9 ~ 4" OUT

BUBBLER
RIM 493.1
INV 491.8 ~ 6" IN

15' ~ 6" SD
@ S=0.010

PROPOSED HYDROMOD/C3 BASIN

SDCO
ROOF DRAIN CONNECTION
INV 492.5

SDCO
ROOF DRAIN CONNECTION
INV 492.3

60' ~ 6" SD @ S=0.010

40' ~ 6" SD @ S=0.010

TEE CONNECTION
INV 491.9

PROPOSED WALL WEEPHOLE

SSCO
INV 493.1 ~ 4" OUT

52' ~ 4" SS @ S=0.013

PROPOSED JT

LOT 10
(S-24-032)

SDCO
ROOF DRAIN CONNECTION
INV 492.8

SDCO
ROOF DRAIN CONNECTION
INV 493.8

PROPOSED WALL SUBDRAIN

TEE CONNECTION
INV 492.9

98' ~ 6" SD @ S=0.010

9' ~ 4" SD
@ S=0.005

41' ~ 4" SD @ S=0.005

41' ~ 4" SD @ S=0.005

SDAD
RIM 502.6
INV 429.4 ~ 4" OUT

SDAD
RIM 502.6
INV 492.3 ~ 4" THRU

SDAD
RIM 502.6
INV 492.1 ~ 4" THRU

PROPOSED WALL WEEPHOLE

PROPOSED WALL SUBDRAIN

0 5 10 20
1 INCH = 10 FEET

LEGEND

	PROPOSED	EXISTING
PROJECT BOUNDARY		
PROPERTY LINE		
RIGHT OF WAY		
EASEMENT		
CURB AND GUTTER		
CENTERLINE		
SANITARY SEWER	SS	SS(E)
SANITARY SEWER MANHOLE		
SANITARY LATERAL		
SANITARY SEWER CLEAN OUT		
STORM DRAIN LINE	SD	SD(E)
STORM DRAIN PERFORATED LINE		
STORM DRAIN MANHOLE		
STORM DRAIN CLEAN OUT		
STORM DRAIN CURB INLET		
STORM DRAIN FIELD INLET (2X2)		
STORM DRAIN JUNCTION BOX (2X2) W/ BOLTED DOWN SOLID COVER		
RETAINING WALL WITH SUBDRAIN AND WEEPHOLES. SEE DETAIL ON GRADING PLAN		
TREE		

SHOWN FOR INFORMATION ONLY. DESIGNED BY OTHERS

WATER MAIN	W	W(E)
WATER SERVICE AND METER	W	
FIRE HYDRANTS		
JOINT TRENCH	JT	

ABBREVIATIONS

CI	CURB INLET
ESMT	EASEMENT
EX/(E)	EXISTING
FH	FIRE HYDRANT
INV	INVERT
IRR	IRRIGATION
JT	JOINT TRENCH
℄ / PL	PROPERTY LINE
(P)	PROPOSED
PUE	PUBLIC UTILITY EASEMENT
R/W	RIGHT OF WAY
SD	STORM DRAIN
SDCI	STORM DRAIN CURB INLET
SDDI	STORM DRAIN DRAINAGE INLET
SDFI	STORM DRAIN FIELD INLET
SDJB	STORM DRAIN JUNCTION BOX
SDMH	STORM DRAIN MANHOLE
SS	SANITARY SEWER
SSCO	SANITARY SEWER CLEANOUT
SSMH	SANITARY SEWER MANHOLE
STD	STANDARD
W	WATER
WM	WATER METER
WV	WATER VALVE

UTILITY PROVIDERS:

STORM DRAIN	TOWN OF LOS GATOS
SANITARY SEWER	WEST VALLEY SANITARY DISTRICT
WATER	SAN JOSE WATER CO.
GAS/ELECTRIC	PG&E

6 NOTE: LOT 10 RECORDED ACCESS EASEMENT (E) DOCUMENT NUMBER: 25880870

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SURREY FARM ESTATES
LOT 10 (S-24-032)
178 TWIN OAKS DRIVE
ARCHITECTURE & SITE REVIEW

NO	DATE	DESCRIPTION
6	10/24/2025	PER CITY COMMENTS
5	9/15/2025	PER CITY COMMENTS
4	7/25/2025	PER CITY COMMENTS
3	4/18/2025	PER CITY COMMENTS
2	3/31/2025	PER CITY COMMENTS

PROJECT NO:	4185.10
CAD DWG FILE:	418510UT_LOT 10.DWG
DESIGNED BY:	RH
DRAWN BY:	NW
CHECKED BY:	RH
DATE:	MAY 31ST, 2024
SCALE:	1" = 10'

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UTILITY PLAN

4.0

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LEGEND

- PROJECT BOUNDARY
- LOT LINE
- EASEMENT
- STORM DRAIN PIPE — SD
- STORM DRAIN PIPE (EXISTING) — SD(E)
- STORM DRAIN MANHOLE
- STORM DRAIN MANHOLE (EXISTING)
- CURB INLET
- STORM DRAIN INLET
- STORM DRAIN INLET (EXISTING)
- STORM DRAIN CLEANOUT AT DOWNSPOUT
- BUBBLER BOX
- DIRECTION OF SURFACE DRAINAGE
- DRAINAGE MANAGEMENT AREA — DMA#
- BIORETENTION AREA
- PERVIOUS PAVERS
- RIPARIAN

NOTE: LOT 10 RECORDED ACCESS EASEMENT (E) DOCUMENT NUMBER: 25880870 6

HYDROMODIFICATION NOTE:

1. REFER TO THE "SUMMARY OF BAHM MODELING FOR THE SURREY FARM PROJECT" REPORT FOR HYDROMODIFICATION AND STORMWATER TREATMENT DESIGN ASSUMPTIONS AND SUMMARY OF RESULTS.

2. Project Size

a. Total Site Area: 765,552 (ft²)		b. Total Land Area Disturbed During Construction: 242,482 (ft²) (including clearing, grading, stockpiling, or excavating)			
Project Totals	**Total Existing (Pre-project) Area (ft²)**	**Existing Area Retained[1] (ft²)**	**Existing Area Replaced[2] (ft²)**	**New Area Created[2] (ft²)**	**Total Post-Project Area (ft²)**
Impervious Area (IA)					
c. Total on-site IA	0	0	0	96,692	96,692
d. Total off-site IA[3]	694		694	0	694
e. Total project IA	694	0	694	96,692	97,386
f. Total new and replaced IA			97,386		
Pervious Area (PA)[4]					
g. Total on-site PA	764,361				667,669
h. Total off-site PA[3]	497				497
i. Total project PA	764,858				668,166
j. Total Project Area (2.c.+2.i.)	765,552				765,552
k. Percent Replacement of IA in Redevelopment Projects: (Total Existing IA Replaced ÷ Total Existing IA) x 100%					100 %

[1] "Retained" means to leave existing IA in place. An IA that receives surface treatment (e.g., pavement resurfacing/slurry seal/grind) only is considered "retained". This category does not apply to off-site areas.

[2] The "new" and "replaced" IA are based on the total project area and not specific locations within the project. Constructed IA on a project that does not exceed the total pre-project IA will be considered "replaced" IA. A project will have "new" IA only if the total post-project IA exceeds the total pre-project IA (total post-project IA – total pre-project IA = New IA).

[3] Off-site areas include sidewalks and other parts of the public right-of-way (e.g., roads, bike lanes, curbs, ramps, park strip) that are being reconstructed as part of the project footprint. Do not include frontage areas that are not being reconstructed as part of the project. Note that gravel is considered an impervious surface.

[4] Include bioretention areas, infiltration areas, green roofs, and pervious pavement in PA calculations.

BIORETENTION & FLOW-THROUGH PLANTER NOTES:

1. SEE GRADING PLAN FOR BASIN FOOTPRINT AND DESIGN ELEVATIONS.
2. PLACE 3 INCHES OF COMPOSTED, NON-FLOATABLE MULCH IN AREAS BETWEEN STORMWATER PLANTINGS AND SIDE SLOPE.
3. SEE LANDSCAPE PLAN FOR MULCH, PLANT MATERIALS AND IRRIGATION REQUIREMENTS
4. CURB CUTS SHALL BE A MINIMUM 18" WIDE AND SPACED AT MAXIMUM 10' O.C. INTERVALS AND SLOPED TO DIRECT STORMWATER TO DRAIN INTO THE BASIN. CURB CUTS SHALL ALSO NOT BE PLACED INLINE WITH OVERFLOW CATCH BASIN. SEE GRADING PLAN FOR MORE DETAIL ON LOCATIONS OF CURB CUTS.
5. A MINIMUM 0.2' DROP BETWEEN STORM WATER ENTRY POINT (I.E. CURB OPENING, FLUSH CURB, ETC.) AND ADJACENT LANDSCAPE FINISHED GRADE.
6. DO NOT COMPACT NATIVE SOIL / SUBGRADE AT BOTTOM OF BASIN. LOOSEN SOIL TO 12" DEPTH.

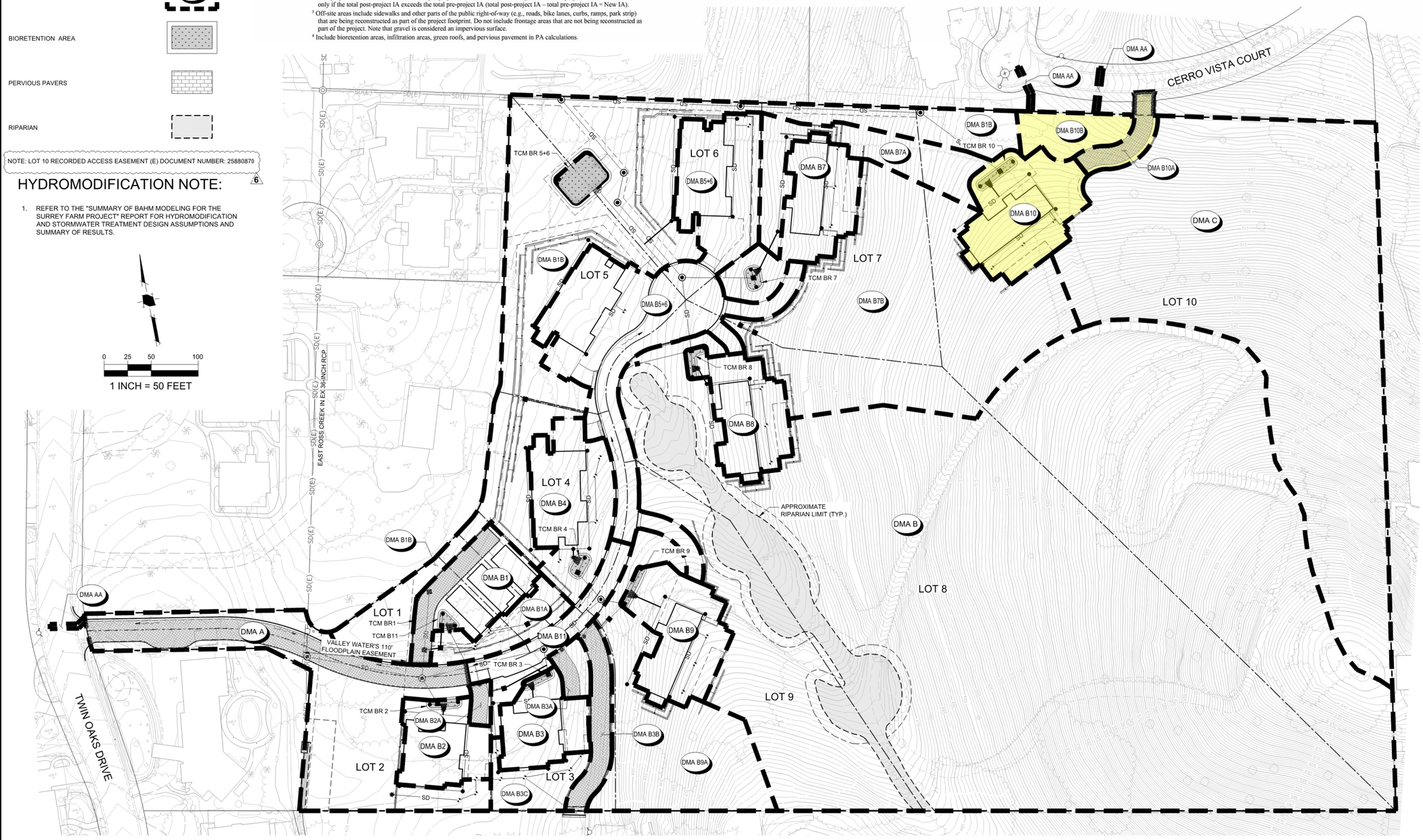
PERVIOUS PAVER REQUIREMENTS

CONTRACTOR OR PERMITEE SHALL:

- PROVIDE CERTIFICATION FROM THE PAVER MANUFACTURER THAT THE PAVERS MEET THE REQUIREMENTS OF THE C3 STORMWATER HANDBOOK FOR PERVIOUS PAVERS. THIS INCLUDES, BUT IS NOT LIMITED TO, HAVING A MINIMUM SURFACE INFILTRATION RATE OF 100"/HR WHEN TESTED IN ACCORDANCE WITH ASTM C1701.
- ONLY CONTRACTORS HOLDING CERTIFICATION OF COMPLETION IN THE INTERLOCKING CONCRETE PAVEMENT INSTITUTES PICP INSTALLER TECHNICIAN COURSE SHALL BE USED TO INSTALL THE PAVERS AND AT LEAST ONE FOREMAN WITH THIS CERTIFICATION MUST BE ON THE JOBSITE AT ALL TIMES DURING CONCRETE PAVER INSTALLATION.
- PROTECT THE EXCAVATED AREA FOR PERVIOUS PAVERS FROM EXCESSIVE COMPACTION DUE TO CONSTRUCTION TRAFFIC AND PROTECT THE FINISHED PAVEMENT FROM CONSTRUCTION TRAFFIC.

STANDARD STORMWATER CONTROL NOTES:

- STANDING WATER SHALL NOT REMAIN IN THE TREATMENT MEASURES FOR MORE THAN FIVE DAYS, TO PREVENT MOSQUITO GENERATION. SHOULD ANY MOSQUITO ISSUES ARISE, CONTACT THE SANTA CLARA VALLEY VECTOR CONTROL DISTRICT (DISTRICT). MOSQUITO LARVICIDES SHALL BE APPLIED ONLY WHEN ABSOLUTELY NECESSARY, AS INDICATED BY THE DISTRICT, AND THEN ONLY BY A LICENSED PROFESSIONAL OR CONTRACTOR. CONTACT INFORMATION FOR THE DISTRICT IS PROVIDED BELOW.
- DO NOT USE PESTICIDES OR OTHER CHEMICAL APPLICATIONS TO TREAT DISEASED PLANTS, CONTROL WEEDS OR REMOVED UNWANTED GROWTH. EMPLOY NON-CHEMICAL CONTROLS (BIOLOGICAL, PHYSICAL AND CULTURAL CONTROLS) TO TREAT A PEST PROBLEM. PRUNE PLANTS PROPERLY AND AT THE APPROPRIATE TIME OF YEAR. PROVIDE ADEQUATE IRRIGATION FOR LANDSCAPE PLANTS. DO NOT OVER WATER.



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SURREY FARM ESTATES
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PROJECT NO:	4185.10
CAD DWG FILE:	4185105W_LOT 10.DWG
DESIGNED BY:	MD
DRAWN BY:	NW
CHECKED BY:	RH
DATE:	MAY 31ST, 2024
SCALE:	1" = 50'

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STORMWATER CONTROL PLAN

5.0

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PROJECT SITE INFORMATION:

1. **SOILS TYPE: C (SANDY LOAM)**
2. **GROUND WATER DEPTH: 30' - 50'**
3. **NAME OF RECEIVING BODY: GUADALUPE CREEK**
4. **FLOOD ZONE: X**
5. **FLOOD ELEVATION (IF APPLICABLE): N/A**

OPERATION AND MAINTENANCE INFORMATION:

I. PROPERTY INFORMATION:

I.A. PROPERTY ADDRESS:
178 TWIN OAKS DRIVE
LOS GATOS, CA, 95032

I.B. PROPERTY OWNER:
JEFFREY L DODGE EXEMPT TRUST

II. RESPONSIBLE PARTY FOR MAINTENANCE:

II.A. CONTACT:
LARRY DODGE

II.B. PHONE NUMBER OF CONTACT:
858-243-7768

II.C. EMAIL:
lddodge@gmail.com

II.D. ADDRESS:
PO BOX 2029
RANCHO SANTA FE, CA 92067

SOURCE CONTROL MEASURES:

1. BENEFICIAL LANDSCAPING.
2. MAINTENANCE (PAVEMENT SWEEPING, CATCH BASIN CLEANING, GOOD HOUSEKEEPING).
3. STORM DRAIN LABELING.

SITE DESIGN MEASURES:

1. MINIMIZE LAND DISTURBED
2. MINIMUM-IMPACT STREET OR PARKING LOT DESIGN
3. PERVIOUS PAVEMENT
4. OTHER SELF-TREATING AREA
5. PRESERVE OPEN SPACE
6. PROTECTED RIPARIAN AND WETLAND AREAS/BUFFERS

BIOTREATMENT SOIL REQUIREMENTS

- BIORETENTION SOIL MIX SHALL MEET THE REQUIREMENTS AS OUTLINED IN APPENDIX C OF THE C.3 STORM WATER HANDBOOK AND SHALL BE A MIXTURE OF FINE SAND AND COMPOST MEASURED ON A VOLUME BASIS OF 60-70% SAND AND 30-40% COMPOST. CONTRACTOR TO REFER TO APPENDIX C FOR SAND AND COMPOST MATERIAL SPECIFICATIONS. CONTRACTOR MAY OBTAIN A COPY OF THE C3 HANDBOOK AT : HTTPS://CLEANWATER.SCCGOV.ORG/SITES/G/FILES/EXJCPB461/FILES/SCVURPPP_C.PDF
- PRIOR TO ORDERING THE BIOTREATMENT SOIL MIX OR DELIVERY TO THE PROJECT SITE, CONTRACTOR SHALL PROVIDE A BIOTREATMENT SOIL MIX SPECIFICATION CHECKLIST, COMPLETED BY THE SOIL MIX SUPPLIER AND CERTIFIED TESTING LAB.

TABLE 1
ROUTINE MAINTENANCE ACTIVITIES FOR BIORETENTION AREAS

NO.	MAINTENANCE TASK	FREQUENCY OF TASK
1	REMOVE OBSTRUCTIONS, WEEDS, DEBRIS AND TRASH FROM BIORETENTION AREA AND ITS INLETS AND OUTLETS; AND DISPOSE OF PROPERLY.	QUARTERLY, OR AS NEEDED AFTER STORM EVENTS
2	INSPECT BIORETENTION AREA FOR STANDING WATER. IF STANDING WATER DOES NOT DRAIN WITHIN 2-3 DAYS, TILL AND REPLACE THE SURFACE BIOTREATMENT SOIL WITH THE APPROVED SOIL MIX AND REPLANT.	QUARTERLY, OR AS NEEDED AFTER STORM EVENTS
3	CHECK UNDERDRAINS FOR CLOGGING. USE THE CLEANOUT RISER TO CLEAN ANY CLOGGED UNDERDRAINS.	QUARTERLY, OR AS NEEDED AFTER STORM EVENTS
4	MAINTAIN THE IRRIGATION SYSTEM AND ENSURE THAT PLANTS ARE RECEIVING THE CORRECT AMOUNT OF WATER (IF APPLICABLE).	QUARTERLY
5	ENSURE THAT THE VEGETATION IS HEALTHY AND DENSE ENOUGH TO PROVIDE FILTERING AND PROTECT SOILS FROM EROSION. PRUNE AND WEED THE BIORETENTION AREA. REMOVE AND/OR REPLACE ANY DEAD PLANTS.	ANNUALLY, BEFORE THE WET SEASON BEGINS
6	USE COMPOST AND OTHER NATURAL SOIL AMENDMENTS AND FERTILIZERS INSTEAD OF SYNTHETIC FERTILIZERS, ESPECIALLY IF THE SYSTEM USES AN UNDERDRAIN.	ANNUALLY, BEFORE THE WET SEASON BEGINS
7	CHECK THAT MULCH IS AT APPROPRIATE DEPTH (2 - 3 INCHES PER SOIL SPECIFICATIONS) AND REPLENISH AS NECESSARY BEFORE WET SEASON BEGINS. IT IS RECOMMENDED THAT 2" – 3" OF ARBOR MULCH BE REAPPLIED EVERY YEAR.	ANNUALLY, BEFORE THE WET SEASON BEGINS
8	INSPECT THE ENERGY DISSIPATION AT THE INLET TO ENSURE IT IS FUNCTIONING ADEQUATELY, AND THAT THERE IS NO SCOUR OF THE SURFACE MULCH. REMOVE ACCUMULATED SEDIMENT.	ANNUALLY, BEFORE THE WET SEASON BEGINS
9	INSPECT OVERFLOW PIPE TO ENSURE THAT IT CAN SAFELY CONVEY EXCESS FLOWS TO A STORM DRAIN. REPAIR OR REPLACE DAMAGED PIPING.	ANNUALLY, BEFORE THE WET SEASON BEGINS
10	REPLACE BIOTREATMENT SOIL AND MULCH, IF NEEDED. CHECK FOR STANDING WATER, STRUCTURAL FAILURE AND CLOGGED OVERFLOWS. REMOVE TRASH AND DEBRIS. REPLACE DEAD PLANTS.	
11	INSPECT BIORETENTION AREA USING THE ATTACHED INSPECTION CHECKLIST.	ANNUALLY, BEFORE THE WET SEASON

TABLE 2
ROUTINE MAINTENANCE ACTIVITIES FOR PERVIOUS PAVEMENT

NO.	MAINTENANCE TASK	FREQUENCY OF TASK
1	CHECK FOR SEDIMENT AND DEBRIS ACCUMULATION. PREVENT SOIL FROM WASHING OR BLOWING ONTO THE PAVEMENT. DO NOT STORE SAND, SOIL, MULCH OR OTHER LANDSCAPING MATERIALS ON PERVIOUS PAVEMENT SURFACES.	TWO TO FOUR TIMES ANNUALLY
2	CONDUCT PREVENTATIVE SURFACE CLEANING, USING COMMERCIALLY AVAILABLE REGENERATIVE AIR OR VACUUM SWEEPERS, TO REMOVE SEDIMENT AND DEBRIS.	TWO TO FOUR TIMES ANNUALLY
3	INSPECT FOR ANY SIGNS OF PAVEMENT FAILURE. REPAIR ANY SURFACE DEFORMATIONS OR BROKEN PAVERS. REPLACE MISSING JOINT FILLER IN PICP.	TWO TO FOUR TIMES ANNUALLY
4	CHECK FOR STANDING WATER ON THE PAVEMENT SURFACE WITHIN 30 MINUTES AFTER A STORM EVENT.	TWO TO FOUR TIMES ANNUALLY
5	INSPECT UNDERDRAIN OUTLETS AND CLEANOUTS, PREFERABLY BEFORE THE WET SEASON. REMOVE TRASH/DEBRIS.	TWO TO FOUR TIMES ANNUALLY
6	REMOVE SEDIMENT AND DEBRIS ACCUMULATION ON PERVIOUS PAVEMENT.	TWO TO FOUR TIMES ANNUALLY
7	REMOVE WEEDS. MOW VEGETATION IN GRID PAVEMENTS (SUCH AS TURF BLOCK) AS NEEDED.	AS NEEDED
8	PERFORM RESTORATIVE SURFACE CLEANING WITH A VACUUM SWEEPER, AND/OR RECONSTRUCTION OF PART OF THE PERVIOUS SURFACE TO RESTORE SURFACE PERMEABILITY AS NEEDED. REPLENISH AGGREGATE IN PICP JOINTS OR GRIDS AS NEEDED AFTER RESTORATIVE SURFACE CLEANING.	AS NEEDED
9	POWER WASHING WITH SIMULTANEOUS VACUUMING ALSO CAN BE USED TO RESTORE SURFACE INFILTRATION TO HIGHLY CLOGGED AREAS OF PERVIOUS CONCRETE, POROUS ASPHALT OR PICP, BUT IS NOT RECOMMENDED FOR GRID PAVEMENTS.	AS NEEDED
10	INSPECT PERVIOUS PAVING AREA USING THE ATTACHED INSPECTION CHECKLIST.	QUARTERLY OR AS NEEDED

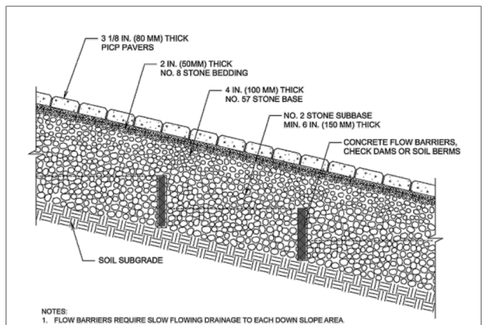
Drainage Management Area (DMA) Summary Table

Complete the information below at the Building Permit stage for Regulated C3 Projects and Non-Regulated Green Stormwater Infrastructure Projects

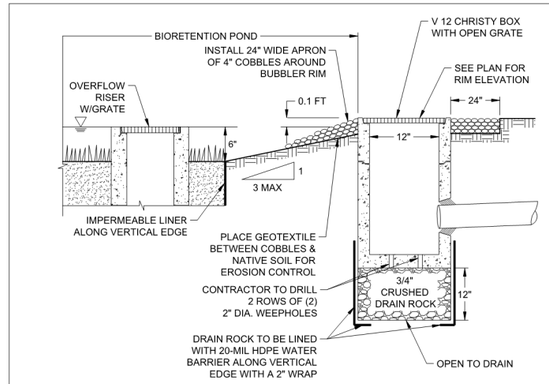
Project Name	Surrey Farm Estates		
APN #	532-16-006		
Project Address:	Twin Oaks Drive, Los Gatos		
Cross Streets:	Longmeadow Drive		

Drainage Area #	Impervious Area (ft^2)	Pervious Area (ft^2)	Site Design Measures or Stormwater Treatment Measures	Hydraulic Sizing Criteria Used
A	1233	31502	Self-treating areas	Not Applicable
AA	694	0		Not Applicable
B	0	310011	Self-treating areas	Not Applicable
B1	3852	6148	Self-retaining areas	Not Applicable
B1A	0	5570	Self-treating areas	Not Applicable
B1B	0	65296	Self-treating areas	Not Applicable
B2	5191	2662	Bioretention area – lined* with underdrain	3: Combination Flow and Volume Design Method
B2A	0	999	Self-treating areas	Not Applicable
B3	5320	2126	Bioretention area – lined* with underdrain	3: Combination Flow and Volume Design Method
B3A	0	1926	Self-treating areas	Not Applicable
B3B	0	4839	Self-treating areas	Not Applicable
B3C	0	4886	Self-treating areas	Not Applicable
B4	6809	6595	Bioretention area – lined* with underdrain	3: Combination Flow and Volume Design Method
B5+6	31608	10762	Bioretention area – lined* with underdrain	3: Combination Flow and Volume Design Method
B7	8946	3084	Bioretention area – lined* with underdrain	3: Combination Flow and Volume Design Method
B7A	0	11272	Self-treating areas	Not Applicable
B7B	0	55461	Self-treating areas	Not Applicable
B8	8938	723	Bioretention area – lined* with underdrain	3: Combination Flow and Volume Design Method
B9	8936	2667	Bioretention area – lined* with underdrain	3: Combination Flow and Volume Design Method
B9A	0	24782	Self-treating areas	Not Applicable
B10	10155	2995	Bioretention area – lined* with underdrain	3: Combination Flow and Volume Design Method
B10A	0	2945	Self-treating areas	Not Applicable
B10B	0	4856	Self-treating areas	
B11	5704	1772	Bioretention area – lined* with underdrain	3: Combination Flow and Volume Design Method
C	0	104307	Self-treating areas	Not Applicable
TOTAL	**97386**	**668166**		

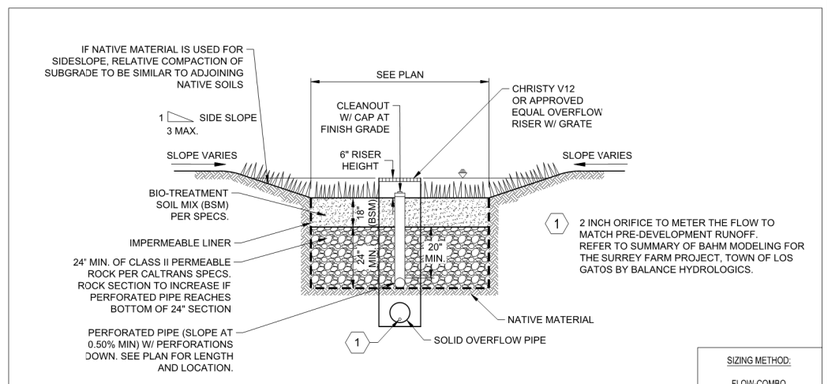
*"Lined" refers to an impermeable liner placed on the bottom of a bioretention area, such that no infiltration into native soil occurs.



3 PERVIOUS PAVEMENT ON SLOPED SUBGRADE (SELF TREATING) N.T.S.



2 BUBBLER BOX DETAIL N.T.S.



SIZING METHOD:
FLOW-COMBO

1 BIORETENTION BASIN W/ LINER N.T.S.

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1	1/8/2025	PER CITY COMMENTS

PROJECT NO:	4185.10
CAD DWG FILE:	4185105W_LOT 10.DWG
DESIGNED BY:	NW/RH
DRAWN BY:	NW
CHECKED BY:	RH
DATE:	MAY 31ST, 2024
SCALE:	NOT TO SCALE

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STORMWATER CONTROL AND HYDROMODIFICATION DETAILS

5.1

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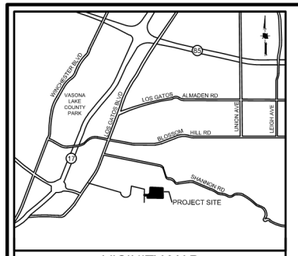

VICINITY MAP
NOT TO SCALE

EROSION AND SEDIMENT CONTROL NOTES

1. CONTRACTOR/OWNER:
   JEFF CURRAN
   1475 SARATOGA AVENUE
   SAN JOSE, CA 95129
   (408) 252-9131

   IT SHALL BE THE OWNER'S RESPONSIBILITY TO MAINTAIN CONTROL OF THE ENTIRE CONSTRUCTION OPERATION AND TO KEEP THE ENTIRE SITE IN COMPLIANCE WITH THE SOIL EROSION CONTROL PLAN.
2. CIVIL ENGINEER:
   HMH ENGINEERS
   1570 OAKLAND ROAD
   SAN JOSE, CA 95131
   ATTN: RAFAEL HERNANDEZ
   408 487 2200
3. THIS PLAN IS INTENDED TO BE USED FOR INTERIM EROSION AND SEDIMENT CONTROL ONLY AND IS NOT TO BE USED FOR FINAL ELEVATIONS OR PERMANENT IMPROVEMENTS.
4. IT IS THE RESPONSIBILITY OF THE OWNER/CONTRACTOR TO ENSURE THAT NO MUD OR SILTATION LEAVES THE PROJECT SITE.
5. INTERIM EROSION CONTROL MEASURES MUST BE COMPLETED AND IN PLACE BY OCTOBER 1.
6. ALL INTERIM EROSION CONTROL MEASURES MUST BE CONTINUOUSLY MAINTAINED THROUGHOUT THE OCTOBER 1 TO APRIL 15 RAINY SEASON.
7. CALL THE INSPECTION LINE AT (408) 399-5760 BY SEPTEMBER 15 FOR INSPECTION OF EROSION CONTROL DEVICES. CALL 24 HOURS IN ADVANCE. INCLUDE GRADING PERMIT NUMBER.
8. IF EROSION CONTROL MEASURES ARE NOT IN PLACE AS REQUIRED OR NOT MAINTAINED, ALL WORK SHALL CEASE UNTIL EROSION CONTROL MEASURES ARE REMEDIED.

MAINTENANCE SCHEDULE

CONTROL	INSPECTION FREQUENCY	MAINTENANCE/REPAIR MEASURES
STABILIZED CONSTRUCTION ENTRANCE	WEEKLY & AFTER EACH RAIN	REPLACE GRAVEL MATERIAL WHEN VOIDS ARE PRESENT REMOVE ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS WITHIN 24 HOURS REMOVE GRAVEL AT COMPLETION OF CONSTRUCTION
STORM DRAIN INLET PROTECTION	WEEKLY & AFTER EACH RAIN	REPLACE CLOGGED FILTER FABRIC IMMEDIATELY REMOVE SEDIMENT WHEN IT REACHES 1/2 THE HEIGHT OF THE FILTER
SEDIMENT BASIN	WEEKLY & AFTER EACH RAIN	REMOVE SEDIMENT WHEN THE SEDIMENT STORAGE ZONE IS HALF FULL REPAIR EROSION AS NECESSARY UNCLOG OUTLET RISER
HYDROSEED/HYDROMULCH EROSION CONTROL BLANKETS	PERIODICALLY DURING & AFTER EACH RAIN	PRIOR TO RESEEDING, REPAIR ALL RILLS AND GULLIES REMOVE SEDIMENT BUILDUP AT TOE OF SLOPES REAPPLY SEED AND/OR MULCH TO AREAS THAT HAVE BEEN REPAIRED, ERODED, OR ARE WITHOUT ADEQUATE VEGETATION DISLOCATED BLANKETS, NETS, OR MATS SHOULD BE REPAIRED OR REPLACED
STRAW ROLLS	WEEKLY & AFTER EACH RAIN	REPAIR WHENEVER STRAW ROLL IS DAMAGED REMOVE SEDIMENT WHEN IT REACHES 1/3 THE HEIGHT OF THE ROLLS ESPECIALLY IF HEAVY RAINS ARE EXPECTED

BUILDING PAD PROTECTION NOTE:

1. IF PAD WILL REMAIN WITHOUT BUILDING CONSTRUCTION DURING THE RAINY SEASON, THE PAD SHALL BE STABILIZED OR PROVIDED WITH AN EROSION BLANKET TO PROTECT THE BUILDING PAD.

EROSION CONTROL PLAN NOTE:

THIS WATER POLLUTION CONTROL PLAN MAY NOT COVER ALL THE SITUATIONS THAT ARISE DURING CONSTRUCTION DUE TO UNANTICIPATED FIELD CONDITIONS. THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES (BMPS) LISTED IN THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP), AND SHALL IMPLEMENT AND MAINTAIN THE SWPPP FOR THE PROJECT IN FULL COMPLIANCE WITH THE REVISED STATE REGULATIONS TO CONTROL THE DISCHARGE OF STORMWATER POLLUTANTS.

LEGEND

STANDARD INLET PROTECTION

FIBER ROLL OR SILT FENCE (SEE PLAN)

STABILIZED CONSTRUCTION ENTRANCE

HYDROSEED DISTURBED AREA

6 NOTE: LOT 10 RECORDED ACCESS EASEMENT (E) DOCUMENT NUMBER: 25880870

0 25 50 100
1 INCH = 50 FEET

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San Jose, CA 95131 HMHca.com

SURREY FARM ESTATES
LOT 10 (S-24-032)
178 TWIN OAKS DRIVE
ARCHITECTURE & SITE REVIEW

NO	DATE	DESCRIPTION
6	10/24/2025	PER CITY COMMENTS
5	9/15/2025	PER CITY COMMENTS
4	7/25/2025	PER CITY COMMENTS
3	4/18/2025	PER CITY COMMENTS
2	3/31/2025	PER CITY COMMENTS

PROJECT NO:	4185.10
CAD DWG FILE:	418510EC_LOT 10.DWG
DESIGNED BY:	AV/RH
DRAWN BY:	AV
CHECKED BY:	RH
DATE:	MAY 31ST, 2024
SCALE:	1" = 50'

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EROSION CONTROL PLAN

6.0

S:\PROJECTS\418510\PLI\PERMIT\LOT 10\PERMIT\418510EC_LOT 10.DWG

PLOTTED: 10/24/2025 8:50 AM

LEGEND

STANDARD INLET PROTECTION

FIBER ROLL OR SILT FENCE (SEE PLAN)

STABILIZED CONSTRUCTION ENTRANCE

HYDROSEED DISTURBED AREA

6 NOTE: LOT 10 RECORDED ACCESS EASEMENT (E) DOCUMENT NUMBER: 25880870

SE-5 / 6.3 FIBER ROLL (TYP)

SE-10 / 6.2 STORM DRAIN INLET PROTECTION (TYP)

SE-10 / 6.2 STABILIZED CONSTRUCTION ENTRANCE/EXIT

EX. TREE TO BE REMOVED (TYP.)

EX. TREE TO REMAIN (TYP.)

LOT 10

SD

185 187 189 190 191 192 193 194 195 196 197 199 200 202 203 204 205 207 495 500

0 5 10 20

1 INCH = 10 FEET

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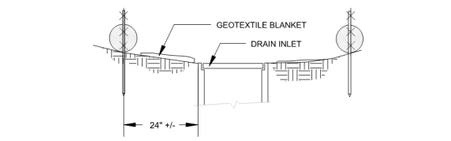
EROSION CONTROL PLAN

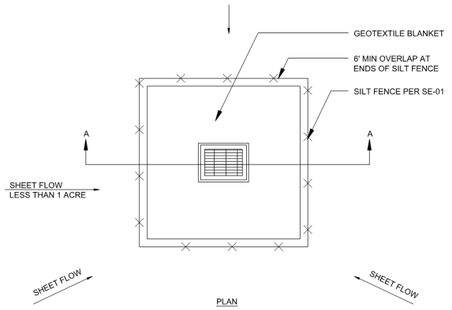
6.1

S:\PROJECTS\4185\10\PLI\PERMIT\LOT 10\PERMIT\4185 10EC_LOT 10.DWG

PLOTTED: 10/24/2025 8:50 AM



SECTION A-A

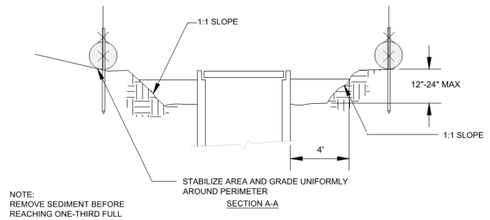


PLAN

NOTES:
1. FOR USE IN AREAS WHERE GRADING HAS BEEN COMPLETED AND FINAL SOIL STABILIZATION AND SEEDING ARE PENDING SHAPE BASIN SO THAT LONGEST INFLOW AREA FACES LONGEST LENGTH OF TRAP
2. NOT APPLICABLE IN PAVED AREAS
3. NOT APPLICABLE WITH CONCENTRATED FLOWS

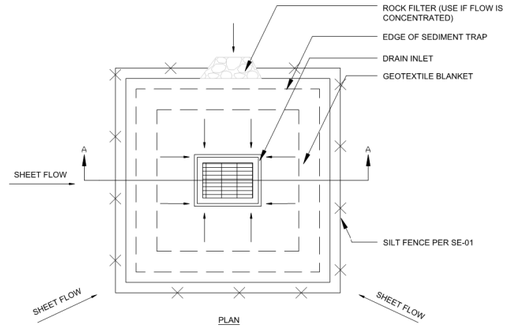
SE-10 STORM DRAIN INLET PROTECTION - TYPE 1

N.T.S.



NOTE:
REMOVE SEDIMENT BEFORE REACHING ONE-THIRD FULL

SECTION A-A

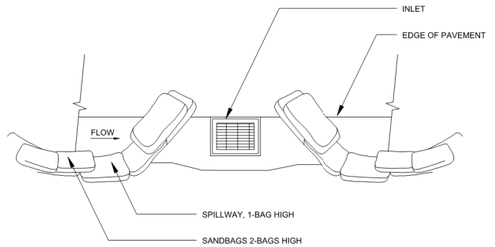


PLAN

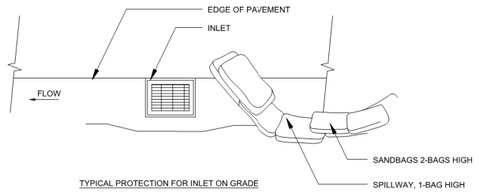
NOTES:
1. FOR USE IN CLEARED AND GRUBBED AND IN GRADED AREAS
2. SHAPE BASIN SO THAT LONGEST INFLOW AREA FACES LONGEST LENGTH OF TRAP
3. FOR CONCENTRATED FLOWS SHAPE BASIN IN 2:1 RATIO WITH LENGTH ORIENTED TOWARDS DIRECTION FLOW

SE-10 STORM DRAIN INLET PROTECTION - TYPE 2

N.T.S.



TYPICAL PROTECTION FOR INLET ON SUMP

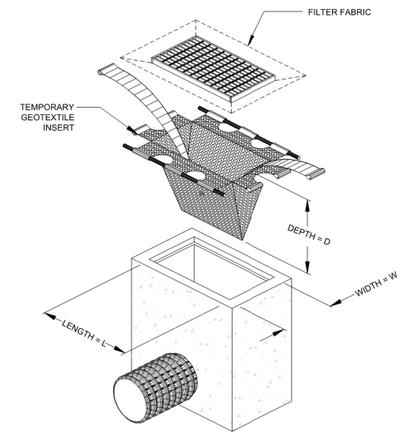


TYPICAL PROTECTION FOR INLET ON GRADE

NOTES:
1. INTENDED FOR SHORT TERM USE
2. USED TO INHIBIT STORM WATER FLOW
3. ALLOW FOR PROPER MAINTENANCE AND CLEANUP
4. BAG MUST BE REMOVED AFTER ADJACENT OPERATION IS COMPLETED
5. NOT APPLICABLE IN AREAS WITH HIGH SILTS AND CLAYS WITHOUT FILTER FABRICS

SE-10 STORM DRAIN INLET PROTECTION - TYPE 3

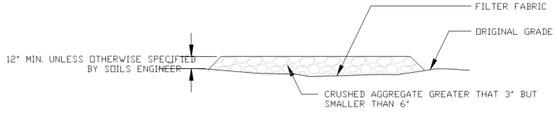
N.T.S.



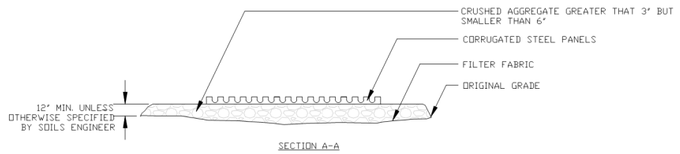
NOTES:
1. INTENDED FOR SHORT TERM USE
2. INSTALL PER MANUFACTURER INSTRUCTION
3. PERFORM MAINTENANCE PER MANUFACTURER RECOMMENDATION

SE-10 STORM DRAIN INLET PROTECTION - TYPE 4

N.T.S.



SECTION B-B
N.T.S.



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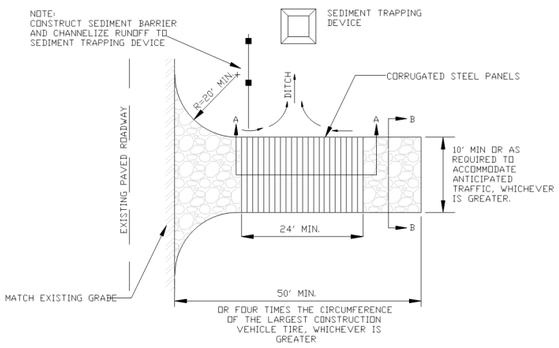
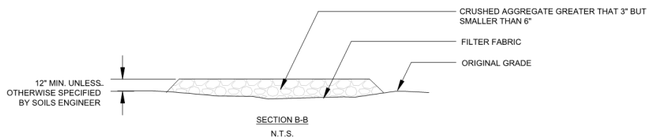


TC-1 STABILIZED CONSTRUCTION ENTRANCE/EXIT

N.T.S.

SECTION A-A
N.T.S.



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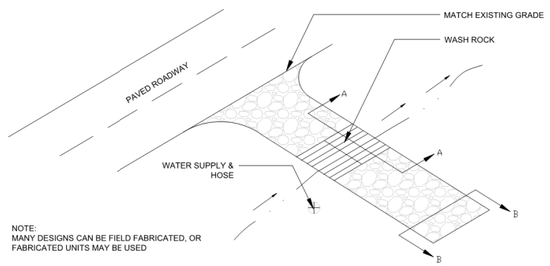
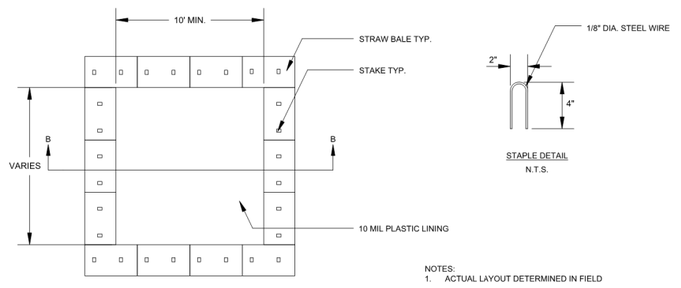


NOTE:
MANY DESIGNS CAN BE FIELD FABRICATED, OR FABRICATED UNITS MAY BE USED

TC-3 ENTRANCE / OUTLET TIRE WASH

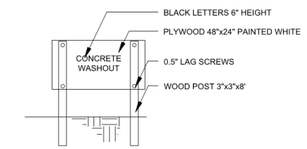
N.T.S.



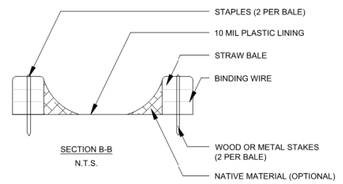
PLAN
N.T.S.
TYPE "ABOVE GRADE" STRAW BALES

NOTES:
1. ACTUAL LAYOUT DETERMINED IN FIELD
2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FT. OF THE TEMPORARY CONCRETE WASHOUT FACILITY

STAPLE DETAIL
N.T.S.



CONCRETE WASHOUT SIGN OR EQUIVALENT
N.T.S.



SECTION B-B
N.T.S.

WM-8 CONCRETE WASTE MANAGEMENT

N.T.S.

NOTE:
DETAILS SHOWN ARE BASED UPON THE CALIFORNIA STORMWATER QUALITY ASSOCIATION'S STORMWATER BEST MANAGEMENT PRACTICE HANDBOOK.

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1	1/8/2025	PER CITY COMMENTS

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DESIGNED BY:	AV/RH
DRAWN BY:	NW
CHECKED BY:	RH
DATE:	MAY 31ST, 2024
SCALE:	NOT TO SCALE

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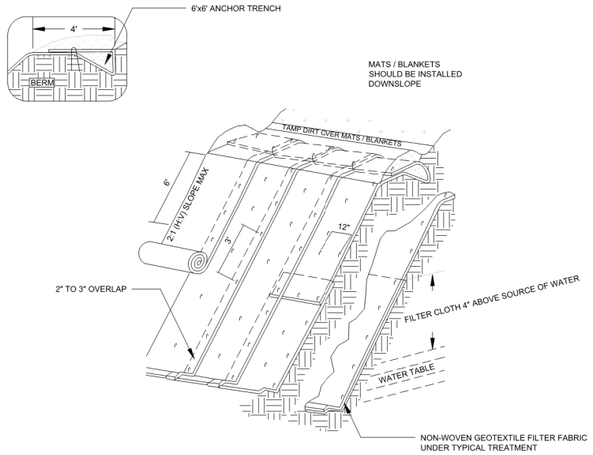
EROSION CONTROL DETAILS

6.2



ISOMETRIC VIEW

TYPICAL SLOPE SOIL STABILIZATION

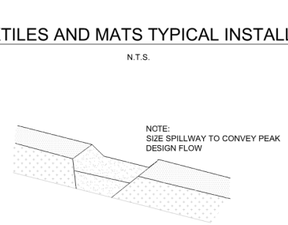
N.T.S.

NOTES:

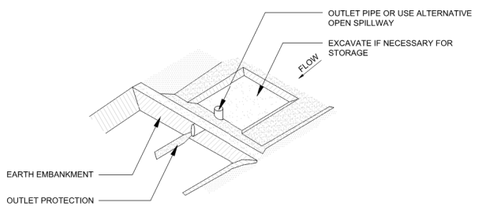
1. SLOPE SURFACES SHALL BE FREE OF ROCKS, CLODS, STICKS, AND GRASS. MATS / BLANKETS SHALL HAVE GOOD SOIL CONTACT
2. LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH
3. INSTALL PER MANUFACTURER'S RECOMMENDATIONS

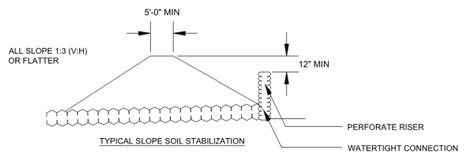
EC-7 GEOTEXTILES AND MATS TYPICAL INSTALLATION DETAIL

N.T.S.



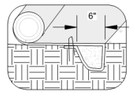
TYPICAL OPEN SPILLWAY





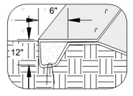
SE-3 SEDIMENT TRAP

N.T.S.



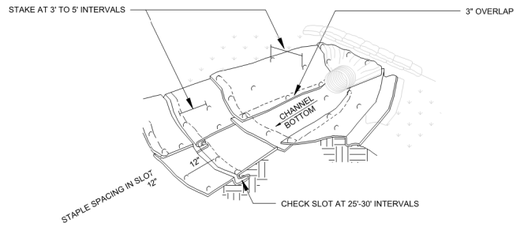
INITIAL CHANNEL ANCHOR TRENCH

N.T.S.



TERMINAL SLOPE AND CHANNEL ANCHOR TRENCH

N.T.S.



ISOMETRIC VIEW

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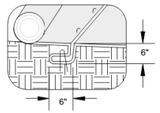
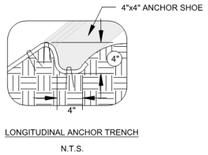


INTERMITTENT CHECK SLOT

N.T.S.



LONGITUDINAL ANCHOR TRENCH

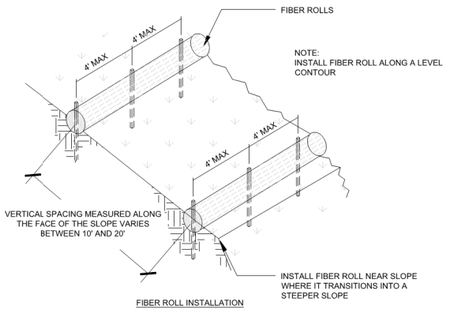
N.T.S.

NOTES:

1. CHECK SLOTS TO BE CONSTRUCTED PER MANUFACTURER'S SPECIFICATIONS
2. STAKING OR STAPLING PER MANUFACTURER'S SPECIFICATIONS
3. INSTALL PER MANUFACTURER'S SPECIFICATIONS

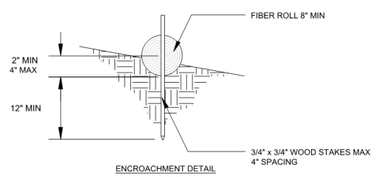
EC-7 GEOTEXTILES AND MATS TYPICAL INSTALLATION DETAIL

N.T.S.



FIBER ROLL INSTALLATION

N.T.S.

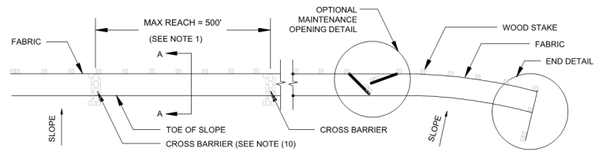


ENCROACHMENT DETAIL

N.T.S.

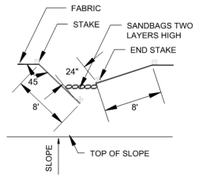
SE-5 FIBER ROLLS

N.T.S.

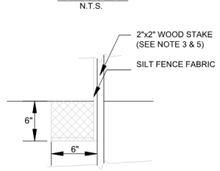


SILT FENCE PLAN

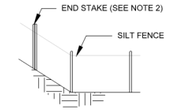
N.T.S.



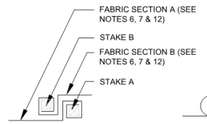
OPTIONAL MAINTENANCE OPENING DETAIL



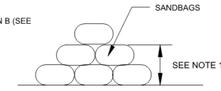
DETAIL A



END DETAIL

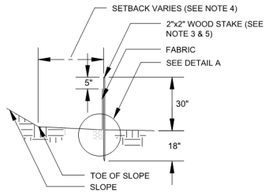


JOINING SECTION DETAIL (TOP VIEW)



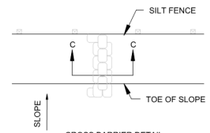
SECTION C-C

N.T.S.



SECTION A-A

END STAKE DETAIL (TOP VIEW)



CROSS BARRIER DETAIL

N.T.S.

NOTES:

1. CONSTRUCT LENGTH OF EACH REACH SO THAT THE CHANGE IN BASE ELEVATION ALONG THE REACH DOES NOT EXCEED 1/3 THE HEIGHT OF THE LINEAR BARRIER IN NO CASE SHALL THE REACH LENGTH EXCEED 500'
2. THE LAST 8'-0" OF FENCE SHALL BE TURNED UP SLOPE
3. STAKE DIMENSIONS ARE NOMINAL
4. DIMENSION MAY VARY TO FIT FIELD CONDITIONS
5. STAKES SHALL BE SPACED AT 8'-0" MAXIMUM AND SHALL BE POSITIONED ON THE DOWNSIDE OF THE FENCE
6. STAKES TO OVERLAP AND FENCE FABRIC TO FOLD AROUND EACH STAKE ONE FULL TURN. SECURE FABRIC TO STAKE WITH 4 STAPLES
7. STAKES SHALL BE DRIVEN LIGHTLY TOGETHER TO PREVENT POTENTIAL FLOW-THROUGH OF SEDIMENT AT JOINT. THE TOPS OF THE STAKES SHALL BE SECURED WITH WIRE
8. FOR END STAKE FENCE FABRIC SHALL BE FOLDED AROUND TWO STAKES ONE FULL TURN AND SECURED WITH 4 STAPLES
9. MINIMUM 4 STAPLES PER STAKE. DIMENSIONS SHOWN ARE TYPICAL
10. CROSS BARRIERS SHALL BE A MINIMUM OF 1/3 AND A MAXIMUM OF 1/2 HEIGHT OF THE LINEAR BARRIER
11. MAINTENANCE OPENINGS SHALL BE CONSTRUCTED INA MANNER TO ENSURE SEDIMENT REMAINS BEHIND SILT FENCE
12. JOINING SECTIONS SHALL NOT BE PLACES AT SUMP LOCATIONS
13. SANDBAG ROWS AND LAYERS SHALL BE OFFSET TO ELIMINATE GAPS

SE-1 SILT FENCE

N.T.S.

EROSION CONTROL PLAN NOTES:

THIS WATER POLLUTION CONTROL PLAN MAY NOT COVER ALL THE SITUATIONS THAT ARISE DURING CONSTRUCTION DUE TO UNANTICIPATED FIELD CONDITIONS. THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES (BMPS) LISTED IN THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP), AND SHALL IMPLEMENT AND MAINTAIN THE SWPPP FOR THE PROJECT IN FULL COMPLIANCE WITH THE REVISED STATE REGULATIONS TO CONTROL THE DISCHARGE OF STORMWATER POLLUTANTS.

NOTE:

DETAILS SHOWN ARE BASED UPON THE CALIFORNIA STORMWATER QUALITY ASSOCIATION'S STORMWATER BEST MANAGEMENT PRACTICE HANDBOOK.

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SURREY FARM ESTATES
LOT 10 (S-24-032)
178 TWIN OAKS DRIVE
ARCHITECTURE & SITE REVIEW

NO	DATE	DESCRIPTION
5	9/15/2025	PER CITY COMMENTS
4	7/25/2025	PER CITY COMMENTS
3	4/18/2025	PER CITY COMMENTS
2	3/31/2025	PER CITY COMMENTS
1	1/8/2025	PER CITY COMMENTS

PROJECT NO:	4185.10
CAD DWG FILE:	418510EC_LOT 10.DWG
DESIGNED BY:	AV/RH
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CHECKED BY:	RH
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EROSION CONTROL DETAILS

6.3

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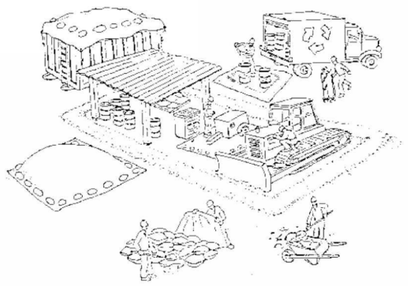
Pollution Prevention — It's Part of the Plan



Make sure your crews and subs do the job right!

Runoff from streets and other paved areas is a major source of pollution in San Francisco Bay. Construction activities can directly affect the health of the Bay unless contractors and crews plan ahead to keep dirt, debris, and other construction waste away from storm drains and local creeks. Following these guidelines will ensure your compliance with local ordinance requirements.

Materials storage & spill cleanup

Non-hazardous materials management

- ✓ Sand, dirt, and similar materials must be stored at least 10 feet from catch basins, and covered with a tarp during wet weather or when rain is forecast.
- ✓ Use (but don't overuse) reclaimed water for dust control as needed.
- ✓ Sweep streets and other paved areas daily. Do not wash down streets or work areas with water!
- ✓ Recycle all asphalt, concrete, and aggregate base material from demolition activities.
- ✓ Check dumpsters regularly for leaks and to make sure they don't overflow. Repair or replace leaking dumpsters promptly.

Hazardous materials management

- ✓ Label all hazardous materials and hazardous wastes (such as pesticides, paints, thinners, solvents, fuel, oil, and antifreeze) in accordance with city, state, and federal regulations.
- ✓ Store hazardous materials and wastes in secondary containment and cover them during wet weather.
- ✓ Follow manufacturer's application instructions for hazardous materials and be careful not to use more than necessary. Do not apply chemicals outdoors when rain is forecast within 24 hours.
- ✓ Be sure to arrange for appropriate disposal of all hazardous wastes.

Spill prevention and control

- ✓ Keep a stockpile of spill cleanup materials (rags, absorbents, etc.) available at the construction site at all times.
- ✓ When spills or leaks occur, contain them immediately and be particularly careful to prevent leaks and spills from reaching the gutter, street, or storm drain. Never wash spilled material into a gutter, street, storm drain, or creek!
- ✓ Report any hazardous materials spills immediately! Dial 911 or your local emergency response number.

Vehicle and equipment maintenance & cleaning

- ✓ Inspect vehicles and equipment for leaks frequently. Use drip pans to catch leaks until repairs are made; repair leaks promptly.
- ✓ Fuel and maintain vehicles on site only in a bermed area or over a drip pan that is big enough to prevent runoff.
- ✓ If you must clean vehicles or equipment on site, clean with water only in a bermed area that will not allow rinsewater to run into gutters, streets, storm drains, or creeks.
- ✓ Do not clean vehicles or equipment on-site using soaps, solvents, degreasers, steam cleaning equipment, etc.

Earthwork & contaminated soils

- ✓ Keep excavated soil on the site where it is least likely to collect in the street. Transfer to dump trucks should take place on the site, not in the street.
- ✓ Use hay bales, silt fences, or other control measures to minimize the flow of silt off the site.
- ✓ Avoid scheduling earth moving activities during the rainy season if possible. If grading activities during wet weather are allowed in your permit, be sure to implement all control measures necessary to prevent erosion.
- ✓ Mature vegetation is the best form of erosion control. Minimize disturbance to existing vegetation whenever possible.
- ✓ If you disturb a slope during construction, prevent erosion by securing the soil with erosion control fabric, or seed with fast-growing grasses as soon as possible. Place hay bales down-slope until soil is secure.
- ✓ If you suspect contamination (from site history, discoloration, odor, texture, abandoned underground tanks or pipes, or buried debris), call your local fire department for help in determining what testing should be done.
- ✓ Manage disposal of contaminated soil according to Fire Department instructions.

Dewatering operations

- ✓ Reuse water for dust control, irrigation, or another on-site purpose to the greatest extent possible.
- ✓ Be sure to call your city's storm drain inspector before discharging water to a street, gutter, or storm drain. Filtration or diversion through a basin, tank, or sediment trap may be required.
- ✓ In areas of known contamination, testing is required prior to reuse or discharge of groundwater. Consult with the city inspector to determine what testing to do and to interpret results. Contaminated groundwater must be treated or hauled off-site for proper disposal.

Saw cutting

- ✓ Always completely cover or barricade storm drain inlets when saw cutting. Use filter fabric, hay bales, sand bags, or fine gravel dams to keep slurry out of the storm drain system.
- ✓ Shovel, absorb, or vacuum saw-cut slurry and pick up all waste as soon as you are finished in one location or at the end of each work day (whichever is sooner!).
- ✓ If saw cut slurry enters a catch basin, clean it up immediately.

Paving/asphalt work

- ✓ Do not pave during wet weather or when rain is forecast.
- ✓ Always cover storm drain inlets and manholes when paving or applying seal coat, tack coat, slurry seal, or fog seal.
- ✓ Place drip pans or absorbent material under paving equipment when not in use.
- ✓ Protect gutters, ditches, and drainage courses with hay bales, sand bags, or earthen berms.
- ✓ Do not sweep or wash down excess sand from sand sealing into gutters, storm drains, or creeks. Collect sand and return it to the stockpile, or dispose of it as trash.
- ✓ Do not use water to wash down fresh asphalt concrete pavement.

Concrete, grout, and mortar storage & waste disposal

- ✓ Be sure to store concrete, grout, and mortar under cover and away from drainage areas. These materials must never reach a storm drain.
- ✓ Wash out concrete equipment/trucks off-site or designate an on-site area for washing where water will flow onto dirt or into a temporary pit in a dirt area. Let the water seep into the soil and dispose of hardened concrete with trash.

- ✓ Divert water from washing exposed aggregate concrete to a dirt area where it will not run into a gutter, street, or storm drain.
- ✓ If a suitable dirt area is not available, collect the wash water and remove it for appropriate disposal off site.

Painting

- ✓ Never rinse paint brushes or materials in a gutter or street!
- ✓ Paint out excess water-based paint before rinsing brushes, rollers, or containers in a sink. If you can't use a sink, direct wash water to a dirt area and spade it in.
- ✓ Paint out excess oil-based paint before cleaning brushes in thinner.
- ✓ Filter paint thinners and solvents for reuse whenever possible. Dispose of oil-based paint sludge and unusable thinner as hazardous waste.

BASMAA Bay Area Stormwater Management Agencies Association (BASMAA)
1-888-BAYWISE

Storm drain polluters may be liable for fines of up to $10,000 per day!

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SURREY FARM ESTATES
LOT 10 (S-24-032)
178 TWIN OAKS DRIVE
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BASMAA

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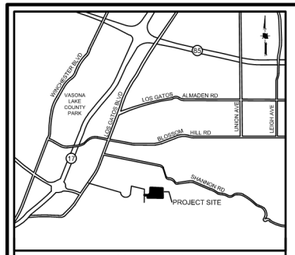


VICINITY MAP
NOT TO SCALE

REQUIRED FIRE FLOW & HYDRANTS

LOT 1: 2231 SF, TYPE VB
FIRE FLOW: 500 GPM FOR 1/2 HOUR, PER CFC APPENDIX B, TABLE B105.1(1)
HYDRANTS: 1 HYDRANT WITH AVERAGE SPACING 500' PER CFC APPENDIX C, TABLE C102.1

LOT 2 & 3: 2155 SF, TYPE VB
FIRE FLOW: 500 GPM FOR 1/2 HOUR, PER CFC APPENDIX B, TABLE B105.1(1)
HYDRANTS: 1 HYDRANT WITH AVERAGE SPACING 500' PER CFC APPENDIX C, TABLE C102.1

LOTS 4,5,6: 6827 SF, TYPE VB
FIRE FLOW: 1125 GPM FOR 1 HOUR, PER CFC APPENDIX B, TABLE B105.1(1) AND TABLE B105.1(2)
HYDRANTS: 2 HYDRANTS WITH AVERAGE SPACING 450' PER CFC APPENDIX C, TABLE C102.1

LOTS 2,3: 7773 SF, TYPE VB
FIRE FLOW: 1250 GPM FOR 1 HOUR, PER CFC APPENDIX B, TABLE B105.1(1) AND TABLE B105.1(2)
HYDRANTS: 2 HYDRANTS WITH AVERAGE SPACING 450' PER CFC APPENDIX C, TABLE C102.1

LOTS 7,8,9,10: 7699 SF, TYPE VB
FIRE FLOW: 1125 GPM FOR 1 HOUR, PER CFC APPENDIX B, TABLE B105.1(1) AND TABLE B105.1(2)
HYDRANTS: 2 HYDRANTS WITH AVERAGE SPACING 450' PER CFC APPENDIX C, TABLE C102.1

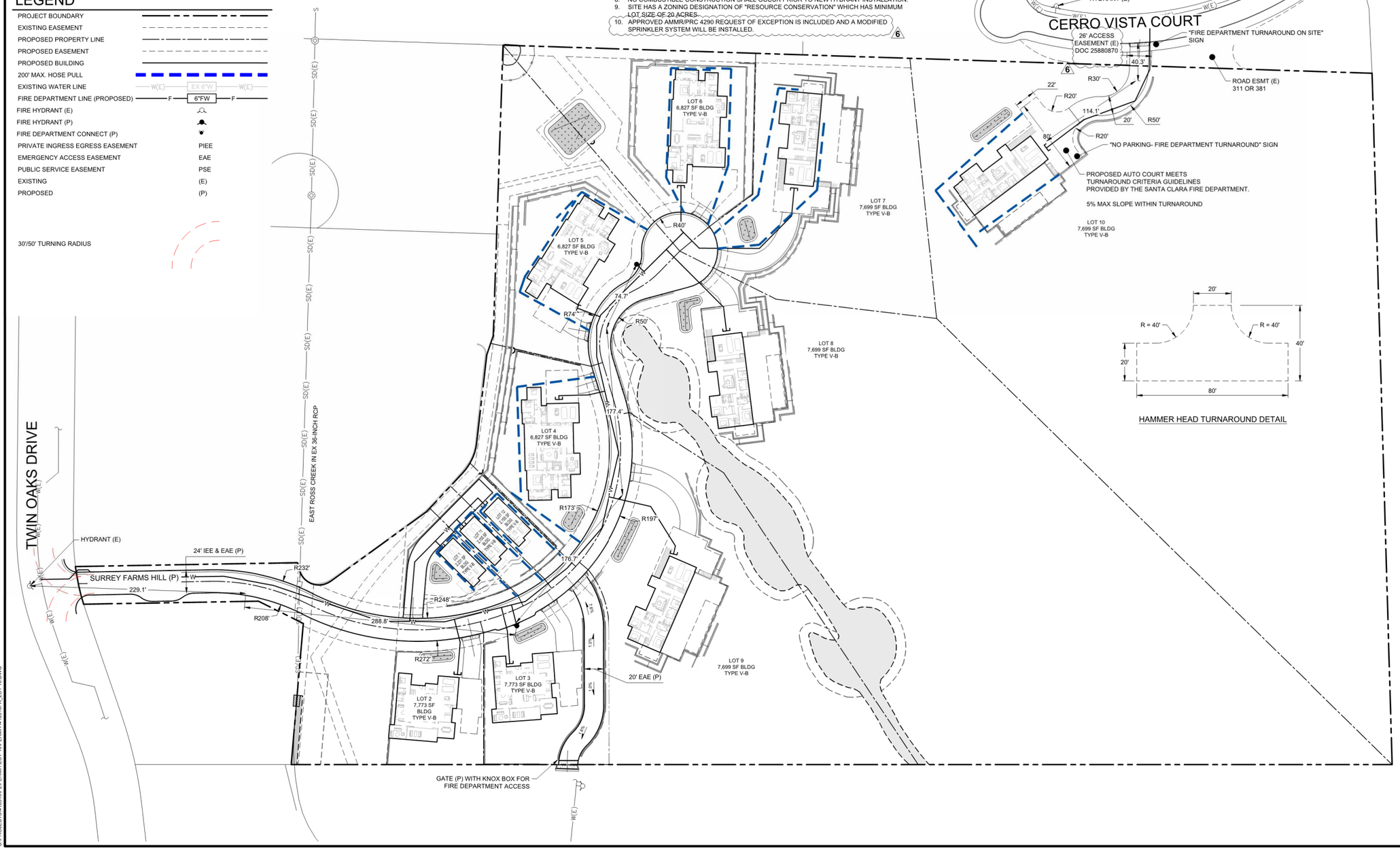
NOTES

1. PRIVATE STREETS WILL INCLUDE EMERGENCY ACCESS EASEMENTS
2. MAX HOSE PULL LENGTH IS 200'
3. CONSTRUCTION TYPE IS V-B
4. OCCUPANCY GROUPS: R-3
5. ACCESS ROADWAYS SHALL BE PROVIDED TO COMPLY WITH ALL OF THE FOLLOWING REQUIREMENTS:
   a. FIRE APPARATUS ACCESS ROADWAYS SHALL HAVE A "MINIMUM" WIDTH OF A FIRE APPARATUS ACCESS ROADWAY FOR ENGINES IS 20 FEET.
   b. FIRE ACCESS ROADWAYS SHALL HAVE A "MINIMUM" UNOBSTRUCTED VERTICAL CLEARANCE OF NOT LESS THAN 13 FEET 6 INCHES.
   c. ALL FIRE DEPARTMENT ACCESS ROADWAYS INCLUDING THE PRIVATE STREET, DRIVEWAYS, AND EMERGENCY ACCESS EASEMENTS SHALL BE AN ALL-WEATHER SURFACE DESIGNED TO SUPPORT THE IMPOSED LOAD OF FIRE APPARATUS WITH A GROSS VEHICLE WEIGHT OF 75,000-POUNDS.
   d. FIRE APPARATUS ACCESS ROADWAYS SHALL HAVE A "MINIMUM" INSIDE TURNING RADIUS FOR FIRE DEPARTMENT ACCESS ROADWAYS SHALL BE 30 FEET OR GREATER.
   e. THE GRADE FOR EMERGENCY APPARATUS ACCESS ROADWAYS SHALL NOT EXCEED 10 PERCENT TO FACILITATE FIRE-GROUND OPERATIONS.
   f. TRAFFIC CALMING DEVICES ARE NOT PERMITTED ON ANY DESIGNATED FIRE ACCESS ROADWAY, UNLESS APPROVED BY THE FIRE PREVENTION & HAZARDOUS MATERIALS DIVISION.
6. ALL DESIGNATED FIRE LANES WITH RAISED CURBS SHALL BE PAINTED RED. "NO PARKING - FIRE LANE" SHALL BE IN WHITE PAINT, 6 INCHES IN HEIGHT WITH A MINIMUM 1 INCH STROKE. LETTERING SHALL BE PAINTED AT AN INTERVAL OF EVERY 25 FEET.
7. SPRINKLERS SHALL BE PROVIDED (DEFERRED SUBMITTAL)
8. NO COMBUSTIBLE CONSTRUCTION SHALL OCCUR PRIOR TO NEW HYDRANT INSTALLATION.
9. SITE HAS A ZONING DESIGNATION OF "RESOURCE CONSERVATION" WHICH HAS MINIMUM LOT SIZE OF 20 ACRES.
10. APPROVED AMM/PRC 4290 REQUEST OF EXCEPTION IS INCLUDED AND A MODIFIED SPRINKLER SYSTEM WILL BE INSTALLED. 6

LEGEND

PROJECT BOUNDARY	
EXISTING EASEMENT	
PROPOSED PROPERTY LINE	
PROPOSED EASEMENT	
PROPOSED BUILDING	
200' MAX. HOSE PULL	
EXISTING WATER LINE	W(E) — EX 6"W — W(E)
FIRE DEPARTMENT LINE (PROPOSED)	F — 6"FW — F
FIRE HYDRANT (E)	
FIRE HYDRANT (P)	
FIRE DEPARTMENT CONNECT (P)	
PRIVATE INGRESS EGRESS EASEMENT	PIEE
EMERGENCY ACCESS EASEMENT	EAE
PUBLIC SERVICE EASEMENT	PSE
EXISTING	(E)
PROPOSED	(P)

30'/50' TURNING RADIUS



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SURREY FARM ESTATES
LOT 10 (S-24-032)
178 TWIN OAKS DRIVE
ARCHITECTURE & SITE REVIEW

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SCALE:	AS SHOWN
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FIRE ACCESS PLAN

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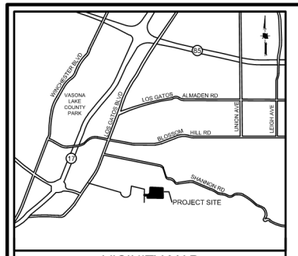

VICINITY MAP
NOT TO SCALE

REQUIRED FIRE FLOW & HYDRANTS

LOTS 1,11,12: 2070 SF, TYPE VB
FIRE FLOW: 1000 GPM FOR 1 HOUR, PER CFC APPENDIX B, TABLE B105.1(1)
HYDRANTS: 1 HYDRANT WITH AVERAGE SPACING 500' PER CFC APPENDIX C, TABLE C102.1

LOTS 4,5,6: 5775 SF, TYPE VB
FIRE FLOW: 1000 GPM FOR 1 HOUR, PER CFC APPENDIX B, TABLE B105.1(1) AND TABLE B105.1(2)
HYDRANTS: 2 HYDRANTS WITH AVERAGE SPACING 450' PER CFC APPENDIX C, TABLE C102.1

LOTS 2,3,7,8,9,10: 6205 - 6830 SF, TYPE VB
FIRE FLOW: 1125 GPM FOR 1 HOUR, PER CFC APPENDIX B, TABLE B105.1(1) AND TABLE B105.1(2)
HYDRANTS: 2 HYDRANTS WITH AVERAGE SPACING 450' PER CFC APPENDIX C, TABLE C102.1

NOTES

1. PRIVATE STREETS WILL INCLUDE EMERGENCY ACCESS EASEMENTS
2. MAX HOSE PULL LENGTH IS 200'
3. CONSTRUCTION TYPE IS V-B
4. OCCUPANCY GROUPS: R-3
5. ACCESS ROADWAYS SHALL BE PROVIDED TO COMPLY WITH ALL OF THE FOLLOWING REQUIREMENTS:
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6. ALL DESIGNATED FIRE LANES WITH RAISED CURBS SHALL BE PAINTED RED. "NO PARKING - FIRE LANE" SHALL BE IN WHITE PAINT, 6 INCHES IN HEIGHT WITH A MINIMUM 1 INCH STROKE. LETTERING SHALL BE PAINTED AT AN INTERVAL OF EVERY 25 FEET.

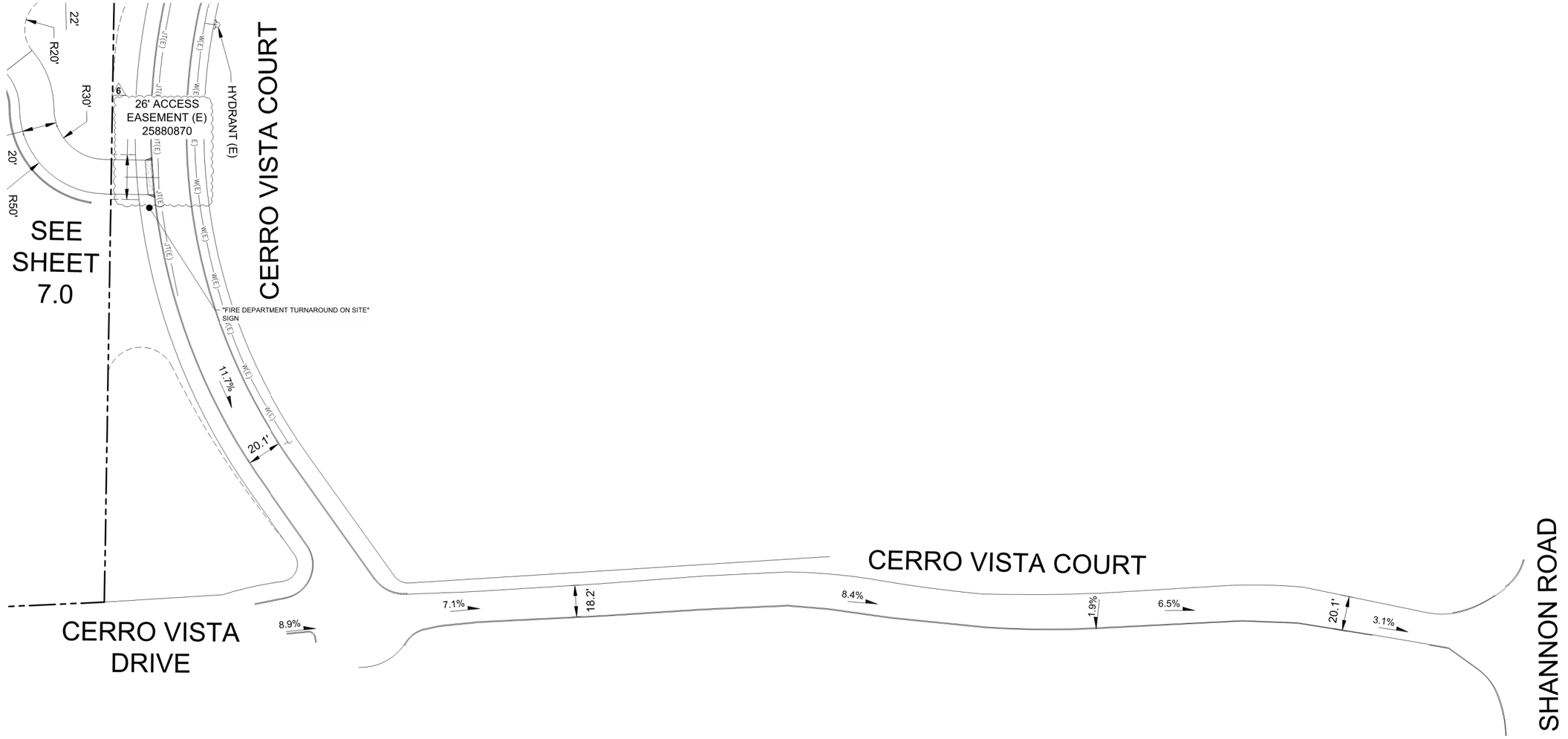
LEGEND

PROJECT BOUNDARY	
EXISTING EASEMENT	
PROPOSED PROPERTY LINE	
PROPOSED EASEMENT	
PROPOSED BUILDING	
200' MAX. HOSE PULL	
EXISTING WATER LINE	W(E) — EX. 6"W — W(E)
FIRE DEPARTMENT LINE (PROPOSED)	F — 6"FW — F
FIRE HYDRANT (E)	
FIRE HYDRANT (P)	
FIRE DEPARTMENT CONNECT (P)	
PRIVATE INGRESS EGRESS EASEMENT	PIEE
EMERGENCY ACCESS EASEMENT	EAE
PUBLIC SERVICE EASEMENT	PSE
EXISTING	(E)
PROPOSED	(P)

NOTE: LOT 10 RECORDED ACCESS EASEMENT DOCUMENT NUMBER: 25880870

30'/50' TURNING RADIUS

0 15 30 60
1 INCH = 30 FEET



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178 TWIN OAKS DRIVE
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FIRE ACCESS PLAN

7.1

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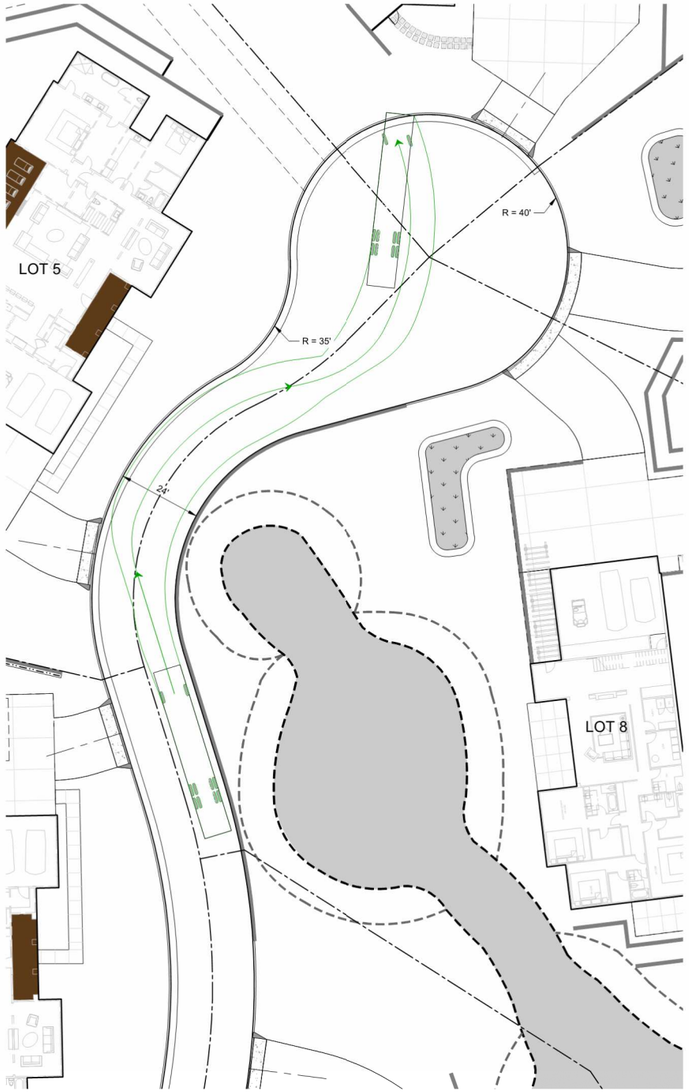
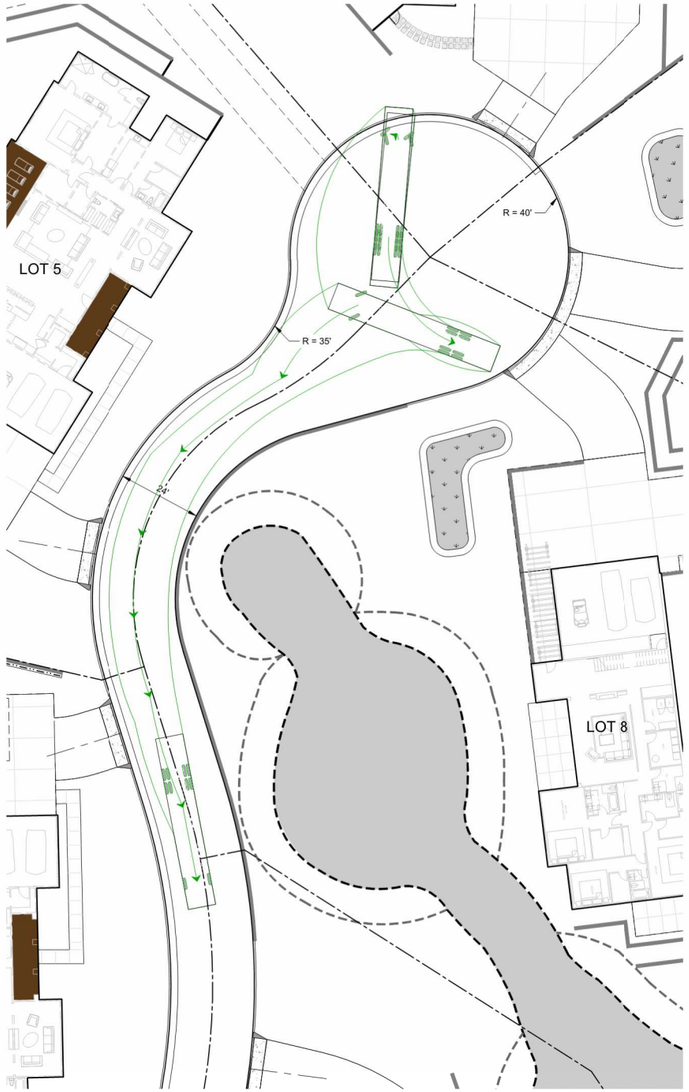


0 10 20 40

1 INCH = 20 FEET



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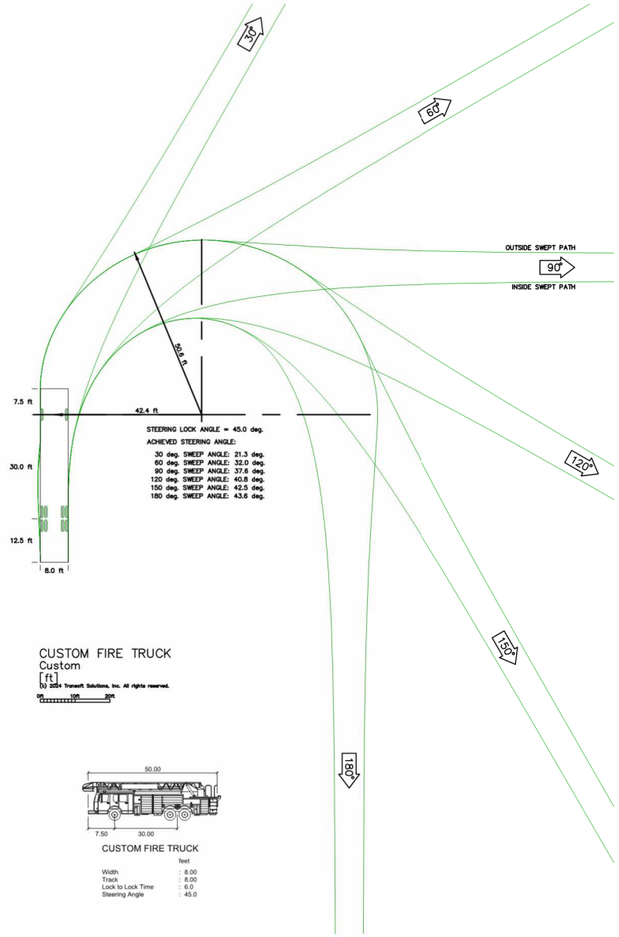
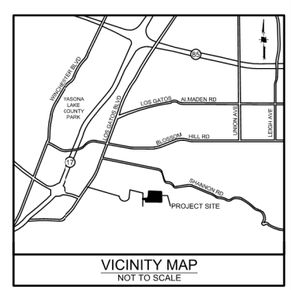
1 INCH = 20 FEET



CUSTOM FIRE TRUCK
Custom
[ft]
(b) 2024 Transoft Solutions, Inc. All rights reserved.

CUSTOM FIRE TRUCK

	feet
Width	: 8.00
Track	: 8.00
Lock to Lock Time	: 6.0
Steering Angle	: 45.0



VICINITY MAP
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FIRE TRUCK TURNAROUND

7.2

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SANTA CLARA COUNTY FIRE DEPARTMENT

1315 Dell Avenue, Campbell, CA 95008 | (408) 378-4010 | SCCFD.org

PLAN REVIEW No. 25 3804

BLDG PERMIT No.

DEVELOPMENTAL REVIEW COMMENTS

Plans and Scope of Review:

This project shall comply with the following:

The California Fire (CFC) & Building (CBC) Code, 2022 edition, as adopted by the Town of Los Gatos Town Code (LGTC), California Code of Regulations (CCR) and Health & Safety Code.

The scope of this project includes the following:
Request for exception to State Minimum Fire Safe Regulations for a new 7,699 SF two-story single family dwelling (Lot 10) as part of a 12 lots subdivision development.

Plan Status:
The Exception Request, per 14 CCR § 1270.06 is **APPROVED**.
Discussion:
This alternate proposes to mitigate deficiencies of required 20 feet roadway width per California Code of Regulations, Title 14, Division 1.5, Chapter 7, Subchapter 2 Articles 1-5, § 1273.01. and CFC Section 503. A 10 feet in length segment of roadway on Cerro Vista Dr that is less than the required 20 feet.

In order to mitigate the this noncompliant roadway width, the applicant proposes the following:
-Upgraded sprinkler system with additional heads in closets, bathrooms, attic and covered porch for the 7,699 SF SF house.
-4 heads hydraulic calculation sprinkler system will be provided.

Plan Review Comments:
-Make a note on building permit set coversheet that an approved AMMR/PRC 4290 request of exception is included and modified sprinkler system will be installed.
-A copy of the Alternate Means/Methods application form with approval signature shall be made part of the building permit drawing set, to be routed to Santa Clara County Fire Department for final approval
-A copy of this comment letter shall be made part of the building permit drawing set.

This review shall not be construed to be an approval of a violation of the provisions of the California Fire Code or of other laws or regulations of the jurisdiction. A permit presuming to give authority to violate or cancel the provisions of the fire code or other such laws or regulations shall not be valid. Any addition to or alteration of approved construction documents shall be approved in advance. [CFC, Ch.1, 105.3.6]

City LGA	PLANS ☐	SPECS ☐	NEW ☐	RMDL ☐	AS ☐	OCCUPANCY	CONST. TYPE	ApplicantName	DATE	PAGE
								Dodge Family - Pennant Properties	10/16/2025	1 OF 1

SEC/FLOOR	AREA	LOAD	PROJECT DESCRIPTION	PROJECT TYPE OR SYSTEM
			Residential Development	Exception Request - PRC-4290

NAME OF PROJECT	LOCATION
SFR	178 Twin Oaks Way Los Gatos

TABULAR FIRE FLOW	REDUCTION FOR FIRE SPRINKLERS	REQUIRED FIRE FLOW @ 20 PSI	BY
			Ip, Kenny

A California Fire Protection District serving Santa Clara County and the communities of Campbell, Cupertino, Los Altos, Los Altos Hills, Los Gatos, Monte Sereno, Saratoga and the surrounding unincorporated communities.

SANTA CLARA COUNTY FIRE DEPARTMENT
1315 Dell Avenue, Campbell, CA 95008 | (408) 378-4010 | SCCFD.org

Please complete the following information as applicable to support your request. Use additional paper if necessary.

1. Quality: PLEASE SEE ATTACHED LETTER
2. Strength:
3. Effectiveness:
4. Fire Resistance:
5. Durability:
6. Safety:

Additional evidence of proof:

Applicant Signature: Date: 15 AUG 2025

****

The above application has been reviewed and has been:

☒ **ACCEPTED** ☐ **REJECTED**

Signature:

Fire Official: BRAD FOX 2K2 (FOR AC ESTRADA) Date: 10/16/25

Building Official: Date:

DropBox/FirePrevention/Administrative/applications/bh/06.23.2025

SANTA CLARA COUNTY FIRE DEPARTMENT
1315 Dell Avenue, Campbell, CA 95008 | (408) 378-4010 | SCCFD.org

APPLICATION FOR USE OF ALTERNATE MATERIALS, METHODS OF CONSTRUCTION, OR MODIFICATION OF CODE

Project Street Address: 178 Twin Oaks Way

Project City: Los Gatos **Building Permit #** 25 1961

Applicant's Name: Dodge Family c/o Jim Foley/Pennant Properties

Applicant's Address: 223 W Main St Los Gatos CA 95030 Suite:

Phone Number: (408) 813-7490 Email: jimfoley@pennantproperties.com

The applicant hereby requests the following:

☒ Use of Alternate Materials or Method of Construction

☐ Modification of Code

Codes Affected:

☐ Building Code
☒ Fire Code
☐ Mechanical Code
☐ Electrical Code
☐ Other:

Specific section(s) of the code involved: California Code of Regulations, Title 14, Division 1.5, Chapter 7, Subchapter 2 Articles 1-5, § 1273.01, CFC Sec 503, PRC 4290.

Brief description of the request: Mitigate for a small section of roadway less than 20' wide to a new lot and potential dwelling.

The Building and Fire Official must evaluate information that the material(s), method of work, and / or modification is equal to the intent of the code in strength, effect, fire-resistance, durability, safety, etc.

6

HMH
Land Use Entitlements
Land Planning
Landscape Architecture
Civil Engineering
Utility Design
Land Surveying
Stormwater Compliance

1570 Oakland Road (408) 487-2200
San Jose, CA 95131 HMHca.com

SURREY FARM ESTATES
LOT 10 (S-24-032)
178 TWIN OAKS DRIVE
ARCHITECTURE & SITE REVIEW

NO	DATE	DESCRIPTION
6	10/24/2025	PER CITY COMMENTS
5	9/15/2025	PER CITY COMMENTS
4	7/25/2025	PER CITY COMMENTS
3	4/18/2025	PER CITY COMMENTS
2	3/31/2025	PER CITY COMMENTS

PROJECT NO:	4185.10
CAD DWG FILE:	418510FA_LOT 10.DWG
DESIGNED BY:	RM
DRAWN BY:	NW
CHECKED BY:	RH
DATE:	MAY 31ST, 2024
SCALE:	AS SHOWN

© HMH

FIRE AMMR

7.3

S:\PROJECTS\418510\PL\PERMIT\LOT 10\PERMIT\418510FA_LOT 10.DWG
PLOTTED: 10/24/2025 8:56 AM

PLANNING APPLICATION - LOT 10 (S-24-032) ARCHITECTURAL SUBMITTAL

OUR TEAM:

Applicant: Larry Dodge
Contact: Jim Foley
223 W. Main St, Los Gatos, CA 95030
408.813.7490

Architect: PLATFORM
Architecture+Planning
Contact: Chris Hall
chris@platformdw.com
1804 5th St
Berkeley, CA 94710
415.658.1723

Civil: HMH Engineers
Contact: Deena Morsilli
1570 Oakland Rd, San Jose, CA 95131
669.221.7817

Landscape: HMH Landscape
Contact: Shawn Taylor
1570 Oakland Rd, San Jose, CA 95131
408.487.2200

PROJECT DESCRIPTION / DATA:

Site Area: 17.55 acres
APN: 532-16-006
General Plan Landuse: AG

Proposed Project:

12 Lot Subdivision consisting of the following:
3 BMR units detached on 3 proposed lots
9 Proposed Market Rate Homes on proposed lots

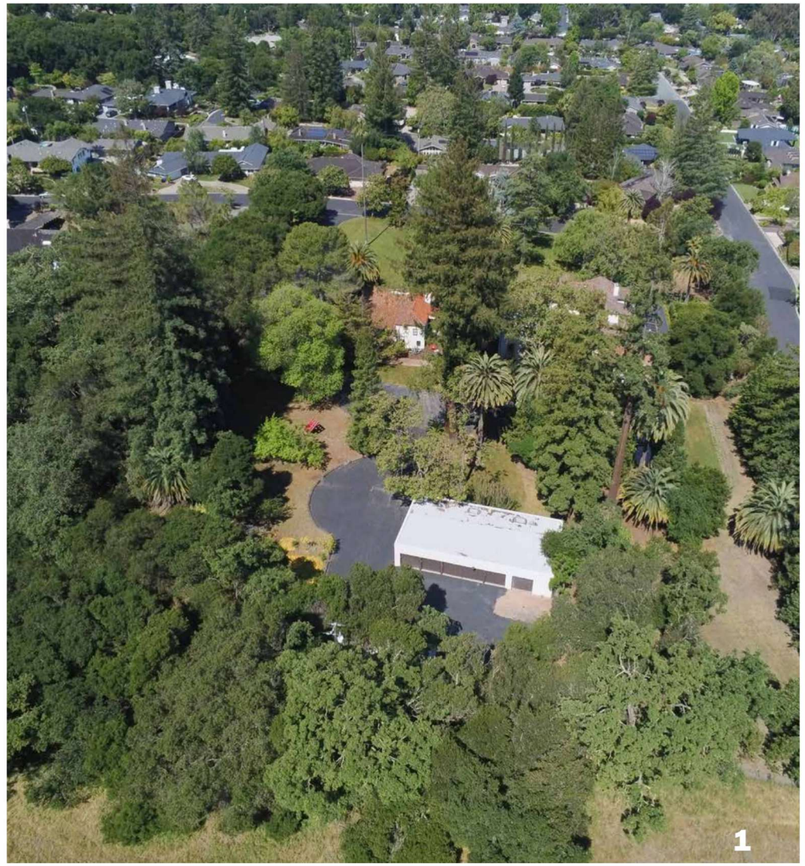
Lot 10 is a proposed as market rate and part of the 12 lot subdivision. See Civil Title Pg 1.0 for detailed Project Data.

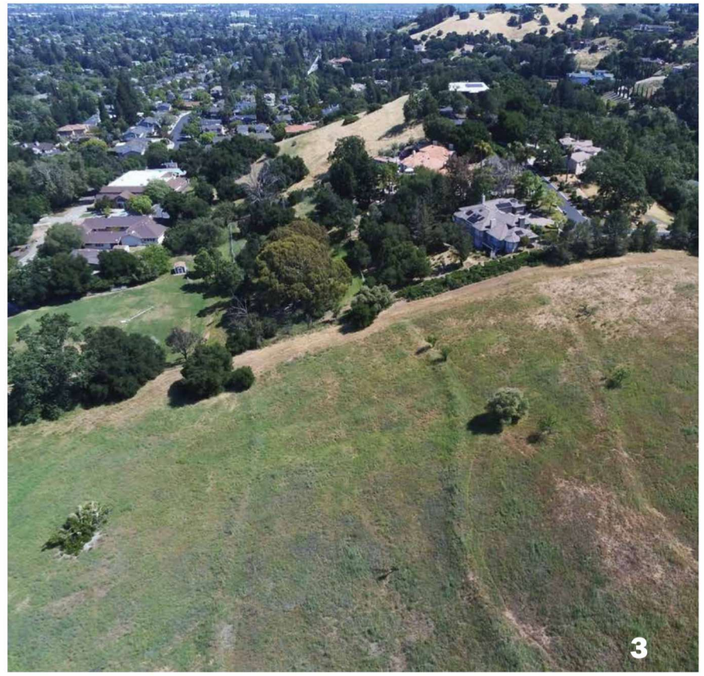
SHEET INDEX:

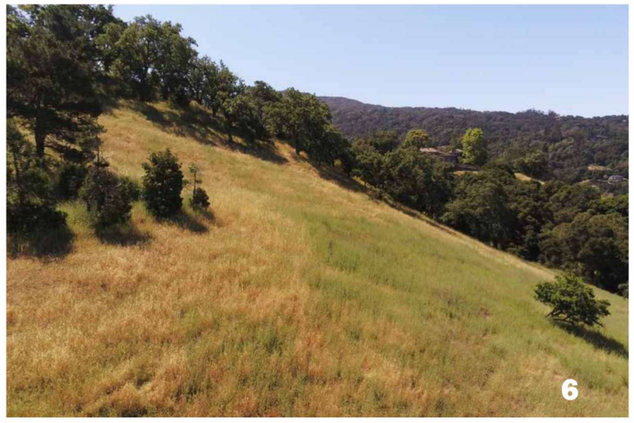
G0	Title Page / Project Info
G1.0	Existing Site Photos
A1.1	Site Plan and Ground Floor Plan
A1.2	Floor Plans
A1.3	Floor Plans
A2.1	Elevations / Color & Materials
A2.2	Elevations / Color & Materials
A3.0	Building Sections
A3.1	Street Elevations / Site Sections
A4.1	Shadow Analysis

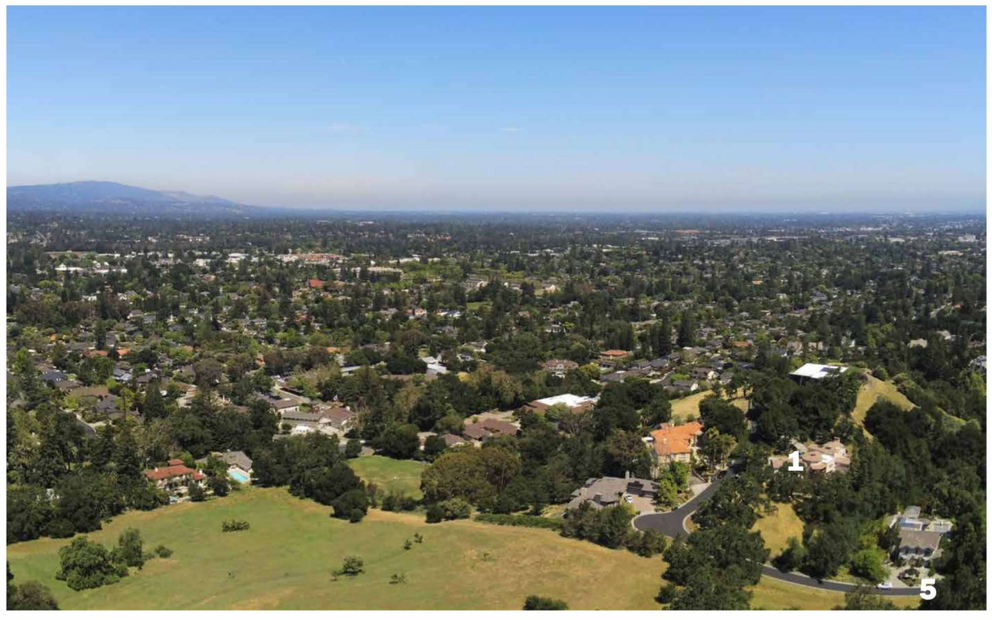
LOCATION PLAN:

VICINITY MAP:









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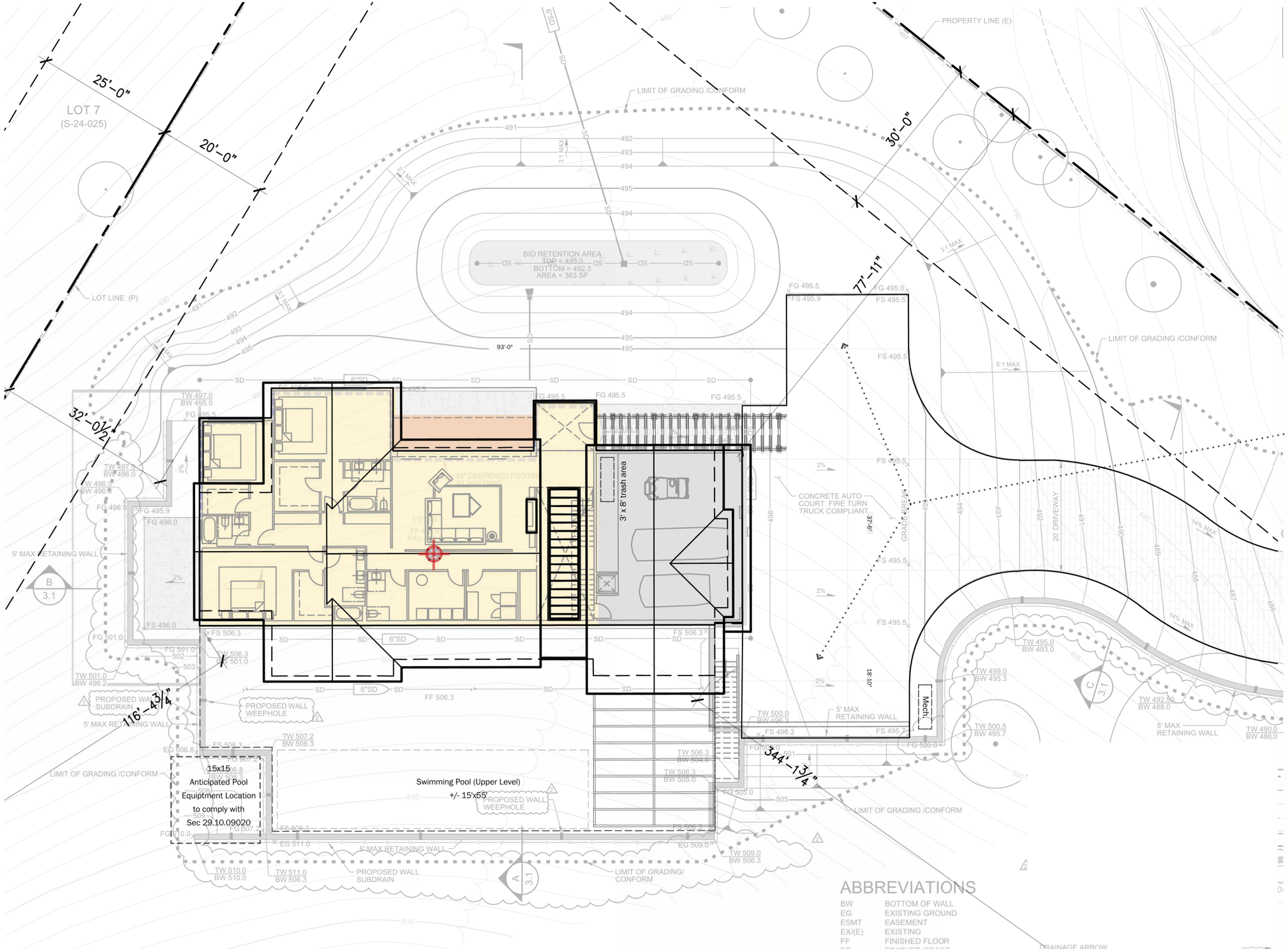
Existing Site Photos PG **G1.0**

SB 330 Final Application Re-Submittal - **July 28th, 2025**



Highest point of roof over natural grade (see Section A, A3.0)

Bldg Height Information Table

Lot #	Plan Type	Natural Grade at High Point	Proposed Grade At High oint	Main Level Bldg FFE	Top of Roof (above FFE)	Bldg Height
1	D	420	422.3	423.3	24.3	27.6
2	B	424	426.9	427.9	28.6	32.5
3	B	425	433.4	434.4	28.6	38
4	A(R)	424	434.2	435.2	26	37.2
5	A	418.5	432.4	433.4	26	40.9
6	A	425.5	432.3	433.3	26	33.8
7	C	455	448.9	449.9	26.8	27.8
8	C	445	438.8	439.8	26.8	27.8
9	C	456	449	450	26.8	27.8
10	C	502	495.6	496.6	26.8	27.8
11	D	420.5	422.9	423.9	24.3	27.7
12	D	421	423	424	24.3	27.3

*Flretruck Turnaround, turnaround shall be provided an approved metal, all weather sign or other approved notices or markings that shall include the words "NO PARKING – FIRE DEPARTMENT TURNAROUND". Turn-arounds located on parcels shall be provided with a sign at the entrance to the parcel that shall include the words "FIRE DEPARTMENT TURNAROUND ON SITE". Installations shall conform to Fire Department Standard Details and Specifications sheet D-1.

0 8 16 24

1" = 8' *at full size (36 x 24")*

Plan Type C

Floor	Cond. Area	Covered Deck/Porch	Garage
Ground Fl	2,585 sf	152 sf	775 sf
2nd Fl	3,571 sf	616 sf	
Total	**6,156 sf**	**768 sf**	**775 sf**

ABBREVIATIONS

BW	BOTTOM OF WALL
EG	EXISTING GROUND
ESMT	EASEMENT
EX/(E)	EXISTING
FF	FINISHED FLOOR

DRAINAGE ARROW

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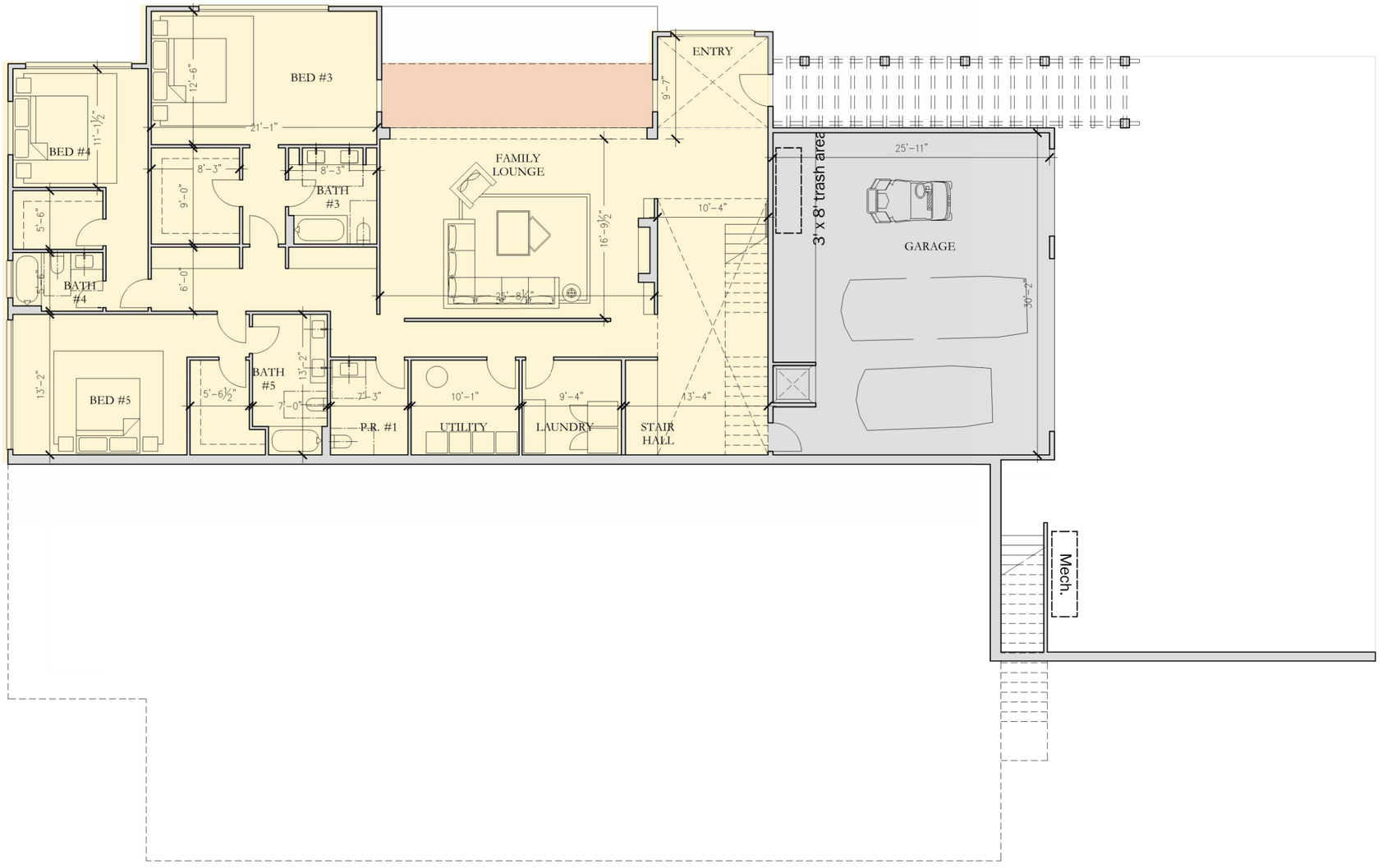
Los Gatos, CA

Lot 10 - Siteplan & Lower Level Floor Plan

PG **A1.1**

SB 330 Final Application Re-Submittal - **Aug 14th, 2025**



Ground Floor Plan

0 6 12 18

3/16" = 1' *at full size (36 x 24")*

Plan Type C			
Floor	Cond. Area	Covered Deck/Porch	Garage
Ground Fl	2,585 sf	152 sf	775 sf
2nd Fl	3,571 sf	616 sf	
Total	**6,156 sf**	**768 sf**	**775 sf**

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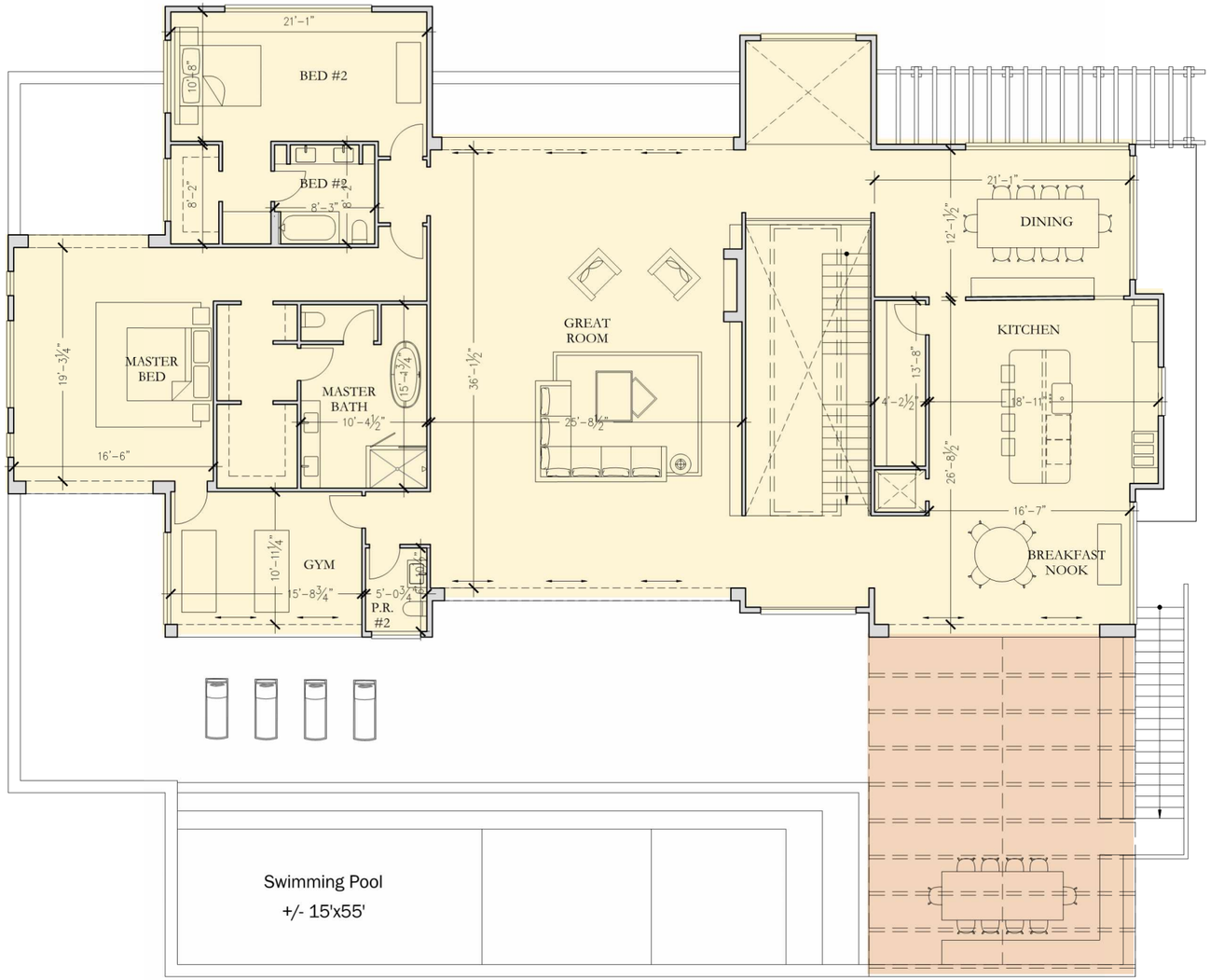
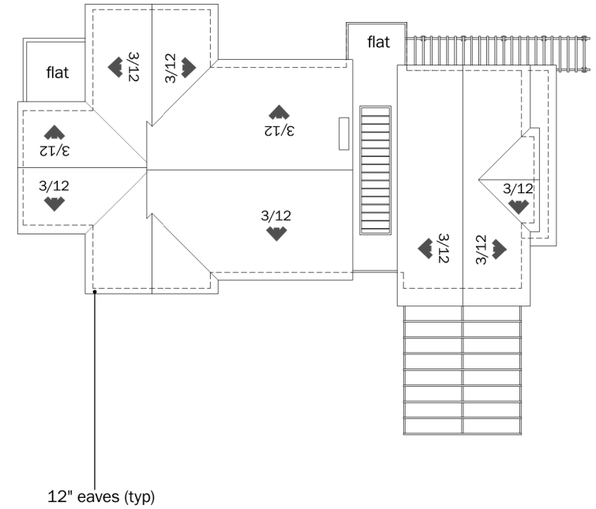
Lot 10 - Floor Plans PG **A1.2**

SB 330 Final Application Re-Submittal - **July 28th, 2025**



2nd Floor Plan



Roof Plan (NTS)

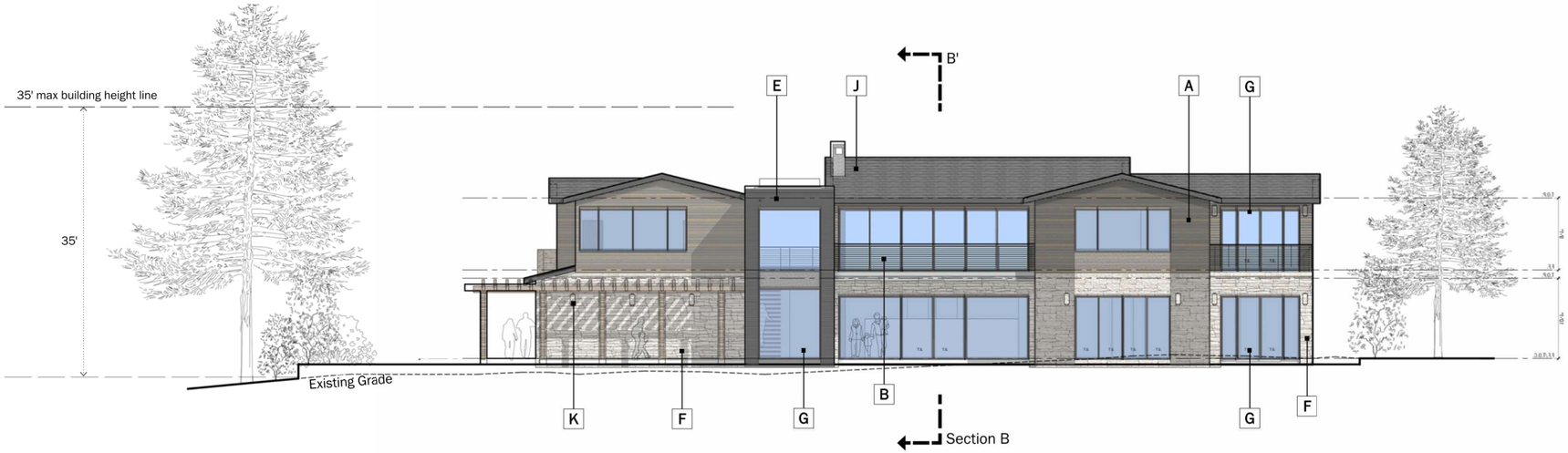
0 6 12 18

3/16" = 1' *at full size (36 x 24")*

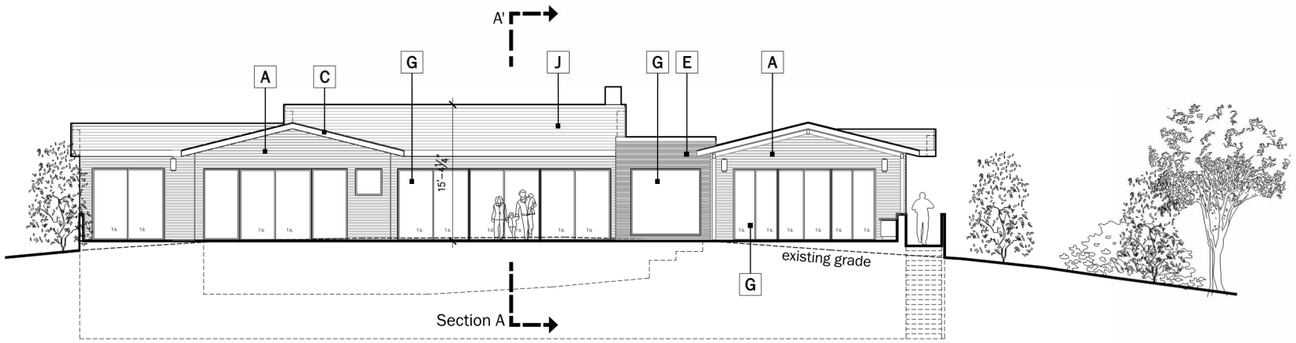
Plan Type C			
Floor	Cond. Area	Covered Deck/Porch	Garage
Ground Fl	2,585 sf	152 sf	775 sf
2nd Fl	3,571 sf	616 sf	
Total	**6,156 sf**	**768 sf**	**775 sf**

NOTES:

1. Area of stair is counted towards 2nd Fl SF Area - not on ground floor
2. Once an attic space exceeds seven (7) feet six (6) inches in height, all areas down to five (5) feet will be counted toward the floor area ratio. (see section no attic space qualifies on this plan)



West Elevation



East Elevation

NOTES:

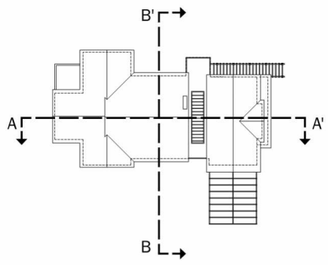
Building Height shown on elevations for reference only and is shown as height from finished grade to top of roof, please see section pages for height per LG Municode definition

Exterior Lighting

Sec. 29.10.09015. - All permanent exterior light fixtures should utilize shields so that no bulb is visible and to ensure that light is directed to the ground surface and does not spill light onto neighboring parcels or produce glare when seen from nearby homes.

0 8 16 24

1" = 8' *at full size (36 x 24")*



A Wood Siding

30 LRV Horizontal Wood Siding
Weathered Cedar
Clear Satin

B Painted Metal Railing

LRV 10 Architectural Grade Painted Metal

C Painted Trim

LRV 30 Accent Trim and Barge Boards See Body Color for Paint Finish

D Cedar Posts

Weathered Finish to meet min LRV 30 standards

E Stone Veneer

Natural Stone Exterior Tile.
Flemish Bond

F Stone Veneer Accent

30 LRV Manufactured Stone Veneer
El Dorado 'Sierra Cut'

G Fiberglass Windows

LRV 10 Slim Profile Section

H Painted Entry Door

Varies - Min LRV 30

I Roll-Up Garage Door

LRV 10 Decorative Metal Roll Up Garage Door with Glass Lites

J Concrete Tile Roofs

LRV 20 Concrete Flat Tile Roof with Metal Accent Roofs.

K Wall Sconce 1

Rejuvenation 'Dyer' Sconce

L Wall Sconce 2

'Allegheny' - Outdoor Wall Sconce

M Wall Sconce 3

Rejuvenation 'Silas' Outdoor Wall Sconce

1 Body Color 1

LRV 10%

2 Body Color 2

LRV 30%

3 Body Color 3

LRV 20%

0 8 16 24

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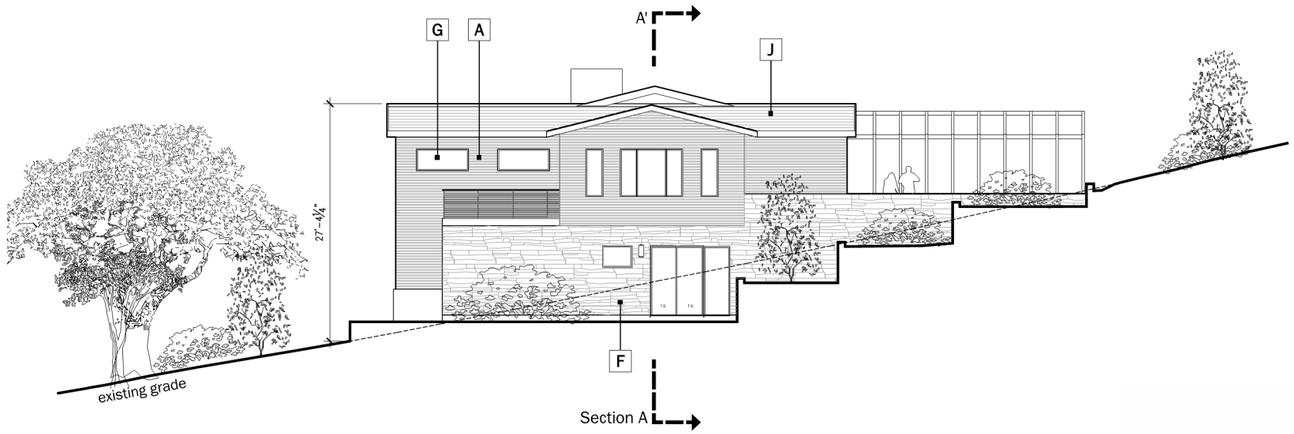
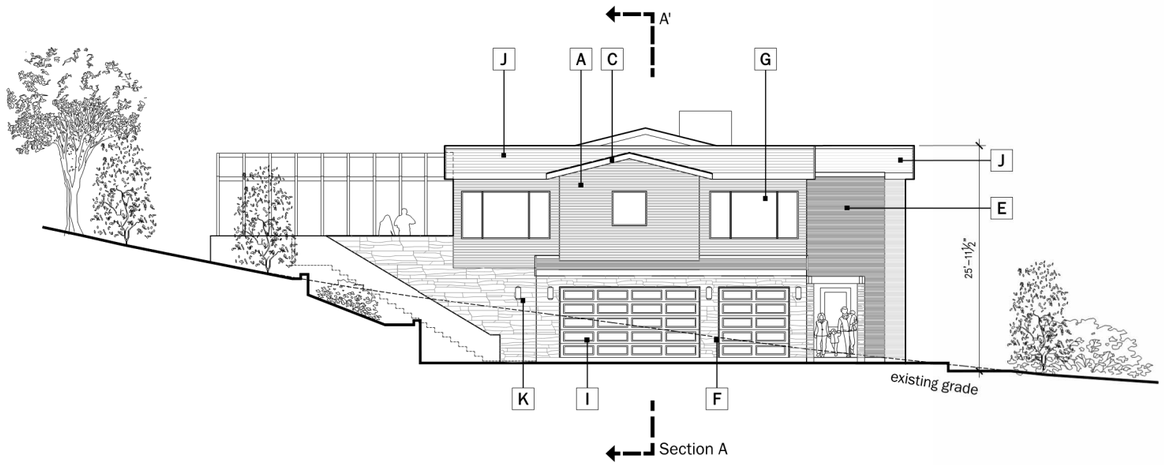
Elevations Lot 10 PG **A2.1**

SB 330 Final Application Re-Submittal - **July 28th, 2025**



South Elevation



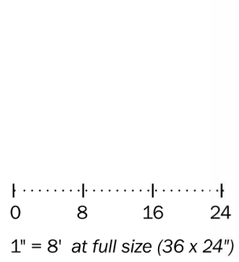
North Elevation

NOTES:

Building Height shown on elevations for reference only and is shown as height from finished grade to top of roof, please see section pages for height per LG Municode definition

Exterior Lighting

Sec. 29.10.09015. - All permanent exterior light fixtures should utilize shields so that no bulb is visible and to ensure that light is directed to the ground surface and does not spill light onto neighboring parcels or produce glare when seen from nearby homes.



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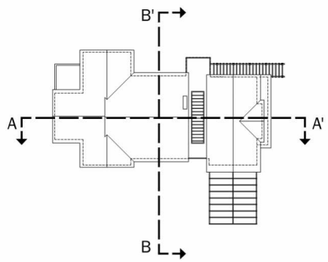

A Wood Siding

30 LRV Horizontal Wood Siding
Weathered Cedar
Clear Satin

B Painted Metal Railing

LRV 10 Architectural Grade Painted Metal

C Painted Trim

LRV 30 Accent Trim and Barge Boards
See Body Color for Paint Finish

D Cedar Posts

Weathered Finish to meet min LRV 30 standards

E Stone Veneer

Natural Stone Exterior Tile.
Flemish Bond

F Stone Veneer Accent

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El Dorado 'Sierra Cut'

G Fiberglass Windows

LRV 10 Slim Profile Section

H Painted Entry Door

Varies - Min LRV 30

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J Concrete Tile Roofs

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K Wall Sconce 1

Rejuvenation 'Dyer' Sconce

L Wall Sconce 2

'Allegheny' - Outdoor Wall Sconce

M Wall Sconce 3

Rejuvenation 'Silas' Outdoor Wall Sconce

1 Body Color 1

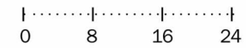
LRV 10%

2 Body Color 2

LRV 30%

3 Body Color 3

LRV 20%



1" = 8' *at full size (36 x 24")*

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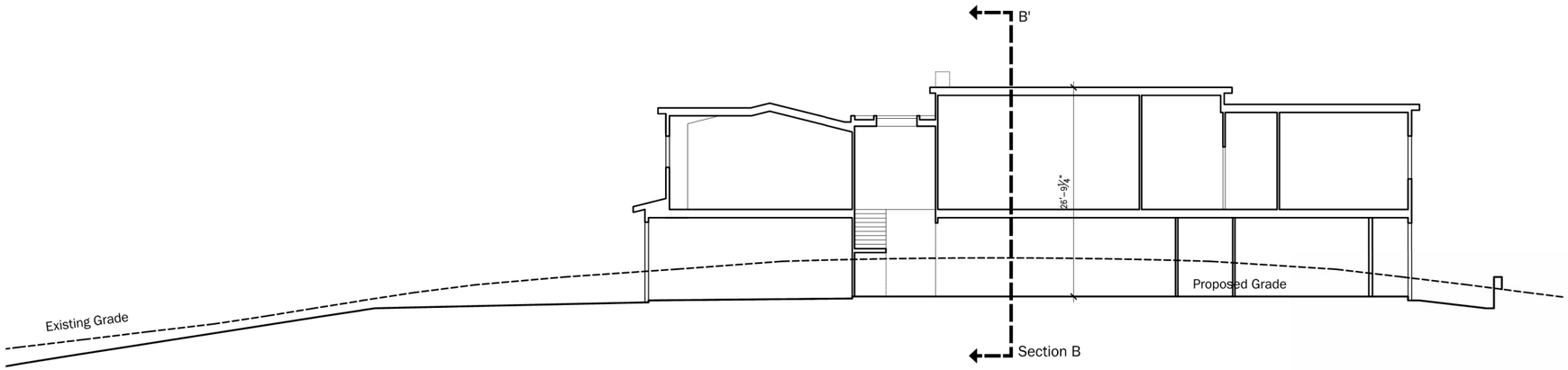
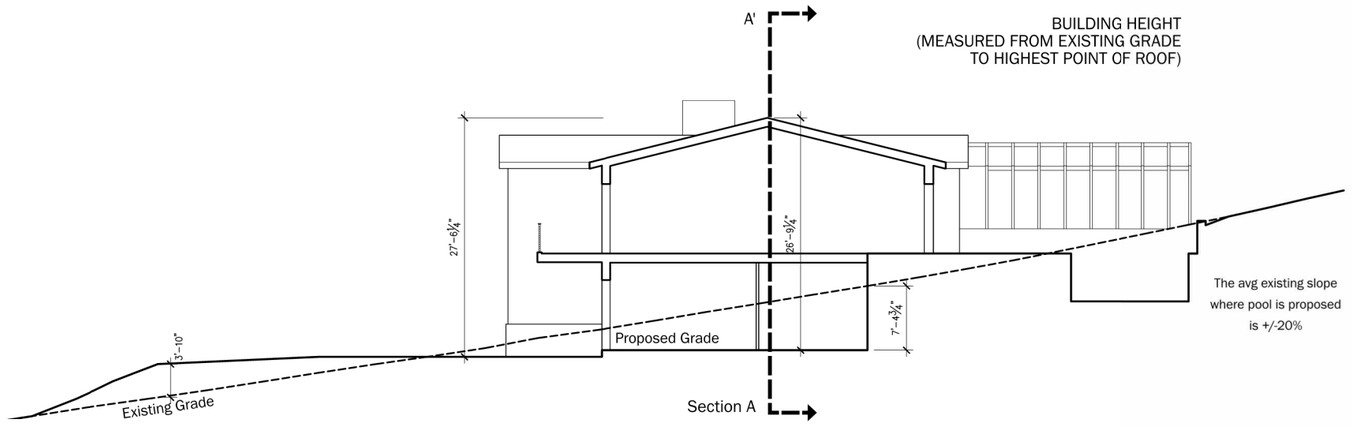
Elevations Lot 10 PG **A2.2**

SB 330 Final Application Re-Submittal - **July 28th, 2025**



Section A - A'



Section B - B'

NOTES:

Building Height is measured from the natural or finished grade, whichever is lower, to the uppermost point directly above that grade.

Exterior Lighting

Sec. 29.10.09015. - All permanent exterior light fixtures should utilize shields so that no bulb is visible and to ensure that light is directed to the ground surface and does not spill light onto neighboring parcels or produce glare when seen from nearby homes.

0 8 16 24

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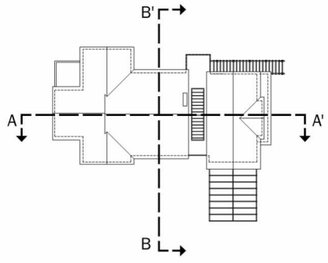

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LRV 10 Architectural Grade Painted Metal

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Rejuvenation 'Dyer' Sconce

L Wall Sconce 2

'Allegheny' - Outdoor Wall Sconce

M Wall Sconce 3

Rejuvenation 'Silas' Outdoor Wall Sconce

1 Body Color 1

LRV 10%

2 Body Color 2

LRV 30%

3 Body Color 3

LRV 20%

0 8 16 24

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Los Gatos, CA

Sections Lot 10 PG **A3.0**

SB 330 Final Application Re-Submittal - **July 28th, 2025**

Street Elevation

Bldg Height Information Table

Lot #	Plan Type	Natural Grade at High Point	Proposed Grade At High oint	Main Level Bldg FFE	Top of Roof (above FFE)	Bldg Height
1	D	420	422.3	423.3	24.3	27.6
2	B	424	426.9	427.9	28.6	32.5
3	B	425	433.4	434.4	28.6	38
4	A(R)	424	434.2	435.2	26	37.2
5	A	418.5	432.4	433.4	26	40.9
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7	C	455	448.9	449.9	26.8	27.8
8	C	445	438.8	439.8	26.8	27.8
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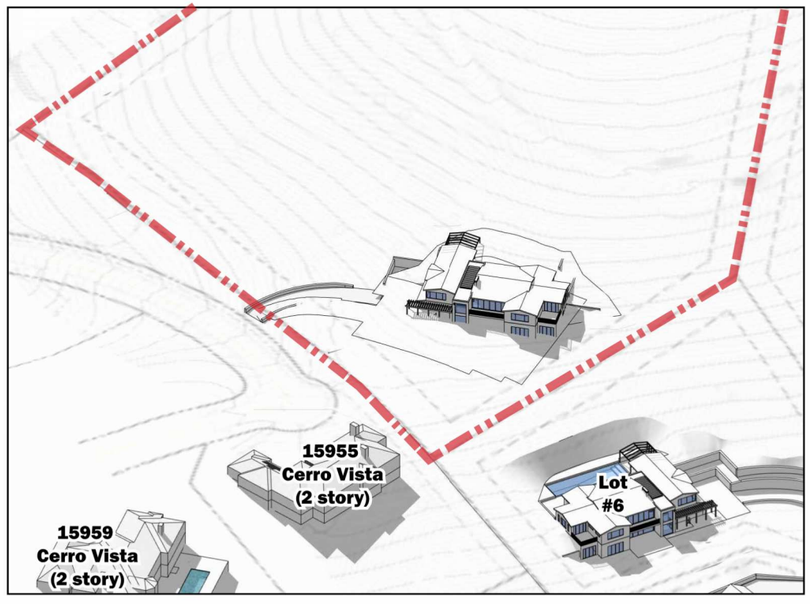
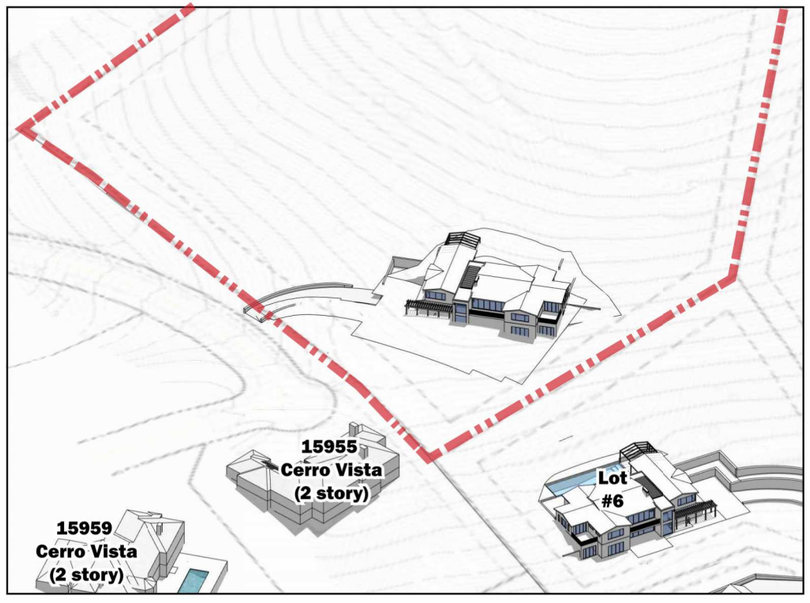
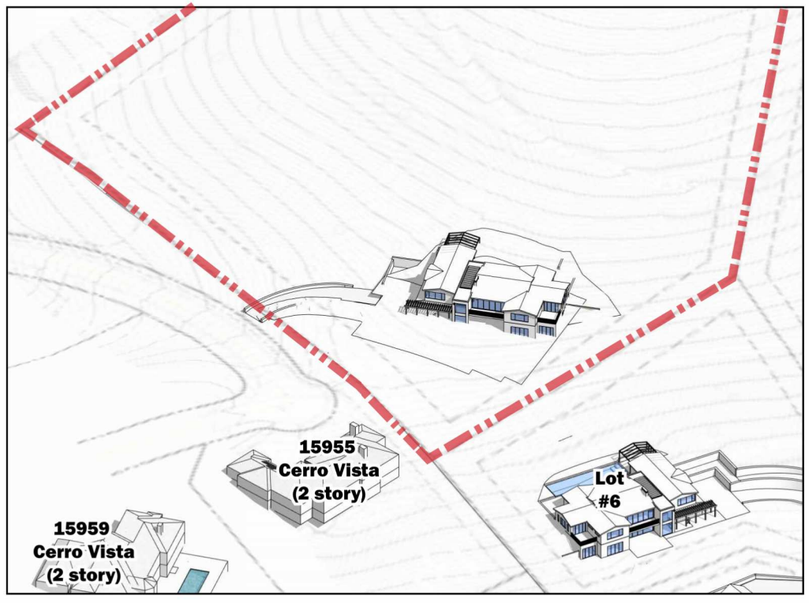
10	C	502	495.6	496.6	26.8	27.8
11	D	420.5	422.9	423.9	24.3	27.7
12	D	421	423	424	24.3	27.3



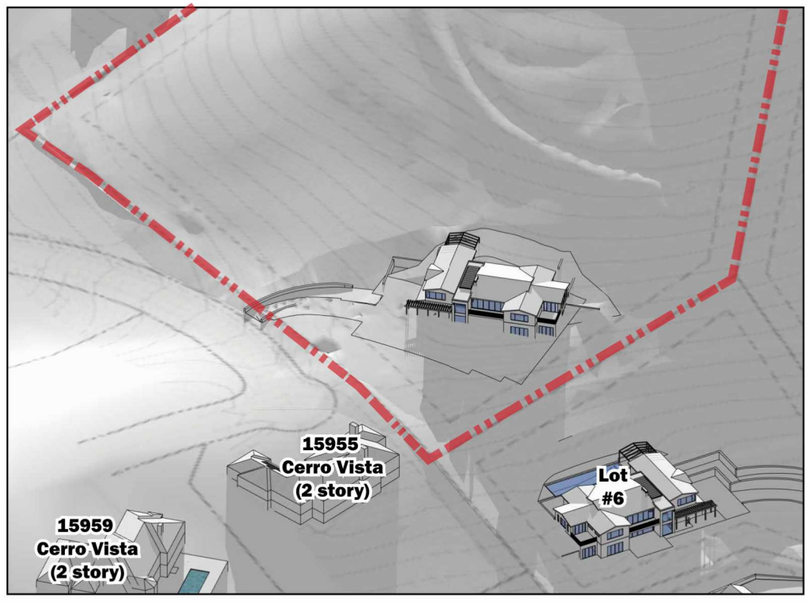
June 21st 9 AM



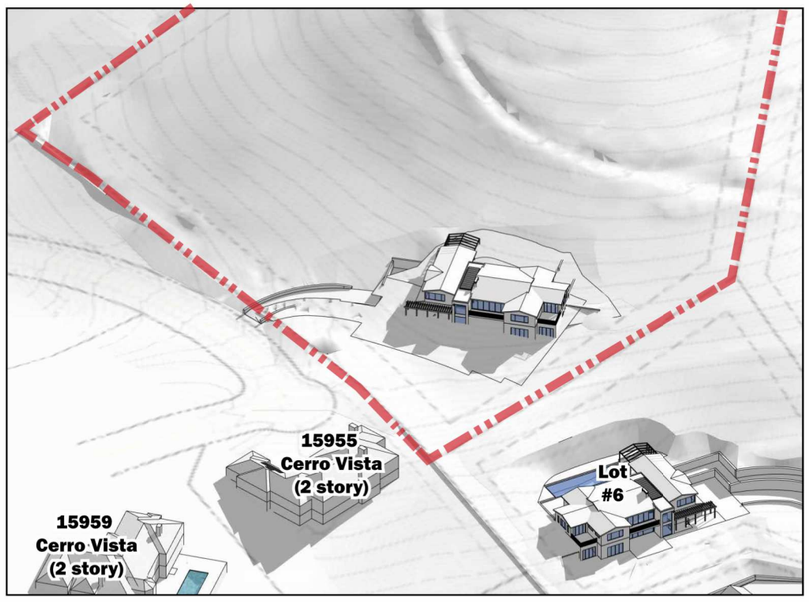
June 21st 12 PM



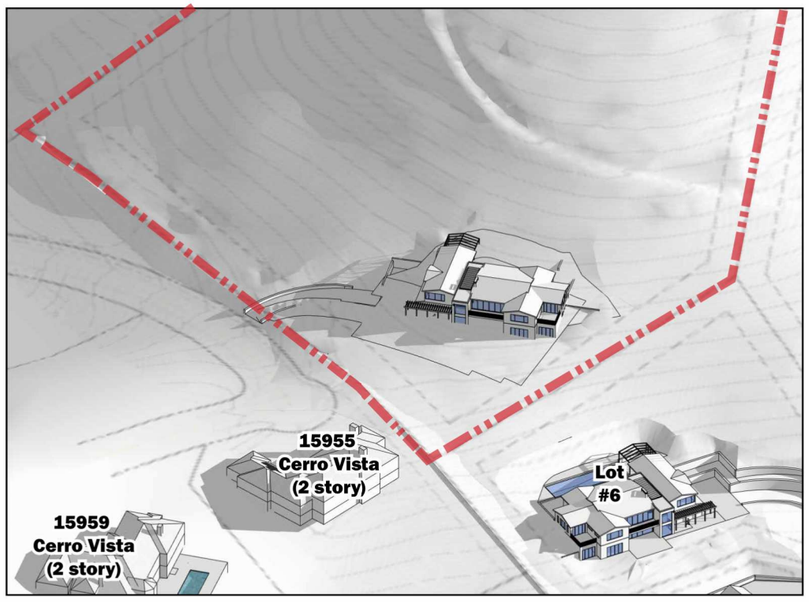
June 21st 3 PM



December 21st 9 AM



December 21st 12 PM



December 21st 3 PM

NOTES:
1. SEE SHEET T-2 AND T-3 FOR TREE EVALUATION TABLE.
2. SEE SHEET T-4 AND T-5 FOR TREE APPRAISAL TABLE.
3. SEE SHEET T-6 FOR TREE PROTECTION FENCING DETAIL AND NOTES.

LEGEND

DESCRIPTION	SYMBOL
ON-SITE TREE TO REMAIN / PROTECT	
TREE TO BE REMOVED	
OFF-SITE TREE TO REMAIN / PROTECT	
TREE PROTECTION FENCING AND TPZ (SEE DETAIL ON SHEET T-4)	
PROPOSED TREES. SEE LANDSCAPE PLAN AND LANDSCAPE LEGEND	

ON-SITE TREE MITIGATION TABLE

	CANOPY SIZE	QTY	REPLACEMENT REQUIREMENT	QUANTITY REQUIRED
TOTAL NUMBER OF TREES TO BE REMOVED	< 10'	13	TWO - 24" BOX	26 - 24" BOX
	11' - 25'	5	THREE - 24" BOX	15 - 24" BOX
	26' - 40'	1	FOUR - 24" BOX OR TWO - 36" BOX	2 - 36" BOX
	41' - 55'	0	SIX- 24" BOX OR THREE- 36" BOX	0 - 36" BOX
	> 55'	0	TEN - 24" BOX OR FIVE- 36" BOX	0 - 36" BOX

- IF QUANTITY OF PROPOSED TREES ARE NOT EQUAL TO OR GREATER THAN REQUIRED TREES, THE PROJECT IS SUBJECT TO MITIGATION FEES PER TOWN OF LOS GATOS POLICY.
- SEE ARBORIST REPORT, DATED DECEMBER 15, 2024, REVISED JUNE 4, 2025 FOR ADDITIONAL INFORMATION.

TREE MITIGATION SUMMARY TABLE

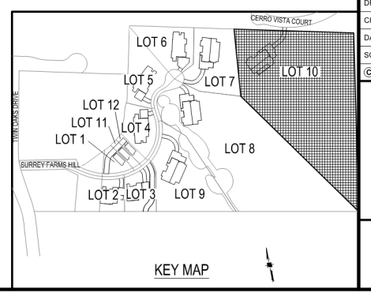
	QUANTITY	SIZE
TOTAL TREES REQUIRED TO MEET MITIGATION REQUIREMENTS ON-SITE	41	24" BOX
	2	36" BOX
TOTAL PROPOSED TREES ON-SITE (NOT INCLUDING STREET TREES)	4	24" BOX
	9	36" BOX
REMAINING NUMBER OF TREES NOT BEING MITIGATED FOR	37	24" BOX
	0	36" BOX

NOTES:
1. TREE REMOVAL SHALL BE BY CONTRACTOR.
2. SEE TREE EVALUATION SUMMARY FOR INFORMATION INCLUDING SPECIES AND DIAMETER.
3. CONTRACTOR TO VERIFY ACTUAL CANOPY CLEARANCES WITHIN 100' OF EVERY HOME. UNDER ARBORIST SUPERVISION, PRUNE AND TRIM TREES WITHIN ACCORDANCE ON TREE SPACING DIAGRAM ON SHEET 10.1.

EXISTING TREES TO REMAIN AND PROTECT

EXISTING ON-SITE TREES TO REMAIN / PROTECT	184

GRAPHIC SCALE
30 0 15 30 60 120
(In Feet)
1 inch = 30 feet



KEY MAP

HMH
Land Use Entitlements
Land Planning
Landscape Architecture
Civil Engineering
Utility Design
Land Surveying
Stormwater Compliance
1570 Oakland Road (408) 487-2200
San Jose, CA 95131 HMHca.com

SURREY FARMS ESTATES
TWIN OAKS DRIVE, LOS GATOS
DEVELOPMENT REVIEW PLAN SET
LOT 10 | APP #S-24-032

NO	DATE	DESCRIPTION
5	9/15/2025	PER CITY COMMENTS
4	7/25/2025	PER CITY COMMENTS
3	4/18/2025	PER CITY COMMENTS
2	3/31/2025	PER CITY COMMENTS
1	1/8/2025	PER CITY COMMENTS

PROJECT NO:	4185.10
CAD DWG FILE:	418510CL - LOT 10.DWG
DESIGNED BY:	JN
DRAWN BY:	JN
CHECKED BY:	ST
DATE:	JUNE 6, 2025
SCALE:	1"=20'
© HMH	

TREE MITIGATION AND PROTECTION PLAN

T-1

S:\PROJECTS\418510\LA\PLANNING\418510CL - LOT 10.DWG

PLOTTED: 9/15/2025 9:18 PM

TREE EVALUATION NOTES:
*SEE SHEET T-6 FOR TREE PROTECTION REQUIREMENT DETAILS

**REASON FOR REMOVAL
1. THE TREE IS DEAD, SEVERELY DISEASED, DECAYED OR DISFIGURED TO SUCH AN EXTENT THAT THE TREE IS UNABLE TO RECOVER OR RETURN TO A HEALTHY AND STRUCTURALLY SOUND CONDITION.
2. THE TREE HAS A TREE RISK RATING OF EXTREME OR HIGH ON THE ISA TREE RISK RATING MATRIX AS SET FORTH IN THE ISA TREE RISK ASSESSMENT BEST MANAGEMENT PRACTICES, OR SUCCESSOR PUBLICATION.
3. THE TREE IS CROWDING OTHER PROTECTED TREES TO THE EXTENT THAT REMOVAL OR SEVERE PRUNING IS NECESSARY TO ENSURE THE LONG-TERM VIABILITY OF ADJACENT AND MORE SIGNIFICANT TREES.
4. THE RETENTION OF THE TREE RESTRICTS THE ECONOMIC ENJOYMENT OF THE PROPERTY OR CREATES AN UNUSUAL HARDSHIP FOR THE PROPERTY OWNER BY SEVERELY LIMITING THE USE OF THE PROPERTY IN A MANNER NOT TYPICALLY EXPERIENCE BY OWNERS OF SIMILARLY SITUATED PROPERTIES, AND THE APPLICANT HAS DEMONSTRATED TO THE SATISFACTION OF THE DIRECTOR OR DECIDING BODY THAT THERE ARE NO REASONABLE ALTERNATIVES TO PRESERVE THE TREE.

LOT 10
TREE EVALUATION TABLE

Tree-ID	Existing Tree Tag Number	SPP	protected	DBH_IN	CIRC_IN	HEIGHT_FT	SPREAD N/S_FT	SPREAD E/W_FT	Species Rate To Const Impact	NOTE	PROTECTED	LARGE PROTECTED	HEALTH RATING	STRUCTURE RATING	COND OVRL RATING	ROOTB	Tolerance Rate To Const Impact	construction Numeronym	COND OVRL w Const Impact	CRZ_FT_R ADIUS	TPZ_FT_R ADIUS DBH x15	COND OVRL w Const Impact	MOC	Min Offset_IN	Min Depth_IN	RETENTION RATING	HVWIRES	Inv_Date	INSPECT_ DT	Inspect_ TM	Notes	SAVE, REMOVE, OFF-SITE	REASON FOR REMOVAL**	TREE PROTECTION REQUIREMENT*
182		Pinus brutia var. eldarica		9	28.27433388	24	10	4		Severe Decline	X		2	2	2	No	M-G	4	3	4.5	11.25		HDD	9	#N/A	MODERATE	0	40375	41878	22:33:34		SAVE		Type 1
183		Pinus brutia var. eldarica	X	11	34.55751919	22	7	6		Severe Decline	X		3	2	2.5	No	M-G	4	3.25	5.5	13.75		HDD	11	#N/A	MODERATE	nsmission and Prim	40140	41866	11:50:53	topped	SAVE		Type 1
184		Pinus brutia var. eldarica	X	14	43.98229715	28	13	10		Dead Wood	X		2	2	2	No	M-G	4	3	7	17.5		HDD	14	#N/A	MODERATE	None	40140	41866	11:50:53		SAVE		Type 1
185		Pinus brutia var. eldarica		6	18.84955592	22	5	6		Severe Decline	X		3	2	2.5	No	M-G	4	3.25	3	7.5		HDD	6	#N/A	MODERATE	nsmission and Prim	40140	41866	11:50:53	topped	SAVE		Type 1
186	149	Pinus brutia var. eldarica		7	21.99114858	25	8	6		Severe Decline	X		2	2	2	No	M-G	4	3	3.5	8.75		HDD	7	#N/A	MODERATE	nsmission and Prim	40140	41866	11:50:53	topped	SAVE		Type 1
187	150	Pinus brutia var. eldarica	X	11	34.55751919	25	12	5		Poor Tree Structure	X		4	3	3.5	No	M-G	4	3.75	5.5	13.75		HDD	11	#N/A	HIGH	nsmission and Prim	40136	41866	11:50:53	topped	SAVE		Type 1
188	151	Pinus brutia var. eldarica	X	11	34.55751919	26	8	6		Severe Decline	X		3	2	2.5	No	M-G	4	3.25	5.5	13.75		HDD	11	#N/A	MODERATE	nsmission and Prim	40136	41866	11:50:53	topped	SAVE		Type 1
189	152	Pinus brutia var. eldarica	X	10	31.41592654	32	8	10			X		4	4	4	No	M-G	4	4	5	12.5		HDD	10	#N/A	HIGH	nsmission and Prim	40136	41866	11:50:53	topped; cavity/decay	SAVE		Type 1
190	153	Pinus brutia var. eldarica	X	11	34.55751919	25	13	10		Severe Decline	X		3	2	2.5	No	M-G	4	3.25	5.5	13.75		HDD	11	#N/A	MODERATE	nsmission and Prim	40140	41866	11:50:53	topped	REMOVE	1	
191		Pinus brutia var. eldarica		4	12.56637061	6	4	4		Severe Decline	X		2	2	2	No	M-G	4	3	2	5		HDD	4	#N/A	MODERATE	nsmission and Prim	40140	41866	11:50:53	topped	REMOVE	3	
192	154	Pinus brutia var. eldarica	X	18	56.54866776	35	16	18			X		4	4	4	No	M-G	4	4	9	22.5		HDD	18	#N/A	HIGH	nsmission and Prim	40140	41866	11:50:53	topped; multi-stemmed	SAVE		Type 1
193	155	Pinus brutia var. eldarica		5	15.70796327	23	6	10			X		4	4	4	No	M-G	4	4	2.5	6.25		HDD	5	#N/A	HIGH	nsmission and Prim	40140	41866	11:50:53	topped; multi-stemmed	SAVE		Type 1
194	594	Calocedrus decurrens		8	25.13274123	23	8	10			X		4	4	4	No	M	3	3.5	4	10		HDD	8	#N/A	HIGH	nsmission and Prim	40140	41866	11:50:53	topped; multi-stemmed	SAVE		Type 1
195	156	Pinus brutia var. eldarica	X	13	40.8407045	27	15	18			X		4	3	3.5	No	M-G	4	3.75	6.5	16.25		HDD	13	#N/A	HIGH	nsmission and Prim	40140	41866	11:50:53		SAVE		Type 1
196	157	Calocedrus decurrens		8	25.13274123	24	8	10			X		5	5	5	No	M	3	4	4	10		HDD	8	#N/A	HIGH	nsmission and Prim	40140	41866	11:50:53	branch decay; borers	SAVE		Type 1
197		Calocedrus decurrens		6	18.84955592	15	8	6			X		2	2	2	No	M	3	2.5	3	7.5		HDD	6	#N/A	LOW	nsmission and Prim	40140	41866	11:50:53	topped	SAVE		Type 1
199	158	Pinus brutia var. eldarica	X	11	34.55751919	30	13	17			X		4	4	4	No	M-G	4	4	5.5	13.75		HDD	11	#N/A	HIGH	nsmission and Prim	40141	41866	11:50:53		SAVE		Type 1
200		Pinus brutia var. eldarica	X	12	37.69911184	31	8	10			X		4	4	4	No	M-G	4	4	6	15		HDD	12	#N/A	HIGH	None	40141	41866	11:50:53		SAVE		Type 1
202	161	Quercus lobata	X	60	188.4955592	43	46	42				X	4	3	3.5	No	M	3	3.25	30	75		HDD	60	#N/A	MODERATE	nsmission and Prim	40141	41866	11:50:53	trunk decay	SAVE		Type 1
203	160	Quercus lobata	X	17	53.40707511	26	34	35			X		3	4	3.5	No	M	3	3.25	8.5	21.25		HDD	17	#N/A	MODERATE	nsmission and Prim	40141	41794	16:38:39	Mex. fan; volunteers nearby	REMOVE	4	
204	163	Quercus lobata	X	10	31.41592654	19	10	5			X		4	3	3.5	No	M	3	3.25	5	12.5		HDD	10	#N/A	MODERATE	nsmission and Prim	40141	41794	16:38:39		REMOVE	4	
205	164	Quercus lobata		7	21.99114858	23	12	7		Severe Decline	X		2	2	2	No	M	3	2.5	3.5	8.75		HDD	7	#N/A	LOW	nsmission and Prim	40141	41794	16:38:39		REMOVE	1	
206	383	Quercus lobata	X	21	65.97344573	30	32	37		Dead Wood	X		3	3	3	No	M	3	3	10.5	26.25		HDD	21	#N/A	MODERATE	nsmission and Prim	40136	41866	11:50:53		SAVE		Type 1
207	165	Quercus agrifolia		9	28.27433388	16	12	13			X		5	5	5	No	G	5	5	4.5	11.25		HDD	9	#N/A	HIGH	Primary	40136	41866	11:50:53		SAVE		Type 1
208		Quercus lobata	X	11	34.55751919	24	15	18			X		3	3	3	No	M	3	3	5.5	13.75		HDD	11	#N/A	MODERATE	None	40136	41866	11:50:53		SAVE		None
209	167	Quercus agrifolia	X	28	87.9645943	41	36	43				X	4	3	3.5	No	G	5	4.25	14	35		HDD	28	#N/A	HIGH	None	40136	41866	11:50:53		SAVE		None
210		Quercus lobata	X	18	56.54866776	34	20	15		Severe Decline	X		2	2	2	No	M	3	2.5	9	22.5		HDD	18	#N/A	LOW	None	40136	41866	11:50:53		SAVE		None
211		Quercus lobata	X	32	100.5309649	47	28	30				X	3	3	3	Yes	M	3	3	16	40		HDD	32	#N/A	MODERATE	None	40136	41794	16:38:39		SAVE		None
212		Olea europaea	X	10	31.41592654	27	26	20			X		3	3	3	No	M	3	3	5	12.5		HDD	10	#N/A	MODERATE	Primary	40136	41866	11:50:53		SAVE		None
213	171	Olea europaea	X	12	37.69911184	34	21	18		Previous Limb Failure	X		3	2	2.5	No	M	3	2.75	6	15		HDD	12	#N/A	MODERATE	None	40136	41866	11:50:53		SAVE		None
214	172	Quercus lobata	X	11	34.55751919	28	8	10		Severe Decline	X		2	2	2	No	M	3	2.5	5.5	13.75		HDD	11	#N/A	LOW	None	40136	41866	11:50:53	unknown	SAVE		None
215	595	Olea europaea		9	28.27433388	32	20	20			X		4	3	3.5	No	M	3	3.25	4.5	11.25		HDD	9	#N/A	MODERATE	Primary	40136	41866	11:50:53		SAVE		None
216	596	Quercus agrifolia	X	20	62.83185307	22	24	18			X		3	2	2.5	No	G	5	3.75	10	25		HDD	20	#N/A	HIGH	Primary	40136	41866	11:50:53		SAVE		None
217		Quercus lobata	X	35	109.9557429	38	36	32				X	4	4	4	No	M	3	3.5	17.5	43.75		HDD	35	#N/A	HIGH	None	40136	41866	11:50:53	topped; root decay	SAVE		None
218		Olea europaea		5	15.70796327	16	12	22			X		3	3	3	No	M	3	3	2.5	6.25		HDD	5	#N/A	MODERATE	None	40136	41866	11:50:53	topped; root decay; roots cut	SAVE		None
219		Quercus lobata		9	28.27433388	20	16	10		Severe Decline	X		2	2	2	No	M	3	2.5	4.5	11.25		HDD	9	#N/A	LOW	None	40136	41866	11:50:53		SAVE		None
220	175	Quercus lobata		9	28.27433388	10	1	1		Dead	X		1	1	1	No	M	3	2	4.5	11.25		HDD	9	#N/A	LOW	None	40136	41866	11:50:53	basal decay	REMOVE	1	5
221		Quercus lobata	X	13	40.8407045	23	13	8		Severe Decline	X		2	2	2	No	M	3	2.5	6.5	16.25		HDD	13	#N/A	LOW	None	40136	41866	11:50:53		SAVE		None
222	398	Quercus lobata	X	19	59.69026942	32	25	27			X		3	3	3	No	M	3	3	9.5	23.75		HDD	19	#N/A	MODERATE	None	40136	41866	11:50:53		SAVE		None
223		Quercus lobata	X	23	72.25663103	32	26	35			X		4	3	3.5	No	M	3	3.25	11.5	28.75		HDD	23	#N/A	MODERATE	None	40136	41866	11:50:53		SAVE		None
224	400	Quercus lobata	X	10	31.41592654	18	8	12		Severe Decline	X		2	2	2	No	M	3	2.5	5	12.5		HDD	10	#N/A	LOW	None	40136	41794	16:38:39	crown dieback	SAVE		None
225		Quercus lobata	X	11	34.55751919	21	10	20		Severe Decline	X		2	2	2	No	M	3	2.5	5.5	13.75		HDD	11	#N/A	LOW	None	40136	41866	11:50:53		SAVE		None
226	402	Quercus lobata	X	13	40.8407045	24	16	13		Severe Decline	X		3	2	2.5	No	M	3	2.75	6.5	16.25		HDD	13	#N/A	MODERATE	0	40375	41878	22:36:53		SAVE		None
227	392	Quercus lobata	X	28	87.9645943	37	33	36				X	4	4	4	Yes	M	3	3.5	14	35		HDD	28	#N/A	HIGH	0	40375	41878	22:36:52		SAVE		None
228	391	Quercus lobata	X	17.5	54.97787144	20	10	13		Poor Tree Structure	X		3	3	3	No	M	3	3	8.75	21.875		HDD	17.5	#N/A	MODERATE	0	40375	41878	22:36:48		SAVE		None
229	390	Quercus lobata	X	24	75.39822369	33	26	18		Dead Wood		X	3	3	3	No	M	3	3	12	30		HDD	24	#N/A	MODERATE	0	40375	41878	22:36:48		SAVE		None
230	393	Quercus lobata	X	14.5	45.55309348	20	18	10		Poor Tree Structure	X		3	3	3	No	M	3	3	7.25	18.125		HDD	14.5	#N/A	MODERATE	0	40375	41878	22:36:42		SAVE		None
231		Quercus lobata	X	13.5	42.41150082	31	16	7		Severe Decline	X		3	3	3	No	M	3	3	6.75	16.875		HDD	13.5	#N/A	MODERATE	0	40375	41878	22:36:42		SAVE		None
232		Quercus lobata	X	25.5	80.11061267	35	40	12				X	4	3	3.5	No	M	3	3.25	12.75	31.875		HDD	25.5	#N/A	MODERATE	0	40375	41878	22:36:39		SAVE		None
233	395	Quercus lobata	X	17	53.40707511	28	18	13			X		3	3	3	No	M	3	3	8.5	21.25		HDD	17	#N/A	MODERATE	0	40375	41878	22:36:39		SAVE		None
234		Quercus agrifolia	X	17.5	54.97787144	28	22	26			X		4	4	4	No	G	5	4.5	8.75	21.875		HDD	17.5	#N/A	HIGH	0	40375	41878	22:26:11	Parking Lot	SAVE		None
235	387	Quercus lobata	X	18.5	58.11946409	35	26	10		Dead Wood	X		3	3	3	No	M	3	3	9.25	23.125		HDD	18.5	#N/A	MODERATE	0	40375	41878	22:25:39		SAVE		None
236	386	Quercus lobata	X	23.5	73.82742736	34	28	25		Dead Wood	X		4	3	3	No	M	3	3	11.75	29.375		HDD	23.5	#N/A	MODERATE	0	40375	41878	22:25:39		SAVE		None
237		Quercus agrifolia	X	34	106.8141502	30	40	47		Crowded Growing Conditions		X	4	3	3.5	No	G	5	4.25	17	42.5		HDD	34	#N/A	HIGH	0	40375	41878	22:36:25		SAVE		None
238	385	Quercus lobata	X	35	109.9557429	40	33	30		Leaning Tree		X	3	3	3	No	M	3	3	17.5	43.75		HDD	35	#N/A	MODERATE	0	40375	41878	22:36:22		SAVE		None
239	177	Quercus lobata	X	25	78.53981634	35	21	32				X	4	3	3.5	No	M	3	3.25	12.5	31.25		HDD	25	#N/A	MODERATE	0	27945	41878	20:14:45		SAVE		None
240		Quercus lobata	X	18	56.54866776	35	21	24			X		4	3	3.5	No	M	3	3.25	9	22.5		HDD	18	#N/A	MODERATE	0	40375	41878	22:28:30		SAVE		None
241	180	Quercus lobata	X	34	106.8141502	35	24	25				X	4	3	3.5	No	M	3	3.25	17	42.5		HDD	34	#N/A	MODERATE	0	27945	41878	20:14:45		SAVE		None
242		Quercus lobata	X	15	47.1238898	30	18	23			X		4	4	4	No	M	3	3.5	7.5	18.75		HDD	15	#N/A	HIGH	0	27945	41878	20:14:44		SAVE		None
243		Quercus lobata	X	14	43.98229715	25	15	12			X		3	2	2.5	No	M	3	2.75	7	17.5		HDD	14	#N/A	MODERATE	0	40375	41878	22:28:23		SAVE		None
244		Quercus lobata	X	20.5	64.4026494	28	16	22			X		3	3	3	No	M	3	3	10.25	25.625		HDD	20.5	#N/A	MODERATE	0	40375	41878	22:28:24		SAVE		None
245	184	Quercus lobata	X	11	34.55751919	15	6	12	X		X		4	2	3	No	M	3	3	5.5	13.75		HDD	11	#N/A	MODERATE	0	40375	41878	22:35:56		SAVE		None
246		Quercus lobata	X	19	59.69026042	31	16	28	X		X		4	3	3.5	No	M	3	3.25	9.5	23.75		HDD	19	#N/A	MODERATE	0	40375	41878	22:35:47		SAVE		None
247	186	Quercus lobata	X	22	69.11503838	32	20	27	X		X		4	3	3.5	No	M	3	3.25	11	27.5		HDD	22	#N/A	MODERATE	0	40375	41878	22:35:47		SAVE		None
248	187	Olea europaea	X	17	53.40707511	28	20	32	X	Dead Limbs	X		3	3	3	No	M	3	3	8.5	21.25		HDD	17	#N/A	MODERATE	0	40375	41878	22:35:34		SAVE		None
249		Quercus lobata	X	30	94.24777961	30	22	30	X	Severe Decline		X	2	2	2	No	M	3	2.5	15	37.5		HDD	30	#N/A	LOW	0	40375	41878	22:35:33		SAVE		None
250	189	Olea europaea		7	21.99114858	27	20	18	X		X		4	3	3.5	No	M	3	3.25	3.5	8.75		HDD	7	#N/A	MODERATE	0	40375	41878	22:35:33		SAVE		None
251		Olea europaea	X	10	31.41592654	25	10	30		Future Root Problems	X		3	3	3	No	M	3	3	5	12.5		HDD	10	#N/A	MODERATE	0	40375	41878	22:35:23		SAVE		None
252	193	Olea europaea		8	25.13274123	16	18	15		Dead Wood	X		4	3	3.5	No	M	3	3.25	4	10		HDD	8	#N/A	MODERATE	0	40375	41878	22:35:04		SAVE		None
253	192	Olea europaea	X	18	56.54866776	24	30	40			X		4	4	4	No	M	3	3.5	9	22.5		HDD	18	#N/A	HIGH	0	40375	41878	22:34:59		SAVE		None
254	191	Olea europaea	X	14	43.98229715	24	30	34	X		X		4	4	4	No	M	3	3.5	7	17.5		HDD	14	#N/A	HIGH	0	40375	41878	22:34:59		SAVE		None
255	190	Quercus lobata	X	17	53.40707511	34	18	22	X		X		4	3	3.5	No	M	3	3.25	8.5	21.25		HDD	17	#N/A	MODERATE	0	40375	41878	22:34:49		SAVE		None
256	196	Quercus lobata	X	19	59.69026042	27	8	18		Dead Wood	X		3	3	3	No	M	3	3	9.5	23.75		HDD	19	#N/A	MODERATE	0	40375	41878	22:34:50		SAVE		None
257		Quercus lobata	X	12	37.69911184	26	15	12		Severe Decline	X		3	2	2.5	No	M	3	2.75	6	15		HDD	12	#N/A	MODERATE	0	40375	41878	22:34:44		SAVE		None
258	194	Quercus lobata	X	14	43.98229715	33	11	20	X	Dead Wood	X		3	3	3	No	M	3	3	7	17.5		HDD	14	#N/A	MODERATE	0	40375	41878	22:34:40		SAVE		None
259		Quercus lobata	X	12	37.69911184	28	15	13	X	Poor Tree Structure	X		3	3	3	No	M	3	3	6	15		HDD	12	#N/A	MODERATE	0	40375	41878	22:28:24		SAVE		None
260		Quercus lobata	X	25	78.53981634	32	27	25	X	Poor Tree Structure		X	4	3	3.5	No	M	3	3.25	12.5	31.25		HDD	25	#N/A	MODERATE	0	40375	41878	22:28:24		SAVE		None
261		Quercus lobata	X	17	53.40707511	25	18	26	X	Severe Decline	X		2	2	2	No	M	3	2.5	8.5	21.25		HDD	17	#N/A	LOW	0	40375	41878	22:28:25		SAVE		None
262	404	Quercus lobata	X	23	72.25663103	33	31	36	X		X		3	3	3	No	M	3	3	11.5	28.75		HDD	23	#N/A	MODERATE	0	40375	41878	22:34:08		SAVE		None
263	403	Quercus lobata	X	34	106.8141502	36	30	16		Severe Decline		X	2	2	2	No	M	3	2.5	17	42.5		HDD	34	#N/A	LOW	1	40459	41878	22:34:09		SAVE		None
264	198	Quercus lobata	X	15	47.1238898	33	12	20		Dead Wood	X		4	3	3.5	No	M	3	3.25	7.5	18.75		HDD	15	#N/A	MODERATE	0	40375	41878	22:34:03		SAVE		None
265	197	Quercus lobata	X	11	34.55751919	29	17	15		Dead Limbs	X		3	3	3	No	M	3	3	5.5	13.75		HDD	11	#N/A	MODERATE	0	40375	41878	22:33:43		SAVE		None
266	410	Quercus agrifolia	X	17	53.40707511	36	25	27			X		4	4	4	No	G	5	4.5	8.5	21.25		HDD	17	#N/A	HIGH	0	40375	41878	22:33:43		SAVE		None
267	411	Quercus lobata	X	25	78.53981634	28	15	13		Dead Wood		X	3	2	2.5	No	M	3	2.75	12.5	31.25		HDD	25	#N/A	MODERATE	0	40375	41878	22:33:34		SAVE		None
268	409	Quercus lobata	X	13	40.8407045	27	15	22		Dead Wood	X		3	3	3	No	M	3	3	6.5	16.25		HDD	13	#N/A	MODERATE	0	40375	41878	22:33:34		SAVE		None
269	417	Quercus lobata	X	13	40.8407045	28	13	15			X		3	3	3	No	M	3	3	6.5	16.25		HDD	13	#N/A	MODERATE	0	40375	41878	22:33:34		SAVE		None
270	418	Quercus lobata	X	17	53.40707511	31	26	17			X		3	3	3	No	M	3	3	8.5	21.25		HDD	17	#N/A	MODERATE	0	40375	41878	22:33:34		SAVE		None
271	420	Quercus lobata	X	16	50.26548246	31	20	17		Dead Wood	X		3	2	2.5	No	M	3	2.75	8	20		HDD	16	#N/A	MODERATE	0	40375	41878	22:33:34		SAVE		None
272	412	Quercus lobata	X	12	37.69911184	28	6	15		Severe Decline	X		3	2	2.5	No	M	3	2.75	6	15		HDD	12	#N/A	MODERATE	0	40375	41878	22:33:34		SAVE		None
273	414	Quercus lobata	X	14	43.98229715	31	18	22			X		4	3	3.5	No	M	3	3.25	7	17.5		HDD	14	#N/A	MODERATE	0	40375	41878	22:33:34		SAVE		None
274		Quercus lobata		9	28.27433388	33	15	20			X		4	3	3.5	No	M	3	3.25	4.5	11.25		HDD	9	#N/A	MODERATE	0	40375	41878	22:33:34		SAVE		None
275		Quercus lobata	X	17	53.40707511	32	18	26			X		4	4	4	No	M	3	3.5	8.5	21.25		HDD	17	#N/A	HIGH	0	40375	41878	22:33:34		SAVE		None
276	199	Quercus lobata	X	14	43.98229715	31	21	22			X		4	4	3.5	No	M	3	3.25	7	17.5		HDD	14	#N/A	MODERATE	0	40375	41878	22:33:34		SAVE		None
277	202	Quercus lobata	X	12	37.69911184	22	1	1		Dead	X		1	1	1	No	M	3	2	6	15		HDD	12	#N/A	LOW	0	40375	41878	22:33:34		REMOVE	1	5
279		Quercus lobata	X	11	34.55751919	25	13	6		Dead Wood	X		3	2	2.5	No	M	3	2.75	5.5	13.75		HDD	11	#N/A	MODERATE	0	40375	41878	22:33:34		SAVE		None
280	204	Quercus lobata		8	25.13274123	24	5	13			X		4	3	3.5	No	M	3	3.25	4	10		HDD	8	#N/A	MODERATE	0	40375	41878	22:33:34		SAVE		None
281		Umbellularia californica		8	25.13274123	31	20	24			X		5	5	5	No	M	3	4	4	10		HDD	8	#N/A	HIGH	0	40375	41878	22:33:34		SAVE		None
282	207	Quercus lobata	X	11	34.55751919	33	8	12		Severe Decline	X		3	2	2.5	No	M	3	2.75	5.5	13.75		HDD	11	#N/A	MODERATE	0	40375	41878	22:33:34		SAVE		None
283	208	Quercus lobata	X	13	40.8407045	36	13	18			X		4	3	3.5	No	M	3	3.25	6.5	16.25		HDD	13	#N/A	MODERATE	0	40375	41878	22:33:34		SAVE		None
284	209	Quercus lobata	X	14	43.98229715	34	8	21			X		3	3	3	No	M	3	3	7	17.5		HDD	14	#N/A	MODERATE	0	40375	41878	22:33:34		SAVE		None
285		Quercus lobata	X	16	50.26548246	34	7	8		Severe Decline	X		2	2	2	No	M	3	2.5	8	20		HDD	16	#N/A	LOW	0	40375	41878	22:33:34		SAVE		None
286		Quercus lobata	X	16	50.26548246	38	12	10		Severe Decline	X		2	2	2	No	M	3	2.5	8	20		HDD	16	#N/A	LOW	0	40375	41878	22:33:34		SAVE		None
287	216	Quercus lobata		9	28.27433388	28	10	17		Leaning Tree	X		2	2	2	No	M	3	2.5	4.5	11.25		HDD	9	#N/A	LOW	0	40375	41878	22:33:34		SAVE		None
288	421	Quercus lobata	X	14	43.98229715	27	10	20		Severe Decline	X		2	2	2	No	M	3	2.5	7	17.5		HDD	14	#N/A	LOW	0	40375	41878	22:33:34		SAVE		None
289	422	Quercus lobata	X	22	69.11503838	35	28	30			X		4

TREE EVALUATION NOTES:
*SEE SHEET T-6 FOR TREE PROTECTION REQUIREMENT DETAILS

**REASON FOR REMOVAL
1. THE TREE IS DEAD, SEVERELY DISEASED, DECAYED OR DISFIGURED TO SUCH AN EXTENT THAT THE TREE IS UNABLE TO RECOVER OR RETURN TO A HEALTHY AND STRUCTURALLY SOUND CONDITION.
2. THE TREE HAS A TREE RISK RATING OF EXTREME OR HIGH ON THE ISA TREE RISK RATING MATRIX AS SET FORTH IN THE ISA TREE RISK ASSESSMENT BEST MANAGEMENT PRACTICES, OR SUCCESSOR PUBLICATION.
3. THE TREE IS CROWDING OTHER PROTECTED TREES TO THE EXTENT THAT REMOVAL OR SEVERE PRUNING IS NECESSARY TO ENSURE THE LONG-TERM VIABILITY OF ADJACENT AND MORE SIGNIFICANT TREES.
4. THE RETENTION OF THE TREE RESTRICTS THE ECONOMIC ENJOYMENT OF THE PROPERTY OR CREATES AN UNUSUAL HARDSHIP FOR THE PROPERTY OWNER BY SEVERELY LIMITING THE USE OF THE PROPERTY IN A MANNER NOT TYPICALLY EXPERIENCE BY OWNERS OF SIMILARLY SITUATED PROPERTIES, AND THE APPLICANT HAS DEMONSTRATED TO THE SATISFACTION OF THE DIRECTOR OR DECIDING BODY THAT THERE ARE NO REASONABLE ALTERNATIVES TO PRESERVE THE TREE.

LOT 10
TREE EVALUATION TABLE

Tree-ID	Existing Tree Tag Number	SPP	protected	DBH_IN	CIRC_IN	HEIGHT_FT	SPREAD N/S_FT	SPREAD E/W_FT	Species Rate To Const Impact	NOTE	PROTECTED	LARGE PROTECTED	HEALTH RATING	STRUCTURE RATING	COND OVRL RATING	ROOTB	Tolerance Rate To Const Impact	construction Numeronym	COND OVRL w Const Impact	CRZ_FT_R ADIUS	TPZ_FT_R ADIUS DBH x15	COND OVRL w Const Impact	MOC	Min Offset_IN	Min Depth_IN	RETENTION RATING	HVWIRES	Inv_Date	INSPECT_ DT	Inspect_ TM	Notes	SAVE, REMOVE, OFF-SITE	REASON FOR REMOVAL**	TREE PROTECTION REQUIREMENT*
291		Pinus halepensis		4	12.56637061	25	5	4			X		3	3	3	No	M-G	4	3.5	2	5		HDD	4	#N/A	HIGH	0	40375	41878	22:33:34		SAVE		None
292		Pinus halepensis	X	10	31.41592654	30	17	14			X		4	4	4	No	M-G	4	4	5	12.5		HDD	10	#N/A	HIGH	0	40375	41878	22:33:34		SAVE		None
293		Quercus lobata	X	10	31.41592654	20	10	17		Dead	X		1	1	1	No	M	3	2	5	12.5		HDD	10	#N/A	LOW	0	40375	41878	22:33:34		REMOVE	1	5
294		Pinus halepensis		8	25.13274123	25	18	16			X		4	4	4	No	M-G	4	4	4	10		HDD	8	#N/A	HIGH	0	40375	41878	22:33:34		SAVE		None
295	428	Quercus lobata	X	20	62.83185307	26	27	25		Severe Decline	X		3	2	2.5	No	M	3	2.75	10	25		HDD	20	#N/A	MODERATE	0	40375	41878	22:33:34		SAVE		None
296		Quercus lobata	X	12	37.69911184	28	13	10			X		4	3	3.5	No	M	3	3.25	6	15		HDD	12	#N/A	MODERATE	0	40375	41878	22:33:34		SAVE		None
297	497	Pinus halepensis	X	14	43.98229715	35	20	24			X		4	4	4	No	M-G	4	4	7	17.5		HDD	14	#N/A	HIGH	0	40375	41878	22:33:34		SAVE		None
298	496	Pinus halepensis	X	13	40.8407045	32	20	13			X		4	4	4	No	M-G	4	4	6.5	16.25		HDD	13	#N/A	HIGH	0	40375	41878	22:33:34		SAVE		None
299		Quercus lobata	X	19	59.69026042	35	28	24			X		4	4	4	No	M	3	3.5	9.5	23.75		HDD	19	#N/A	HIGH	0	40375	41878	22:33:34		SAVE		None
300	491	Quercus lobata	X	19	59.69026042	28	26	17		Poor Tree Structure	X		3	2	2.5	No	M	3	2.75	9.5	23.75		HDD	19	#N/A	MODERATE	0	40375	41878	22:33:34		SAVE		None
301		Calocedrus decurrens	X	10	31.41592654	23	12	10			X		5	5	5	No	M	3	4	5	12.5		HDD	10	#N/A	HIGH	0	40375	41878	22:33:34		SAVE		None
302		Calocedrus decurrens		7	21.99114858	17	8	8			X		4	4	4	No	M	3	3.5	3.5	8.75		HDD	7	#N/A	HIGH	0	40375	41878	22:33:34		SAVE		None
303	456	Calocedrus decurrens		7	21.99114858	17	6	5		Dead	X		1	1	1	No	M	3	2	3.5	8.75		HDD	7	#N/A	LOW	0	40375	41878	22:33:34		REMOVE	1	5
304	457	Calocedrus decurrens	X	15	47.1238898	21	10	12			X		4	4	4	No	M	3	3.5	7.5	18.75		HDD	15	#N/A	HIGH	0	40375	41878	22:33:34		SAVE		None
305	458	Calocedrus decurrens		7	21.99114858	15	8	10		Severe Decline	X		3	2	2.5	No	M	3	2.75	3.5	8.75		HDD	7	#N/A	MODERATE	0	40375	41878	22:33:34		SAVE		None
306		Calocedrus decurrens		7	21.99114858	15	10	5		Dead Wood	X		3	3	3	No	M	3	3	3.5	8.75		HDD	7	#N/A	MODERATE	0	40375	41878	22:33:34		SAVE		None
307		Calocedrus decurrens		7	21.99114858	10	5	4		Severe Decline	X		2	2	2	No	M	3	2.5	3.5	8.75		HDD	7	#N/A	LOW	0	40375	41878	22:33:34		SAVE		None
308	454	Pinus brutia var. eldarica	X	11	34.55751919	30	10	18		Dead Wood	X		3	3	3	No	M-G	4	3.5	5.5	13.75		HDD	11	#N/A	HIGH	0	40375	41878	22:33:34		SAVE		None
309		Pinus brutia var. eldarica	X	12	37.69911184	30	12	10		Dead Wood	X		3	3	3	No	M-G	4	3.5	6	15		HDD	12	#N/A	HIGH	0	40375	41878	22:33:34		SAVE		None
310	462	Calocedrus decurrens		8	25.13274123	18	12	8		Severe Decline	X		3	3	3	No	M	3	3	4	10		HDD	8	#N/A	MODERATE	0	40375	41878	22:33:34		SAVE		None
311	464	Calocedrus decurrens		8	25.13274123	15	10	9		Severe Decline	X		3	2	2.5	No	M	3	2.75	4	10		HDD	8	#N/A	MODERATE	0	40375	41878	22:33:34		SAVE		None
312	463	Calocedrus decurrens		5	15.70796327	18	6	8			X		4	4	4	No	M	3	3.5	2.5	6.25		HDD	5	#N/A	HIGH	0	40375	41878	22:33:34		SAVE		None
313		Calocedrus decurrens		6	18.84955592	7	6	6		Severe Decline	X		2	2	2	No	M	3	2.5	3	7.5		HDD	6	#N/A	LOW	0	40375	41878	22:33:34		SAVE		None
314		Calocedrus decurrens		5	15.70796327	8	7	7		Poor Tree Structure	X		3	3	3	No	M	3	3	2.5	6.25		HDD	5	#N/A	MODERATE						SAVE		None
315	505	Calocedrus decurrens		6	18.84955592	10	6	4		Severe Decline	X		2	2	2	No	M	3	2.5	3	7.5		HDD	6	#N/A	LOW						SAVE		None
316	503	Pinus brutia var. eldarica	X	10	31.41592654	28	6	8		Severe Decline	X		2	2	2	No	M-G	4	3	5	12.5		HDD	10	#N/A	MODERATE						SAVE		None
317	504	Pinus brutia var. eldarica	X	11	34.55751919	31	10	8		Dead Wood	X		3	2	2.5	No	M-G	4	3.25	5.5	13.75		HDD	11	#N/A	MODERATE						SAVE		None
318		Pinus brutia var. eldarica	X	10	31.41592654	29	7	5		Poor Tree Structure	X		3	2	2.5	No	M-G	4	3.25	5	12.5		HDD	10	#N/A	MODERATE						SAVE		None
319	509	Calocedrus decurrens		5	15.70796327	10	4	6		Severe Decline	X		2	2	2	No	M	3	2.5	2.5	6.25		HDD	5	#N/A	LOW						SAVE		None
320	508	Calocedrus decurrens		6	18.84955592	18	6	6			X		3	4	3.5	No	M	3	3.25	3	7.5		HDD	6	#N/A	MODERATE						SAVE		None
321		Calocedrus decurrens		5	15.70796327	8	4	5		Severe Decline	X		3	3	3	No	M	3	3	2.5	6.25		HDD	5	#N/A	MODERATE						SAVE		None
322		Calocedrus decurrens		8	25.13274123	10	6	5			X		3	3	3	No	M	3	3	4	10		HDD	8	#N/A	MODERATE						SAVE		None
323	515	Calocedrus decurrens		7	21.99114858	12	5	5		Severe Decline	X		2	2	2	No	M	3	2.5	3.5	8.75		HDD	7	#N/A	LOW						SAVE		None
324	517	Calocedrus decurrens		8	25.13274123	10	8	6			X		4	3	3.5	No	M	3	3.25	4	10		HDD	8	#N/A	MODERATE						SAVE		None
325	518	Calocedrus decurrens		7	21.99114858	8	6	7		Poor Tree Structure	X		3	3	3	No	M	3	3	3.5	8.75		HDD	7	#N/A	MODERATE						SAVE		None
326	514	Calocedrus decurrens		9	28.27433388	16	8	9		Poor Tree Structure	X		3	3	3	No	M	3	3	4.5	11.25		HDD	9	#N/A	MODERATE						SAVE		None
327	513	Pinus brutia var. eldarica	X	11	34.55751919	31	8	10		Dead Wood	X		3	3	3	No	M-G	4	3.5	5.5	13.75		HDD	11	#N/A	HIGH						SAVE		None
328		Pinus brutia var. eldarica	X	11	34.55751919	28	15	12		Dead Wood	X		3	3	3	No	M-G	4	3.5	5.5	13.75		HDD	11	#N/A	HIGH						SAVE		None
329		Calocedrus decurrens		5	15.70796327	10	8	6			X		4	3	3.5	No	M	3	3.25	2.5	6.25		HDD	5	#N/A	MODERATE						SAVE		None
330		Calocedrus decurrens		7	21.99114858	10	8	5			X		3	3	3	No	M	3	3	3.5	8.75		HDD	7	#N/A	MODERATE						SAVE		None
331		Calocedrus decurrens		6	18.84955592	18	8	6			X		4	4	4	No	M	3	3.5	3	7.5		HDD	6	#N/A	HIGH						SAVE		None
332		Pinus brutia var. eldarica	X	13	40.8407045	28	18	20			X		4	3	3.5	No	M-G	4	3.75	6.5	16.25		HDD	13	#N/A	HIGH						SAVE		None
333		Calocedrus decurrens		7	21.99114858	12	8	6			X		4	4	4	No	M	3	3.5	3.5	8.75		HDD	7	#N/A	HIGH						SAVE		None
334	526	Calocedrus decurrens	X	13	40.8407045	26	12	8			X		3	3	3	No	M	3	3	6.5	16.25		HDD	13	#N/A	MODERATE						SAVE		None
335	527	Calocedrus decurrens		5	15.70796327	8	7	3		Severe Decline	X		3	2	2.5	No	M	3	2.75	2.5	6.25		HDD	5	#N/A	MODERATE						SAVE		None
336	528	Calocedrus decurrens		6	18.84955592	8	4	4		Root Impact	X		2	2	2	No	M	3	2.5	3	7.5		HDD	6	#N/A	LOW						SAVE		None
337	529	Pinus brutia var. eldarica	X	12	37.69911184	28	13	14			X		3	3	3	No	M-G	4	3.5	6	15		HDD	12	#N/A	HIGH						SAVE		None
338		Pinus brutia var. eldarica	X	15	47.1238898	30	20	18		Dead Wood	X		4	3	3.5	No	M-G	4	3.75	7.5	18.75		HDD	15	#N/A	HIGH						SAVE		None
339		Calocedrus decurrens		3	9.424777961	10	4	3			EXEMPT		3	3	3	No	M	3	3	1.5	3.75		HDD	3	#N/A	MODERATE						SAVE		None
340		Calocedrus decurrens		4	12.56637061	15	5	3			X		3	3	3	No	M	3	3	2	5		HDD	4	#N/A	MODERATE						SAVE		None
341		Pinus brutia var. eldarica		8	25.13274123	25	8	7		Severe Decline	X		3	2	2.5	No	M-G	4	3.25	4	10		HDD	8	#N/A	MODERATE						SAVE		None
342	535	Pinus brutia var. eldarica	X	14	43.98229715	27	12	10		Poor Tree Structure	X		3	3	3	No	M-G	4	3.5	7	17.5		HDD	14	#N/A	HIGH						SAVE		None
343		Pinus brutia var. eldarica	X	15	47.1238898	28	15	10			X		3	3	3	No	M-G	4	3.5	7.5	18.75		HDD	15	#N/A	HIGH						SAVE		None
344	533	Calocedrus decurrens		6	18.84955592	15	5	4		Severe Decline	X		2	2	2	No	M	3	2.5	3	7.5		HDD	6	#N/A	LOW						SAVE		None
345		Calocedrus decurrens		6	18.84955592	10	5	5		Leaning Tree	X		4	3	3.5	No	M	3	3.25	3	7.5		HDD	6	#N/A	MODERATE						SAVE		None
346		Quercus lobata	X	21	65.97344573	30	27	22		Dead Wood	X		3	3	3	No	M	3	3	10.5	26.25		HDD	21	#N/A	MODERATE						SAVE		None
347		Quercus lobata	X	21	65.97344573	40	24	27		Dead Wood	X		4	3	3.5	No	M	3	3.25	10.5	26.25		HDD	21	#N/A	MODERATE						SAVE		None
348		Quercus douglasii	X	24	75.39822369	43	40	30				X	4	3	3.5	No	M-G	4	3.75	12	30		HDD	24	#N/A	HIGH						SAVE		None
349		Quercus douglasii	X	23	72.25663103	36	35	26			X		4	3	3.5	No	M-G	4	3.75	11.5	28.75		HDD	23	#N/A	HIGH						SAVE		None
350	440	Quercus lobata	X	11	34.55751919	25	16	18		Dead Wood	X		3	3	3	No	M	3	3	5.5	13.75		HDD	11	#N/A	MODERATE						SAVE		None
351	214	Olea europaea	X	14	43.98229715	30	40	45			X		4	3	3.5	No	M	3	3.25	7	17.5		HDD	14	#N/A	MODERATE						SAVE		None
352		Quercus douglasii		5	15.70796327	25	12	8		Severe Decline	X		2	3	2.5	No	M-G	4	3.25	2.5	6.25		HDD	5	#N/A	MODERATE						SAVE		None
353	225	Quercus lobata	X	14	43.98229715	20	6	5		Dead	X		1	1	1	No	M	3	2	7	17.5		HDD	14	#N/A	LOW						REMOVE	1	
354		Quercus lobata	X	10	31.41592654	23	8	18			X		3	2	2.5	No	M	3	2.75	5	12.5		HDD	10	#N/A	MODERATE						SAVE		None
355	431	Quercus lobata	X	20	62.83185307	28	33	30			X		3	2	2.5	No	M	3	2.75	10	25		HDD	20	#N/A	MODERATE						SAVE		None
356		Snag		9	28.27433388	22	1	1		Dead	X		1	1	1	No	0	0	0	4.5	0		HDD	9	#N/A							REMOVE	1	
357	443	Quercus douglasii	X	24	75.39822369	43	24	35				X	3	3	3	No	M-G	4	3.5	12	30		HDD	24	#N/A	HIGH						SAVE		None
358		Quercus lobata		8	25.13274123	15	1	11		Dead	X		1	1	1	No	M	3	2	4	10		HDD	8	#N/A	LOW						REMOVE	1	
359	446	Quercus lobata	X	12	37.69911184	25	10	6		Severe Decline	X		2	2	2	No	M	3	2.5	6	15		HDD	12	#N/A	LOW						SAVE		None
360	447	Quercus lobata	X	25	78.53981634	38	25	24		Dead Limbs		X	3	3	3	No	M	3	3	12.5	31.25		HDD	25	#N/A	MODERATE						SAVE		None
361		Quercus lobata	X	18	56.54866776	23	1	1		Dead	X		1	1	1	No	M	3	2	9	22.5		HDD	18	#N/A	LOW						REMOVE	1	
362	437	Quercus lobata	X	19	59.69026042	30	16	15		Poor Tree Architecture	X		3	2	2.5	No	M	3	2.75	9.5	23.75		HDD	19	#N/A	MODERATE						SAVE		None
363		Quercus agrifolia	X	21	65.97344573	32	35	36			X		4	4	4	No	G	5	4.5	10.5	26.25		HDD	21	#N/A	HIGH						SAVE		None
364		Quercus lobata	X	13	40.8407045	31	15	13			X		3	3	3	No	M	3	3	6.5	16.25		HDD	13	#N/A	MODERATE						SAVE		None
366	210	Quercus lobata		9	28.27433388	15	12	27		Excessive Limb Weight	X		4	2	3	No	M	3	3	4.5	11.25		HDD	9	#N/A	MODERATE						SAVE		None
367	211	Quercus lobata	X	16	50.26548246	46	16	15		Dead Limbs	X		4	2	3	No	M	3	3	8	20		HDD	16	#N/A	MODERATE						SAVE		None
368	213	Quercus lobata	X	17	53.40707511	32	26	22		Dead Wood	X		4	3	3.5	No	M	3	3.25	8.5	21.25		HDD	17	#N/A	MODERATE						SAVE		None
369	212	Quercus agrifolia	X	19	59.69026042	32	23	28			X		4	4	4	No	G	5	4.5	9.5	23.75		HDD	19	#N/A	HIGH						SAVE		None
370	219	Snag		7	21.99114858	5	1	1		Dead	X		1	1	1	No	0	0	0	3.5	0		HDD	7	#N/A							REMOVE	1	
371		Quercus lobata	X	15	47.1238898	50	15	12			X		4	4	4	No	M	3	3.5	7.5	18.75		HDD	15	#N/A	HIGH						SAVE		None
372	221	Quercus lobata		8	25.13274123	43	12	15		Dead Wood	X		3	3	3	No	M	3	3	4	10		HDD	8	#N/A	MODERATE						SAVE		None
373		Snag		8	25.13274123	22	1	1		Dead	X		1	1	1	No	0	0	0	4	0		HDD	8	#N/A							REMOVE	1	
374	220	Olea europaea	X	18	56.54866776	38	23	20			X		4	4	4	No	M	3	3.5	9	22.5		HDD	18	#N/A	HIGH						SAVE		None
375	223	Quercus lobata	X	18	56.54866776	26	28	23		Dead Wood	X		3	4	3.5	No	M	3	3.25	9	22.5		HDD	18	#N/A	MODERATE						SAVE		None
376		Quercus agrifolia	X	20	62.83185307	22	1	1		Dead	X		1	1	1	No	G	5	3	10	25		HDD	20	#N/A	MODERATE						REMOVE	1	
377		Quercus agrifolia	X	30	94.24777961	35	45	35				X	4	4	4	No	G	5	4.5	15	37.5		HDD	30	#N/A	HIGH						SAVE		None
378		Quercus lobata		9	28.27433388	22	1	1		Dead	X		1	1	1	No	M	3	2	4.5	11.25		HDD	9	#N/A	LOW						REMOVE	1	
379		Quercus agrifolia	X	10	31.41592654	14	2	10		Dead	X		1	1	1	No	G	5	3	5	12.5		HDD	10	#N/A	MODERATE						REMOVE	1	
380		Pinus halepensis	X	13	40.8407045	34	13	18			X		4	3	3.5	No	M-G	4	3.75	6.5	16.25		HDD	13	#N/A	HIGH						SAVE		None
381		Quercus lobata		9	28.27433388	25	23	15		Dead Wood	X		3	3	3	No	M	3	3	4.5	11.25		HDD	9	#N/A	MODERATE						SAVE		None
382		Quercus douglasii	X	23	72.25663103	36	43	50			X		4	3	3.5	No	M-G	4	3.75	11.5	28.75		HDD	23	#N/A	HIGH						SAVE		None
383		Pinus halepensis		5	15.70796327	21	12	5		Co-Dominant Lead	X		4	3	3.5	No	M-G	4	3.75	2.5	6.25		HDD	5	#N/A	HIGH						SAVE		None
384		Pinus halepensis	X	11	34.55751919	10	20	10			X		4	2	3	No	M-G	4	3.5	5.5	13.75		HDD	11	#N/A	HIGH						SAVE		None
385		Quercus agrifolia	X	22	69.11503838	26	10	36		Severe Decline	X		2	2	2	No	G	5	3.5	11	27.5		HDD	22	#N/A	HIGH						SAVE		None
644		Quercus agrifolia	X	14	43.98229715	15	17	22			X		5	5	5	No	G	5	5	7	17.5		HDD	14	#N/A	HIGH						SAVE		None
645		Prunus domestica		5	15.70796327	16	8	20		Dead	X		1	2	1.5	No	P-M	2	1.75	2.5	6.25		HDD	5	#N/A	LOW						REMOVE	1	5
646		Quercus agrifolia		8	25.13274123	15	13	20			X		5	5	5	No	G	5	5	4	10		HDD	8	#N/A	HIGH						SAVE		None
652		Quercus lobata	X	15	47.1238898	26	15	15			X		3	2	2.5	No	M	3	2.75	7.5	18.75		HDD	15	#N/A	MODERATE						SAVE		None
675		Quercus agrifolia	X	30	94.24777961	32	30	50		Leaning Tree		X	4	3	3.5	No	G	5	4.25	15	37.5		HDD	30	#N/A	HIGH						SAVE		None

HMH
Land Use Entitlements
Land Planning
Landscape Architecture
Civil Engineering
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Stormwater Compliance
1570 Oakland Road (408) 487-2200
San Jose, CA 95131 HMHca.com

SURREY FARMS ESTATES
TWIN OAKS DRIVE, LOS GATOS
DEVELOPMENT REVIEW PLAN SET
LOT 10 | APP #S-24-032

NO	DATE	DESCRIPTION
5	9/15/2025	PER CITY COMMENTS
4	7/25/2025	PER CITY COMMENTS
3	4/18/2025	PER CITY COMMENTS
2	3/31/2025	PER CITY COMMENTS
1	1/8/2025	PER CITY COMMENTS

PROJECT NO:	4185.10
CAD DWG FILE:	4185 10CL - LOT 10.DWG
DESIGNED BY:	JN
DRAWN BY:	JN
CHECKED BY:	ST
DATE:	JUNE 6, 2025
SCALE:	NONE
© HMH	

TREE EVALUATION TABLE

T-3

S:\PROJECTS\4185\10\LA\PLANNING\4185 10CL - LOT 10.DWG

PLOTTED: 9/15/2025 5:18 PM

LOT 10

TREE APPRAISAL TABLE
REPRODUCTION METHOD - TRUNK FORMULA TECHNIQUE

SUBJECT TREE										REPLACEMENT TREE				CALCULATIONS			ADDITIONAL COSTS	TOTAL	
TREE #	BOTANICAL NAME	COMMON NAME	DBH (IN)	CROSS-SECTIONAL AREA =(DBH^2*0.7854	HEALTH %	STRUCTURE %	FORM %	CONDITION %	FUNCTIONAL LIMITATIONS %	EXTERNAL LIMITATIONS %	LCANT	(STD) REPLACEMENT TREE DIAMETER (IN)	CROSS-SECTIONAL AREA =(RTD^2*0.7854	REPLACEMENT TREE COST	UNIT TREE COST	BASIC REPRODUCTION COST	DEPRECIATED REPRODUCTION COST	TOTAL ADDITIONAL COSTS	TOTAL REPRODUCTION COST - ROUNDED	SAVE, REMOVE, OFF-SITE
182	Pinus brutia var. eldarica	Afghan Pine	9.0	63.62	30	30	50	37%	80%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 1,682.83	$ 494	$ 600.00	$ 1,100	SAVE
183	Pinus brutia var. eldarica	Afghan Pine	11.0	95.03	50	30	50	43%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 2,513.85	$ 1,089	$ 600.00	$ 1,700	SAVE
184	Pinus brutia var. eldarica	Afghan Pine	14.0	153.94	30	30	50	37%	80%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 4,072.02	$ 1,194	$ 600.00	$ 1,800	SAVE
185	Pinus brutia var. eldarica	Afghan Pine	6.0	28.27	50	30	50	43%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 747.92	$ 324	$ 600.00	$ 900	SAVE
186	Pinus brutia var. eldarica	Afghan Pine	7.0	38.48	30	30	30	30%	80%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 1,018.01	$ 244	$ 600.00	$ 800	SAVE
187	Pinus brutia var. eldarica	Afghan Pine	11.0	95.03	70	50	50	57%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 2,513.85	$ 1,425	$ 600.00	$ 2,000	SAVE
188	Pinus brutia var. eldarica	Afghan Pine	11.0	95.03	50	30	50	43%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 2,513.85	$ 1,089	$ 600.00	$ 1,700	SAVE
189	Pinus brutia var. eldarica	Afghan Pine	10.0	78.54	70	70	70	70%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 2,077.56	$ 1,454	$ 600.00	$ 2,100	SAVE
190	Pinus brutia var. eldarica	Afghan Pine	11.0	95.03	50	30	50	43%	80%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 2,513.85	$ 871	$ 600.00	$ 1,500	REMOVE
191	Pinus brutia var. eldarica	Afghan Pine	4.0	12.57	30	30	50	37%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 332.41	$ 122	$ 600.00	$ 700	REMOVE
192	Pinus brutia var. eldarica	Afghan Pine	18.0	254.47	70	70	80	73%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 6,731.30	$ 4,936	$ 600.00	$ 5,500	SAVE
193	Pinus brutia var. eldarica	Afghan Pine	5.0	19.64	70	70	80	73%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 519.39	$ 381	$ 600.00	$ 1,000	SAVE
194	Calocedrus decurrens	Incense Cedar	8.0	50.27	70	70	80	73%	80%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 1,329.64	$ 780	$ 600.00	$ 1,400	SAVE
195	Pinus brutia var. eldarica	Afghan Pine	13.0	132.73	70	50	80	67%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 3,511.08	$ 2,341	$ 600.00	$ 2,900	SAVE
196	Calocedrus decurrens	Incense Cedar	8.0	50.27	90	90	80	87%	80%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 1,329.64	$ 922	$ 600.00	$ 1,500	SAVE
197	Calocedrus decurrens	Incense Cedar	6.0	28.27	30	30	80	47%	80%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 747.92	$ 279	$ 600.00	$ 900	SAVE
199	Pinus brutia var. eldarica	Afghan Pine	11.0	95.03	70	70	80	73%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 2,513.85	$ 1,843	$ 600.00	$ 2,400	SAVE
200	Pinus brutia var. eldarica	Afghan Pine	12.0	113.10	70	70	80	73%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 2,991.69	$ 2,194	$ 600.00	$ 2,800	SAVE
202	Quercus lobata	Valley Oak	60.0	2827.44	70	50	80	67%	80%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 74,792.24	$ 39,688	$ 600.00	$ 40,500	SAVE
203	Quercus lobata	Valley Oak	17.0	226.98	50	70	80	67%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 6,004.16	$ 4,003	$ 600.00	$ 4,600	REMOVE
204	Quercus lobata	Valley Oak	10.0	78.54	70	50	80	67%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 2,077.56	$ 1,385	$ 600.00	$ 2,000	REMOVE
205	Quercus lobata	Valley Oak	7.0	38.48	30	30	50	37%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 1,018.01	$ 373	$ 600.00	$ 1,000	REMOVE
206	Quercus lobata	Valley Oak	21.0	346.36	50	50	50	50%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 9,162.05	$ 4,581	$ 600.00	$ 5,200	SAVE
207	Quercus agrifolia	Coast Live Oak	9.0	63.62	90	90	90	90%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 1,682.83	$ 1,515	$ 600.00	$ 2,100	SAVE
208	Quercus lobata	Valley Oak	11.0	95.03	50	50	80	60%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 2,513.85	$ 1,508	$ 600.00	$ 2,100	SAVE
209	Quercus agrifolia	Coast Live Oak	28.0	615.75	70	50	80	67%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 16,288.09	$ 10,859	$ 600.00	$ 11,500	SAVE
210	Quercus lobata	Valley Oak	18.0	254.47	30	30	50	37%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 6,731.30	$ 2,468	$ 600.00	$ 3,100	SAVE
211	Quercus lobata	Valley Oak	32.0	804.25	50	50	80	60%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 21,274.24	$ 12,765	$ 600.00	$ 13,400	SAVE
212	Olea europaea	Olive	10.0	78.54	50	50	80	60%	70%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 2,077.56	$ 873	$ 600.00	$ 1,500	SAVE
213	Olea europaea	Olive	12.0	113.10	50	50	80	43%	70%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 2,991.69	$ 907	$ 600.00	$ 1,500	SAVE
214	Quercus lobata	Valley Oak	11.0	95.03	30	30	50	37%	80%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 2,513.85	$ 737	$ 600.00	$ 1,300	SAVE
215	Olea europaea	Olive	9.0	63.62	70	50	80	67%	70%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 1,682.83	$ 785	$ 600.00	$ 1,400	SAVE
216	Quercus agrifolia	Coast Live Oak	20.0	314.16	50	30	80	53%	80%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 8,310.25	$ 3,546	$ 600.00	$ 4,100	SAVE
217	Quercus lobata	Valley Oak	35.0	962.12	70	70	80	73%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 25,450.14	$ 18,663	$ 600.00	$ 19,300	SAVE
218	Olea europaea	Olive	5.0	19.64	50	50	80	60%	70%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 519.39	$ 218	$ 600.00	$ 800	SAVE
219	Quercus lobata	Valley Oak	9.0	63.62	30	30	50	37%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 1,682.83	$ 617	$ 600.00	$ 1,200	SAVE
220	Quercus lobata	Valley Oak	9.0	63.62	0	0	0	0%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 1,682.83	$ -	$ 600.00	$ 600	REMOVE
221	Quercus lobata	Valley Oak	13.0	132.73	30	30	50	37%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 3,511.08	$ 1,287	$ 600.00	$ 1,900	SAVE
222	Quercus lobata	Valley Oak	19.0	283.53	50	50	80	60%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 7,500.00	$ 4,500	$ 600.00	$ 5,100	SAVE
223	Quercus lobata	Valley Oak	23.0	415.48	70	50	80	67%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 10,990.30	$ 7,327	$ 600.00	$ 7,900	SAVE
224	Quercus lobata	Valley Oak	10.0	78.54	30	30	50	37%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 2,077.56	$ 762	$ 600.00	$ 1,400	SAVE
225	Quercus lobata	Valley Oak	11.0	95.03	30	30	50	37%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 2,513.85	$ 922	$ 600.00	$ 1,500	SAVE
226	Quercus lobata	Valley Oak	13.0	132.73	50	30	50	43%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 3,511.08	$ 1,521	$ 600.00	$ 2,100	SAVE
227	Quercus lobata	Valley Oak	28.0	615.75	70	70	80	73%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 16,288.09	$ 11,945	$ 600.00	$ 12,500	SAVE
228	Quercus lobata	Valley Oak	17.5	240.53	50	50	50	50%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 6,362.53	$ 3,181	$ 600.00	$ 3,800	SAVE
229	Quercus lobata	Valley Oak	24.0	452.39	50	50	70	57%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 11,966.76	$ 6,781	$ 600.00	$ 7,400	SAVE
230	Quercus lobata	Valley Oak	14.5	165.13	50	50	50	50%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 4,368.07	$ 2,184	$ 600.00	$ 2,800	SAVE
231	Quercus lobata	Valley Oak	13.5	143.14	50	50	50	50%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 3,786.36	$ 1,893	$ 600.00	$ 2,500	SAVE
232	Quercus lobata	Valley Oak	25.5	510.71	70	50	80	67%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 13,509.35	$ 9,006	$ 600.00	$ 9,600	SAVE
233	Quercus lobata	Valley Oak	17.0	226.98	50	50	80	60%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 6,004.16	$ 3,602	$ 600.00	$ 4,200	SAVE
234	Quercus agrifolia	Coast Live Oak	17.5	240.53	70	70	80	73%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 6,362.53	$ 4,666	$ 600.00	$ 5,300	SAVE
235	Quercus lobata	Valley Oak	18.5	268.80	50	50	70	57%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 7,110.46	$ 4,029	$ 600.00	$ 4,600	SAVE
236	Quercus lobata	Valley Oak	23.5	433.74	50	50	70	57%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 11,473.34	$ 5,502	$ 600.00	$ 7,100	SAVE
237	Quercus agrifolia	Coast Live Oak	34.0	907.92	70	50	70	63%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 24,016.62	$ 15,211	$ 600.00	$ 15,800	SAVE
238	Quercus lobata	Valley Oak	35.0	962.12	50	50	70	57%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 25,450.14	$ 14,422	$ 600.00	$ 15,000	SAVE
239	Quercus lobata	Valley Oak	25.0	490.88	70	50	80	67%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 12,964.76	$ 8,657	$ 600.00	$ 9,300	SAVE
240	Quercus lobata	Valley Oak	18.0	254.47	70	50	80	67%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 6,731.30	$ 4,488	$ 600.00	$ 5,100	SAVE
241	Quercus lobata	Valley Oak	34.0	907.92	70	50	80	67%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 24,016.62	$ 15,011	$ 600.00	$ 16,600	SAVE
242	Quercus lobata	Valley Oak	15.0	176.72	70	70	80	73%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 4,674.52	$ 3,428	$ 600.00	$ 4,000	SAVE
243	Quercus lobata	Valley Oak	14.0	153.94	50	30	80	53%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 4,072.02	$ 2,172	$ 600.00	$ 2,800	SAVE
244	Quercus lobata	Valley Oak	20.5	330.06	50	50	80	60%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 8,730.96	$ 5,239	$ 600.00	$ 5,800	SAVE
245	Quercus lobata	Valley Oak	11.0	95.03	70	30	80	60%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 2,513.85	$ 1,508	$ 600.00	$ 2,100	SAVE
246	Quercus lobata	Valley Oak	19.0	283.53	70	50	80	67%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 7,500.00	$ 5,000	$ 600.00	$ 5,600	SAVE
247	Quercus lobata	Valley Oak	22.0	380.13	70	50	80	67%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 10,055.40	$ 6,704	$ 600.00	$ 7,300	SAVE
248	Olea europaea	Olive	17.0	226.98	50	50	70	57%	70%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 6,004.16	$ 2,382	$ 600.00	$ 3,000	SAVE
249	Quercus lobata	Valley Oak	30.0	706.86	30	30	50	37%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 18,698.06	$ 8,856	$ 600.00	$ 7,500	SAVE
250	Olea europaea	Olive	7.0	38.48	70	50	60	67%	70%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 1,018.01	$ 475	$ 600.00	$ 1,100	SAVE

LOT 10

TREE APPRAISAL TABLE
REPRODUCTION METHOD - TRUNK FORMULA TECHNIQUE

SUBJECT TREE										REPLACEMENT TREE				CALCULATIONS			ADDITIONAL COSTS	TOTAL	
TREE #	BOTANICAL NAME	COMMON NAME	DBH (IN)	CROSS-SECTIONAL AREA =(DBH^2*0.7854	HEALTH %	STRUCTURE %	FORM %	CONDITION %	FUNCTIONAL LIMITATIONS %	EXTERNAL LIMITATIONS %	LCANT	(STD) REPLACEMENT TREE DIAMETER (IN)	CROSS-SECTIONAL AREA =(RTD^2*0.7854	REPLACEMENT TREE COST	UNIT TREE COST	BASIC REPRODUCTION COST	DEPRECIATED REPRODUCTION COST	TOTAL ADDITIONAL COSTS	TOTAL REPRODUCTION COST - ROUNDED	SAVE, REMOVE, OFF-SITE
251	Olea europaea	Olive	10.0	78.54	50	50	70	57%	70%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 2,077.56	$ 824	$ 600.00	$ 1,400	SAVE
252	Olea europaea	Olive	8.0	50.27	70	50	70	63%	70%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 1,329.64	$ 589	$ 600.00	$ 1,200	SAVE
253	Olea europaea	Olive	18.0	254.47	70	70	80	73%	70%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 6,731.30	$ 3,455	$ 600.00	$ 4,100	SAVE
254	Olea europaea	Olive	14.0	153.94	70	70	80	73%	70%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 4,072.02	$ 2,090	$ 600.00	$ 2,700	SAVE
255	Quercus lobata	Valley Oak	17.0	226.98	70	50	80	67%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 6,004.16	$ 4,003	$ 600.00	$ 4,600	SAVE
256	Quercus lobata	Valley Oak	19.0	283.53	50	50	70	57%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 7,500.90	$ 4,250	$ 600.00	$ 4,900	SAVE
257	Quercus lobata	Valley Oak	12.0	113.10	50	30	50	43%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 2,991.69	$ 1,296	$ 600.00	$ 1,900	SAVE
258	Quercus lobata	Valley Oak	14.0	153.94	50	50	70	57%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 4,072.02	$ 2,307	$ 600.00	$ 2,900	SAVE
259	Quercus lobata	Valley Oak	12.0	113.10	50	50	50	50%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 2,991.69	$ 1,496	$ 600.00	$ 2,100	SAVE
260	Quercus lobata	Valley Oak	25.0	490.88	70	50	50	57%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 12,964.76	$ 7,358	$ 600.00	$ 8,000	SAVE
261	Quercus lobata	Valley Oak	17.0	226.98	30	30	30	30%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 6,004.16	$ 1,801	$ 600.00	$ 2,400	SAVE
262	Quercus lobata	Valley Oak	23.0	415.48	50	50	80	60%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 10,990.30	$ 6,594	$ 600.00	$ 7,200	SAVE
263	Quercus lobata	Valley Oak	34.0	907.92	30	30	30	30%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 24,016.62	$ 7,205	$ 600.00	$ 7,800	SAVE
264	Quercus lobata	Valley Oak	15.0	176.72	70	50	70	63%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 4,674.52	$ 2,961	$ 600.00	$ 3,600	SAVE
265	Quercus lobata	Valley Oak	11.0	95.03	50	50	60	53%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 2,513.85	$ 1,341	$ 600.00	$ 1,900	SAVE
266	Quercus agrifolia	Coast Live Oak	17.0	226.98	70	70	80	73%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 6,004.16	$ 4,403	$ 600.00	$ 5,000	SAVE
267	Quercus lobata	Valley Oak	25.0	490.88	50	30	70	50%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 12,964.76	$ 6,492	$ 600.00	$ 7,100	SAVE
268	Quercus lobata	Valley Oak	13.0	132.73	50	50	70	57%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 3,511.08	$ 1,990	$ 600.00	$ 2,600	SAVE
269	Quercus lobata	Valley Oak	13.0	132.73	50	50	70	57%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 3,511.08	$ 1,990	$ 600.00	$ 2,600	SAVE
270	Quercus lobata	Valley Oak	17.0	226.98	50	50	70	57%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 6,004.16	$ 3,402	$ 600.00	$ 4,000	SAVE
271	Quercus lobata	Valley Oak	16.0	201.06	50	30	70	50%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 5,318.96	$ 2,659	$ 600.00	$ 3,300	SAVE
272	Quercus lobata	Valley Oak	12.0	113.10	50	30	50	43%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 2,991.69	$ 1,296	$ 600.00	$ 1,900	SAVE
273	Quercus lobata	Valley Oak	14.0	153.94	70	50	80	67%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 4,072.02	$ 2,715	$ 600.00	$ 3,300	SAVE
274	Quercus lobata	Valley Oak	9.0	63.62	70	50	80	67%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 1,682.83	$ 1,122	$ 600.00	$ 1,700	SAVE
275	Quercus lobata	Valley Oak	17.0	226.98	70	70	80	73%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 6,004.16	$ 4,403	$ 600.00	$ 5,000	SAVE
276	Quercus lobata	Valley Oak	14.0	153.94	70	50	80	67%	80%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 4,072.02	$ 2,172	$ 600.00	$ 2,800	SAVE
277	Quercus lobata	Valley Oak	12.0	113.10	0	0	0	0%	80%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 2,991.69	$ -	$ 600.00	$ 600	REMOVE
278	Quercus agrifolia	Coast Live Oak	20.0	314.16	70	70	80	73%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 8,310.25	$ 6,094	$ 600.00	$ 6,700	OFF-SITE
279	Quercus lobata	Valley Oak	11.0	95.03	50	30	70	50%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 2,513.85	$ 1,257	$ 600.00	$ 1,900	SAVE
280	Quercus lobata	Valley Oak	8.0	50.27	70	50	80	67%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 1,329.64	$ 886	$ 600.00	$ 1,500	SAVE
281	Umbellularia californica	California Bay	8.0	50.27	90	90	90	90%	100%	100%	24" Box	2.24	3.94	$ 76.13	$ 76.13	$ 3,826.53	$ 3,444	$ 600.00	$ 4,000	SAVE
282	Quercus lobata	Valley Oak	11.0	95.03	50	30	50	43%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 2,513.85	$ 1,089	$ 600.00	$ 1,700	SAVE
283	Quercus lobata	Valley Oak	13.0	132.73	70	50	70	63%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 3,511.08	$ 2,224	$ 600.00	$ 2,800	SAVE
284	Quercus lobata	Valley Oak	14.0	153.94	50	50	70	57%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 4,072.02	$ 2,307	$ 600.00	$ 2,900	SAVE
285	Quercus lobata	Valley Oak	16.0	201.06	30	30	50	37%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 5,318.96	$ 1,950	$ 600.00	$ 2,600	SAVE
286	Quercus lobata	Valley Oak	16.0	201.06	30	30	50	37%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 5,318.96	$ 1,950	$ 600.00	$ 2,600	SAVE
287	Quercus lobata	Valley Oak	9.0	63.62	30	30	50	37%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 1,682.83	$ 617	$ 600.00	$ 1,200	SAVE
288	Quercus lobata	Valley Oak	14.0	153.94	30	30	50	37%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 4,072.02	$ 1,493	$ 600.00	$ 2,100	SAVE
289	Quercus lobata	Valley Oak	22.0	380.13	70	70	70	70%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 10,055.92	$ 7,039	$ 600.00	$ 7,600	SAVE
290	Pinus halepensis	Afghan Pine	7.0	38.48	90	70	80	80%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 1,018.01	$ 814	$ 600.00	$ 1,400	SAVE
291	Pinus halepensis	Afghan Pine	4.0	12.57	50	50	70	57%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 332.41	$ 188	$ 600.00	$ 800	SAVE
292	Pinus halepensis	Afghan Pine	10.0	78.54	70	70	70	70%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 2,077.56	$ 1,454	$ 600.00	$ 2,100	SAVE
293	Quercus lobata	Valley Oak	10.0	78.54	0	0	0	0%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 2,077.56	$ -	$ 600.00	$ 600	REMOVE
294	Pinus halepensis	Afghan Pine	8.0	50.27	70	70	70	70%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 1,329.64	$ 931	$ 600.00	$ 1,500	SAVE
295	Quercus lobata	Valley Oak	20.0	314.16	50	30	50	43%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 8,310.25	$ 3,601	$ 600.00	$ 4,200	SAVE
296	Quercus lobata	Valley Oak	12.0	113.10	70	50	70	63%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 2,991.69	$ 1,895	$ 600.00	$ 2,500	SAVE
297	Pinus halepensis	Afghan Pine	14.0	153.94	70	70	70	70%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 4,072.02	$ 2,850	$ 600.00	$ 3,500	SAVE
298	Pinus halepensis	Afghan Pine	13.0	132.73	70	70	70	70%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 3,511.08	$ 2,458	$ 600.00	$ 3,100	SAVE
299	Quercus lobata	Valley Oak	19.0	283.53	70	70	70	70%	100%	100%	24" Box	3.8	11.34	$

LOT 10

TREE APPRAISAL TABLE
REPRODUCTION METHOD - TRUNK FORMULA TECHNIQUE

SUBJECT TREE											REPLACEMENT TREE				CALCULATIONS			ADDITIONAL COSTS	TOTAL	
TREE #	BOTANICAL NAME	COMMON NAME	DBH (IN)	CROSS-SECTIONAL AREA =(DBH*2*0.7854	HEALTH %	STRUCTURE %	FORM %	CONDITION %	FUNCTIONAL LIMITATIONS %	EXTERNAL LIMITATIONS %	LCANT	(STD) REPLACEMENT TREE DIAMETER (IN)	CROSS-SECTIONAL AREA =(STD*2*0.7854	REPLACEMENT TREE COST	UNIT TREE COST	BASIC REPRODUCTION COST	DEPRECIATED REPRODUCTION COST	TOTAL ADDITIONAL COSTS	TOTAL REPRODUCTION COST - ROUNDED	SAVE, REMOVE, OFF-SITE
316	Pinus brutia var. eldarica	Afghan Pine	10.0	78.54	30	30	50	37%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 2,077.56	$ 762	$ 600.00	$ 1,400	SAVE
317	Pinus brutia var. eldarica	Afghan Pine	11.0	95.03	50	30	50	43%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 2,513.85	$ 1,089	$ 600.00	$ 1,700	SAVE
318	Pinus brutia var. eldarica	Afghan Pine	10.0	78.54	50	30	50	43%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 2,077.56	$ 900	$ 600.00	$ 1,500	SAVE
319	Calocedrus decurrens	Incense Cedar	5.0	19.64	30	30	30	30%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 519.39	$ 156	$ 600.00	$ 800	SAVE
320	Calocedrus decurrens	Incense Cedar	6.0	28.27	50	70	70	63%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 747.92	$ 474	$ 600.00	$ 1,100	SAVE
321	Calocedrus decurrens	Incense Cedar	5.0	19.64	50	50	50	50%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 519.39	$ 260	$ 600.00	$ 900	SAVE
322	Calocedrus decurrens	Incense Cedar	8.0	50.27	50	50	50	50%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 1,329.64	$ 665	$ 600.00	$ 1,300	SAVE
323	Calocedrus decurrens	Incense Cedar	7.0	38.48	30	30	50	37%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 1,018.01	$ 373	$ 600.00	$ 1,000	SAVE
324	Calocedrus decurrens	Incense Cedar	8.0	50.27	70	50	70	63%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 1,329.64	$ 842	$ 600.00	$ 1,400	SAVE
325	Calocedrus decurrens	Incense Cedar	7.0	38.48	50	50	50	50%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 1,018.01	$ 509	$ 600.00	$ 1,100	SAVE
326	Calocedrus decurrens	Incense Cedar	9.0	63.62	50	50	50	50%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 1,682.83	$ 841	$ 600.00	$ 1,400	SAVE
327	Pinus brutia var. eldarica	Afghan Pine	11.0	95.03	50	50	50	50%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 2,513.85	$ 1,257	$ 600.00	$ 1,900	SAVE
328	Pinus brutia var. eldarica	Afghan Pine	11.0	95.03	50	50	50	50%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 2,513.85	$ 1,257	$ 600.00	$ 1,900	SAVE
329	Calocedrus decurrens	Incense Cedar	5.0	19.64	70	50	70	63%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 519.39	$ 329	$ 600.00	$ 900	SAVE
330	Calocedrus decurrens	Incense Cedar	7.0	38.48	50	50	70	57%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 1,018.01	$ 577	$ 600.00	$ 1,200	SAVE
331	Calocedrus decurrens	Incense Cedar	6.0	28.27	70	70	70	70%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 747.92	$ 524	$ 600.00	$ 1,100	SAVE
332	Pinus brutia var. eldarica	Afghan Pine	13.0	132.73	70	50	70	63%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 3,511.08	$ 2,224	$ 600.00	$ 2,800	SAVE
333	Calocedrus decurrens	Incense Cedar	7.0	38.48	70	70	70	70%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 1,018.01	$ 713	$ 600.00	$ 1,300	SAVE
334	Calocedrus decurrens	Incense Cedar	13.0	132.73	50	50	70	57%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 3,511.08	$ 1,990	$ 600.00	$ 2,600	SAVE
335	Calocedrus decurrens	Incense Cedar	5.0	19.64	50	30	50	43%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 519.39	$ 225	$ 600.00	$ 800	SAVE
336	Calocedrus decurrens	Incense Cedar	6.0	28.27	30	30	50	37%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 747.92	$ 274	$ 600.00	$ 900	SAVE
337	Pinus brutia var. eldarica	Afghan Pine	12.0	113.10	50	50	70	57%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 2,991.69	$ 1,695	$ 600.00	$ 2,300	SAVE
338	Pinus brutia var. eldarica	Afghan Pine	15.0	176.72	70	50	70	63%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 4,674.52	$ 2,961	$ 600.00	$ 3,600	SAVE
339	Calocedrus decurrens	Incense Cedar	3.0	7.07	50	50	70	57%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 186.98	$ 106	$ 600.00	$ 700	SAVE
340	Calocedrus decurrens	Incense Cedar	4.0	12.57	50	50	70	57%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 332.41	$ 188	$ 600.00	$ 800	SAVE
341	Pinus brutia var. eldarica	Afghan Pine	8.0	50.27	50	30	50	43%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 1,329.64	$ 576	$ 600.00	$ 1,200	SAVE
342	Pinus brutia var. eldarica	Afghan Pine	14.0	153.94	50	50	50	50%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 4,072.02	$ 2,036	$ 600.00	$ 2,600	SAVE
343	Pinus brutia var. eldarica	Afghan Pine	15.0	176.72	50	50	70	57%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 4,674.52	$ 2,649	$ 600.00	$ 3,200	SAVE
344	Calocedrus decurrens	Incense Cedar	6.0	28.27	30	30	50	37%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 747.92	$ 274	$ 600.00	$ 900	SAVE
345	Calocedrus decurrens	Incense Cedar	6.0	28.27	70	50	70	63%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 747.92	$ 474	$ 600.00	$ 1,100	SAVE
346	Quercus lobata	Valley Oak	21.0	346.36	50	50	70	57%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 9,162.05	$ 5,192	$ 600.00	$ 5,800	SAVE
347	Quercus lobata	Valley Oak	21.0	346.36	70	50	70	63%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 9,162.05	$ 5,803	$ 600.00	$ 6,400	SAVE
348	Quercus douglasii	Blue Oak	24.0	452.39	70	50	70	63%	100%	100%	24" Box	2.24	3.94	$ 300.00	$ 76.13	$ 34,438.78	$ 21,811	$ 600.00	$ 22,400	SAVE
349	Quercus douglasii	Blue Oak	23.0	415.48	70	50	70	63%	100%	100%	24" Box	2.24	3.94	$ 300.00	$ 76.13	$ 31,628.67	$ 20,031	$ 600.00	$ 20,600	SAVE
350	Quercus lobata	Valley Oak	11.0	95.03	50	50	70	57%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 2,513.85	$ 1,425	$ 600.00	$ 2,000	SAVE
351	Olea europaea	Olive	14.0	153.94	70	50	70	63%	70%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 4,072.02	$ 1,805	$ 600.00	$ 2,400	SAVE
352	Quercus douglasii	Blue Oak	5.0	19.64	30	50	50	43%	100%	100%	24" Box	2.24	3.94	$ 300.00	$ 76.13	$ 1,494.74	$ 648	$ 600.00	$ 1,200	SAVE
353	Quercus lobata	Valley Oak	14.0	153.94	0	0	0	0%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 4,072.02	$ -	$ 600.00	$ 600	REMOVE 5
354	Quercus lobata	Valley Oak	10.0	78.54	50	30	50	43%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 2,077.56	$ 900	$ 600.00	$ 1,500	SAVE
355	Quercus lobata	Valley Oak	20.0	314.16	50	30	50	43%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 8,310.25	$ 3,601	$ 600.00	$ 4,200	SAVE
356	Snag	Snag	9.0	63.62	0	0	0	0%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 1,682.83	$ -	$ 600.00	$ 600	REMOVE 5
357	Quercus douglasii	Blue Oak	24.0	452.39	50	50	50	50%	100%	100%	24" Box	2.24	3.94	$ 300.00	$ 76.13	$ 34,438.78	$ 17,219	$ 600.00	$ 17,800	SAVE
358	Quercus lobata	Valley Oak	8.0	50.27	0	0	0	0%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 1,329.64	$ -	$ 600.00	$ 600	REMOVE 5
359	Quercus lobata	Valley Oak	12.0	113.10	30	30	30	30%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 2,991.69	$ 898	$ 600.00	$ 1,500	SAVE
360	Quercus lobata	Valley Oak	25.0	490.88	50	50	50	50%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 12,984.76	$ 6,492	$ 600.00	$ 7,100	SAVE
361	Quercus lobata	Valley Oak	18.0	254.47	0	0	0	0%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 6,731.30	$ -	$ 600.00	$ 600	REMOVE 5
362	Quercus lobata	Valley Oak	19.0	283.53	50	30	50	43%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 7,500.00	$ 3,250	$ 600.00	$ 3,900	SAVE
363	Quercus agrifolia	Coast Live Oak	21.0	346.36	70	70	70	70%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 9,162.05	$ 6,413	$ 600.00	$ 7,000	SAVE
364	Quercus lobata	Valley Oak	13.0	132.73	50	50	50	50%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 3,511.08	$ 1,756	$ 600.00	$ 2,400	SAVE
366	Quercus lobata	Valley Oak	9.0	63.62	70	30	30	43%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 1,682.83	$ 729	$ 600.00	$ 1,300	SAVE
367	Quercus lobata	Valley Oak	16.0	201.06	70	30	50	50%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 5,318.56	$ 2,659	$ 600.00	$ 3,300	SAVE
368	Quercus lobata	Valley Oak	17.0	226.98	70	50	50	57%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 6,004.16	$ 3,402	$ 600.00	$ 4,000	SAVE
369	Quercus agrifolia	Coast Live Oak	19.0	283.53	70	70	70	70%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 7,500.00	$ 5,250	$ 600.00	$ 5,900	SAVE
370	Snag	Snag	7.0	38.48	0	0	0	0%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 1,018.01	$ -	$ 600.00	$ 600	REMOVE 5
371	Quercus lobata	Valley Oak	15.0	176.72	70	70	70	70%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 4,674.52	$ 3,272	$ 600.00	$ 3,900	SAVE
372	Quercus lobata	Valley Oak	8.0	50.27	50	50	50	50%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 1,329.64	$ 665	$ 600.00	$ 1,300	SAVE
373	Snag	Snag	8.0	50.27	0	0	0	0%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 1,329.64	$ -	$ 600.00	$ 600	REMOVE 5
374	Olea europaea	Olive	18.0	254.47	70	70	70	70%	70%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 6,731.30	$ 3,298	$ 600.00	$ 3,900	SAVE
375	Quercus lobata	Valley Oak	18.0	254.47	50	70	70	63%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 6,731.30	$ 4,263	$ 600.00	$ 4,900	SAVE
376	Quercus agrifolia	Coast Live Oak	20.0	314.16	0	0	0	0%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 8,310.25	$ -	$ 600.00	$ 600	REMOVE 5
377	Quercus agrifolia	Coast Live Oak	30.0	706.86	70	70	70	70%	80%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 10,696.06	$ 10,471	$ 600.00	$ 11,100	SAVE
378	Quercus lobata	Valley Oak	9.0	63.62	0	0	0	0%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 1,682.83	$ -	$ 600.00	$ 600	REMOVE 5
379	Quercus agrifolia	Coast Live Oak	10.0	78.54	0	0	0	0%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 2,077.56	$ -	$ 600.00	$ 600	REMOVE 5
380	Pinus halepensis	Afghan Pine	13.0	132.73	70	50	70	63%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 3,511.08	$ 2,224	$ 600.00	$ 2,800	SAVE
381	Quercus lobata	Valley Oak	9.0	63.62	50	50	70	57%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 1,682.83	$ 954	$ 600.00	$ 1,600	SAVE
382	Quercus douglasii	Blue Oak	23.0	415.48	70	50	70	63%	100%	100%	24" Box	2.24	3.94	$ 300.00	$ 76.13	$ 31,628.67	$ 20,031	$ 600.00	$ 20,600	SAVE
383	Pinus halepensis	Afghan Pine	5.0	19.64	70	50	50	57%	80%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 519.39	$ 235	$ 600.00	$ 800	SAVE
384	Pinus halepensis	Afghan Pine	11.0	95.03	70	30	50	50%	80%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 2,513.85	$ 1,006	$ 600.00	$ 1,600	SAVE
385	Quercus agrifolia	Coast Live Oak	22.0	380.13	30	30	50	37%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 10,055.40	$ 3,687	$ 600.00	$ 4,300	SAVE
644	Quercus agrifolia	Coast Live Oak	14.0	153.94	90	90	90	90%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 4,072.02	$ 3,665	$ 600.00	$ 4,300	SAVE
645	Prunus domestica	Plum	5.0	19.64	0	30	30	20%	100%	100%	24" Box	2.24	3.94	$ 300.00	$ 76.13	$ 1,494.74	$ 299	$ 600.00	$ 900	REMOVE 5
646	Quercus agrifolia	Coast Live Oak	8.0	50.27	90	90	90	90%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 1,329.64	$ 1,197	$ 600.00	$ 1,800	SAVE
652	Quercus lobata	Valley Oak	15.0	176.72	50	30	50	43%	100%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 4,674.52	$ 2,026	$ 600.00	$ 2,600	SAVE
675	Quercus agrifolia	Coast Live Oak	30.0	706.86	70	50	50	57%	80%	100%	24" Box	3.8	11.34	$ 300.00	$ 26.45	$ 10,696.06	$ 8,476	$ 600.00	$ 9,100	SAVE

HMH
Land Use Entitlements
Land Planning
Landscape Architecture
Civil Engineering
Utility Design
Land Surveying
Stormwater Compliance

1570 Oakland Road (408) 487-2200
San Jose, CA 95131 HMHca.com

SURREY FARMS ESTATES
TWIN OAKS DRIVE, LOS GATOS
DEVELOPMENT REVIEW PLAN SET
LOT 10 | APP #S-24-032

NO	DATE	DESCRIPTION
5	9/15/2025	PER CITY COMMENTS
4	7/25/2025	PER CITY COMMENTS
3	4/18/2025	PER CITY COMMENTS
2	3/31/2025	PER CITY COMMENTS
1	1/8/2025	PER CITY COMMENTS

PROJECT NO:	4185.10
CAD DWG FILE:	418510CL - LOT 10.DWG
DESIGNED BY:	JN
DRAWN BY:	JN
CHECKED BY:	ST
DATE:	JUNE 6, 2025
SCALE:	NONE

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TREE APPRAISAL TABLE

T-5

S:\PROJECTS\4185\10\LAPLANNING\4185510CL - LOT 10.DWG
PLOTTED: 9/15/2025 9:18 PM

TREE PROTECTION NOTES

SITE PREPARATION:
ALL EXISTING TREES SHALL BE FENCED WITHIN OR AT THE DRIP LINE (FOLIAR SPREAD) OF THE TREE. DEPENDING ON THE LOCATION OF THE TREE THE FENCING MAY NOT BE ABLE TO BE AT THE DRIPLINE. EXAMPLES OF THIS WOULD BE PUBLIC RIGHT OF WAY, NEAR PROPERTY LINES OR AROUND EXISTING STRUCTURES TO REMAIN. WHERE COMPLETE DRIP LINE FENCING IS NOT POSSIBLE, THE ADDITION OF STRAW WADDLES AND ORANGE SNOW FENCING WRAPPING THE TRUNK SHALL BE INSTALLED PER THE TREE PROTECTION DETAIL. THE FENCE SHOULD BE A MINIMUM OF SIX FEET HIGH, MADE OF GALVANIZED 11-GAUGE WIRE MESH WITH GALVANIZED POSTS OR ANY MATERIAL SUPERIOR IN QUALITY. A TREE PROTECTION ZONE (TPZ) SIGN SHALL BE AFFIXED TO FENCING AT APPROPRIATE INTERVALS AS DETERMINED BY THE ARBORIST ON SITE. SEE TREE PROTECTION DETAIL FOR ADDITIONAL INFORMATION, INCLUDING TREE PROTECTION ZONE SIGN. IF THE FENCE IS WITHIN THE DRIP LINE OF THE TREES, THE FOLIAR FRINGE SHALL BE RAISED TO OFFSET THE CHANCE OF LIMB DAMAGE FROM ACTIVE CONSTRUCTION.

ACTIVE CONSTRUCTION:
ALL CONTRACTORS, SUBCONTRACTORS AND OTHER PERSONNEL SHALL BE WARNED THAT ENCROACHMENT WITHIN THE FENCED AREA AND DRIPLINE IS PROHIBITED WITHOUT THE CONSENT OF THE CERTIFIED ARBORIST ON THE JOB. THIS INCLUDES, BUT IS NOT LIMITED TO, STORAGE OF LUMBER AND OTHER MATERIALS, DISPOSAL OF PAINTS, SOLVENTS OR OTHER NOXIOUS MATERIALS, PARKED CARS, GRADING EQUIPMENT OR OTHER HEAVY EQUIPMENT. IF CONSTRUCTION ACTIVITY NEEDS TO HAPPEN IN THE TPZ THE FENCE CAN BE MOVED TEMPORARILY FOR DELIVERY OF CONSTRUCTION MATERIALS. THE CONTRACTOR SHOULD MAKE ACCOMMODATIONS TO OFF LOAD ITEMS SUCH AS TRUSSES, TIMBER, PLASTERBOARD, WALLBOARD, CONCRETE, GYPSUM BOARD, FLOORING, ROOFING OR ANY OTHER HEAVY CONSTRUCTION MATERIAL OUTSIDE THE FOLIAR SPREAD OF THE TREE SO THERE IS NO HEAVY EQUIPMENT NEEDED THAT COULD CAUSE DAMAGE TO THE CANOPY OF THE TREE OR COMPACT THE ROOT ZONE. THE TREE PROTECTION FENCING SHOULD BE REESTABLISHED PER THE PLANS AND DETAILS IMMEDIATELY AFTER ANY ACTIVITY THROUGH THE TPZ. PENALTIES, BASED ON THE COST OF REMEDIAL REPAIRS AND THE EVALUATION GUIDE PUBLISHED BY THE INTERNATIONAL SOCIETY OF ARBORICULTURE, SHALL BE ASSESSED FOR DAMAGES TO THE TREES.

GRADING/EXCAVATING:
ALL GRADING PLANS THAT SPECIFY GRADING WITHIN THE DRIP LINE OF ANY TREE, OR WITHIN THE DISTANCE FROM THE TRUNK AS OUTLINED IN THE SITE PREPARATION SECTION ABOVE WHEN SAID DISTANCE IS OUTSIDE THE DRIP LINE, SHALL FIRST BE REVIEWED BY A CERTIFIED ARBORIST. PROVISIONS FOR AERATION, DRAINAGE, PRUNING, TUNNELING BENEATH ROOTS, ROOT PRUNING OR OTHER NECESSARY ACTIONS TO PROTECT THE TREES SHALL BE OUTLINED BY AN ARBORIST. IF TRENCHING IS NECESSARY WITHIN THE AREA AS DESCRIBED ABOVE, SAID TRENCHING SHALL BE UNDERTAKEN BY HAND LABOR AND DUG DIRECTLY BENEATH THE TRUNK OF THE TREE. ALL ROOTS 2 INCHES OR LARGER SHALL BE TUNNELED UNDER AND OTHER ROOTS SHALL BE CUT SMOOTHLY TO THE TRUNK SIDE OF THE TRENCH. THE TRUNK SIDE SHOULD BE DRAPED IMMEDIATELY WITH TWO LAYERS OF UNTREATED BURLAP TO A DEPTH OF 3 FEET FROM THE SURFACE. THE BURLAP SHALL BE SOAKED NIGHTLY AND LEFT IN PLACE UNTIL THE TRENCH IS BACK FILLED TO THE ORIGINAL LEVEL. AN ARBORIST SHALL EXAMINE THE TRENCH PRIOR TO BACK FILLING TO ASCERTAIN THE NUMBER AND SIZE OF ROOTS CUT, SO AS TO SUGGEST THE NECESSARY REMEDIAL REPAIRS.

REMEDIAL REPAIRS:
AN ARBORIST SHALL HAVE THE RESPONSIBILITY OF OBSERVING ALL ONGOING ACTIVITIES THAT MAY AFFECT THE TREES AND PRESCRIBING NECESSARY REMEDIAL WORK TO ENSURE THE HEALTH AND STABILITY OF THE TREES. THIS INCLUDES, BUT IS NOT LIMITED TO, ALL ARBORIST ACTIVITIES BROUGHT OUT IN THE PREVIOUS SECTIONS. IN ADDITION, PRUNING, AS OUTLINED IN INTERNATIONAL SOCIETY OF ARBORICULTURE BEST MANAGEMENT PRACTICES: PRUNING AND ANSI A300 PART 1 STANDARD PRACTICES: PRUNING, SHALL BE PRESCRIBED AS NECESSARY. FERTILIZING, AERATION, IRRIGATION, PEST CONTROL AND OTHER ACTIVITIES SHALL BE PRESCRIBED ACCORDING TO THE TREE NEEDS, LOCAL SITE REQUIREMENTS, AND STATE AGRICULTURAL PEST CONTROL LAWS. ALL SPECIFICATIONS SHALL BE IN WRITING. FOR PEST CONTROL OPERATIONS, CONSULT THE LOCAL COUNTY AGRICULTURAL COMMISSIONER'S OFFICE FOR INDIVIDUALS LICENSED AS PEST CONTROL ADVISORS OR PEST CONTROL OPERATORS.

FINAL INSPECTION:
UPON COMPLETION OF THE PROJECT, THE ARBORIST SHALL REVIEW ALL WORK UNDERTAKEN THAT MAY IMPACT THE EXISTING TREES. SPECIAL ATTENTION SHALL BE GIVEN TO CUTS AND FILLS, COMPACTING, DRAINAGE, PRUNING AND FUTURE REMEDIAL WORK. AN ARBORIST SHOULD SUBMIT A FINAL REPORT IN WRITING OUTLINING THE ONGOING REMEDIAL CARE FOLLOWING THE FINAL INSPECTION.

TREE REMOVAL NOTES

1. CONSTRUCTION PROTECTION FOR TREES MUST BE PROVIDED BEFORE GRADING OR OTHER EQUIPMENT IS ALLOWED ON THE PROPERTY. SEE DETAILS AND NOTES ON THIS SHEET.
2. ALL TREES SHOWN FOR REMOVAL ARE PERMITTED UNDER CITY ²D PERMIT. A NESTING BIRD SURVEY MAY BE REQUIRED IF TREE REMOVAL IS TO TAKE PLACE BETWEEN FEBRUARY 1 AND AUGUST 31. A QUALIFIED BIOLOGIST MUST COMPLETE THIS REPORT PRIOR TO TREE REMOVAL DONE DURING THE NESTING SEASON. REFER TO CONDITIONS OF THE PERMIT FOR ADDITIONAL INFORMATION.
3. CONTRACTOR SHALL TAKE CARE WHEN REMOVING TREES ADJACENT TO TREES TO REMAIN. PROVISIONS FOR THE PROTECTION OF EXISTING TREES MUST BE TAKEN INCLUDING WRAPPING THE TRUNK OF THE ADJACENT TREE PER THE TREE PROTECTION DETAIL. WHEN REMOVING ROOTS, CARE MUST BE TAKEN NOT TO DAMAGE ROOTS OF TREE TO REMAIN. ROOT PRUNING MAY BE NECESSARY AND MUST BE DONE UNDER THE SUPERVISION OF THE ARBORIST.
4. THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO BIDDING TO DETERMINE THE EXACT EXTENT OF ALL SITE DEMOLITION ITEMS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION OF ALL EXISTING UTILITIES IN THE FIELD PRIOR TO CONSTRUCTION. LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE AND ARE FOR GENERAL INFORMATION ONLY. HE SHALL BE RESPONSIBLE FOR MAKING HIMSELF FAMILIAR WITH ALL UNDERGROUND CONDITIONS PRIOR TO COMMENCEMENT OF WORK.
5. THESE PLANS MAY NOT SHOW ALL EXISTING CITY ELECTRICAL FACILITIES INCLUDING, BUT NOT LIMITED TO, TRAFFIC SIGNALS, STREETLIGHT AND TRAFFIC SIGNAL COMMUNICATION EQUIPMENT, CONDUIT, PULL BOXES, AND WIRING.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL SUCH FACILITIES AND FOR REPAIRING ANY SUCH FACILITIES THAT ARE DAMAGED DURING CONSTRUCTION. PAYMENT FOR LOCATING, COORDINATING, AND REPAIRING EXISTING CITY ELECTRICAL FACILITIES WILL BE DEEMED INCLUDED IN OTHER ITEMS OF WORK, AND NO ADDITIONAL COMPENSATION SHALL BE MADE THEREOF. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE SPECIFICATIONS & DETAILS.
7. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (U.S.A.) AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION ON THIS PROJECT. CALL U.S.A. AT (800) 624-2444
8. THE CONTRACTOR SHALL BE RESPONSIBLE UNDER THIS CONTRACT FOR REPAIRING AND REPLACING, AT HIS OWN EXPENSE, ANY STRUCTURES, FENCES, WALLS, OR PLANT LIFE DAMAGED OR DESTROYED BY HIS OPERATION. LIKEWISE, HE SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING ANY AND ALL DAMAGES, OCCURRING BY HIS OPERATION, ON ADJACENT PROPERTIES AND ANYWHERE OUTSIDE THE CONTRACT LIMIT LINES. THE DAMAGED ITEMS SHALL BE RESTORED TO THERE ORIGINAL CONDITIONS AND TO THE SATISFACTION OF THE PROJECT SUPERINTENDENT.
9. THE CONTRACTOR SHALL BE RESPONSIBLE TO KEEP ALL STREET RIGHT-OF-WAYS CLEAN TO THE SATISFACTION OF THE PROJECT SUPERINTENDENT ALL ITEMS INDICATED TO BE REMOVED SHALL BE DISPOSED OF FROM THE PROJECT SITE, EXCEPT ITEMS INDICATED TO BE RE-INSTALLED.
10. ALL TREES TO BE REMOVED SHALL HAVE THEIR STUMPS GROUND DOWN TO A MINIMUM DEPTH OF 24" REMOVE ALL LARGE ROOTS FROM PLANTING AREAS A MINIMUM DISTANCE OF 5' BEYOND THE DRIP LINE OF THE TREE.

SEC. 29.10.1005. PROTECTION OF TREES DURING CONSTRUCTION

(A) PROTECTIVE TREE FENCING SHALL SPECIFY THE FOLLOWING:
(1) SIZE AND MATERIALS. SIX (6) FOOT HIGH CHAIN LINK FENCING, MOUNTED ON TWO-INCH DIAMETER GALVANIZED IRON POSTS, SHALL BE DRIVEN INTO THE GROUND TO A DEPTH OF AT LEAST TWO (2ı FEET AT NO MORE THAN 10-FOOT SPACING. FOR PAVING AREA THAT WILL NOT BE DEMOLISHED AND WHEN STIPULATED IN A TREE PRESERVATION PLAN, POSTS MAY BE SUPPORTED BY A CONCRETE BASE.

(2) AREA TYPE TO BE FENCED.
TYPE I: ENCLOSURE WITH CHAIN LINK FENCING OF EITHER THE ENTIRE DRIPLINE AREA OR AT THE TREE PROTECTION ZONE (TPZ), WHEN SPECIFIED BY A CERTIFIED OR CONSULTING ARBORIST.
TYPE II: ENCLOSURE FOR STREET TREES LOCATED IN A PLANTER STRIP: CHAIN LINK FENCE AROUND THE ENTIRE PLANTER STRIP TO THE OUTER BRANCHES.
TYPE III: PROTECTION FOR A TREE LOCATED IN A SMALL PLANTER CUTOUT ONLY (SUCH AS DOWNTOWN): ORANGE PLASTIC FENCING SHALL BE WRAPPED AROUND THE TRUNK FROM THE GROUND TO THE FIRST BRANCH WITH 2-INCH WOODEN BOARDS BOUND SECURELY ON THE OUTSIDE. CAUTION SHALL BE USED TO AVOID DAMAGING ANY BARK OR BRANCHES.

(3) DURATION OF TYPE I, II, III FENCING. FENCING SHALL BE ERECTED BEFORE DEMOLITION, GRADING OR CONSTRUCTION PERMITS ARE ISSUED AND REMAIN IN PLACE UNTIL THE WORK IS COMPLETED. CONTRACTOR SHALL FIRST OBTAIN THE APPROVAL OF THE PROJECT ARBORIST ON RECORD PRIOR TO REMOVING A TREE PROTECTION FENCE.

(4) WARNING SIGN. EACH TREE FENCE SHALL HAVE PROMINENTLY DISPLAYED AN 8.5 X 11-INCH SIGN STATING: "WARNING—TREE PROTECTION ZONE-THIS FENCE SHALL NOT BE REMOVED AND IS SUBJECT TO PENALTY ACCORDING TO TOWN CODE 29.10.1025".

(B) ALL PERSONS, SHALL COMPLY WITH THE FOLLOWING PRECAUTIONS:
(1) PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, INSTALL THE FENCE AT THE DRIPLINE, OR TREE PROTECTION ZONE (TPZ) WHEN SPECIFIED IN AN APPROVED ARBORIST REPORT, AROUND ANY TREE AND/OR VEGETATION TO BE RETAINED WHICH COULD BE AFFECTED BY THE CONSTRUCTION AND PROHIBIT ANY STORAGE OF CONSTRUCTION MATERIALS OR OTHER MATERIALS, EQUIPMENT CLEANING, OR PARKING OF VEHICLES WITHIN THE TPZ. THE DRIPLINE SHALL NOT BE ALTERED IN ANY WAY SO AS TO INCREASE THE ENCROACHMENT OF THE CONSTRUCTION.

(2) PROHIBIT ALL CONSTRUCTION ACTIVITIES WITHIN THE TPZ, INCLUDING BUT NOT LIMITED TO: EXCAVATION,GRADING, DRAINAGE AND LEVELING WITHIN THE DRIPLINE OF THE TREE UNLESS APPROVED BY THE DIRECTOR.

(3) PROHIBIT DISPOSAL OR DEPOSITING OF OIL, GASOLINE, CHEMICALS OR OTHER HARMFUL MATERIALS WITHIN THE DRIPLINE OF OR IN DRAINAGE CHANNELS, SWALES OR AREAS THAT MAY LEAD TO THE DRIPLINE OF A PROTECTED TREE.

(4) PROHIBIT THE ATTACHMENT OF WIRES, SIGNS OR ROPES TO ANY PROTECTED TREE.

(5) DESIGN UTILITY SERVICES AND IRRIGATION LINES TO BE LOCATED OUTSIDE OF THE DRIPLINE WHEN FEASIBLE.

(6) RETAIN THE SERVICES OF A CERTIFIED OR CONSULTING ARBORIST WHO SHALL SERVE AS THE PROJECT ARBORIST FOR PERIODIC MONITORING OF THE PROJECT SITE AND THE HEALTH OF THOSE TREES TO BE PRESERVED. THE PROJECT ARBORIST SHALL BE PRESENT WHENEVER ACTIVITIES OCCUR WHICH MAY POSE A POTENTIAL THREAT TO THE HEALTH OF THE TREES TO BE PRESERVED AND SHALL DOCUMENT ALL SITE VISITS.

(7) THE DIRECTOR AND PROJECT ARBORIST SHALL BE NOTIFIED OF ANY DAMAGE THAT OCCURS TO A PROTECTED TREE DURING CONSTRUCTION SO THAT PROPER TREATMENT MAY BE ADMINISTERED. (ORD. NO. 2114, §§ I, II, 8-4-03)

SEC. 29.10.1010. PRUNING AND MAINTENANCE

ALL PRUNING SHALL BE IN ACCORDANCE WITH THE CURRENT VERSION OF THE INTERNATIONAL SOCIETY OF ARBORICULTURE BEST MANAGEMENT PRACTICES—TREE PRUNING AND ANSI A300-PART 1 TREE, SHRUB AND OTHER WOODY PLANT MANAGEMENT—STANDARD PRACTICES, (PRUNING) AND ANY SPECIAL CONDITIONS AS DETERMINED BY THE DIRECTOR. FOR DEVELOPMENTS, WHICH REQUIRE A TREE PRESERVATION REPORT, A CERTIFIED OR CONSULTING ARBORIST SHALL BE IN REASONABLE CHARGE OF ALL ACTIVITIES INVOLVING PROTECTED TREES, INCLUDING PRUNING, CABLING AND ANY OTHER WORK IF SPECIFIED.

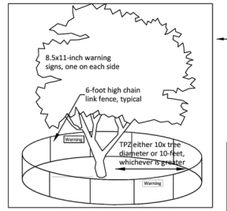
(1) ANY PUBLIC UTILITY INSTALLING OR MAINTAINING ANY OVERHEAD WIRES OR UNDERGROUND PIPES OR CONDUITS IN THE VICINITY OF A PROTECTED TREE SHALL OBTAIN PERMISSION FROM THE DIRECTOR BEFORE PERFORMING ANY WORK, INCLUDING PRUNING, WHICH MAY CAUSE INJURY TO A PROTECTED TREE. (E.G. CABLE TV/FIBER OPTIC TRENCHING, GAS, WATER, SEWER TRENCH, ETC.).

(2) PRUNING FOR CLEARANCE OF UTILITY LINES AND ENERGIZED CONDUCTORS SHALL BE PERFORMED IN COMPLIANCE WITH THE CURRENT VERSION OF THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) A300 (PART 1)- PRUNING, SECTION 5.9 UTILITY PRUNING. USING SPIKES OR GAFFS WHEN PRUNING, EXCEPT WHERE NO OTHER ALTERNATIVE IS AVAILABLE, IS PROHIBITED.

(3) NO PERSON SHALL PRUNE, TRIM, CUT OFF, OR PERFORM ANY WORK, ON A SINGLE OCCASION OR CUMULATIVELY, OVER A THREE-YEAR PERIOD, AFFECTING TWENTY-FIVE PERCENT OR MORE OF THE CROWN OF ANY PROTECTED TREE WITHOUT FIRST OBTAINING A PERMIT PURSUANT TO THIS DIVISION EXCEPT FOR POLLARDING OF FRUITLESS MULBERRY TREES (MORUS ALBA) OR OTHER SPECIES APPROVED BY THE TOWN ARBORIST. APPLICATIONS FOR A PRUNING PERMIT SHALL INCLUDE PHOTOGRAPHS INDICATING WHERE PRUNING IS PROPOSED.

(4) NO PERSON SHALL REMOVE ANY HERITAGE TREE OR LARGE PROTECTED TREE BRANCH OR ROOT THROUGH PRUNING OR OTHER METHOD GREATER THAN FOUR (4) INCHES IN DIAMETER (12.5" IN CIRCUMFERENCE) WITHOUT FIRST OBTAINING A PERMIT PURSUANT TO THIS DIVISION.

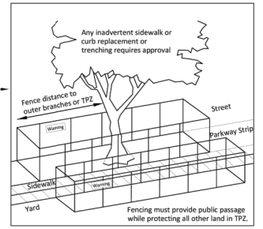
Tree Protection Zone (TPZ) shown in gray (radius of TPZ equals 10-times the diameter of the tree or 10-feet, whichever is greater).



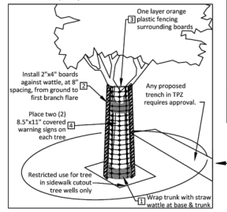
Type I Tree Protection: Layout configuration applies to all Protected Trees, matching the site diagram with the tree preservation report (TPR) distances written for this project. Fencing should be shown on plans as it will be installed. A curved fence for a TPZ is generally not practical.

Inspection pass/fail is dependent on correct layout and mounted sign placard.

Place two (2) 8.5"x11" covered warning signs at each tree.



Type II Tree Protection: Layout configuration applies to all parkway strip or public trees near sidewalk.

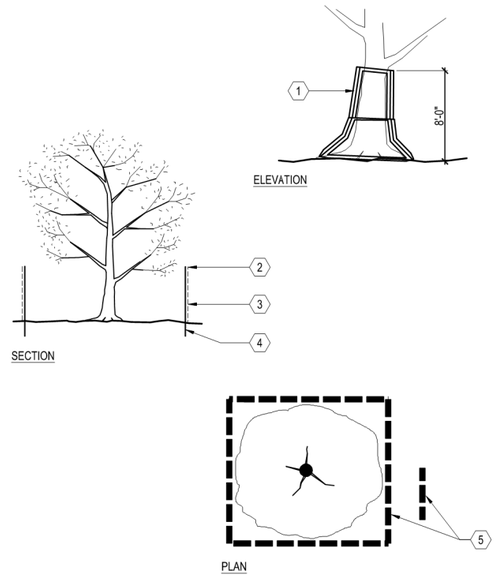


Type III Tree Protection: Layout for trunk protection applies to all Protected Trees when exclusively authorized for sidewalk cut-out. To be used only with approval from Public Works Operations.

Required protection shall be executed before demolition, excavation or site work occurs.

NOTES:
1. CONSTRUCTION PERIOD PROTECTION FOR TREES SHOULD BE PROVIDED BEFORE GRADING OR OTHER EQUIPMENT IS ALLOWED ON THE PROPERTY.
2. WHEN CONSTRUCTION IS TO TAKE PLACE BENEATH A TREE CANOPY ON ONE SIDE, THE FENCE SHOULD BE SITED 2 TO 3 FEET BEYOND THAT CONSTRUCTION, BUT BETWEEN CONSTRUCTION AND THE TREE TRUNK.
3. IF CONSTRUCTION OR PAVING IS TO TAKE PLACE THROUGHOUT THE AREA BENEATH CANOPY, AND DRIP LINE FENCING IS NOT PRACTICAL, SNOW FENCING SHOULD BE USED TO PROTECT THE TRUNKS FROM DAMAGE.

1. SNOW FENCING THREE LAYERS OF WIRE AND LATH SNOW FENCING TO 8 FEET ABOVE GROUND ON TREES WHERE CONSTRUCTION WILL TAKE PLACE BENEATH THE CANOPY.
2. TOP OF FENCE WITH FLUORESCENT FLAGGING TAPE HUNG EVERY 10 FEET
3. 6' CHAIN LINK OR WELDED WIRE MESH
4. 8' FENCE POST OF 2" DIAMETER GI PIPE OR T-ANGLE POST
5. FENCE PLACED AT DRIP LINE OR 50% GREATER THAN THE TREE CANOPY RADIUS WHERE POSSIBLE



A TREE PROTECTION FENCING
SCALE: NOT TO SCALE

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San Jose, CA 95131 HMHca.com

SURREY FARMS ESTATES
TWIN OAKS DRIVE, LOS GATOS
DEVELOPMENT REVIEW PLAN SET
LOT 10 | APP #S-24-032

NO	DATE	DESCRIPTION
5	9/15/2025	PER CITY COMMENTS
4	7/25/2025	PER CITY COMMENTS
3	4/18/2025	PER CITY COMMENTS
2	3/31/2025	PER CITY COMMENTS
1	1/8/2025	PER CITY COMMENTS

PROJECT NO:	4185.10
CAD DWG FILE:	418510CL - LOT 10.DWG
DESIGNED BY:	JN
DRAWN BY:	JN
CHECKED BY:	ST
DATE:	JUNE 6, 2025
SCALE:	NONE

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TREE PROTECTION FENCING DETAIL AND NOTES

T-6

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VINE ON POST WITH ACCENT PLANTER, SEE CONCEPT IMAGERY ON SHEET 10.5

PROPERTY LINE

TCM 10, SEE BIORETENTION CELL DETAIL ON SHEET 10.2. SEE CIVIL PLANS FOR MORE INFORMATION

EXISTING STREET RIGHT-OF-WAY

CONCRETE WALK

PERVIOUS PAVERS, TYPICAL

CONCRETE MOTOR COURT

CERRO VISTA COURT

25' FUTURE EASEMENT

LIMIT OF WORK

EXISTING TREE TO REMAIN, TYPICAL

EXISTING LANDSCAPE TO REMIAN AND PROTECT

DRIVE

ZONE 1

ZONE 2

ZONE 3

GARAGE

LOT 10
RESIDENTIAL UNIT

REAR YARD
PER OWNER

POOL

RETAINING WALL, TYPICAL. SEE DETAIL ON SHEET 10.2 AND SEE CONCEPT IMAGERY ON SHEET 10.5.

6' CLEAR VIEW FENCE. SEE CONCEPT IMAGERY ON SHEET 10.5

6' ALUMINUM PRIVACY FENCE. SEE CONCEPT IMAGERY ON SHEET 10.5

LIMIT OF PROPOSED LANDSCAPE BASED ON DISTURBED AREAS RELATED TO GRADING LIMIT.

6' CLEAR VIEW FENCE ON RETAINING WALL. SEE DETAIL ON SHEET 10.2.

REMAINDER OF LOT 10 NOT SHOWN ON SHEET IS TO REMAIN IN EXISTING CONDITIONS

GRAPHIC SCALE
20 0 10 20 40 80
(In Feet)
1 inch = 20 feet

NOTES:
1. SEE HMH CIVIL PLANS FOR WALL LOCATIONS AND GRADING.
2. PROPOSED FENCE LINES SHALL FOLLOW SITE GRADING, TYPICAL.
3. A MINIMUM VERITCAL CLEARANCE OF 13.5 FEET SHALL 3E MAINTAINED OVER FIRE ACCESS ROADS AND DRIVEWAYS.
4. FOR HORIZONTAL AND VERTICAL SPACING FOR PLANTING, SEE SHEET 10.1.
5. CONTRACTOR TO VERIFY ACTUAL CANOPY CLEARANCES WITHIN 100 FT OF EVERY HOME. UNDER ARBORIST SUPERVISION, PRUNE AND TRIM TREES WITHIN ACCORDANCE ON TREE SPACING DIAGRAM ON SHEET 10.1.
6. SEE SHEET 10.5 FOR CONCEPT IMAGERY.

CONSTRUCTION LEGEND

SYMBOL	DESCRIPTION
	6' CLEAR VIEW FENCE
	RETAINING WALL
	6' CLEAR VIEW FENCE ON RETAINING WALL
	6' ALUMINUM PRIVACY FENCE
	6' ALUMINUM PRIVACY GATE

TREE LEGEND

SYMBOL	BOTANICAL NAME
	ARBUTUS UNEDO
	CERCIS OCCIDENTALIS
	FEIJOA SELLOWIANA
	LAGERSTROEMIA INDICA 'NATCHEZ'
	PLATANUS ACERIFOLIA 'COLUMBIA'
	QUERCUS AGRIFOLIA
	QUERCUS DOUGLASII

SHRUB LEGEND

SYMBOL	BOTANICAL NAME
	ACHILLEA MILLEFOLIUM 'MOONSHINE'
	ANIGOZANTHOS FLAVIDUS 'BIG RED'
	ARCTOSTAPHYLOS 'HOWARD MCMINN'
	CAREX DIVULSA
	CEANOTHUS 'CONCHA'
	CEANOTHUS 'DARK STAR'
	EPILOBIUM CANUM
	HETEROMELES ARBUTIFOLIA
	LEUCADENDRON DISCOLOR
	MIMULUS AURANTICAS
	MUHLENBERGIA RIGENS
	NEPETA X FAASSENII
	RHAMNUS CALIFORNICA
	SALVIA SPATHACEA
	WESTRINGIA FRUTICOSA

GROUNDCOVER LEGEND

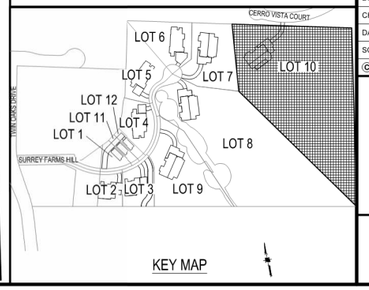
SYMBOL	BOTANICAL NAME
	ARCTOSTAPHYLOS UVA-URSI
	DECORATIVE GRAVEL
	SLOPE STABILIZING - NATIVE HYDROSEED

BIOTREATMENT LEGEND

SYMBOL	BOTANICAL NAME
	JUNCUS PATENS

VINE LEGEND

SYMBOL	BOTANICAL NAME
	TRACHELOSPERMUM JASMINOIDES



KEY MAP

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San Jose, CA 95131 HMHca.com

SURREY FARMS ESTATES
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DESIGNED BY:	JN
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SCALE:	1"=20'

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LANDSCAPE PLAN

10.0

S:\PROJECTS\4185\10\LA\PLANNING\418510CL - LOT 10.DWG

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PLANTING PLAN NOTES

CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO FURNISH AND INSTALL PLANT MATERIAL AS SHOWN ON THE DRAWINGS AND AS DESCRIBED IN THE SPECIFICATIONS.

UNLESS DESIGNATED ON THE DRAWINGS OTHERWISE, STRUCTURAL IMPROVEMENTS AND HARDSCAPE SHALL BE INSTALLED PRIOR TO PLANTING OPERATIONS.

PLANT LIST ON THE DRAWINGS SHALL BE USED AS A GUIDE ONLY. CONTRACTOR SHALL TAKEOFF AND VERIFY SIZES AND QUANTITIES BY PLAN CHECK.

A SOIL MANAGEMENT REPORT SHALL BE PROVIDED BY LANDSCAPE CONTRACTOR AND SOIL AMENDMENTS SHALL BE FOLLOWED PER THE REPORT. PHYSICAL COPIES OF THE SOIL MANAGEMENT REPORT SHALL BE PROVIDED TO THE CLIENT, PROJECT LANDSCAPE ARCHITECT AND LOCAL AGENCY AS REQUIRED. THE SOIL MANAGEMENT REPORT SHALL CONFORM TO STATE AB1881 WATER EFFICIENT LANDSCAPE ORDINANCE (WELO) OR LOCAL AGENCY ADOPTED WELO. CONTRACTOR SHALL OBTAIN A SOILS MANAGEMENT REPORT AFTER GRADING OPERATIONS AND PRIOR TO PLANT INSTALLATION.

SAMPLES OF FERTILIZERS, ORGANIC AMENDMENT, SOIL CONDITIONERS, AND SEED SHALL BE SUBMITTED PRIOR TO INCORPORATION. CONTRACTOR SHALL FURNISH TO THE OWNER'S AUTHORIZED REPRESENTATIVE A CERTIFICATE OF COMPLIANCE FOR SUCH FURNISHED MATERIALS.

ALL WORK ON THE IRRIGATION SYSTEM, INCLUDING HYDROSTATIC, COVERAGE, AND OPERATIONAL TESTS AND THE BACKFILLING AND COMPACTION OF TRENCHES SHALL BE PERFORMED PRIOR TO PLANTING OPERATIONS.

LOCATIONS OF PLANT MATERIAL SHALL BE REVIEWED ON SITE BY THE OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO INSTALLATION.

TREES SHALL BE PLANTED NO CLOSER THAN TEN FEET (10') FROM UTILITIES.

TREES PLANTED WITHIN FIVE FEET (5') OF HARDSCAPE OR STRUCTURES SHALL BE INSTALLED WITH A ROOT BARRIER AS APPROVED BY THE OWNER'S AUTHORIZED REPRESENTATIVE.

CONTRACTOR MUST CONTACT THE CITY OF LOS GATOS ARBORIST TO VERIFY SPECIES (EVEN IF SHOWN ON THE PLANS), LOCATIONS, AND QUANTITIES OF ALL STREET TREES PRIOR TO ORDERING MATERIAL. IF STREET TREES ARE TO BE PLANTED IN TREE WELLS, FINAL LOCATION OF TREE WELLS SHALL BE DETERMINED BY THE ARBORIST PRIOR TO INSTALLATION OF SIDEWALK.

ALL PLANT MATERIAL SHALL BE SELECTED IN ACCORDANCE WITH THE AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z60.1)
FOR STANDARD FORM TREES, CALIPER SIZE SHALL BE MEASURED 6" ABOVE THE SOIL LINE FOR CALIPERS EQUAL TO OR LESS THAN 4" FOR CALIPERS GREATER THAN 4", CALIPER SHALL BE MEASURES 12" ABOVE THE SOIL LINE. FOR MULTI-TRUNK TREES THE CALIPER SHALL BE ESTABLISHED BY TAKING THE AVERAGE OF THE CALIPER OF THE TWO LARGEST TRUNKS.
CALIPER IS MEASURED 6" ABOVE ORIGINATION POINT OF THE SECOND LARGEST TRUNK OR 6" ABOVE GROUND IF ALL TRUNKS ORIGINATE FROM THE SOIL.

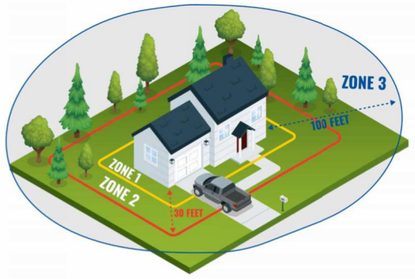
CALIPER SIZES STANDARDS:
15 GALLON: 0.75-1.25"
24" BOX: 1.25-2"
36" BOX: 2-3.5"
48" BOX: 3.5-5"
60" BOX: 4-6"

WATER NEEDS CATEGORY BASED ON WUCOLS IV (JANUARY 2014) LANDSCAPE COEFFICIENT METHOD:

CATEGORY	*PERCENTAGE OF ETo*
(H) HIGH:	0.7-0.9
(M) MEDIUM:	0.4-0.6
(L) LOW:	0.1-0.3
(VL) VERY LOW:	<0.1

Defensible Space Zones

Following are guidelines from Santa Clara County Fire Department on how to create and maintain effective defensible space zones:



Zone 1, extends 0 to 5 feet out: The Noncombustible Zone

- Remove all plants and vegetation, especially those touching your home.
- Clean roofs and gutters of dead leaves, debris and pine needles that could catch embers.
- Replace or repair any loose or missing shingles or roof tiles to prevent ember penetration.
- Reduce embers that could pass through vents in the eaves by installing 1/8 inch metal mesh screening.
- Clean debris from exterior attic vents and install 1/8 inch metal mesh screening to block embers.
- Repair or replace damaged or loose window screens and any broken windows.
- Screen or box-in areas below patios and decks with wire mesh to prevent debris and combustible materials from accumulating.
- Move any flammable material away from wall exteriors – mulch, flammable plants, leaves and needles, firewood piles – anything that can burn. Remove anything stored underneath decks or porches.
- Mandated for new construction

Zone 2, extends 30 feet out: The Clean and Green Zone

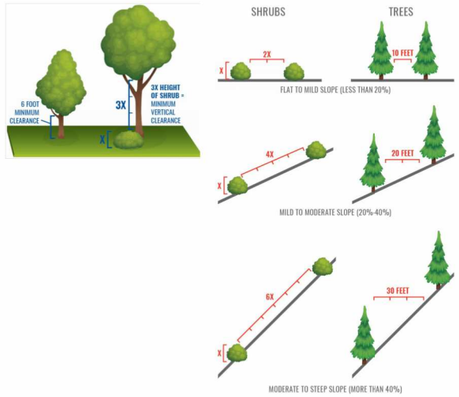
- Remove all dead plants, grass and weeds (vegetation).
- Remove dead or dry leaves and pine needles from your yard, roof and rain gutters.
- Trim trees regularly to keep branches a minimum of 10 feet from other trees.
- Remove branches that hang over your roof and keep dead branches 10 feet away from your chimney.
- Create a separation between trees, shrubs and items that could catch fire, such as patio furniture, wood piles, swing sets, etc.

Zone 3, extends 100 feet out: The Reduced Fuel Zone

- Create horizontal spacing between shrubs and trees. (See diagram below)
- Create vertical spacing between grass, shrubs and trees. (See diagram below)
- Dispose of heavy accumulations of ground litter/debris.
- Remove dead plant and tree material.
- Remove small conifers growing between mature trees.
- Remove vegetation adjacent to storage sheds or other outbuildings within this area.
- Trees 30 to 60 feet from the home should have at least 12 feet between canopy tops.
- Trees 60 to 100 feet from the home should have at least 6 feet between the canopy tops.

Plant and Tree Spacing

For vertical spacing remove all tree branches at least 6 feet from the ground. If there is a shrub near the tree, the branch clearance needs to be 3 times the height of the shrub. *Example: A 5-foot shrub is growing near a tree. 3×5 = 15 feet of clearance needed between the top of the shrub and the lowest tree branch.*



PROPOSED PLANT PALETTE

SYMBOL	QTY.	BOTANICAL NAME	COMMON NAME	MINIMUM CONTAINER SIZE	HxW	WUCOLS	NOTES	HDS&G RECOMMENDED	OTHER FIRE RESISTANT PLANTS
TREES									
	1	ARBUTUS UNEDO **	STRAWBERRY TREE	24" BOX	20' X 20'	L	STANDARD FORM	X	
	2	CERCIS OCCIDENTALIS *	WESTERN REDBUD	24" BOX	15' X 10'	VL	TREE FORM ONLY		X
	2	FEIJOA SELLOWIANA **	PINEAPPLE GUAVA	24" BOX	20' X 15'	VL	MULTI-TRUNK		X
	0	LAGERSTROEMIA INDICA 'NATCHEZ' **	NATCHEZ CRAPE MYRTLE	24" BOX	25' X 15'	L	MULTI-TRUNK		
	0	PLATANUS ACERIFOLIA 'COLUMBIA' **	COLUMBIA LONDON PLANE	36" BOX	60' X 30'	M	STANDARD FORM		
	0	QUERCUS AGRIFOLIA *	COAST LIVE OAK	36" BOX	50' X 15'	M	STANDARD FORM	X	
	0	QUERCUS DOUGLASII *	BLUE OAK	36" BOX	60' X 30'	VL	STANDARD FORM	X	
SHRUBS									
	13	ACHILLEA MILLEFOLIUM 'MOONSHINE' *	YELLOW YARROW	1 GALLON	3' X 3'	L		X	
	20	ANIGOZANTHOS FLAVIDUS 'BIG RED' **	BIG RED KANGAROO PAWS	1 GALLON	2' X 2'	L			
	0	ARCTOSTAPHYLOS 'HOWARD MCMINN' *	HOWARD MCMINN MANZANITA	1 GALLON	8' X 10'	L		X	
	20	CAREX DIVULSA **	FOOTHILL SEDGE	1 GALLON	2' X 2'	L			X
	9	CEANOTHUS 'CONCHA' *	CONCHA CEANOTHUS	1 GALLON	6' X 8'	L		X	
	7	CEANOTHUS 'DARK STAR' *	DARK STAR CEANOTHUS	1 GALLON	5' X 6'	L		X	
	20	EPILOBIUM CANUM *	CALIFORNIA FUCHSIA	1 GALLON	3' X 3'	L			X
	10	HETEROMELES ARBUTIFOLIA *	TOYON	1 GALLON	8' X 5'	L		X	
	10	LEUCADENDRON DISCOLOR **	CONEBUSH	5 GALLON	6' X 6'	L			
	26	MIMULUS AURANTICAS *	STICKY MONKEY FLOWER	1 GALLON	4' X 4'	L			X
	32	MUHLENBERGIA RIGENS *	DEER GRASS	1 GALLON	4' X 4'	L			X
	6	NEPETA X FAASSENII **	CATMINT	1 GALLON	1' X 2'	L			
	4	RHAMNUS CALIFORNICA*	CALIFORNIA COFFEEBERRY	1 GALLON	8' X 8'	L		X	
	5	SALVIA SPATHACEA*	HUMMINGBIRD SAGE	1 GALLON	5' X 4'	L	UPRIGHT FORM		X
	22	WESTRINGIA FRUTICOSA **	COAST ROSEMARY	1 GALLON	4' X 4'	L			
GROUNDCOVERS					SPREAD		SPACING		
		ARCTOSTAPHYLOS UVA-URSI*	BEARBERRY	1 GALLON	1' X 4'		SET @ 36" O.C.	X	
		DECORATIVE GRAVEL							
		SLOPE STABILIZING - NATIVE HYDROSEED	HYDROSEED						
BIOTREATMENT					SPREAD				
	63	JUNCUS PATENS*	CALIFORNIA GRAY RUSH	1 GALLON	2' X 2'				
VINE					SPREAD				
	4	TRACHELOSPERMUM JASMINOIDES	STAR JASMINE	1 GALLON	CLIMBING				

NOTES:
1. *NATIVE PLANT
2. ** ADAPTIVE PLANT
3. BIOTREATMENT PLANTING AREAS TO RECEIVE A 3" THICK LAYER OF NON-FLOATABLE BARK MULCH.
4. TREE SPECIES TO BE APPROVED BY TOWN ARBORIST.

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Stormwater Compliance
1570 Oakland Road (408) 487-2200
San Jose, CA 95131 HMHca.com

SURREY FARMS ESTATES
TWIN OAKS DRIVE, LOS GATOS
DEVELOPMENT REVIEW PLAN SET
LOT 10 | APP #S-24-032

NO	DATE	DESCRIPTION
5	9/15/2025	PER CITY COMMENTS
4	7/25/2025	PER CITY COMMENTS
3	4/18/2025	PER CITY COMMENTS
2	3/31/2025	PER CITY COMMENTS
1	1/8/2025	PER CITY COMMENTS

PROJECT NO:	4185.10
CAD DWG FILE:	418510CL - LOT 10.DWG
DESIGNED BY:	HMH
DRAWN BY:	JN
CHECKED BY:	ST
DATE:	JUNE 6, 2025
SCALE:	NONE

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PLANTING LEGEND AND NOTES

10.1

S:\PROJECTS\4185\10\LA\PLANNING\418510CL - LOT 10.DWG
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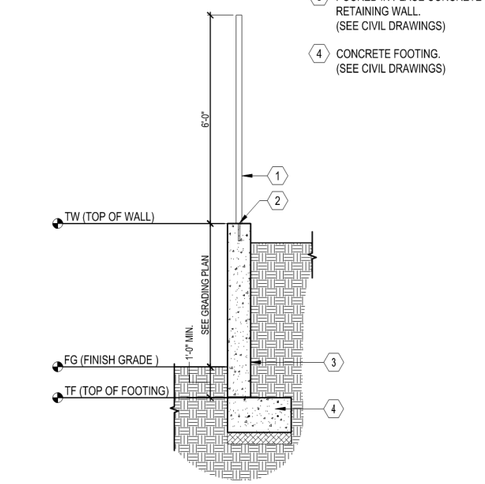
NOTES:
1. SEE CONCEPT IMAGERY COLOR, TYPE, AND FINISH.
2. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL BY THE LANDSCAPE ARCHITECT.

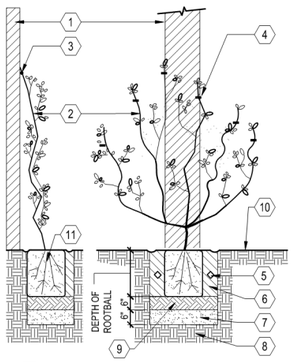
1. 6' PREFABRICATED METAL FENCE.
2. EMBED WELD PLATE AT 8' OC. (SEE CIVIL DRAWINGS)
3. POURED IN PLACE CONCRETE RETAINING WALL. (SEE CIVIL DRAWINGS)
4. CONCRETE FOOTING. (SEE CIVIL DRAWINGS)



I 6' CLEAR VIEW FENCE ON RETAINING WALL
SCALE: 1/2" = 1'-0"

NOTES:
1. SEE PLANTING SPECIFICATIONS PRIOR TO INSTALLATION OF PLANT MATERIALS.
2. ROOTBALL CROWN TO BE 1" ABOVE FINISH GRADE.

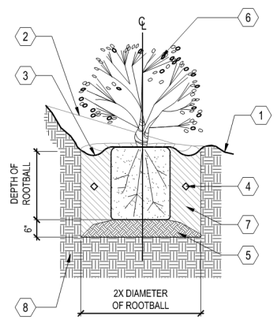
1. TRELLIS OR POST
2. VINE-SEE PLANTING PLAN FOR SIZE AND TYPE
3. VINE TYING DISCS-EPOXY TO WALL TO SUPPORT PLANT BRANCHING STRUCTURE
4. PLASTIC STAKING TAPE TO TIE BRANCHES TO TYING DISCS
5. AGRIFORM PLANT TABLETS 2 PER 1 GALLON, 3 PER 5 AND 15 GALLON
6. APPROVED BACKFILL, THOROUGHLY MIXED PRIOR TO INSTALLATION
7. SCARIFY SOIL TO 6" DEPTH AND ADD EQUAL AMOUNT OF PREPARED SOIL AND THOROUGHLY MIX
8. NATIVE GRADE
9. FOOT TAMP BASE
10. FINISH GRADE
11. ROOTBALL



G VINE PLANTING (ON TRELLIS OR POST)
SCALE: 1" = 1'-0"

NOTES:
1. SEE PLANTING SPECIFCATIONS PRIOR TO INSTALLATION OF PLANT MATERIALS.
2. ROOTBALL CROWN TO BE 1" ABOVE FINISH GRADE.

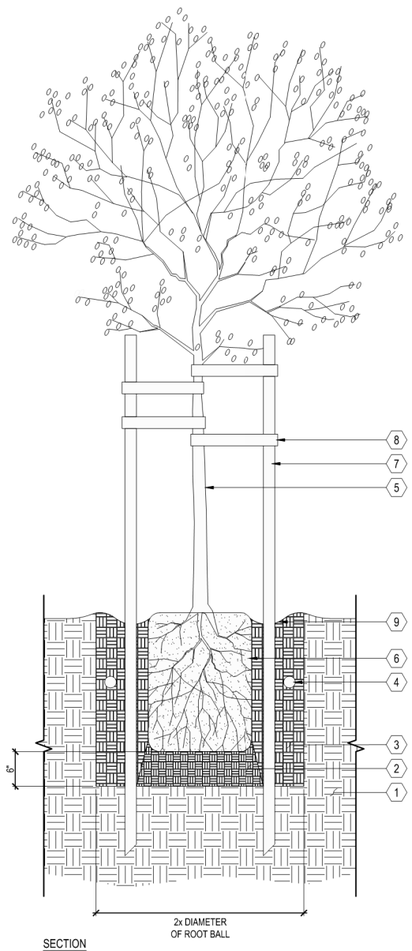
1. FINISH GRADE
2. EDGE OF SLOPE BEYOND
3. A SHALLOW BASIN 2" DEEP SHALL BE FORMED AROUND ROOTBALL BELOW FINISH GRADE
4. AGRIFORM PLANT TABLETS 2 PER 1 GALLON, 3 PER 5 AND 15 GALLON
5. FCOT TAMP BASE
6. SHRUB-SEE PLAN AND LEGEND FOR SIZE AND TYPE
7. APPROVED BACKFILL, THOROUGHLY MIXED PRIOR TO INSTALLATION
8. NATIVE GRADE OR CERTIFIED COMPACTED SUBGRADE



D SHRUB PLANTING ON SLOPE
SCALE: N.T.S.

NOTES:
1. SEE PLANTING SPECIFICATIONS PRIOR TO INSTALLATION OF PLANT MATERIALS.
2. ROOT BALL CROWN SHALL EXTEND 1" ABOVE FINNISH GRADE.
3. TREE INSTALLED IN TURF AREAS SHALL BE INSTALLED WITH 'ARBOR-GUARD' AT BASE OF TRUNK.

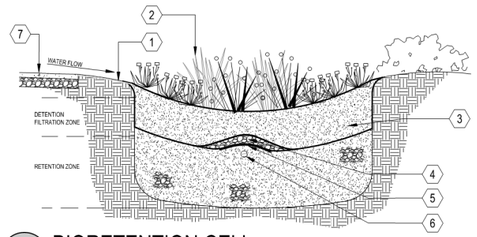
1. NATIVE GRADE
2. FOOT TAMP BASE
3. BACKFILL, PUDDLE AND SETTLE PRIOR TO PLANTING TREE
4. AGRIFORM PLANT TABLETS, 3 PER 15 GALLON, 6 PER 24" BOX, AND 8 FOR 36" BOX
5. TREE
6. ROOT BALL
7. PINE LODGE POLE STAKE, 2" DIAMETER, PLACED ON WINDWARD SIDES OF TREE AND OUTSIDE OF ROOT BALL
8. CINCH TIE
9. 2" DEEP BASIN AROUND ROOT BALL, TREES PLANTED IN TURF SHALL NOT HAVE BASINS



A TREE
SCALE: 1" = 1'-0"

NOTES:
1. SEE LANDSCAPE PALETTE FOR PLANT TYPES.

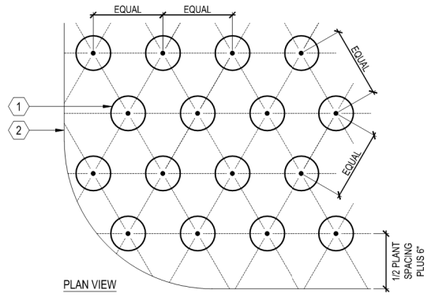
1. FILTER STRIP
2. SELECTIVE NATIVE BIOTREATMENT PLANTS AND HARDY CULTIVARS
3. BIOTREATMENT SOIL MEDIA (BSM)
4. PEA-GRAVEL LAYER
5. FILTER FABRIC (OPTIONAL)
6. UNDER-DRAIN DISCHARGE PIPE
7. IMPERVIOUS SURFACE



F BIORETENTION CELL
SCALE: NOT TO SCALE

NOTES:
1. SEE PLANTING SPECIFICATIONS PRIOR TO INSTALLATION OF PLANT MATERIALS.
2. SPACING SHALL BE TRIANGULATED UNLESS OTHERWISE NOTED.
3. INFILL PLANTS AS REQUIRED TO MAINTAIN SPACING AT IRREGULAR EDGES.

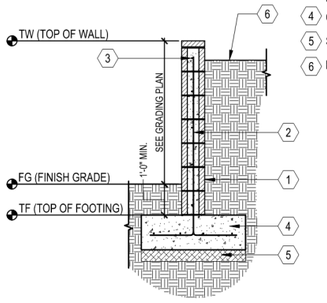
1. PLANT, SPACING VARIES, SEE PLANTING LEGEND
2. EDGE OF PLANTING AREA



C GROUNDCOVER
SCALE: 1" = 1'-0"

NOTES:
1. REFER TO CONCEPT IMAGERY FOR COLOR, TYPE AND FINISH.

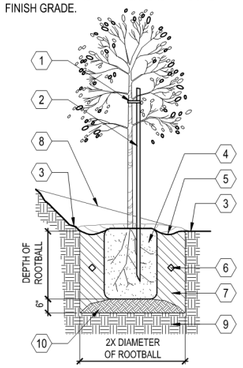
1. CMU W/ SOLID GROUT FILL
2. REINFORCE W/ #4 REBAR @ 16 O.C. HORIZONTAL AND #4 REBAR ORIGINATING IN FOOTING
3. #4 REBAR CONTINUOUS, 3" CLR MIN.
4. CONCRETE FOOTING
5. SUBGRADE COMPACTED TO 95%
6. FINISH GRADE



H CMU RETAINING WALL
SCALE: 1/2"=1'-0"

NOTES:
1. SEE PLANTING SPECIFICATIONS PRIOR TO INSTALLATION OF PLANT MATERIALS.
2. ROOTBALL CROWN TO EXTEND 1" ABOVE FINISH GRADE.

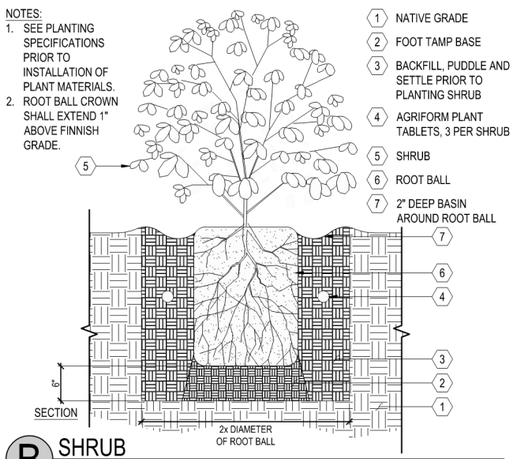
1. PLASTIC TREE TIE
2. RETAIN NURSERY PROVIDED STAKE
3. FINISH GRADE
4. ROOTBALL
5. A SHALLOW BASIN 2" DEEP SHALL BE FORMED AROUND ROOTBALL BELOW FINISH GRADE. TREES PLANTED IN TURF SHALL NOT HAVE BASINS.
6. AGRIFORM PLANT TABLETS 2 PER 1 GALLON, 3 PER 5 AND 15 GALLON. BOX TREES SEE DETAIL.
7. APPROVED BACKFILL, THOROUGHLY MIXED PRIOR TO INSTALLATION
8. EDGE OF SLOPE BEYOND
9. NATIVE GRADE OR CERTIFIED COMPACTED SUBGRADE
10. FOOT TAMP BASE



E TREE PLANTING ON SLOPE
SCALE: N.T.S.

NOTES:
1. SEE PLANTING SPECIFICATIONS PRIOR TO INSTALLATION OF PLANT MATERIALS.
2. ROOT BALL CROWN SHALL EXTEND 1" ABOVE FINNISH GRADE.

1. NATIVE GRADE
2. FOOT TAMP BASE
3. BACKFILL, PUDDLE AND SETTLE PRIOR TO PLANTING SHRUB
4. AGRIFORM PLANT TABLETS, 3 PER SHRUB
5. SHRUB
6. ROOT BALL
7. 2" DEEP BASIN AROUND ROOT BALL



B SHRUB
SCALE: 1" = 1'-0"

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LANDSCAPE DETAILS

10.2

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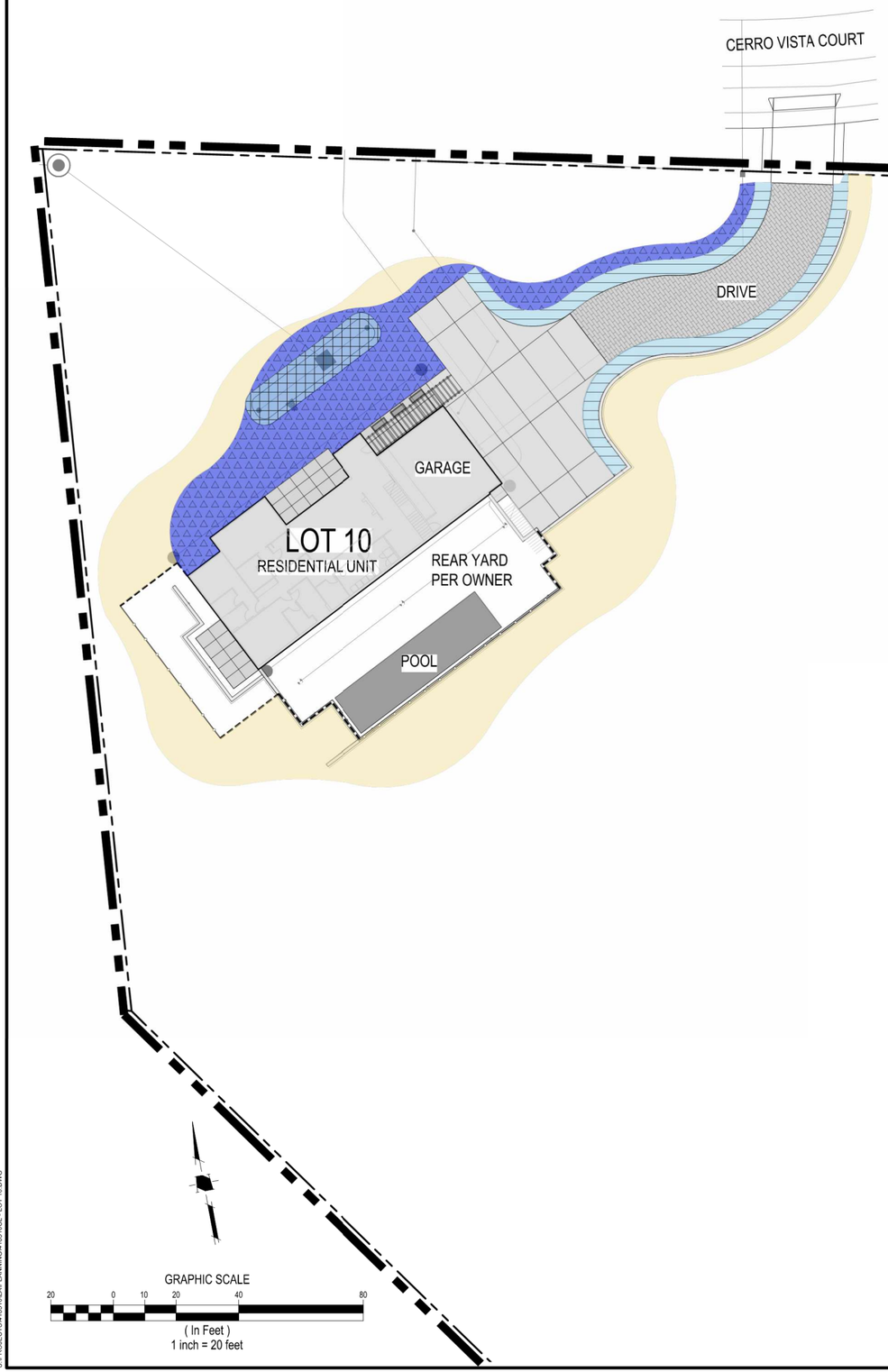
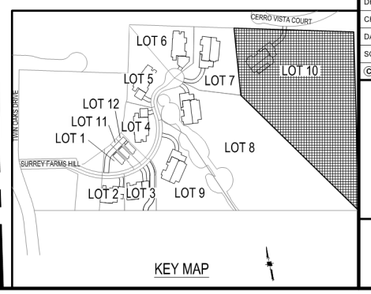


HYDROZONE LEGEND

DESCRIPTION	SYMBOL
DRIP IRRIGATION FOR GROUNDCOVER AND SHRUBS	
DRIP IRRIGATION FOR BIOTREATMENT SHRUBS	
BUBBLER IRRIGATION FOR SHRUBS AND TREES	
SUPPLEMENTAL IRRIGATION FOR ESTABLISHMENT OF STABILIZATION PLANTING	

NOTES:

1. FINAL DESIGN SHALL CONFORM TO AB1881 OR CITY ADOPTED WATER EFFICIENT LANDSCAPE ORDINANCE.
2. ALL PLANTING AREAS SHOWN WILL BE COMMONLY MAINTAINED BY THE OWNER AND IRRIGATED BY AN AUTOMATIC IRRIGATION SYSTEM.
3. IRRIGATION SYSTEMS WILL BE PERMANENT BELOW GROUND AUTOMATED SYSTEMS ADEQUATE FOR THE ESTABLISHMENT AND MAINTENANCE OF ALL PLANT MATERIAL. THESE SYSTEMS WILL BE INSTALLED AS SOON AS PRACTICAL AFTER GRADING AND PRIOR TO PLANT MATERIAL INSTALLATION AND HYDROSEEDING.
4. ALL TREE AND SHRUB AREAS WILL BE IRRIGATED BY A PERMANENT, AUTOMATIC, UNDERGROUND IRRIGATION SYSTEM. TREE AND SHRUB AREAS SHALL BE ON SEPARATE VALVES ACCORDING TO PLANT WATER REQUIREMENTS AND EXPOSURE.
5. ALL IRRIGATION SYSTEMS SHALL BE DESIGNED, MAINTAINED AND MANAGED TO MEET OR EXCEED MINIMUM EFFICIENCY.
6. ALL IRRIGATION EQUIPMENT SHALL BE SCREENED APPROPRIATELY FROM VIEW IN PUBLIC AREAS TO THE MAXIMUM EXTENT POSSIBLE.
7. THE FINAL IRRIGATION PLAN SHALL ACCURATELY AND CLEARLY IDENTIFY:
   A. LOCATIONS AND SIZES OF WATER POINTS OF CONNECTION.
   B. LOCATION, TYPE, AND SIZE OF ALL COMPONENTS OF THE IRRIGATION SYSTEM, INCLUDING AUTOMATIC CONTROLLERS, MAIN AND LATERAL LINES, VALVES, SPRINKLER HEADS, RAIN SWITCHES, AND QUICK COUPLERS.
   C. STATIC WATER PRESSURE AT THE POINTS OF CONNECTION.
   D. FLOW RATE (GALLONS PER MINUTE), REMOTE CONTROL VALVE SIZE, AND DESIGN OPERATING PRESSURE (PSI) FOR EACH STATION.
   E. HYDROZONE INFORMATION TABLE.
   F. WATER USE CALCULATIONS.
8. THIS PROJECT IS NOT PART OF A RECYCLED WATER PROGRAM. POTABLE WATER WILL BE USED FOR IRRIGATION.



KEY MAP

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HYDROZONE PLAN

10.3

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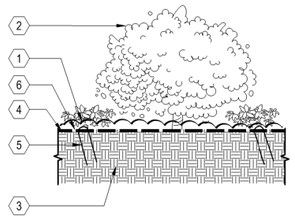
NOTES:
1. SEE IRRIGATION LEGEND SPECIFICATION
2. INSTALL ALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS

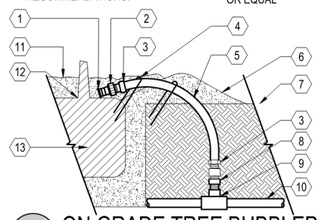
1. 3" THICK LAYER BARK MULCH
2. PLANTING BEYOND. SEE PLANTING DETAILS.
3. SOIL (SEE PLANTING DETAIL FOR SPECIFICATIONS)
4. DRIPLINE PER DRIPLINE TRENCH DETAIL
5. STEEL SOIL STAPLES PER MANUFACTURERS' RECOMMENDATIONS
6. FINISHED GRADE



I DRIPLINE INSTALLED ON GRADE
SCALE: N.T.S.

NOTES:
1. BUBBLER DISTANCE TO ROOT BALL WILL VARY DEPENDING ON THE CONTAINER SIZE OF THE PLANT. ALLOW 6" BETWEEN TRUNK AND BUBBLER.
2. PLACE ALL BUBBLERS ON UPHILL SIDE OF SLOPE IF APPLICABLE. CONCEAL ALL EQUIPMENT UNDER MULCH.
3. SEE IRRIGATION LEGEND FOR SPECIFICATION.
4. INSTALL ALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

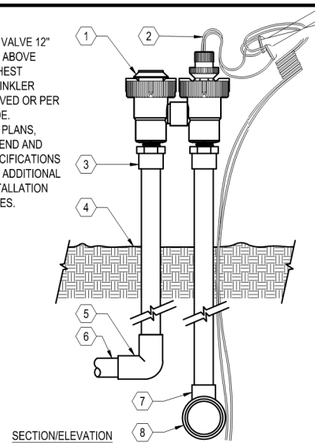
1. POSITION BUBBLER OVER ROOT BALL
2. PRESSURE COMPENSATING DRIP BUBBLER (SEE LEGEND FOR MODEL)
3. SUPER FUNNY PIPE 850-35 ADAPTER
4. TUBING STAKES PVC COATED 12 GAUGE WIRE U STAKES QUANTITY AS NEEDED TO SECURE TUBING (2 MIN.) SALCO OR EQUAL
5. SUPER FUNNY PIPE 850
6. SOIL RING (SEE PLANTING DETAILS)
7. FINISHED GRADE
8. 1/2" PVC SCH 40 (MIPT X SLIP) MALE ADAPTER UV RADIATION RESISTANT
9. PVC SCH 40 TEE OR ELL 1/2" (SLIP XSLIP X FIPT)
10. PVC LATERAL PIPE
11. MULCH PER SPECIFICATIONS
12. PLANT CROWN
13. ROOT BALL



F ON GRADE TREE BUBBLER
SCALE: N.T.S.

NOTES:
1. SET VALVE 12" MIN. ABOVE HIGHEST SPRINKLER SERVED OR PER CODE.
2. SEE PLANS, LEGEND AND SPECIFICATIONS FOR ADDITIONAL INSTALLATION NOTES.

1. CONTROL VALVE. SEE LEGEND FOR MODEL, SEE PLANS FOR SIZE
2. CONTROL WIRES WITH 12" MINIMUM SERVICE COIL AND WATERPROOF WIRE SPLICE CONNECTORS
3. PVC MALE ADAPTER (TYPICAL)
4. FINISHED GRADE
5. PVC ELBOW (TYPICAL)
6. PVC LATERAL LINE SCHEDULE 80 SEE SPECIFICATIONS FOR DEPTH
7. PVC TEE OR ELBOW (TYPICAL)
8. PVC MAIN LINE SCHEDULE 80 SEE SPECIFICATIONS FOR DEPTH

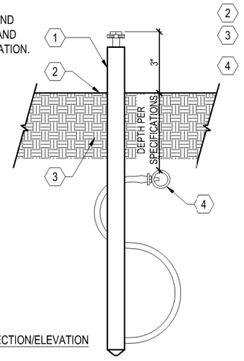


SECTION/ELEVATION

C ANTI-SIPHON PLASTIC CONTROL VALVE
SCALE: N.T.S.

NOTES:
1. USE ONE OPERATION INDICATOR PER ZONE.
2. PLACE AT FLUSH END OF ZONE.
3. SEE IRRIGATION LEGEND FOR PIPE SCHEDULE AND EQUIPMENT SPECIFICATION.
4. INSTALL ALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

1. DRIPLINE OPERATION INDICATOR. USE ONE PER ZONE AND LOCATED AT FLUSH END OF ZONE
2. FINISHED GRADE
3. NATIVE SOIL BACKFILL PER SPECIFICATIONS
4. DRIPLINE. USE ONE PER ZONE AND LOCATED AT FLUSH END OF ZONE

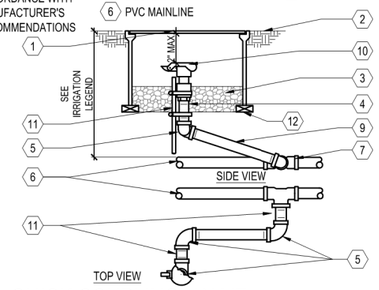


SECTION/ELEVATION

H DRIPLINE OPERATION INDICATOR
SCALE: N.T.S.

NOTE:
1. NIPPLES AND FITTINGS TO BE SAME SIZE AS VALVE IPT INLET THREAD SIZE
2. SEE IRRIGATION LEGEND FOR SPECIFICATION
3. INSTALL ALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS

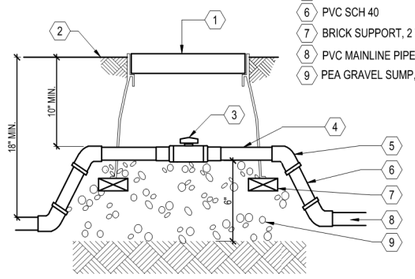
1. 10" ROUND PLASTIC VALVE BOX WITH BOLT DOWN LID
2. FINISHED GRADE
3. PEA GRAVEL SUMP, MIN. 6" DEPTH
4. 3" LONG SCHEDULE 80 PVC THREADED NIPPLE
5. SCH 80 PVC THREADED 90 DEGREE ELL
6. PVC MAINLINE
7. MAINLINE FITTING
9. 10" LONG SCH 80 PVC THREADED NIPPLE
10. QUICK COUPLING VALVE
11. 1 1/4" x 1 1/4" x 3/16" ANGLE IRON 30" LONG, 2 STAINLESS STEEL STRAPS
12. BRICK SUPPORTS, 2 TOTAL



E QUICK COUPLING VALVE
SCALE: N.T.S.

NOTES:
1. PLACE AGGREGATE PRIOR TO INSTALLATION OF VALVE BOX
2. INSTALL VALVE BOX SO TOP OF BOX IS FLUSH WITH ADJACENT HARDSCAPE

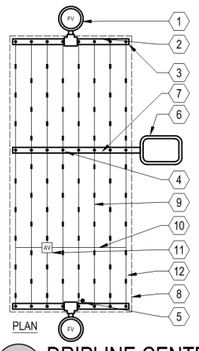
1. 6" ROUND PLASTIC VALVE BOX WITH BOLT DOWN LID
2. FINISHED GRADE/ BEFORE PLANTING
3. BALL VALVE: SEE LEGEND FOR MAKE AND MODEL - LINE SIZE
4. PVC SCH 40 MIN 8" LONG
5. PVC 45 FITTING SCH 40 (TYP.)
6. PVC SCH 40
7. BRICK SUPPORT, 2 TOTAL
8. PVC MAINLINE PIPE
9. PEA GRAVEL SUMP, MIN. 6" DEEP



B BALL VALVE
SCALE: N.T.S.

NOTE:
1. SEE IRRIGATION LEGEND FOR EQUIPMENT SPECIFICATION
2. INSTALL ALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS
3. THE TOTAL LENGTH OF ALL INTERCONNECTED DRIP LINE SHALL NOT EXCEED THE MAXIMUM RUN LENGTH

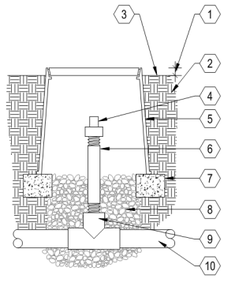
1. DRIPLINE AUTOMATIC FLUSH VALVE PLUMBED TO FLUSH MANIFOLD AT LOW POINT
2. PVC FLUSH MANIFOLD
3. DRIPLINE MANIFOLD-TO-ELBOW CONNECTION
4. DRIPLINE MANIFOLD-TO-TEE CONNECTION
5. DRIPLINE OPERATION INDICATOR
6. REMOTE CONTROL VALVE WITH FILTER AND PRESSURE REGULATOR
7. PVC SUPPLY MANIFOLD
8. ZONE PERIMETER
9. DRIPLINE LATERAL
10. AIR/VACUUM RELIEF LATERAL DRIPLINE BLANK TUBING CENTERED ON MOUND OR BERM
11. DRIPLINE AIR / VACUUM RELIEF VALVE PLUMBED TO DRIPLINE BLANK TUBING AT EACH HIGH POINT
12. PERIMETER LATERALS 2" TO 4" FROM EDGE



J DRIPLINE CENTER - FEED LAYOUT
SCALE: N.T.S.

NOTES:
1. SEE IRRIGATION LEGEND FOR EQUIPMENT SPECIFICATION.
2. INSTALL ALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
3. LOCATE AND USE ONE FLUSH VALVE FOR EVERY 7 GPM PER ZONE AT LOW POINTS.

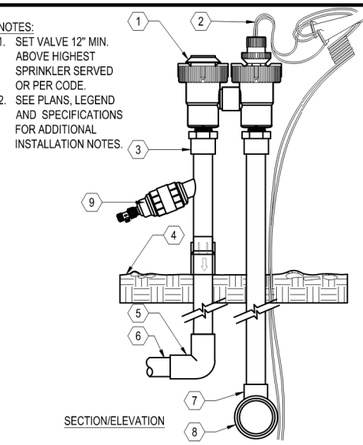
1. 1" ABOVE FINISH GRADE
2. NATIVE SOIL PER SPECIFICATIONS
3. FINISH GRADE
4. DRIPLINE FLUSH VALVE
5. 6" ROUND PLASTIC VALVE BOX. HEAT BRAND "FV" ON LID IN 1" HIGH CHARACTERS
6. 3/4" SCH 80 PVC NIPPLE
7. BRICK SUPPORTS
8. PEA GRAVEL SUMP (6" X 18")
9. PVC TEE (S X S X T) WITH 3/4" THREADED OUTLET
10. PVC PIPING



G DRIPLINE FLUSH VALVE
SCALE: N.T.S.

NOTES:
1. SET VALVE 12" MIN. ABOVE HIGHEST SPRINKLER SERVED OR PER CODE.
2. SEE PLANS, LEGEND AND SPECIFICATIONS FOR ADDITIONAL INSTALLATION NOTES.

1. CONTROL VALVE. SEE LEGEND FOR MODEL, SEE PLANS FOR SIZE
2. CONTROL WIRES WITH 12" MIN. SERVICE COIL AND WATERPROOF WIRE SPLICE CONNECTORS
3. PVC MALE ADAPTER (TYPICAL)
4. FINISHED GRADE
5. PVC ELBOW (TYPICAL)
6. PVC LATERAL LINE SCH. 80 SEE SPECS. FOR DEPTH
7. PVC TEE OR ELBOW (TYPICAL)
8. PVC MAIN LINE SCHEDULE 80 SEE SPECIFICATIONS FOR DEPTH
9. Y - FILTER WITH MESH FILTER SCREEN

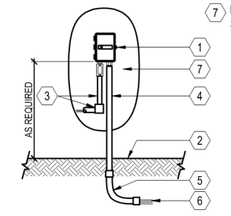


SECTION/ELEVATION

D DRIP ANTI-SIPHON PLASTIC CONTROL VALVE
SCALE: N.T.S.

NOTES:
1. VERIFY LOCATION WITH PROJECT ELECTRICIAN.
2. ALL ELECTRICAL WORK MUST CONFORM TO LOCAL CODES. REFER TO PRODUCT LITERATURE FOR ADDITIONAL INSTALLATION REQUIREMENTS. THIS DRAWING IS PROVIDED FOR REFERENCE ONLY. INDIVIDUAL PROJECT REQUIREMENTS AND LOCAL CODES MAY DICTATE DIFFERENCES IN INSTALLATION PROCEDURES THAT ARE NOT IDENTIFIED ON THIS DETAIL.

1. EXTERIOR WALL MOUNT IRRIGATION CONTROLLER, SEE IRRIGATION LEGEND FOR SPECIFICATION
2. FINISHED GRADE
3. 1/2" UL APPROVED ELECTRICAL CONDUIT, RING NUT AND JUNCTION BOX FOR 120V AC ELECTRICAL POWER
4. GALVANIZED ELEC. WIRE CONDUIT (SIZE AS REQUIRED) PAINT TO MATCH BLDG.
5. PVC SWEEP ELL (DEPTH AS REQUIRED)
6. CONTROL WIRES TO CONTROL VALVES
7. EXTERIOR SURFACE FOR MOUNTING OF SPRINKLER CONTROLLER



A WALL MOUNT CONTROLLER
SCALE: N.T.S.

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SURREY FARMS ESTATES
TWIN OAKS DRIVE, LOS GATOS
DEVELOPMENT REVIEW PLAN SET
LOT 10 | APP #S-24-032

NO	DATE	DESCRIPTION
5	9/15/2025	PER CITY COMMENTS
4	7/25/2025	PER CITY COMMENTS
3	4/18/2025	PER CITY COMMENTS
2	3/31/2025	PER CITY COMMENTS
1	1/8/2025	PER CITY COMMENTS

PROJECT NO:	4185.10
CAD DWG FILE:	418510CL - LOT 10.DWG
DESIGNED BY:	HMH
DRAWN BY:	HMH
CHECKED BY:	ST
DATE:	JUNE 6, 2025
SCALE:	NONE

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IRRIGATION DETAILS

10.4

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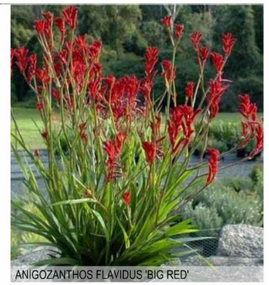
E 6' CLEAR VIEW FENCE
COLOR SHALL BE BLACK

MIMULUS AURANTICAS



ANIGOZANTHOS FLAVIDUS 'BIG RED'

G ACCENT PLANTER
SCALE: NONE

D 6' ALUMINUM PRIVACY FENCE AND GATE
COLOR SHALL BE BLACK

CEANOTHUS 'CONCHA'

CAREX DIVULSA

B PLANTING PALETTE

F VINE ON POST
SCALE: NONE

C RETAINING WALL
SHALL BE VARIEGATED CMU WITH WALL CAP FROM ORCO BLOCK AND HARDSCAPE
COLOR SHALL BE BORREGO
SPLIT FACE ON EXPOSED SURFACE
LRV SHALL BE MAX 30%

A PERMEABLE PAVERS

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CHECKED BY:	ST
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SCALE:	NONE

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CONCEPT IMAGERY

10.5

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FRONT PORCH WALL MOUNT LIGHT

OUTDOOR WALL MOUNT LIGHT

POST LIGHT

P SITE LIGHTING

SCALE: NONE

LIGHTING LEGEND	
SYMBOL	DESCRIPTION
	FRONT PORCH WALL MOUNT LIGHT
	OUTDOOR WALL MOUNT LIGHT
	POST LIGHT

SITE LIGHTING REQUIREMENTS:

ORIENT ALL SITE LIGHTING DIRECTLY DOWNWARDS TO PREVENT LIGHT POLLUTION AND EXCESS FLARE IN THE PUBLIC REALM.

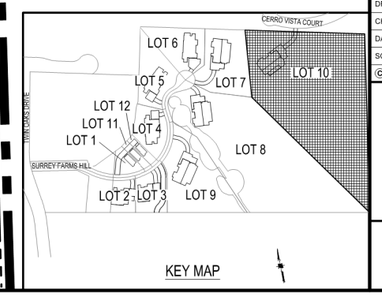
ILLUMINATE A ZONE OF A MAXIMUM OF FIVE FEET IN FRONT OF THE GROUND FLOOR FAÇADE FOR ALL ACTIVE FRONTAGES.

KEEP THE MAXIMUM COLOR TEMPERATURE FOR OUTDOOR LIGHTING BELOW 2700 KELVIN, EXCEPT FOR OUTDOOR DECORATIVE LIGHTING FROM NOVEMBER 15 TO JANUARY 15.

SITE LIGHTING NOTES:

1. THE USE OF ENERGY EFFICIENT LIGHTING IS STRONGLY ENCOURAGED.

2. ALL PERMANENT EXTERIOR LIGHT FIXTURES SHALL UTILIZE SHIELDS SO THAT NO BULB IS VISIBLE AND TO ENSURE THAT LIGHT IS DIRECTED TO THE GROUND SURFACE AND DOES NOT SPILL LIGHT ONTO NEIGHBORING PARCELS OR PRODUCE GLARE WHEN SEEN FROM NEARBY HOMES. DECORATIVE LIGHTING FIXTURES ARE PREFERRED FOR SECURITY LIGHTING FIXTURES.



KEY MAP

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PROJECT NO:	4185.10
CAD DWG FILE:	418510CL - LOT 10.DWG
DESIGNED BY:	JN
DRAWN BY:	JN
CHECKED BY:	ST
DATE:	JUNE 6, 2025
SCALE:	1"=20'
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CONCEPTUAL LIGHTING PLAN

P1

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