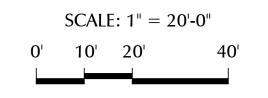


ELM TREE STATION

RETAIL MARKET and FUEL FACILITY

874 N. Wright Road Santa Rosa, California

## DEVELOPMENT PLAN





## PROJECT DATA

ADDRESS: 874 NORTH WRIGHT ROAD

APN: 035-063-001 ZONING: PD-0435

LOT SIZE:

LOT #1: Approx. 0.73 ACRES
LOT #2: Approx. 0.25 ACRES

AREA:

 MARKET:
 3,448 S.F.

 APARTMENT:
 906 S.F.

 BUILDING 2:
 432 S.F.

LOT #1 COVERAGE:

(Building, Gas Pump Canopy, Trash Encl/Carport Canopy)
BUILDING: 3,448 S.F.
STAIRS: 59 S.F.
FUELING CANOPY: 3,024 S.F.
TRASH ENCLOSURE/ CARPORT: 973 S.F.
TOTAL AREA LOT # 1: 7,504 S.F.
BUILDING COVERAGE (LOT #1): 23.6%

LOT #2 COVERAGE:

 BUILDING 2:
 432 S.F.

 PATIO TRELLIS:
 168 S.F.

 TOTAL AREA LOT # 2:
 600 S.F.

 BUILDING COVERAGE (LOT #2):
 5.5%

PARKING REQUIRED:

 MARKET (Retail at 1:250 S.F.)
 13.8

 1-BEDROOM APARTMENT
 1.5

 BUILDING 2 (Retail at 1:250 S.F.)
 1.7

 17.0

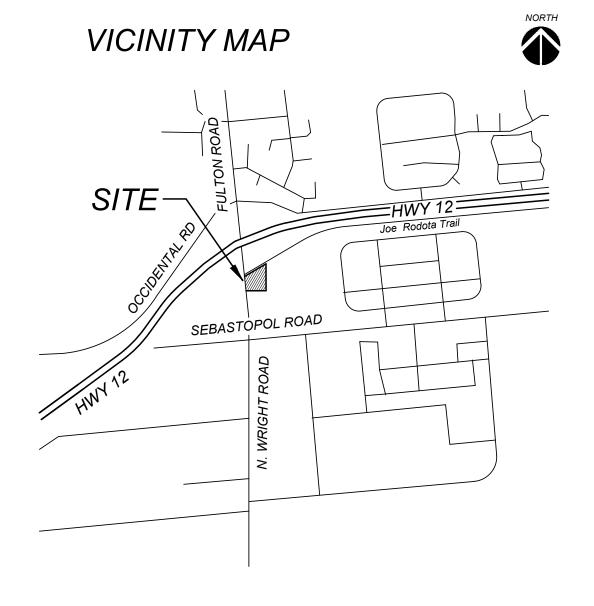
PARKING PROVIDED: 18.0

BICYCLE PARKING REQUIRED:

MARKET

1-BEDROOM APARTMENT 1
BUILDING 2 1

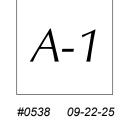
BICYCLE PARKING PROVIDED:

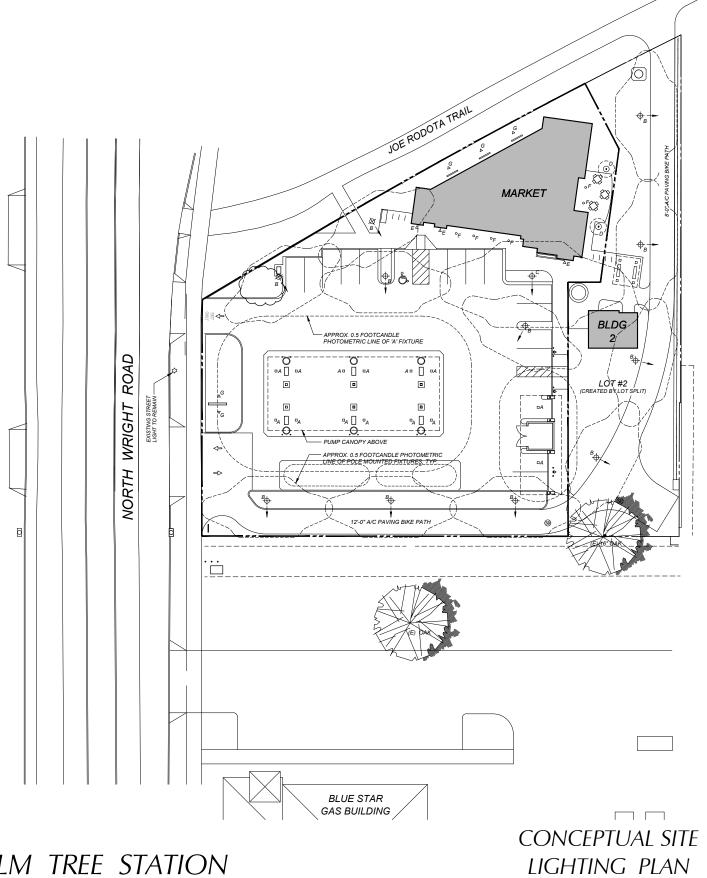


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### FIXTURE LEGEND

- RUUD betaLED THE EDGE CAN-EDG-PS-DM LED CANOPY LIGHT PETROLEUM SYMMETRIC with 60 LIGHT EMITTING DIODES (LED), FULL CUTOFF and DARK SKY COMPLIANT (MOUNTED UNDER PUMP CANOPY)
- LITHONIA OMERO MRP 150 WATT METAL HALIDE CUT OFF FIXTURE with SR2 REFLECTOR AND 10' POLE
- LITHONIA OMERO MRP 150 WATT METAL HALIDE CUT OFF FIXTURE with SR2 REFLECTOR AND 12' POLE ON A 2' BASE
- LITHONIA KBR8-70M-R5-LV-TB-DWH, 42" HIGH x 8" ROUND BOLLARD with 70 WATT METAL HALIDE LAMP
- $riangle_{m{E}}$  DECORATIVE WALL MOUNTED GOOSE-NECK FIXTURES
- ○F RECESSED CAN DOWNLIGHTS UNDER HORIZONTAL SOFFITS
- $\triangledown_{G} \quad \text{ $^{\text{UPLIGHTS IN LANDSCAPING TO ILLUMINATE BUILDING}$} \\ \text{ $^{\text{WALLS OR MONUMENT SIGN}}$}$

POTENTIAL FUTURE RESIDENTIAL DEVELOPMENT





⊕В





<sup>⊙</sup>D

∆E

ELM TREE STATION

RETAIL MARKET and FUEL FACILITY 874 N. Wright Road Santa Rosa, California

SCALE: 1" = 20'-0" 0' 10' 20'

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ELM TREE STATION

RETAIL MARKET and FUEL FACILITY

874 N. Wright Road Santa Rosa, CA

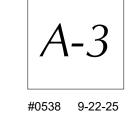
AERIAL MAP with NEIGHBORHOOD CONTEXT PHOTOGRAPH LOCATIONS



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VIEW #1
WEST VIEW at SOUTH OF SITE



VIEW #2 SOUTHEAST VIEW at SOUTH SIDE OF SITE



VIEW #3
WEST VIEW at NORTH EDGE OF SITE



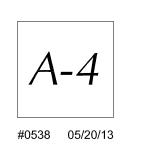
VIEW #4
NORTHWEST VIEW at
NORTH END OF SITE

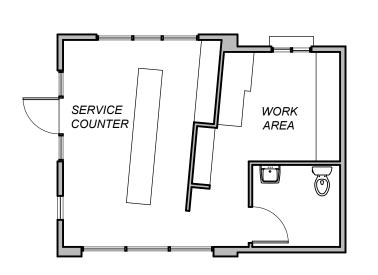


VIEW #5 NORTH WRIGHT RD. TOWARD HIGHWAY 12 at JOE RODOTA TRAIL

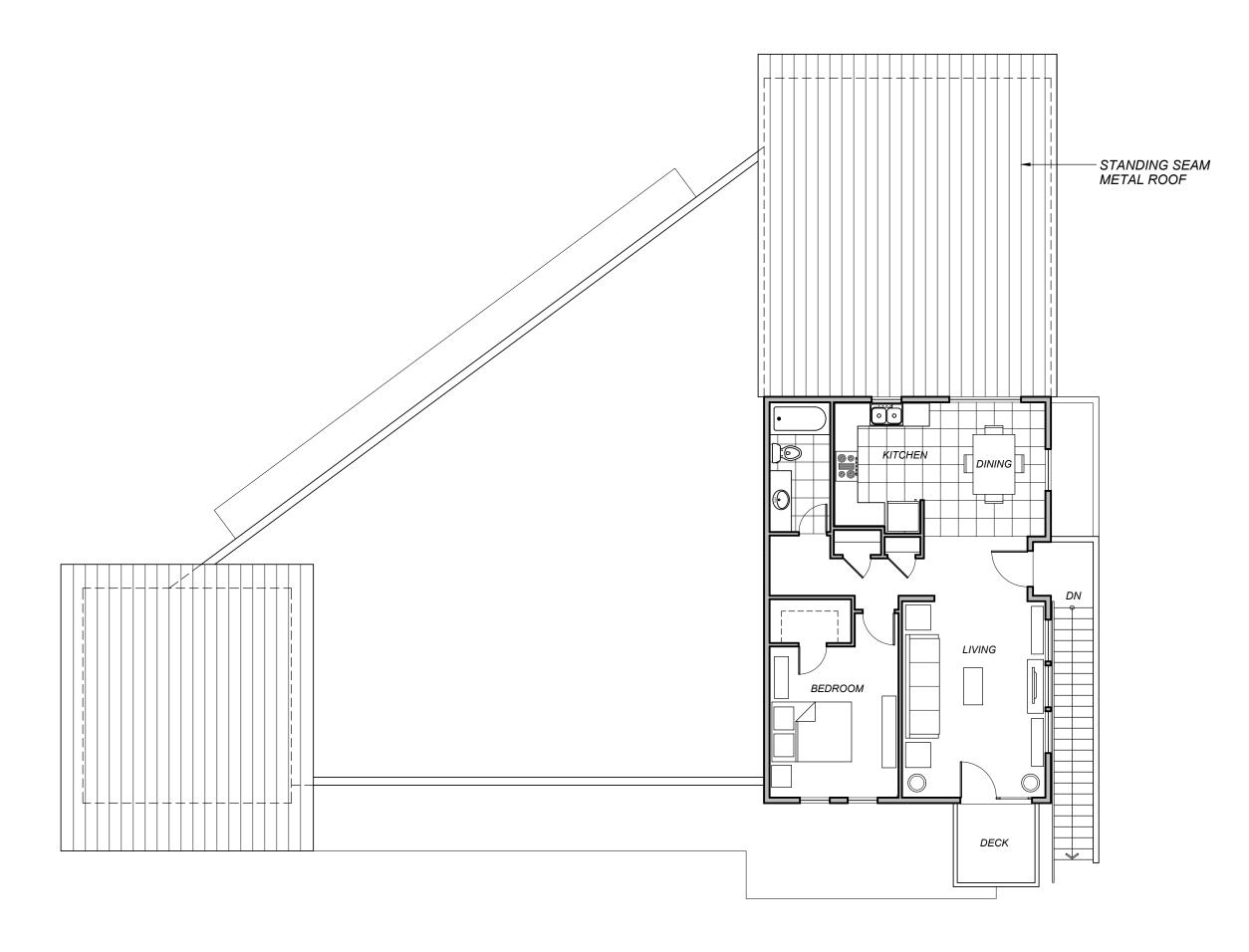


VIEW #6
FROM HIGHWAY 12 / N. WRIGHT ROAD
INTERSECTION TOWARD SITE





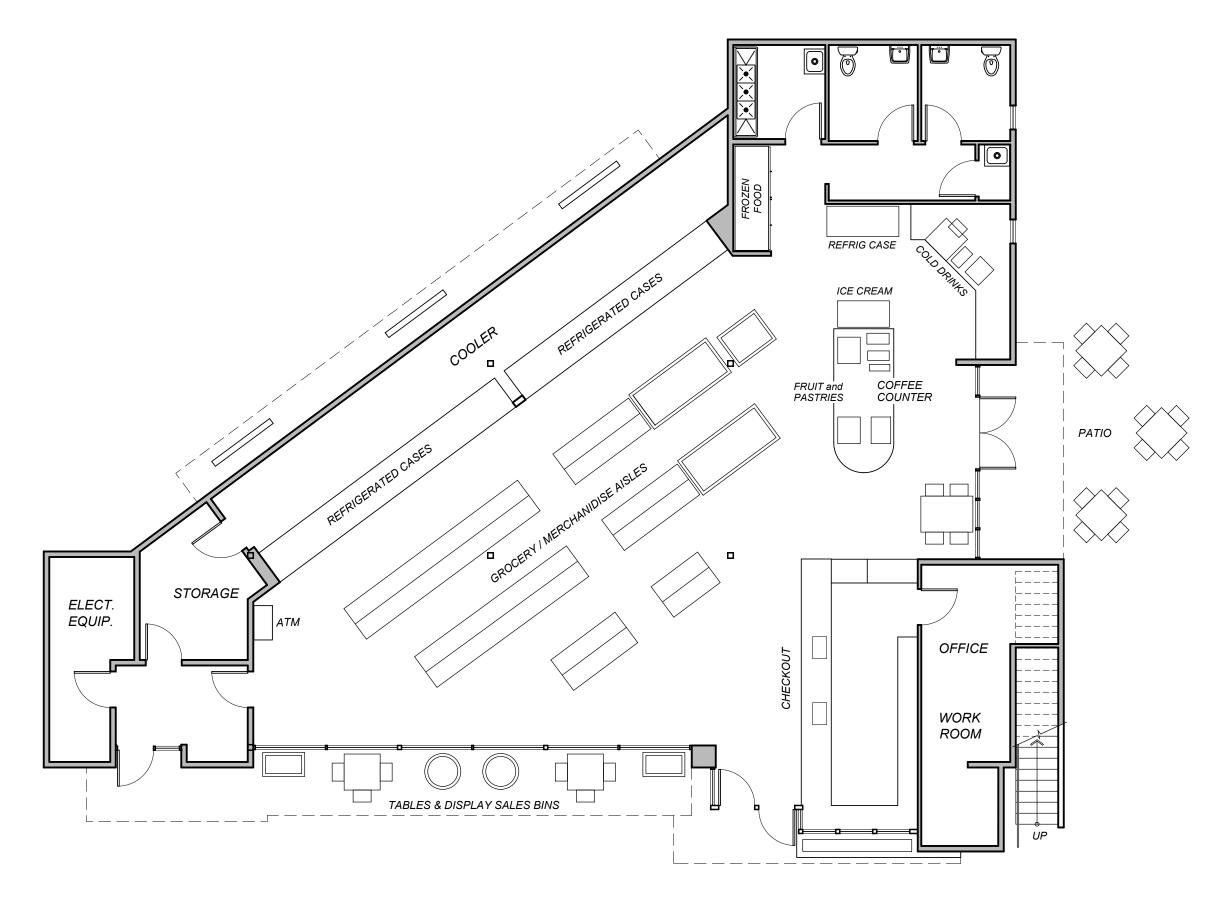
BUILDING 2 432 Square Feet



SECOND FLOOR

APARTMENT

806 Square Feet



FIRST FLOOR

MARKET

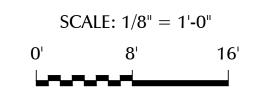
3448 Square Feet

ELM TREE STATION

RETAIL MARKET and FUEL FACILITY

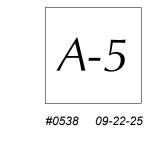
RETAIL MARKET and FUEL FACILITY
874 N. Wright Road Santa Rosa, CA

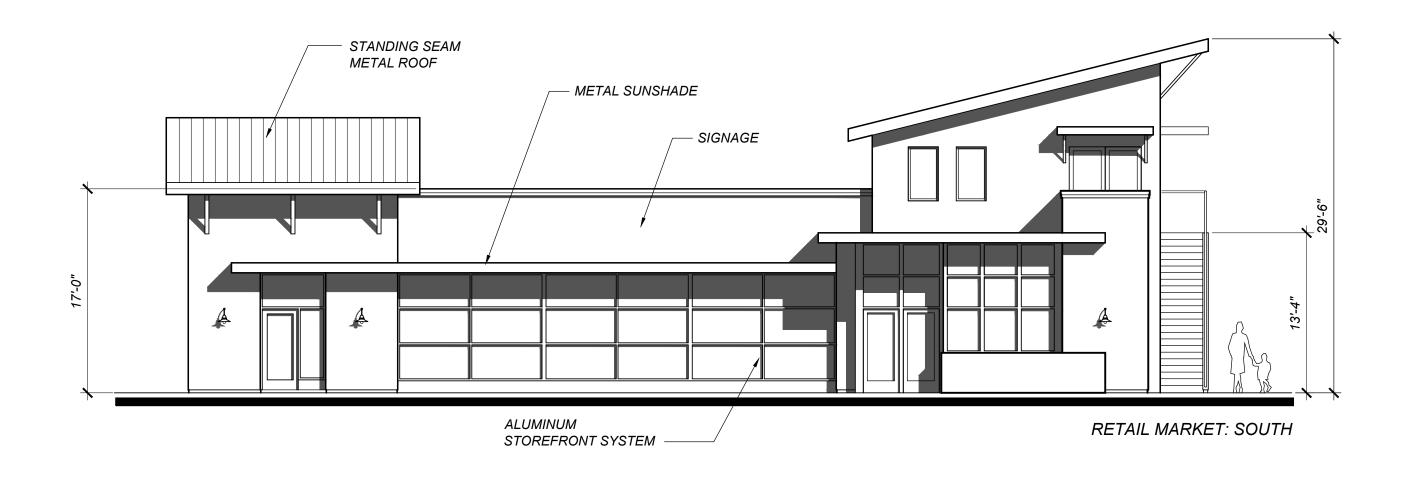
CONCEPTUAL FLOOR PLANS
RETAIL MARKET and BUILDING 2

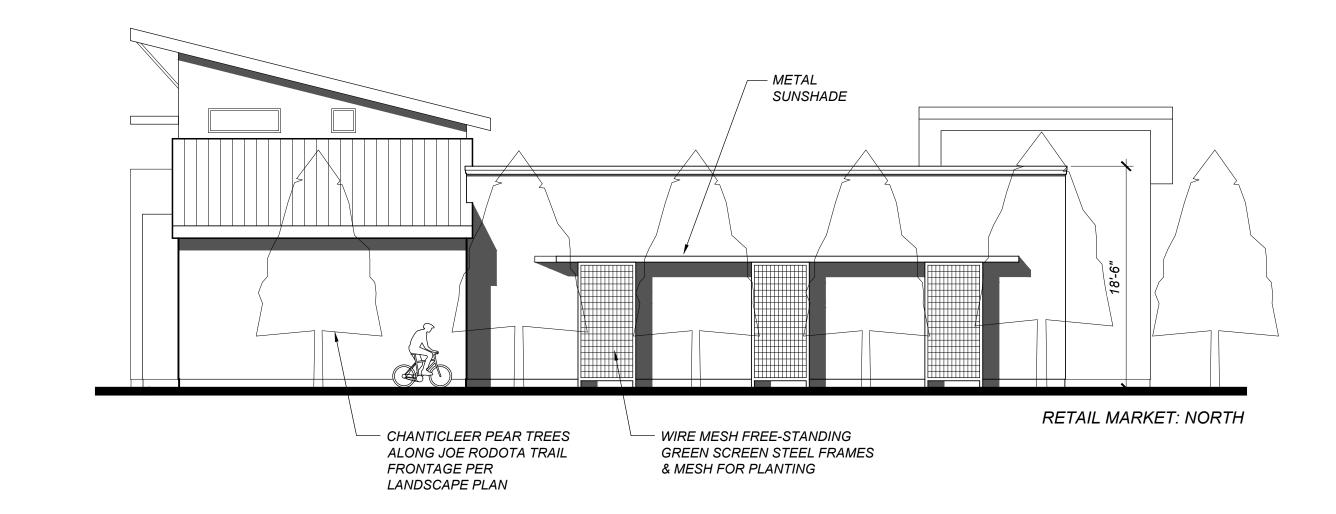


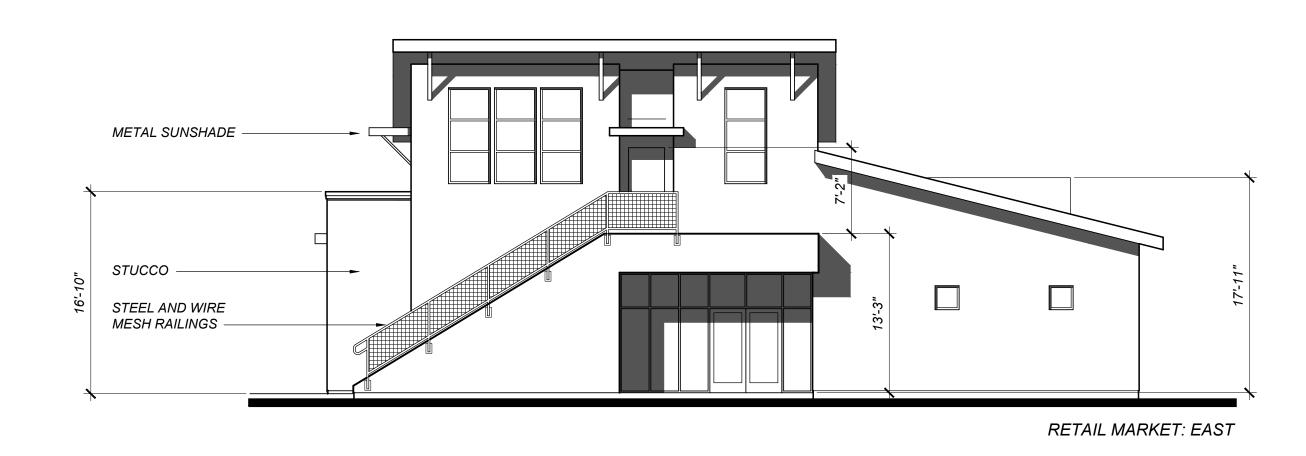


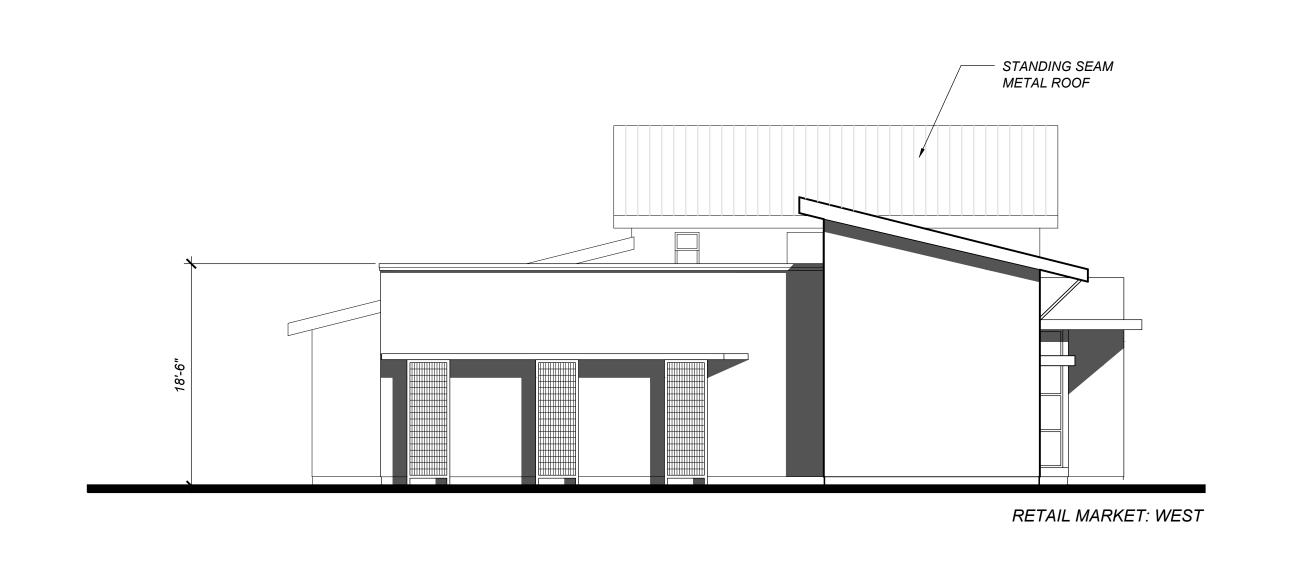


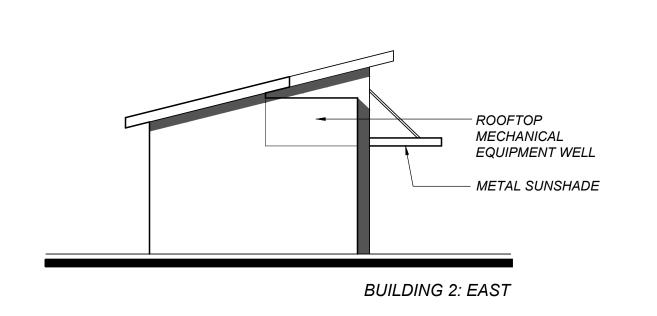


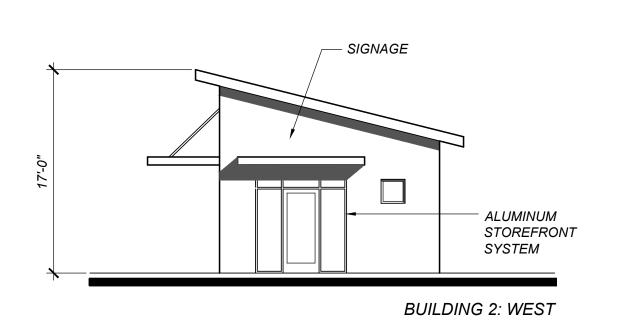


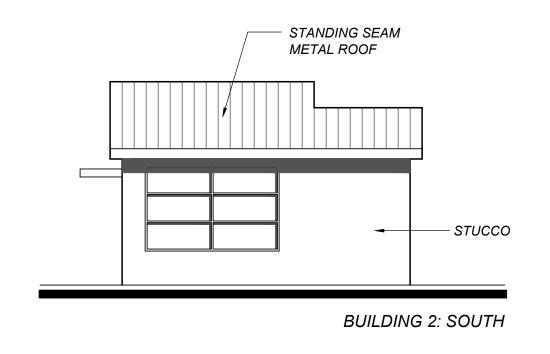


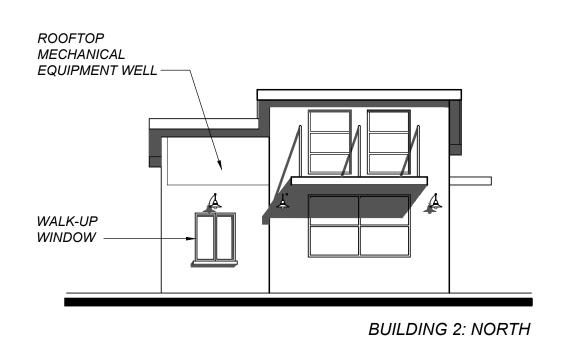








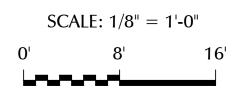




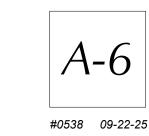
ELM TREE STATION

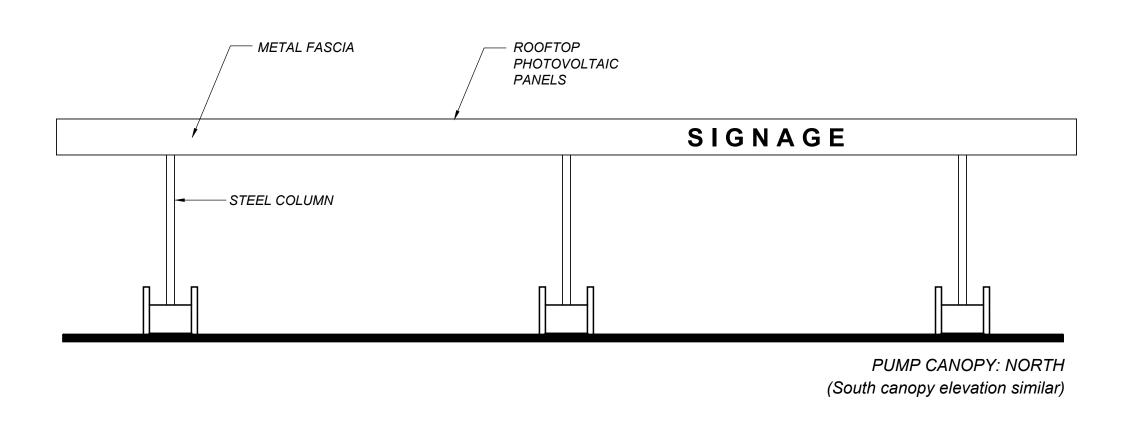
RETAIL MARKET and FUEL FACILITY
874 N. Wright Road Santa Rosa, CA

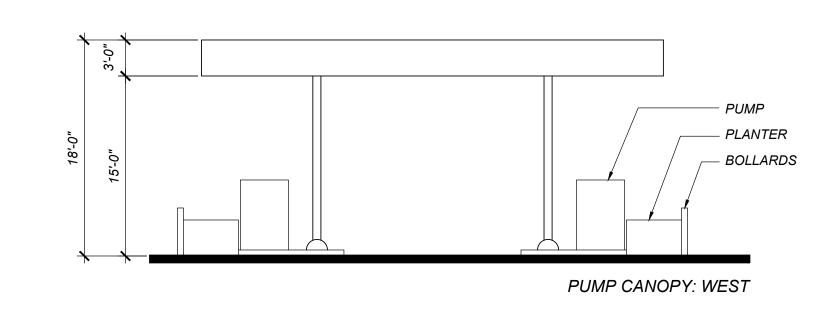
CONCEPTUAL ELEVATIONS
RETAIL MARKET and BUILDING 2

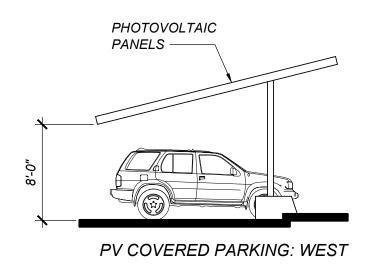


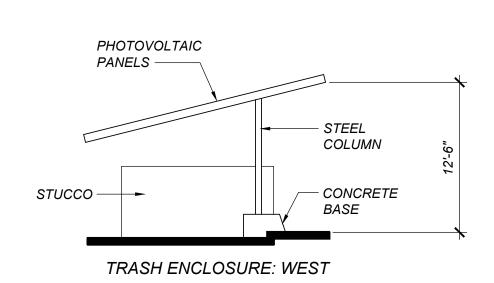


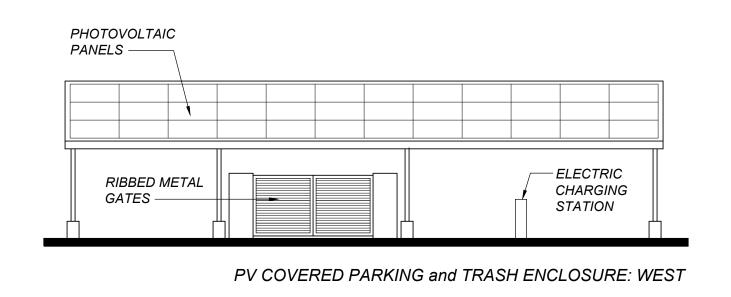


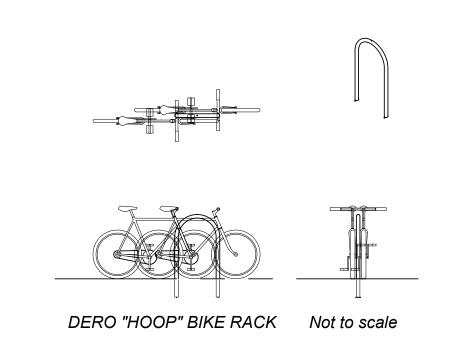




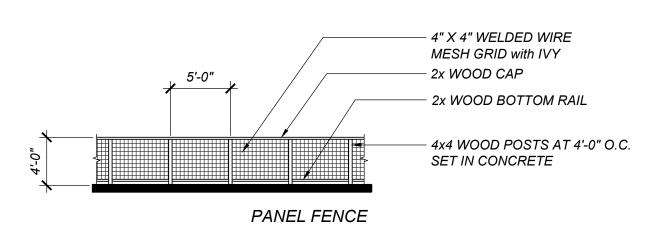


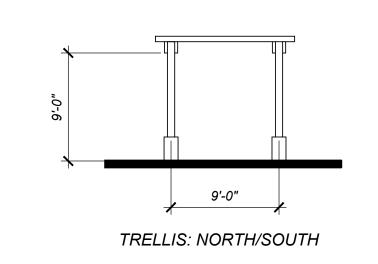


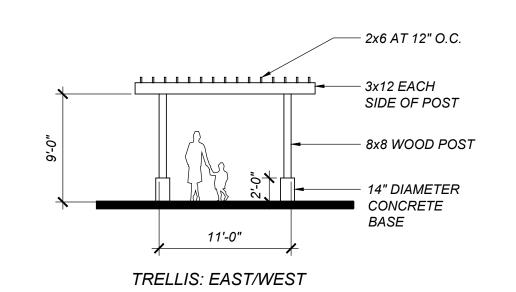












CONCEPTUAL ELEVATIONS
PUMP CANOPY, COVERED PARKING, TRELLIS,
and TRASH ENCLOSURE

SCALE: 1/8" = 1'-0"

0' 8' 16'

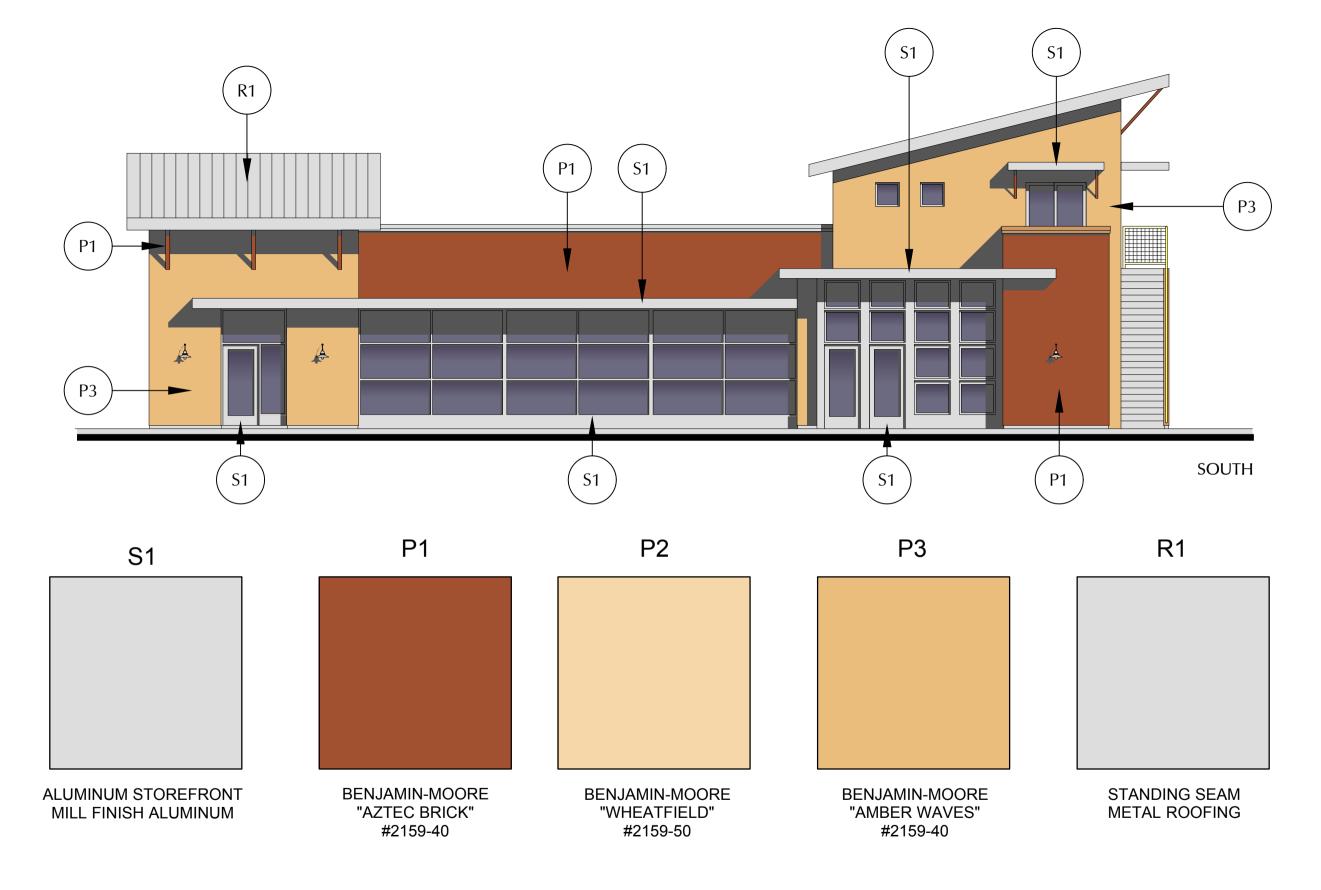
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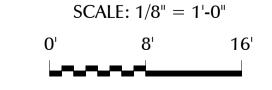
ARCHITECTS AIA





## COLOR BOARD

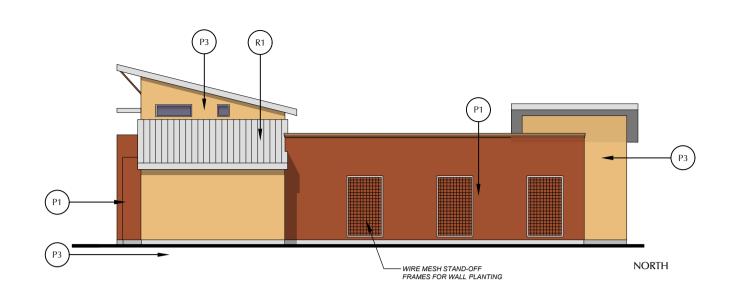
ELM TREE STATION 874 N. WRIGHT RD., SANTA ROSA, CALIFORNIA

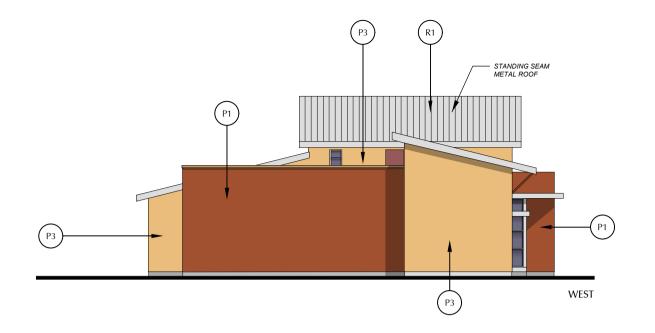


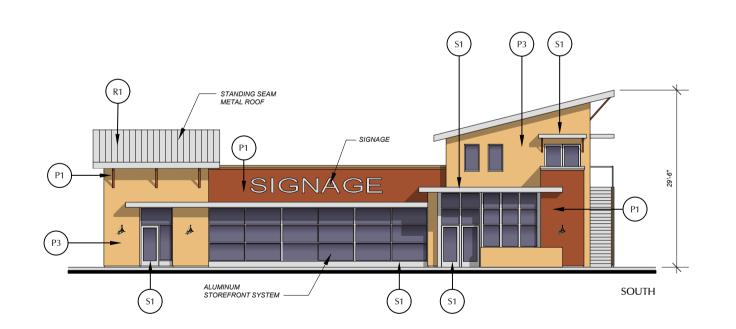
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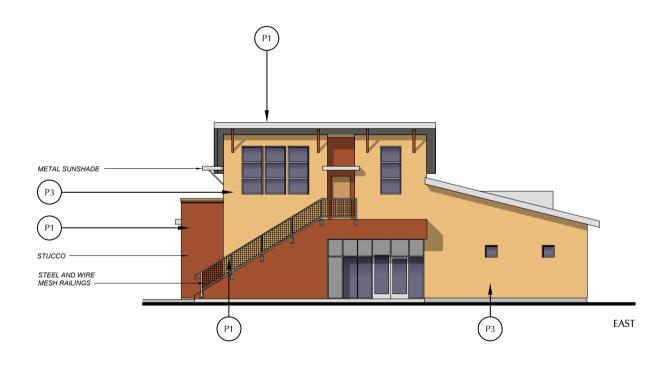
ARCHITECTS AIA

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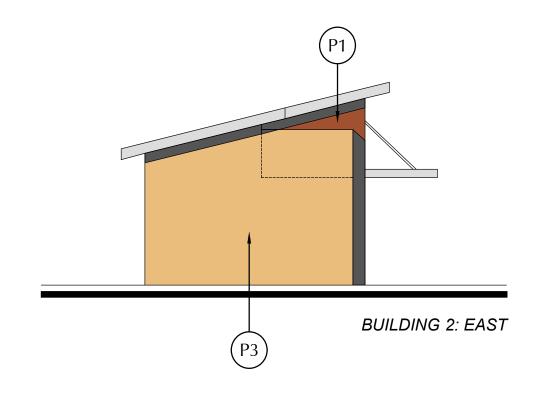


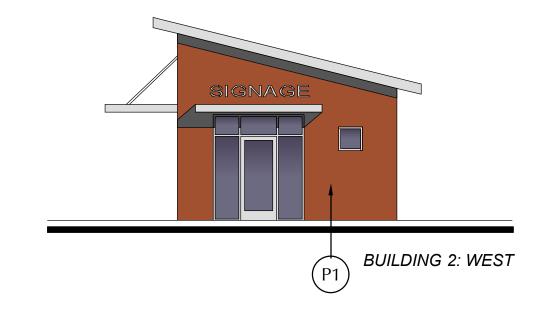


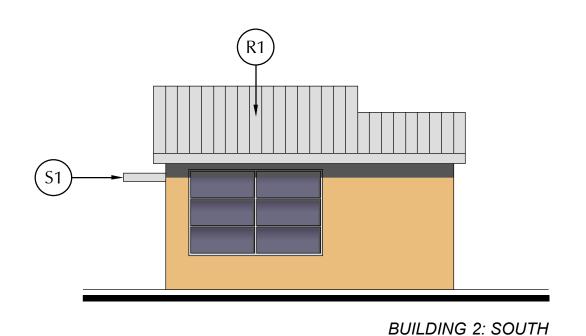
## RENDERED ELEVATIONS

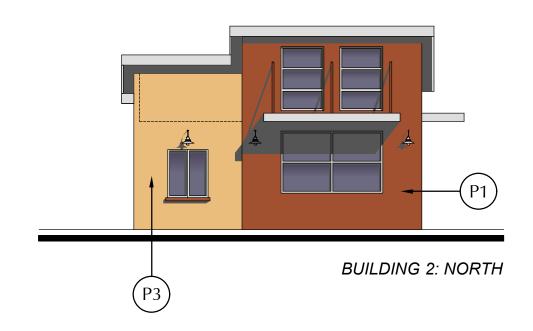
ELM TREE STATION 874 N. WRIGHT RD., SANTA ROSA, CALIFORNIA











### BLDG. 2 - RENDERED ELEVATIONS

HARDSCAPE OR TURF AREA FOR EASY ACCESS.

B. ALL CONSTRUCTION IS TO BE PER THE LATEST EDITION OF THE UNIFORM BUILDING CODE.

THIS DESIGN IS DIAGRAMMATIC. ALL PIPING, VALVES, ROOT BARRIERS, ETC. SHOWN WITHIN PAVED AREAS ARE FOR DESIGN CLARIFICATION ONLY. INSTALL PIPING AND VALVES IN PLANTING AREAS WHERE POSSIBLE, AND LOCATE ELECTRIC CONTROL AND QUICK COUPLING VALVES IN GROUND COVER/SHRUB AREAS, 6" TO 12" AWAY FROM

COORDINATE ALL WORK WITH THE GENERAL CONTRACTOR AND OTHER SUB-CONTRACTORS FOR THE LOCATION OF

UTILITIES AND THE INSTALLATION OF PIPE SLEEVES THROUGH WALLS, UNDER ROADWAYS, AND NEAR STRUCTURES

PRIOR TO CONSTRUCTION, CONTACT ALL APPLICABLE AGENCIES AND U.S.A. AT 1-800-642-2444 TO FIELD LOCATE

FIELD ADJUSTMENTS MAY BE REQUIRED TO PROVIDE OPTIMUM OPERATING EFFICIENCY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE LANDSCAPE ARCHITECT TO REVIEW FIELD ADJUSTMENTS PRIOR TO INSTALLATION. IN THE EVENT THAT NO CONTACT IS MADE WITH THE LANDSCAPE ARCHITECT, THE CONTRACTOR SHALL

CONTROL VALVE OR GROUP OF VALVES. VALVE SHALL BE SIZED TO MAINLINE SUPPLY AT THE RC VALVE. SEE

N. CONTRACTOR TO PROVIDE DEDICATED, NON-SWITCHED, GFI PROTECTED,120 VOLT CIRCUIT FOR IRRGATION CONTROLLER. LOCATION OF CONTROLLER SHALL BE SUBJECT TO OWNER APPROVAL.

O. UNLESS OTHERWISE NOTED, CONTROLLER SHALL BE GROUNDED AND HARD-WIRED TO GROUNDED A 110 VAC POWER SOURCE. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. P. CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY SUPPLEMENTAL IRRIGATION OF TREES. METHOD OF

IRRIGATION APPLICATION IS DISCRETIONARY AND MAY INCLUDE HAND WATERING OR INSTALLATION OF A TEMPORARY, ABOVE GRADE CIRCUIT. ANY REPLACEMENT NECESSARY FOR LOSS OR DAMAGE TO TREES DUE TO LACK OF WATER D. THE IRRIGATION CONTRACTOR SHALL FLUSH ALL IRRIGATION LINES AND EQUIPMENT. THIS SHALL INCLUDE THROTTLING THE FLOW CONTROL AT EACH VALVE TO OBTAIN THE OPTIMUM OPERATING PRESSURE FOR EACH SYSTEM. SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AT CONTRACTOR'S EXPENSE. E. IT IS THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO BEOME FAMILIAR WITH ALL GRADE DIFFERENCES, LOCATION OF WALLS, STRUCTURES, AND UTILITIES. THE IRRIGATION CONTRACTOR SHALL EXERCISE EXTREME CARE, AND BE RESPONSIBLE FOR ANY DAMAGE IN EXCAVATING AND WORKING NEAR UTILITIES. CONTRACTOR SHALL

Q. A SIGNED CERTIFICATE OF COMPLETION IS REQUIRED BEFORE FINAL ACCEPTANCE BY THE CITY OF SANTA ROSA. IF THE INSTALLATION OF THE LANDSCAPE DOES NOT MEET OR SUBSTANTIALLY COMPLY WITH THE APPROVED LANDSCAPE CONSTRUCTION DOCUMENTS, THE CERTIFICATE OF COMPLETION WILL NOT BE SIGNED OR APPROVED BY THE LANDSCAPE ARCHITECT OF RECORD.

R. ALL WORK SHALL CONFORM TO ALL APPLICABLE THE CITY OF SANTA ROSA CONSTRUCTION STANDARDS.

DURING THE ESTABLISHMENT PERIOD, CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY SUPPLEMENTAL IRRIGATION OF ALL BIO-RETENTION AREAS THROUGH THE SOD ESTABLISHMENT PERIOD. METHOD OF IRRIGATION APPLICATION IS DISCRETIONARY AND MAY INCLUDE HAND WATERING OR INSTALLATION OF A TEMPORARY, ABOVE GRADE OVERHEAD SPRAY CIRCUIT. ANY REPLACEMENT NECESSARY FOR LOSS OR DAMAGE TO PLANT MATERIAL DUE TO LACK OF WATER SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AT CONTRACTOR'S EXPENSE.

SLEEVE ALL IRRIGATION PIPE AND CONTROL WIRES UNDER STREETS AND CONCRETE WALKWAYS WITH THE PROPER SIZE CLASS 200 PVC PIPE TO DEPTH AS SPECIFIED. SIZE SLEEVE TO CONTAIN PIPE AND WIRE PER DETAIL; MINIMUM SIZE NO LESS THAN 2" DIAMETER MAINTAIN 6" MINIMUM CLEARANCE BETWEEN LANDSCAPE DRIPLINE AND HARDSCAPE OR OTHER LANDSCAPE EDGES. THE IRRIGATION SYSTEM DESIGN IS BASED ON THE MINIMUM STATIC PRESSURE OF 35 PSI AT THE VALVES AND THE MAXIMUM FLOW DEMAND SHOWN ON THE IRRIGATION DRAWINGS AT THE POINT OF CONNECTION. THE IRRIGATION CONTRACTOR SHALL VERIFY WATER PRESSURE BEFORE THE CONSTRUCTION OF THE IRRIGATION SYSTEM. IF THE WATER PRESSURE SHOWN ON THE DRAWINGS DIFFERS FROM THE ACTUAL PRESSURE READING AT THE IRRIGATION POINT OF CONNECTION, THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT IMMEDIATELY. IN THE EVENT PRESSURE DIFFERENCES ARE NOT REPORTED BEFORE THE START OF CONSTRUCTION, THE IRRIGATION CONTRACTOR SHALL LAGGING FILL DEED ONS BELL TO BE SHALL NOTIFY THE LANDSCAPE. A BALL VALVE IN A SEPARATE ROUND VALVE BOX IS TO BE INSTALLED IMMEDIATELY UPSTREAM FROM EACH REMOTE

V. WEED BARRIER FABRIC IS NOT SPECIFIED AND SHALL NOT BE INSTALLED.

**BUILDING 1** FF 96.00

₩ **□** ♦೮

FF 95.60

SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS NECESSARY.

K. INSTALL 3" WIDE DETECTABLE TAPE (#3" DTP, AS MANUFACTURED BY T. CHRISTY). TAPE SHALL BE INSTALLED 6" M. FURNISH AND INSTALL BACKFLOW BLANKET ON RPBP, SIZE TO FIT.

X. INSTALL ECO-MAT 4" BELOW GRADE WITH ECO INDICATOR. DURING IRRIGATION OPERATION, THE MAXIMUM RUN TIME SHALL NOT BE GREATER THAN TEN MINUTES. REPEAT THE 10-MINUTE CYCLE USING THE CYCLE AND SOAK FEATURE ALLOWING AT LEAST 1 HOUR BETWEEN CYCLES.

SYMB <i>O</i> L	EQUIPMENT	MANUFACTURER	MO	DEL	REMARKS
	Root Zone Watering System	Hunter	PCN-25	PR05-00	
**	Stream Bubbler: 6" Pop-Up	Hunter	2H	PR05-06-PR530-CV	
<u>'</u>	Landscape Dripline	Rain Bird	XFS-06-12		Install 3" Below Grade
	Eco-Mat	Hunter	ECO-MAT-17		install 4" Below Grade
• • • •	Poly to PVC Header				See Detail G/L3
AR	1/2" Air Relief Valve	Rain Bird	ARV050		Install in 6" valve box at high point(s) of sub-circuits
FV	Line Flush Valve	Rain Bird	PVC 1" X 3/4" True Union \		Install in 6" valve box at end of each sub-circuit
(EI)	Eco-Indicator, 6" Pop-Up	Hunter	EZ-1		Quantity as needed
	Drip Zone Control Valve	Hunter	ICZ-101-25		
•	Zone Control Valve	Hunter Industries(R)	ICV-101G-AS-ADJ		
MV	Hunter ICV 1" Master Valve	Hunter Industries(R)	ICV-1016		Master Valve
H	Isolation Valve - Ball Valve	KBI	CPVC CTS		install upstream at each valve or valve group
	1" Reduced Pressure Backflow Preventer	Zurn	975XL2TCU		Required
FS	Flow Sensor	CST	5P3		
C	8 Station Indoor Irrigation Controller	Hunter Industries	12CF-800-PL		
	EZ Decoder Output Module-2 wire up to 54 Stations	Hunter	EZ-DM		
	EZ Decoder - 1 Station	Hunter	EZ-1		Quantity as needed
	Mi-Fi Communication Module	Hunter	MIFIKIT		
	_ Mainline	PVC	5ch 40		
	Lateral	PVC	Sch 40		
	Irrigation Sleeves		PVC Schedule 40		Size by pipe load; 2" PVC minimum
8.9 /1D\	Valve Station and Sequence				
1"	Valve Size				
	Gallons Per Minute				

IRRIGATION LEGEND

DETAIL HYDROZONE TABLE						
Name	Method	Mater Use	Mater Use Value	Hydrozone Area in SF	% of Landscape	
1D	Sub-Surface Dripline	Low	0.3	1,950.63 sf	24.5%	
2E	Eco-Mat	Low	0.3	1,937.13 sf	24.3%	
3D	Sub-Surface Dripline	Moderate	0.6	256.84 sf	3.2%	
4B	Root Watering System	Low	0.3	113.09 sf	1.4%	
5D	Sub-Surface Dripline	Low	0.3	472.30 sf	5.9%	
6B	Root Watering System	Moderate	0.6	113.09 sf	1.4%	
TD	Sub-Surface Dripline	Low	0.3	3,032.23 sf	38.0%	
8B	Root Watering System	Moderate	0.6	56.54 sf	0.7%	
9D	Sub-Surface Dripline	Moderate	0.6	42.41 sf	0.5%	
				7,974 sf	100%	

Plant Type	Mater Use By Area	% of Landscap
Very Low	0.00	0%
Low	7,505.37	94%
Moderate	468.87	6%
High	0.00	0%
Total	7,974.25	100%

Valve ID	Hydrozone Area	Flow in GPM	Precipitation Rate in Inches Per Hour
1D	1950.63	11.4 GPM	0.56
2D	1937.13	8.1 GPM	0.40
3D	256.84	3.9 GPM	1.46
4B	113.09	2.8 GPM	2.38
5D	472.30	2.1 GPM	0.43
6B	113.09	1.8 GPM	1.57
7D	3032.23	14.2 GPM	0.45
8D	56.54	0.9 GPM	1.57
9D	42.41	1.8 GPM	3.99

### MAMA AND ETMU CALCULATIONS 1) Maximum Applied Water Allowance (MAWA, MAWA = (ETO) (0.62) [(0.55 X LA) + (0.45 X SLA)]

Where:
ETo = Annual Net Reference Evapotranspiration (Inches)
0.45 = ET Adjustment Factor (Commercial)
0.55 = ET Adjustment Factor (Residential)
LA = Landscaped Area (square feet)
0.62 = Conversion factor (to gallons per square foot)

SLA = Portion of the landscape area identified as Special Landscape Area (square feet) 0.45 = the additional ET adjustment factor for Special Landscape Area (1.0 - 0.55 = 0.45) (Commercial) 0.55 = the additional ET adjustment factor for Special Landscape Area (1.0 - 0.45 = 0.55) (Residential)

Commercial (C) or Residential (R) Net Evapotranspiration Calculation Local Reference ETo 47.67

ETMU =

28.80"/yr (Annual Rainfall) Net Evapotranspiration Calculation = Annual ETo - Effective Rainfall 40.47 Adjusted Landscape Area Calculation 7,974 sf 0.45 = 3,588.41 sf (Landscape Area) Adjustment Factor

0.00 sf 0.00 sf (Special Landscape Area) Adjustment Factor Sum of Adjusted Landscape Area = 3.588.41 sf 40.47 X .62 X 3,588 sf = 90,038 gal/yr 2) Estimated Total Water Use (ETWU, = 40.47 sf Net Evapotranspiration Calculation Net Evapotranspiration Calculation = Annual ETo - Effective Rainfall

B) Adjusted Landscape Area Calculation 0.00 sf Very Low Mater Use 7.505 sf 2,251.61 sf Low Water Use 469 sf 281.32 sf Moderate Mater Use 0.00 sf 0.00 sf High Mater Use

> × .62 × 2,533 sf / Irrigation Efficiency Factor

Square Footage of Landscape on Drip 7,974.24 sf Square Footage of Landscape on Spray 0.00 sf Total Square Footage of Landscape 7,974.24 sf Adjusted Irrigation Efficiency Factor 0.81

SOIL ANALYSIS REPORT

INSTALL ECO INDICATOR AT EACH CIRCUIT TO MONITOR OPERATION.

H. FOR ADDITIONAL INFORMATION, SEE PROJECT DETAILS AND SPECIFICATIONS.

NO GALVANIZED IRON PIPE OR FITTINGS SHALL BE ALLOWED

ABOVE THE IRRIGATION MAIN.

(REQUIRED BY CITY OF SANTA ROSA): IN ORDER TO REDUCE RUNOEE AND ENCOURAGE HEALTHY PLANT GROWTH A SOIL ANALYSIS REPORT SHALL BE COMPLETED BY THE PROJECT APPLICANT, OR THEIR DESIGNEE, AS FOLLOWS: (1) SUBMIT SOIL SAMPLES TO A LABORATORY FOR ANALYSIS AND RECOMMENDATIONS. (A) SOIL SAMPLING SHALL BE CONDUCTED IN ACCORDANCE

WITH LABORATORY PROTOCOL, INCLUDING PROTOCOLS REGARDING ADEQUATE SAMPLING DEPTH FOR THE INTENDED PLANTS. 2) THE SOIL ANALYSIS SHALL INCLUDE: (A) SOIL TEXTURE: (B) INFILTRATION RATE DETERMINED BY LABORATORY TEST OR

SOIL TEXTURE INFILTRATION RATE TABLE; (D) TOTAL SOLUBLE SALTS; (E) SODIUM:

(F) PERCENT ORGANIC MATTER; AND G) RECOMMENDATIONS. (3) IN PROJECTS WITH MULTIPLE LANDSCAPE INSTALLATIONS (I.E. PRODUCTION HOME DEVELOPMENTS) A SOIL SAMPLING RATE OF 1 IN 7 LOTS OR APPROXIMATELY 15% WILL SATISFY THIS REQUIREMENT. LARGE LANDSCAPE PROJECTS SHALL SAMPLE AT (4) THE SOIL ANALYSIS REPORT SHALL BE MADE AVAILABLE. IN A TIMELY MANNER.

DESIGN PLANS TO MAKE ANY NECESSARY ADJUSTMENTS TO THE DESIGN PLANS. (5) IF A GRADING PERMIT IS REQUIRED, THE SOIL ANALYSIS REPORT SHALL BE SUBMITTED TO THE CITY WITH THE CERTIFICATE OF COMPLETION. IF A GRADING PERMIT IS NOT REQUIRED, THE SOIL ANALYSIS REPORT SHALL BE SUBMITTED TO THE CITY WITH THE LANDSCAPE DOCUMENTATION PACKAGE

TO THE PROFESSIONALS PREPARING THE LANDSCAPE DESIGN PLANS AND IRRIGATION (6) THE PROJECT APPLICANT, OR HIS/HER DESIGNEE, SHALL SUBMIT DOCUMENTATION CITY WITH CERTIFICATE OF COMPLETION."

VERIFYING IMPLEMENTATION OF SOIL ANALYSIS REPORT RECOMMENDATIONS TO THE

BEGIN FENCE

AT SETBACK,

AT SETBACK, VERIFY

Lot 1 - 1" Dedicated Water Meter 1.00 in METER SIZE 16.7 gpm MAXIMUM SAFE FLOW 82.0 psi STATIC WATER PRESSURE

BEGIN FENCE

0

• • • • • • •

79.7 psi OUTPUT PRESSURE 14.2 gpm MAXIMUM OPERATING FLOW

Sum of Adjusted Landscape Area 2,532.94 sf 79,444 gal/yr

LOT 1 IRRIGATION PLAN

- 3/4 in

∟ 3/4 in

### IRRIGATION KEYNOTES

- IRRIGATION LAYOUT IS DIAGRAMMATIC. INSTALL ALL MAIN LINE LATERALS AND CONTROL WIRE IN LANDSCAPE AREAS. DO NOT INSTALL IN PUBLIC RIGHT OF WAY. WHEN LAYOUT REQUIRES INSTALLATION UNDER PAVING, USE IRRIGATION SLEEVES PER DETAIL
- 2. INSTALL 1-1/2" IRRIGATION MAIN FOR LOT 2. CAP UNTIL USE.
- 3. 1-1/2" LOT 2 IRRIGATION MAIN; INSTALL IN UTILITY EASEMENT, REFER TO CIVIL DRAWINGS.
- 4. INSTALL IRRIGATION CONTROLLER IN EQUIPMENT ROOM; POWER SUPPLY TO BE PROVIDED, SEE ELECTRICAL DRAWINGS FOR LOCATION; MALL MOUNT AT EYE LEVEL
- 5. SOLAR SYNC SENSOR, ROOF MOUNT WITH CLEAR ACCESS TO SKY
- 6. POLY TUBING TO PVC CONNECTION, TYPICAL
- 7. INSTALL DRIPLINE 2" BELOW GRADE IN ALL RAISED PLANTERS AT 24" OC TYPICAL; ALL DRIPLINE SHALL BE INSTALLED PARALLEL AND HELD BACK FROM EDGE 1/2 THE ROW SPACING.
- 8. INSTALL 1/4" DRIPLINE TUBING IN POTS AT 8" OC, TYPICAL
- 9. TREE BUBBLERS, FOUR PER #48 SIZE TREE, TYPICAL. ONE ABOVE GRADE MICRO-SPRAY AND THREE SUB-SUFACE BUBBLERS.
- 10. TREE BUBBLERS, TWO PER TREE , TYPICAL. ONE ABOVE GRADE MICRO-SPRAY AND ONE SUB-SUFACE BUBBLER.
- 11. TYPICAL IRRIGATION SLEEVE BENEATH PAVEMENT; SIZE SLEEVE TO CONTAIN PIPE AND WIRE PER DETAIL; MINIMUM SIZE NO LESS THAN 3"
- 12. LOT 2 IRRIGATION POC AT NEW 1" REDUCED PRESSURE BACKFLOW PREVENTER, REFER TO CIVIL DRAWINGS
- 13. LOT 1 IRRIGATION POC AT NEW 1" REDUCED PRESSUE BACKFLOW PREVENTER, REFER TO CIVIL DRAWINGS
- 14. ECO-MAT: INSTALL 4" BELOW GRADE IN SOIL MEDIUM

### CITY REQUIRED NOTES

1. UPON COMPLETION OF INSTALLATION, CONTRACTOR SHALL SUBMIT TO THE ENGINEERING DEVELOPMENT SERVICES INSPECTOR A COMPLETED AND SIGNED "CERTIIFICATE OF COMPLETION" STATING THE PROJECT HAS BEEN INSTALLED AS DESIGNED.

2. THE CERTIFICATE OF COMPLETION SHALL BE ACCOMPANIED BY AN IRRIGATION AUDIT, IRRIGATION SCHEDULE AND A MAINTENANCE SCHEDULE, AS DESCRIBED IN THE CITY ORDINANCE.

3. A FINAL CITY INSPECTION SHALL BE PERFORMED. THE INSTALLATION CONTRACTOR SHALL ATTEND THIS INSPECTION AND MAKE ALL REQUIRED REPAIRS AND ADJUSTMENTS TO ACHIEVE APPROVAL AND COMPLETION FROM THE CITY. TO SCHEDULE AN INSPECTION, CONTACT ENGINEERING DEVELOPMENT SERVICES AT (707) 543-4611.

4. A MINIMUM OF 8" OF NON-MECHANICALLY COMPACTED SOIL SHALL BE AVAILABLE FOR WATER ABSORPTION AND ROOT GROWTH IN PLANTED AREAS.

5. INCORPORATE COMPOST OR NATURAL FERTILIZER INTO THE SOIL TO A MINIMUM DEPTH OF 8" AT A MINIMUM RATE OF 8 CUBIC YARDS PER 1000 SQUARE FEET OR PER SPECIFIC AMENDMENT RECOMMENDATIONS FROM A SOILS LABORATORY REPORT.

6. A MINIIMUM 3" LAYER OF MULCH SHALL BE APPLIED ON ALL EXPOSED SOIL SURFACES OF PLANTING AREAS EXCEPT IN TURF AREAS, CREEPING OR ROOTING GROUNDCOVERS OR DIRECT SEEDING

### CITY REQUIREMENT OF DOCUMENT OF COMPLIANCE

- (ITEMS TO BE INCLUDED WITH CERTIFICATE OF COMPLETION)
- A. PROJECT APPLICANT MUST SUBMIT DOCUMENTATION VERIFYING IMPLEMENTATION OF SOIL ANALYSIS REPORT RECOMMENDATIONS TO THE CITY WITH CERTIFICATE OF COMPLETION B. THE CERTIFICATE OF COMPLETION MUST BE ACCOMPANIED BY AN IRRIGATION AUDIT THAT CONTAINS THE FOLLOWING:
- ♦ OPERATING PRESSURE OF THE IRRIGATION SYSTEM ♦ DISTRIBUTION UNIFORMITY OF OVERHEAD IRRIGATION

♦ IRRIGATION SCHEDULE INCLUDING:

- ♦ PRECIPITATION RATE OF OVERHEAD IRRIGATION ♦ REPORT OF ANY OVERSPRAY OR BROKEN IRRIGATION EQUIPMENT
- 1. PLANT ESTABLISHMENT IRRIGATION SCHEDULE
- 2. REGULAR IRRIGATION SCHEDULE BY MONTH (SEE ORDINANCE FOR DETAILS) 3. VERIFICATION THAT A DIAGRAM OF THE IRRIGATION PLAN SHOWING
- HYDROZONES IS KEPT WITH THE IRRIGATION CONTROLLER FOR SUBSEQUENT MANAGEMENT PURPOSES
- ♦ ALL LANDSCAPE IRRIGATION AUDITS MUST BE CONDUCTED BY A CITY CERTIFIED LANDSCAPE IRRIGATION AUDITOR OR A THIRD PARTY CERTIFIED LANDSCAPE
- IRRIGATION AUDITOR.
- AN IRRIGATION MAINTENANCE SCHEDULE TIMELINE MUST BE ATTACHED TO THE
- CERTIFICATE OF COMPLETION (SEE ORDINANCE FOR DETAILS) C. IRRIGATION AUDIT: AN IN-DEPTH EVALUATION OF THE PERFORMANCE OF AN IRRIGATION SYSTEM CONDUCTED BY A CERTIFIED LANDSCAPE IRRIGATION AUDITOR (SEE ORDINANCE FOR DETAILS). THE AUDIT MUST BE CONDUCTED IN A MANNER CONSISTENT WITH THE IRRIGATION ASSOCIATION'S LANDSCAPE IRRIGATION AUDITOR CERTIFICATION PROGRAM OR OTHER U.S. EPA "WATERSENSE" LABELED AUDITING PROGRAM.

DESCRIPTION

DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED

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TEL (707) 833-2288 don@macnairlandscapes.com

9/14/25 MLA JOB #: 2025-14 SCALE: 1" = 20' DRAWN: DM

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9/14/25

DM

MLA JOB #: 2025-14

SHEET L2 OF 3

SCALE: 1" = 20'

DRAMN:

14. FUTURE PEDESTRIAN ACCESS

15. EXISTING OAK TO REMAIN

TREES WITHIN 7' OF HARDSCAPE EDGE

TREE REMOVAL MITIGATION ARBOREAL VALUE (# OF #15 SIZE PROTECTED (SPECIES OR TRUNK D.B.H. IN REPLACEMENT STATUS SIZE) INCHES To remain Quercus lobata HERITAGE Ulmus parvifolia MITIGATE Remove 11.10.5.13.12.5.11 MITIGATE 4, 3.5 ,5, 5, 6, 4 5 10 Remove Quercus lobata EXEMPT Populus alba 0 Y MITIGATE Remove Fraxinus latifolia 9.5 4 Remove Populus alba EXEMPT 32 0 Remove Populus alba DEAD Y MITIGATE 7.5 4 Remove Maytenus boaria Pinus radiata EXEMPT 11" 0

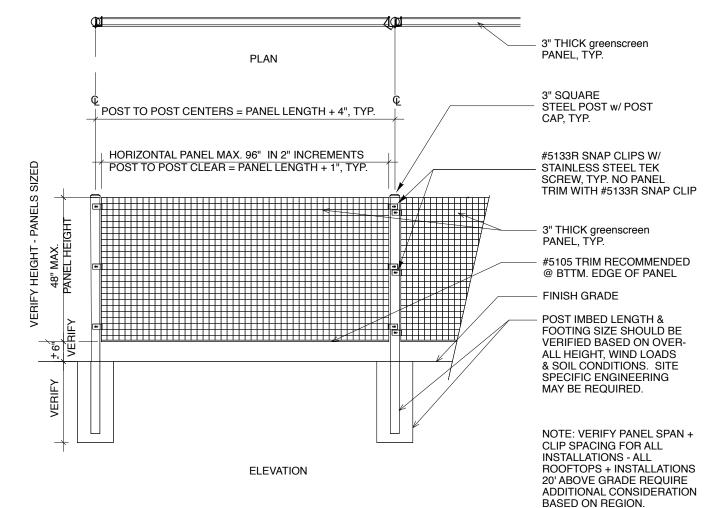
Total #15 Size Replacement Trees Required Proposed Total #24 Size Replacement Oak Trees to be Planted in Lieu of #15 SizeTrees Proposed Total #36 Size Replacement Oak Trees to be Planted in Lieu of #15 SizeTrees Proposed Total #24 Size Replacement Non-Native Trees to be Planted in Lieu of

FOR EACH SIX INCHES OR FRACTION THEREOF OF THE DIAMETER OF A TREE WHICH WAS APPROVED FOR REMOVAL, TWO TREES OF THE SAME GENUS AND SPECIES AS THE REMOVED TREE (OR ANOTHER SPECIES, IF APPROVED BY THE DIRECTOR), EACH OF A MINIMUM 15-GALLON CONTAINER SIZE, SHALL BE ANTED ON THE PROJECT SITE, PROVIDED HOWEVER, THAT AN INCREASED NUMBER OF SMALLER SIZE TREES OF THE SAME GENUS AND SPECIES MAY BE PLANTED IF APPROVED BY THE DIRECTOR, OR A FEWER NUMBER OF SUCH TREES OF A LARGER SIZE IF APPROVED BY THE DIRECTOR. THE VALUE CALCULATION IS

BASED ON TREE DIAMETER AT BREAST HEIGHT WITH THE FOLLOWING ARBOREAL REPLACEMENT VALUES:

D.B.H.(INCHES)	#15 SIZE REPLACEMENT TREES
0 - 5	۷
6 - 11	4
12 - 17	6
18 - 23	8
24 - 29	10
30 - 35	12
36 - 41	14
42 - 47	16
48 - 53	18
54 - 59	20

- MULTI-TRUNK TREES DBH SIZE IS CALCULATED BY ADDING THE TOTAL DBH OF ALL TRUNKS FOR A SINGULAR TRUNK SIZE CALCULATION
- ALL TREES PROPOSED FOR REMOVAL, SHALL BE MITIGATED IN ACCORDANCE WITH THE CITY OF SANTA ROSA TREE ORDINANCE, CHAPTER 17.24





			PLANT LEGEN			
SYMB <i>O</i> L	SIZE	BOTANICAL NAME	COMMON NAME	MATER USE PER MUCOLS	QUANTITY	
Trees						
ARA	#24	Acer rubrum 'Armstrong'	Armstrong Maple	.6	4	
LIM	#24	Lagerstroemia indica x fauriei 'Muskogee'	Muskogee Crape Myrtle	.3	2	
QLO	#48	Quercus lobata	Valley Oak .3 1 5		Standard Form	
QLO	#24	Quercus lobata	Valley Oak	.3	4	
hrubs						
ADH	#5	Arctostaphylos densiflora 'Howard McMinn'	Vine Hill Manzanita	.3	12	
LCH	#5	Loropetalum chinense 'Razzleberri'	Razzleberri Fringe Flower	.3	14	
PTM	#5	Pittosporum tobira 'Wheeler's Dwarf'	Mheeler's Dwarf Japanese Mock Orange	.3	11	
FCP	#5	Fremontodendron californicum 'Pacific Sunset'	Pacific Sunset Flannel Bush	.1	4	
CDS	#5	Ceanothus x 'Dark Star'	Dark Star California Lilac	.3	5	
Perennials						
LIP	#5	Lavandula x intermedia 'Phenomenal'	Phenomenal French Lavender	.3	40	
IDO	#1	Iris douglasiana	Douglas Iris	.3	83	California Native
PTJ	#5	Phormium tenax 'Jack Spratt'	Jack Spratt New Zealand Flax	.3	11	
/ines						
CCA	#1	Clytostoma callistegioides	Lavender Trumpet Vine	.6	Э	
FPU	#1	Ficus pumila	Creeping Fig	.6	8	
5roundcove	er					
	#1	Cotoneaster dammeri 'Coral Beauty'	Coral Beauty Coral Beauty	0.3	19	6' OC, Triangular Spacing
	#1	Erigeron karvinskianus	Santa Barbara Daisy	0.3	15	3' OC, Triangular Spacing
	#1	Arctostaphylos 'Pacific Mist'	Coral Beauty Coral Beauty	0.3	43	6' OC, Triangular Spacing, California native
_						
Ornamental						1
PAH	#1	Pennisetum alopecuroides 'Hameln'	Dwarf Fountain Grass	.3	60	
Bioretention	n Areas		1			
	Sod	Biofiltration Sod	"Biofiltration Sod"	0.3	1431 sf±	Delta Bluegrass
Other						
		Mulch: Fir Bark 1-1/2" Minus	Medium Walk-On Bark			3" Depth, All Landscape Areas
	2'	24 in. X 24 in. Root Barrier Panel	NDS	2'	157 lf±	Install with vertical 4" gravel barrier

"BIO-FILTRATION SOD" CONTAINS THE FOLLOWING GRASS

NASSELLA PULCHRA; HORDEUM BRACHYANTEHERUM SSP. CALIFORNICUM, HORDEUM BRACHYANTHERUM, FESTUCA RUBRA

PLEASE NOTE THESE GRASS SPECIES ARE INCLUDED ON THE APPROVED LIST (APPENDIX F) OF THE SWLID MANUAL

U.S.A NOTE
IT IS THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR TO BE FAMILIAR
MITH ALL GRADE DIFFERENCES, LOCATION OF WALLS, STRUCTURES, AND
UTILITIES. THE IRRIGATION CONTRACTOR SHALL EXERCISE EXTREME CARE, AND
BE RESPONSIBLE FOR ANY DAMAGE IN EXCAVATING AND WORKING NEAR
UTILITIES. THE LANDSCAPE CONTRACTOR SHALL COORDINATE ALL WORK WITH
THE OTHER SUB-CONTRACTORS FOR THE LOCATION OF UTILITIES AND THE
INSTALLATION OF PIPE SLEEVES THROUGH WALLS, UNDER ROADWAYS, AND
NEAR STRUCTURES. PRIOR TO CONSTRUCTION, CONTACT ALL APPLICABLE
AGENCIES AND U.S.A. AT 1-800-642-2444 OR 1-800-227-2600 TO FIELD
LOCATE ALL EXISTING UTILITIES.

## General Planting Notes

A. ALL GROUND COVER TO BE SPACED IN A TRIANGULAR PATTERN. CONTRACTOR RESPONSIBLE FOR COMPLETE COVERAGE.

ALL TREE PLACEMENT SUBJECT

APPROVAL. CONTRACTOR SHALL

TO CITY OF SANTA ROSA

**VERIFY UTILITY LOCATIONS** 

WITH UTILITIES SHALL BE

SUBJECT TO REMOVAL.

PRIOR TO TREE INSTALLATION.

TREE LOCATIONS CONFLICTING

- B. SUPPLY AGRIFORM 21 GRAM TABLETS AS FOLLOWS: 5-15 GAL., 3-5
- C. DIG PLANTING PITS 2 TIMES THE DIAMETER AND EQUAL THE HEIGHT OF
- D. BACKFILL PITS WITH 2/3 EXISTING SOIL, 1/3 ORGANIC AMENDMENT. E. ALL PLANTS TO BE SPOTTED IN THE FIELD BY LANDSCAPE ARCHITECT PRIOR TO PLANTING.
- F. WHEN LANDSCAPING IN EXISTING PLANTED AREAS, CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE OR DESTROY ANY EXISTING PLANT MATERIAL OR IRRIGATION. EXISTING PLANT MATERIAL AND IRRIGATION THAT IS DAMAGED SHALL BE REPLACED WITH LIKE, SIZE,
- QUALITY, ETC. BY THE CONTRACTOR AT HIS EXPENSE. G. SPECIAL ATTENTION IS TO BE PAID TO THE PLANTING AREAS SURROUNDING THE BUILDINGS. COMPACTED SOIL IS TO BE SUFFICIENTLY EXCAVATED TO ALLOW FOR PROPER ROOT GROWTH AND DRAINAGE OF ALL AREAS. CHECK SOIL FOR PROPER DRAINAGE PRIOR TO PLANTING. AUGER THROUGH COMPACTED SOIL WHERE NECESSARY. DO NOT PLANT IN THE DRAINAGE SWALES.
- H. ALL CONSTRUCTION IS TO BE PER ALL APPLICABLE AND PREVAILING CITY OF SANTA ROSA CONSTRUCTION STANDARDS.
- I. A SIGNED CERTIFICATE OF COMPLETION IS REQUIRED BEFORE FINAL ACCEPTANCE BY THE CITY OF SANTA ROSA. IF THE INSTALLATION OF THE LANDSCAPE DOES NOT MEET OR SUBSTANTIALLY COMPLY WITH THE APPROVED LANDSCAPE CONSTRUCTION DOCUMENTS, THE CERTIFICATE OF COMPLETION WILL NOT BE SIGNED OR APPROVED BY THE LANDSCAPE ARCHITECT OF RECORD.

- A MINIMUM 3" LAYER OF MULCH SHALL BE APPLIED ON ALL EXPOSED SOIL SURFACES OF PLANTING AREAS EXCEPT IN BIORETENTION AREAS, TURF AREAS, CREEPING OR ROOTING GROUNDCOVERS, OR DIRECT SEEDING APPLICATIONS. ON SLOPES GREATER THAN 6:1, INSTALL JUTE NETTING IN CONJUNCTION WIFE THE MULCH APPLICATION. INSTALL NETTING PER MANUFACTURER'S SPECIFICATIONS.
- K. A MINIMUM OF 8" OF NON-MECHANICALLY COMPACTED SOIL SHALL BE AVAILABLE FOR WATER ABSORPTION AND ROOT GROWTH IN PLANTED AREAS.
- L. A SOIL REPORT SHALL BE PROVIDED FOR ALL IMPORTED TOP SOILS. REFER TO SPECIFICATIONS.
- M. INCORPORATE COMPOST OR NATURAL FERTILIZER INTO THE SOIL TO A MINIMUM DEPTH OF 8" AT A MINIMUM RATE OF 8 CUBIC YARDS PER 1,000 SQUARE FEET OR PER SPECIFIC AMENDMENT RECOMMENDATIONS FROM A SOILS LABORATORY REPORT.
- INDICATING THE DEPTHS AND LIMITS OF LIMED SOIL AREAS. O. SOIL SAMPLE REPORTS AND IRRIGATION WATER SUITABILITY REPORTS

# 20

MITIGATION TREE (QL

16 -

**BUILDING 1** 

X □ ΦU

**BUILDING 2** 

FF 95.60

LOT 1 PLANTING PLAN

QLO MITIGATION TREE

- LIME-TREATED SOIL SHALL BE REMOVED FROM LANDSCAPE AREAS PER SPECIFICATION. THE CONTRACTOR SHALL PROVIDE A DIAGRAM
- SHALL BE REVIEWED BY THE LANDSCAPE ARCHITECT BEFORE AMENDING SOILS PER SPECIFICATIONS.
- THE FINISH GRADE SHALL BE 3" BELOW THE TOP OF ADJACENT CURBS, WALKS, OR PAVED AREAS. FINISH GRADE SHALL BE SMOOTH
- Q. UNLESS OTHERWISE SPECIFIED, WEED BARRIER FABRIC IS NOT PERMITTED.

- PLANTING AND LAYOUT KEYNOTES 1. LOCATION FOR PROPOSED CITY REQUIRED
- ARTWORK/SCULPTURE 2. 4' TALL WIRE MESH FENCE @ BACK OF BIKE PATH; REFER TO "GREEN SCREEN "DETAIL H/L-3, TYPICAL ALL FENCES.
  INSTALL ALONG NORTH, EAST AND SOUTH PROPERTY LINES
- 3. PEDESTRIAN AND BICYCLE ACCESS; HOLD BACK FENCE 18"
- FROM EDGE OF PATH 4. INSTALL ROOT BARRIER ALONG ENTIRE SOUTH EDGE OF THE EXISTING AC PATH ADJACENT TO THE JOE RODOTA PATH
- 5. END LOT 1 FENCE AT PROPERTY LINE
- 6. MULCH ONLY BENEATH EXISTING OAKS TO REMAIN, HOLD BACK FROM TRUNK 24"
- 7. 4' TALL WIRE MESH FENCE @ PROPERTY LINE 8. EXISTING OAKS ON BIKE PATH RIGHT OF WAY, TYP.
- 9. N/A 10. MONUMENT SIGN
- 11. BEGIN FENCE AT SETBACK, VERIFY 12. STORM DRAIN EASEMENT
- 13. 4' TALL WIRE MESH FENCE @ PROPERTY LINE ON NORTH, EAST

- 16. 24" DEEP LINEAL ROOT BARRIER, TYPICAL; APPLIES TO ALL
- 17. 3" DEEP MULCH, ALL LANDSCAPE AREAS

F	REV NO.	DATE	DESCRIPTION
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don@macnairlandscapes.com

MLA JOB #: 2025-14 SCALE: N/A DRAWN: DM

DATE:

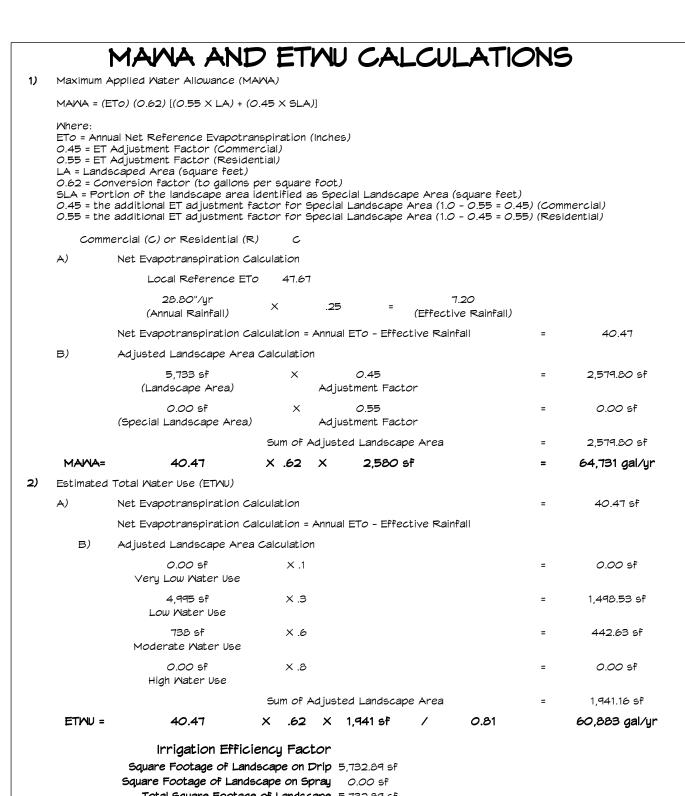
SHEET L3 OF 3

9/14/25

Gallons Per Minute

		IRRIGA	TION LE	GEND	
SYMBOL	EQUIPMENT	MANUFACTURER	MODEL		REMARKS
•	Root Zone Watering System	Hunter	PCN-25	PR05-00	
*	Stream Bubbler: 6" Pop-Up	Hunter	2H	PR05-06-PR530-CV	
	Landscape Dripline	Rain Bird	XF5-06-12		Install 3" Below Grade
• • • •	Poly to PVC Header				See Detail G/L3
AR	1/2" Air Relief Valve	Rain Bird	ARV050		Install in 6" valve box at high point(s) of sub-circuits
FV	Line Flush Valve	Rain Bird	PVC 1" X 3/4" True Union \	4	Install in 6" valve box at end of each sub-circuit
(EI)	Eco-Indicator, 6" Pop-Up	Hunter	EZ-1		Quantity as needed
MV	Hunter ICV 1" Master Valve	Hunter	ICV-101G		Normally Closed Master Valve
	Drip Zone Control Valve	Hunter	ICZ-101-25		
•	Zone Control Valve	Hunter	ICV-101G-AS-ADJ		
	1" Reduced Pressure Backflow Preventer	Zurn	975XL2TCU		Required
FS	Flow Sensor	CST	SP3		
•	Rainbird 1" Quick Coupling Valve	Rainbird	44-NP		Use with Reclaimed Mater
C	8 Station Indoor Irrigation Controller	Hunter Industries	12CF-800-PL		
	Mi-Fi Communication Module	Hunter	MIFIKIT		
	– Mainline	PVC	5ch 40		
	Lateral	PVC	5ch 40		
	Irrigation Sleeves		PVC Schedule 40		Size by pipe load; 2" PVC minimum
8.9 /1D\	Valve Station and Sequence				
1"	Valve Size				

Name	Method	Mater Use	Mater Use Value	Hydrozone Area in SF	% of Landscap	
1D	Sub-Surface Drip	Moderate	0.6	737.72 sf	12.9%	
2D	Sub-Surface Drip	Low	0.3	2,039.76 sf	35.6%	
3B	Bubblers	Low	0.3	197.90 sf	3.5%	
4D	Sub-Surface Drip	Low	0.3	2,757.45 sf	48.1%	
	SUNANA	ABY HYDB	OZONE TA	5,733 sf	100%	
	Plant Type	·	RY HYDROZONE TABLE  Water Use By Area			
	Very Low		00	0%		
	Low	4,99	15.10	87%		
	Moderate	73-	1.72	13%		
	High	0.0	00	0%		
	Tota	5,73	2.82	100%		
	DDECID!	TATION RA	TEG BY V	'ALVE		
	Valve ID	Hydrozone Area	Flow in GPM	Precipitation Rate in Inches Per Hour		
	Valve ID	Hydrozone Area	Flow in GPM	Precipitation Rate in Inches Per Hour		
	Valve ID	Hydrozone Area	Flow in GPM	Precipitation Rate in Inches Per Hour		
	Valve ID	Hydrozone Area	Flow in GPM	Precipitation Rate in Inches Per Hour		



### GENERAL IRRIGATION NOTES

- A. THE LOCATION OF THE CONTROLLER TO BE VERIFIED BY OWNER. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR CONNECTING ALL PROPOSED STATIONS TO THE CONTROLLER. CONTROLLER TO BE CONFIGURED TO OPERATE 4 STATIONS. CONTROLLER SHALL BE HUNTER IZCF WITH CONVENTIONAL WIRING.
- B. ALL CONSTRUCTION IS TO BE PER THE LATEST EDITION OF THE UNIFORM BUILDING CODE.
- C. THIS DESIGN IS DIAGRAMMATIC. ALL PIPING, VALVES, ROOT BARRIERS, ETC. SHOWN WITHIN PAVED AREAS ARE FOR DESIGN CLARIFICATION ONLY. INSTALL PIPING AND VALVES IN PLANTING AREAS WHERE POSSIBLE, AND LOCATE ELECTRIC CONTROL AND QUICK COUPLING VALVES IN GROUND COVER/SHRUB AREAS, 6" TO 12" AWAY FROM
- HARDSCAPE OR TURF AREA FOR EASY ACCESS. D. THE IRRIGATION CONTRACTOR SHALL FLUSH ALL IRRIGATION LINES AND EQUIPMENT. THIS SHALL INCLUDE THROTTLING
- E. IT IS THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO BEOME FAMILIAR WITH ALL GRADE DIFFERENCES, LOCATION OF WALLS, STRUCTURES, AND UTILITIES. THE IRRIGATION CONTRACTOR SHALL EXERCISE EXTREME CARE, AND BE RESPONSIBLE FOR ANY DAMAGE IN EXCAVATING AND WORKING NEAR UTILITIES. CONTRACTOR SHALL COORDINATE ALL WORK WITH THE GENERAL CONTRACTOR AND OTHER SUB-CONTRACTORS FOR THE LOCATION OF UTILITIES AND THE INSTALLATION OF PIPE SLEEVES THROUGH WALLS, UNDER ROADWAYS, AND NEAR STRUCTURES. PRIOR TO CONSTRUCTION, CONTACT ALL APPLICABLE AGENCIES AND U.S.A. AT 1-800-642-2444 TO FIELD LOCATE
- G. SLEEVE ALL IRRIGATION PIPE AND CONTROL WIRES UNDER STREETS AND CONCRETE WALKWAYS WITH THE PROPER SIZE CLASS 200 PVC PIPE TO DEPTH AS SPECIFIED. SIZE SLEEVE TO CONTAIN PIPE AND WIRE PER DETAIL; MINIMUM SIZE NO LESS THAN 2" DIAMETER
- H. FOR ADDITIONAL INFORMATION, SEE PROJECT DETAILS AND SPECIFICATIONS.
- I. NO GALVANIZED IRON PIPE OR FITTINGS SHALL BE ALLOWED
- J. A BALL VALVE IN A SEPARATE ROUND VALVE BOX IS TO BE INSTALLED IMMEDIATELY UPSTREAM FROM EACH REMOTE CONTROL VALVE OR GROUP OF VALVES. VALVE SHALL BE SIZED TO MAINLINE SUPPLY AT THE RC VALVE. SEE
- K. INSTALL 3" WIDE DETECTABLE TAPE (#3" DTP, AS MANUFACTURED BY T. CHRISTY). TAPE SHALL BE INSTALLED 6"

SOIL ANALYSIS REPORT

(A) SOIL SAMPLING SHALL BE CONDUCTED IN ACCORDANCE WITH LABORATORY PROTOCOL, INCLUDING PROTOCOLS

(B) INFILTRATION RATE DETERMINED BY LABORATORY TEST OR

(3) IN PROJECTS WITH MULTIPLE LANDSCAPE INSTALLATIONS (I.E. PRODUCTION HOME DEVELOPMENTS) A SOIL SAMPLING RATE OF 1 IN 7 LOTS OR APPROXIMATELY 15%

WILL SATISFY THIS REQUIREMENT. LARGE LANDSCAPE PROJECTS SHALL SAMPLE AT

(4) THE SOIL ANALYSIS REPORT SHALL BE MADE AVAILABLE. IN A TIMELY MANNER. TO THE PROFESSIONALS PREPARING THE LANDSCAPE DESIGN PLANS AND IRRIGATION

DESIGN PLANS TO MAKE ANY NECESSARY ADJUSTMENTS TO THE DESIGN PLANS.

COMPLETION. IF A GRADING PERMIT IS NOT REQUIRED, THE SOIL ANALYSIS REPORT SHALL BE SUBMITTED TO THE CITY WITH THE LANDSCAPE DOCUMENTATION PACKAGE (6) THE PROJECT APPLICANT, OR HIS/HER DESIGNEE, SHALL SUBMIT DOCUMENTATION

(5) IF A GRADING PERMIT IS REQUIRED, THE SOIL ANALYSIS REPORT SHALL BE

REGARDING ADEQUATE SAMPLING DEPTH FOR THE

SOIL TEXTURE INFILTRATION RATE TABLE;

(F) PERCENT ORGANIC MATTER; AND

SUBMITTED TO THE CITY WITH THE CERTIFICATE OF

DESIGNEE, AS FOLLOWS:

INTENDED PLANTS.

(E) SODIUM:

2) THE SOIL ANALYSIS SHALL INCLUDE: (A) SOIL TEXTURE;

(D) TOTAL SOLUBLE SALTS;

G) RECOMMENDATIONS.

(REQUIRED BY CITY OF SANTA ROSA):

IN ORDER TO REDUCE RUNOFF AND ENCOURAGE HEALTHY PLANT GROWTH A SOIL

ANALYSIS REPORT SHALL BE COMPLETED BY THE PROJECT APPLICANT, OR THEIR

(1) SUBMIT SOIL SAMPLES TO A LABORATORY FOR ANALYSIS AND RECOMMENDATIONS.

- O. UNLESS OTHERWISE NOTED, CONTROLLER SHALL BE GROUNDED AND HARD-WIRED TO GROUNDED A 110 VAC POWER
- P. CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY SUPPLEMENTAL IRRIGATION OF TREES. METHOD OF
- THE LANDSCAPE ARCHITECT OF RECORD.
  - R. ALL MORK SHALL CONFORM TO ALL APPLICABLE THE CITY OF SANTA ROSA CONSTRUCTION STANDARDS.
  - DURING THE ESTABLISHMENT PERIOD, CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY SUPPLEMENTAL IRRIGATION OF ALL BIO-RETENTION AREAS THROUGH THE SOD ESTABLISHMENT PERIOD. METHOD OF IRRIGATION APPLICATION IS DISCRETIONARY AND MAY INCLUDE HAND WATERING OR INSTALLATION OF A TEMPORARY, ABOVE
  - . MAINTAIN 6" MINIMUM CLEARANCE BETWEEN LANDSCAPE DRIPLINE AND HARDSCAPE OR OTHER LANDSCAPE EDGES. THE IRRIGATION SYSTEM DESIGN IS BASED ON THE MINIMUM STATIC PRESSURE OF 35 PSI AT THE VALVES AND THE
  - MAXIMUM FLOW DEMAND SHOWN ON THE IRRIGATION DRAWINGS AT THE POINT OF CONNECTION. THE IRRIGATION CONTRACTOR SHALL VERIFY WATER PRESSURE BEFORE THE CONSTRUCTION OF THE IRRIGATION SYSTEM. IF THE WATER PRESSURE SHOWN ON THE DRAWINGS DIFFERS FROM THE ACTUAL PRESSURE READING AT THE IRRIGATION POINT OF CONNECTION, THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT IMMEDIATELY. IN THE EVENT PRESSURE DIFFERENCES ARE NOT REPORTED BEFORE THE START OF CONSTRUCTION, THE IRRIGATION CONTRACTOR SHALL LAGGING FILL DEED ONS BELL TO BE SHALL NOTIFY THE LANDSCAPE.
- X. INSTALL ECO-MAT 4" BELOW GRADE WITH ECO INDICATOR. DURING IRRIGATION OPERATION, THE MAXIMUM RUN TIME SHALL NOT BE GREATER THAN TEN MINUTES. REPEAT THE 10-MINUTE CYCLE USING THE CYCLE AND SOAK FEATURE

### IRRIGATION KEYNOTES

- 1. LOCATION FOR PROPOSED CITY REQUIRED ARTWORK/SCULPTURE
- AT 24" OC TYPICAL; ALL DRIPLINES SHALL BE INSTALLED PARALLEL, GENERALLY FOLLOWING CONTOURS.

THESE DRAWINGS COMPLY WITH THE CRITERIA OF THE ORDINANCE. ORDINANCE REQUIREMENTS HAVE BEEN APPLIED FOR THE EFFICIENT

ISE OF WATER IN THE IRRIGATION DESIGN PLAN AND THE LANDSCAPE

- 4. POLY TUBING TO PYC CONNECTION, TYPICAL
- 5. LOT 2 IRRIGATION POC AT IRRIGATION MAIN STUB-OUT
- 6. LOT 2 IRRIGATION POC AT NEW 1" REDUCED PRESSURE BACKFLOW
- 7. SOLAR SYNC SENSOR, ROOF MOUNT WITH CLEAR ACCESS TO SKY

- 10. 4' TALL MIRE MESH FENCE @ BACK OF BIKE PATH; REFER TO "GREEN SCREEN "DETAIL N/L-3, TYPICAL ALL FENCES. INSTALL ALONG NORTH, EAST AND SOUTH PROPERTY LINES

### CITY REQUIRED NOTES

1. UPON COMPLETION OF INSTALLATION, CONTRACTOR SHALL SUBMIT TO THE ENGINEERING DEVELOPMENT SERVICES INSPECTOR A COMPLETED AND SIGNED "CERTIIFICATE OF COMPLETION" STATING THE PROJECT HAS BEEN INSTALLED AS DESIGNED.

THIS INSPECTION AND MAKE ALL REQUIRED REPAIRS AND ADJUSTMENTS TO ACHIEVE APPROVAL AND

4. A MINIMUM OF 8" OF NON-MECHANICALLY COMPACTED SOIL SHALL BE AVAILABLE FOR WATER

5. INCORPORATE COMPOST OR NATURAL FERTILIZER INTO THE SOIL TO A MINIMUM DEPTH OF 8" AT A

6. A MINIIMUM 3" LAYER OF MULCH SHALL BE APPLIED ON ALL EXPOSED SOIL SURFACES OF PLANTING AREAS EXCEPT IN TURF AREAS, CREEPING OR ROOTING GROUNDCOVERS OR DIRECT SEEDING

### CITY REQUIREMENT OF DOCUMENT OF COMPLIANCE

- (ITEMS TO BE INCLUDED WITH CERTIFICATE OF COMPLETION) A. PROJECT APPLICANT MUST SUBMIT DOCUMENTATION VERIFYING IMPLEMENTATION OF SOIL
- ♦ DISTRIBUTION UNIFORMITY OF OVERHEAD IRRIGATION
- ${\color{blue} \blacklozenge}$  REPORT OF ANY OVERSPRAY OR BROKEN IRRIGATION EQUIPMENT
- ♦ IRRIGATION SCHEDULE INCLUDING:
- 2. REGULAR IRRIGATION SCHEDULE BY MONTH (SEE ORDINANCE FOR DETAILS)
- HYDROZONES IS KEPT WITH THE IRRIGATION CONTROLLER FOR SUBSEQUENT
- ALL LANDSCAPE IRRIGATION AUDITS MUST BE CONDUCTED BY A CITY CERTIFIED
- LANDSCAPE IRRIGATION AUDITOR OR A THIRD PARTY CERTIFIED LANDSCAPE
- ♦ AN IRRIGATION MAINTENANCE SCHEDULE TIMELINE MUST BE ATTACHED TO THE
- C. IRRIGATION AUDIT: AN IN-DEPTH EVALUATION OF THE PERFORMANCE OF AN IRRIGATION SYSTEM CONDUCTED BY A CERTIFIED LANDSCAPE IRRIGATION AUDITOR (SEE ORDINANCE FOR DETAILS). THE AUDIT MUST BE CONDUCTED IN A MANNER CONSISTENT WITH THE IRRIGATION

DESCRIPTION

DRAWN: DM

MLA JOB #: 2025-14 SCALE: 1" = 20'

9/14/25

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ANDSCAPE ARCHITECTURE IS NOT RESPONSIBLE FOR THE

CCURACY OF ANY PLANS OR SURVEYS NOT DIRECTLY REPARED BY THEM. SITE DIMENSIONS, GRADES, WATER PRESSURES AND GENERAL CONDITIONS SHALL BE VERIFIED

DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED

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 $O \Leftrightarrow I$ 

VERIFYING IMPLEMENTATION OF SOIL ANALYSIS REPORT RECOMMENDATIONS TO THE CITY WITH CERTIFICATE OF COMPLETION."

Lot 2 - 1" Dedicated Water Meter 1.00 in METER SIZE 16.7 gpm MAXIMUM SAFE FLOW

82.0 psi STATIC WATER PRESSURE

13.2 gpm MAXIMUM OPERATING FLOW

0

79.7 psi OUTPUT PRESSURE

Total Square Footage of Landscape 5,732.89 sf Adjusted Irrigation Efficiency Factor 0.81

THE FLOW CONTROL AT EACH VALVE TO OBTAIN THE OPTIMUM OPERATING PRESSURE FOR EACH SYSTEM.

FIELD ADJUSTMENTS MAY BE REQUIRED TO PROVIDE OPTIMUM OPERATING EFFICIENCY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE LANDSCAPE ARCHITECT TO REVIEW FIELD ADJUSTMENTS PRIOR TO INSTALLATION. IN THE EVENT THAT NO CONTACT IS MADE WITH THE LANDSCAPE ARCHITECT, THE CONTRACTOR SHALL

BE RESPONSIBLE FOR ANY REVISIONS.

- ABOVE THE IRRIGATION MAIN.
- INSTALL ECO INDICATOR AT EACH CIRCUIT TO MONITOR OPERATION.

M. INSTALL ALL LANDSCAPE DRIPLINE BENEATH MULCH, 3" BELOW GRADE, PARALLEL AT SPACING INDICATED. USE LANDSCAPE STAPLES IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS TO SECURE TUBING TO

N. CONTRACTOR TO PROVIDE DEDICATED, NON-SWITCHED, GFI PROTECTED, 120 VOLT CIRCUIT FOR IRRGATION CONTROLLER. LOCATION OF CONTROLLER SHALL BE SUBJECT TO OWNER APPROVAL.

SOURCE. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. IRRIGATION APPLICATION IS DISCRETIONARY AND MAY INCLUDE HAND WATERING OR INSTALLATION OF A TEMPORARY, ABOVE GRADE CIRCUIT. ANY REPLACEMENT NECESSARY FOR LOSS OR DAMAGE TO TREES DUE TO LACK OF WATER SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AT CONTRACTOR'S EXPENSE.

Q. A SIGNED CERTIFICATE OF COMPLETION IS REQUIRED BEFORE FINAL ACCEPTANCE BY THE CITY OF SANTA ROSA. IF THE INSTALLATION OF THE LANDSCAPE DOES NOT MEET OR SUBSTANTIALLY COMPLY WITH THE APPROVED LANDSCAPE CONSTRUCTION DOCUMENTS, THE CERTIFICATE OF COMPLETION WILL NOT BE SIGNED OR APPROVED BY

GRADE OVERHEAD SPRAY CIRCUIT. ANY REPLACEMENT NECESSARY FOR LOSS OR DAMAGE TO PLANT MATERIAL DUE TO LACK OF WATER SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AT CONTRACTOR'S EXPENSE.

SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS NECESSARY. /. WEED BARRIER FABRIC IS NOT SPECIFIED AND SHALL NOT BE INSTALLED.

M. FURNISH AND INSTALL BACKFLOW BLANKET ON RPBP, SIZE TO FIT.

ALLOWING AT LEAST 1 HOUR BETWEEN CYCLES.

**BUILDING 1** FF 96.00

LOT 2 IRRIGATION PLAN

2. INSTALL DRIPLINE AT GRADE BELOW MULCH IN ALL PLANTING AREAS

PREVENTER, REFER TO CIVIL DRAWINGS

8. CONTROLLER LOCATION: MOUNT AT EYE LEVEL; LOCATION SUBJECT TO OWNER APPROVAL

9. TREE BUBBLERS, TWO PER TREE , TYPICAL. ONE ABOVE GRADE MICRO-SPRAY AND ONE SUB-SUFACE BUBBLER.

2. THE CERTIFICATE OF COMPLETION SHALL BE ACCOMPANIED BY AN IRRIGATION AUDIT, IRRIGATION SCHEDULE AND A MAINTENANCE SCHEDULE, AS DESCRIBED IN THE CITY ORDINANCE.

3. A FINAL CITY INSPECTION SHALL BE PERFORMED. THE INSTALLATION CONTRACTOR SHALL ATTEND COMPLETION FROM THE CITY. TO SCHEDULE AN INSPECTION, CONTACT ENGINEERING DEVELOPMENT SERVICES AT (707) 543-4611.

ABSORPTION AND ROOT GROWTH IN PLANTED AREAS.

MINIMUM RATE OF 8 CUBIC YARDS PER 1000 SQUARE FEET OR PER SPECIFIC AMENDMENT RECOMMENDATIONS FROM A SOILS LABORATORY REPORT.

ANALYSIS REPORT RECOMMENDATIONS TO THE CITY WITH CERTIFICATE OF COMPLETION B. THE CERTIFICATE OF COMPLETION MUST BE ACCOMPANIED BY AN IRRIGATION AUDIT THAT

CONTAINS THE FOLLOWING: ♦ OPERATING PRESSURE OF THE IRRIGATION SYSTEM

◆ PRECIPITATION RATE OF OVERHEAD IRRIGATION

1. PLANT ESTABLISHMENT IRRIGATION SCHEDULE 3. VERIFICATION THAT A DIAGRAM OF THE IRRIGATION PLAN SHOWING

MANAGEMENT PURPOSES

IRRIGATION AUDITOR.

CERTIFICATE OF COMPLETION (SEE ORDINANCE FOR DETAILS)

ASSOCIATION'S LANDSCAPE IRRIGATION AUDITOR CERTIFICATION PROGRAM OR OTHER U.S. EPA "WATERSENSE" LABELED AUDITING PROGRAM.

MITIGATION TREE

QLO MITIGATION TREE #24 SIZE

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DESCRIPTION

REV NO. DATE

PRESSURES AND GENERAL CONDITIONS SHALL BE VERIFIED DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED



SCALE: 1" = 20' DRAWN: DM

General Planting Notes

A. ALL GROUND COVER TO BE SPACED IN A TRIANGULAR PATTERN. CONTRACTOR RESPONSIBLE FOR COMPLETE COVERAGE. J. A MINIMUM 3" LAYER OF MULCH SHALL BE APPLIED ON ALL EXPOSED B. SUPPLY AGRIFORM 21 GRAM TABLETS AS FOLLOWS: 5-15 GAL., 3-5

SOIL SURFACES OF PLANTING AREAS EXCEPT IN BIORETENTION AREAS, TURF AREAS, CREEPING OR ROOTING GROUNDCOVERS, OR

DIRECT SEEDING APPLICATIONS. ON SLOPES GREATER THAN 6:1, INSTALL JUTE NETTING IN CONJUNCTION WITH THE MULCH APPLICATION.

A SOIL REPORT SHALL BE PROVIDED FOR ALL IMPORTED TOP SOILS.

. INCORPORATE COMPOST OR NATURAL FERTILIZER INTO THE SOIL TO A MINIMUM DEPTH OF 8" AT A MINIMUM RATE OF 8 CUBIC YARDS PER 1,000 SQUARE FEET OR PER SPECIFIC AMENDMENT RECOMMENDATIONS FROM A SOILS LABORATORY REPORT.

LIME-TREATED SOIL SHALL BE REMOVED FROM LANDSCAPE AREAS PER SPECIFICATION. THE CONTRACTOR SHALL PROVIDE A DIAGRAM INDICATING THE DEPTHS AND LIMITS OF LIMED SOIL AREAS.

THE FINISH GRADE SHALL BE 3" BELOW THE TOP OF ADJACENT CURBS, WALKS, OR PAVED AREAS. FINISH GRADE SHALL BE SMOOTH

O. SOIL SAMPLE REPORTS AND IRRIGATION WATER SUITABILITY REPORTS SHALL BE REVIEWED BY THE LANDSCAPE ARCHITECT BEFORE

Q. UNLESS OTHERWISE SPECIFIED, WEED BARRIER FABRIC IS NOT

INSTALL NETTING PER MANUFACTURER'S SPECIFICATIONS.

REFER TO SPECIFICATIONS.

AMENDING SOILS PER SPECIFICATIONS.

GAL., 1-1 GAL. C. DIG PLANTING PITS 2 TIMES THE DIAMETER AND EQUAL THE HEIGHT OF ROOTBALL. K. A MINIMUM OF 8" OF NON-MECHANICALLY COMPACTED SOIL SHALL BE AVAILABLE FOR WATER ABSORPTION AND ROOT GROWTH IN PLANTED AREAS.

D. BACKFILL PITS WITH 2/3 EXISTING SOIL, 1/3 ORGANIC AMENDMENT. E. ALL PLANTS TO BE SPOTTED IN THE FIELD BY LANDSCAPE ARCHITECT PRIOR TO PLANTING.

F. WHEN LANDSCAPING IN EXISTING PLANTED AREAS, CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE OR DESTROY ANY EXISTING PLANT MATERIAL OR IRRIGATION. EXISTING PLANT MATERIAL AND IRRIGATION THAT IS DAMAGED SHALL BE REPLACED WITH LIKE, SIZE, QUALITY, ETC. BY THE CONTRACTOR AT HIS EXPENSE.

G. SPECIAL ATTENTION IS TO BE PAID TO THE PLANTING AREAS SURROUNDING THE BUILDINGS. COMPACTED SOIL IS TO BE SUFFICIENTLY EXCAVATED TO ALLOW FOR PROPER ROOT GROWTH AND DRAINAGE OF ALL AREAS. CHECK SOIL FOR PROPER DRAINAGE PRIOR TO PLANTING. AUGER THROUGH COMPACTED SOIL WHERE NECESSARY. DO NOT PLANT IN THE DRAINAGE SWALES.

H. ALL CONSTRUCTION IS TO BE PER ALL APPLICABLE AND PREVAILING CITY OF SANTA ROSA CONSTRUCTION STANDARDS.

I. A SIGNED CERTIFICATE OF COMPLETION IS REQUIRED BEFORE FINAL ACCEPTANCE BY THE CITY OF SANTA ROSA. IF THE INSTALLATION OF THE LANDSCAPE DOES NOT MEET OR SUBSTANTIALLY COMPLY WITH THE APPROVED LANDSCAPE CONSTRUCTION DOCUMENTS, THE CERTIFICATE OF COMPLETION WILL NOT BE SIGNED OR APPROVED BY THE LANDSCAPE ARCHITECT OF RECORD.

ALL TREE PLACEMENT SUBJECT TO CITY OF SANTA ROSA APPROVAL. CONTRACTOR SHALL **VERIFY UTILITY LOCATIONS** PRIOR TO TREE INSTALLATION TREE LOCATIONS CONFLICTING WITH UTILITIES SHALL BE SUBJECT TO REMOVAL.

PLANT LEGEND							
SYMBOL	SIZE	BOTANICAL NAME	COMMON NAME	MATER USE PER MUCOLS IV	QUANTITY		
Trees							
LIM	#24	Lagerstroemia indica x fauriei 'Muskogee'	Muskogee Crape Myrtle	.3	1		
0ES	#24	Olea europaea ' Swan Hill'	Fruitless Olive	.1	1		
QLO .	#24	Quercus lobata	Valley Oak	.3	6		
Shrubs							
PTM	#5	Pittosporum tobira 'Wheeler's Dwarf'	Wheeler's Dwarf Japanese Mock Orange	.3	20		
NDO	#5	Nandina domestica	Heavenly Bamboo	.3	21		
CSU	#5	Cistus 'Sunset'	Sunset Rock Rose	.3	13		
LCH	#5	Loropetalum chinense 'Razzleberri'	Razzleberri Fringe Flower	.3	3		
ADH	#5	Arctostaphylos densiflora 'Howard McMinn'	Vine Hill Manzanita	.3	24		
Perennials							
LIP	#5	Lavandula x intermedia 'Phenomenal'	Phenomenal French Lavender	.3	15		
Vines							
CCA	#5	Clytostoma callistegioides	Lavender Trumpet Vine	.6	11		
FPU	#1	Ficus pumila	Creeping Fig	.6	14		
<u>Groundcove</u>	er						
	#1	Arctostaphylos 'Pacific Mist'		0.3	0	5' OC, Triangular Spacing	
	#1	Erigeron karvinskianus	Santa Barbara Daisy	0.3	20	3' OC, Triangular Spacing	
Ornamental	Grass						
MDU	#5	Muhlenbergia dubia	Pine Muhly	.3	13		
Bioretentio	n Areas						
Other							
		Mulch: Fir Bark 1-1/2" Minus	Medium Walk-On Bark			3" Depth, All Landscape Areas	

U.S.A NOTE
IT IS THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR TO BE FAMILIAR
WITH ALL GRADE DIFFERENCES, LOCATION OF WALLS, STRUCTURES, AND
UTILITIES. THE IRRIGATION CONTRACTOR SHALL EXERCISE EXTREME CARE, AND
BE RESPONSIBLE FOR ANY DAMAGE IN EXCAVATING AND WORKING NEAR
UTILITIES. THE LANDSCAPE CONTRACTOR SHALL COORDINATE ALL WORK WITH
THE OTHER SUB-CONTRACTORS FOR THE LOCATION OF UTILITIES AND THE
INSTALLATION OF PIPE SLEEVES THROUGH WALLS, UNDER ROADWAYS, AND
NEAR STRUCTURES. PRIOR TO CONSTRUCTION, CONTACT ALL APPLICABLE
AGENCIES AND U.S.A. AT 1-800-642-2444 OR 1-800-227-2600 TO FIELD
LOCATE ALL EXISTING UTILITIES.

TREE REMOVAL MITIGATION

Quercus lobata

Ulmus parvifolia

Quercus lobata

Populus alba

Fraxinus latifolia

Populus alba

Populus alba

Mavtenus boaria

D.B.H.(INCHES)

0 - 5

6 - 11 12 - 17

18 - 23

24 - 29 30 - 35

36 - 41

42 - 47

48 - 53 54 - 59

Pinus radiata

REMOVAL STATUS

To remain

Remove

Remove

Remove

Remove

10

ARBOREAL

VALUE (# OF #15 SIZE

TREES)

0

10

4

0

4

0

PROTECTED (SPECIES OR TRUNK D.B.H. IN REPLACEMENT

HERITAGE

MITIGATE

MITIGATE

**EXEMPT** 

EXEMPT

DEAD

MITIGATE

EXEMPT

FOR EACH SIX INCHES OR FRACTION THEREOF OF THE DIAMETER OF A TREE WHICH WAS APPROVED FOR REMOVAL, TWO TREES OF THE SAME GENUS AND SPECIES AS THE REMOVED TREE (OR ANOTHER SPECIES, IF APPROVED BY THE DIRECTOR), EACH OF A MINIMUM 15-GALLON CONTAINER SIZE, SHALL BE

PLANTED ON THE PROJECT SITE, PROVIDED HOWEVER, THAT AN INCREASED NUMBER OF SMALLER SIZE TREES OF THE SAME GENUS AND SPECIES MAY BE PLANTED IF APPROVED BY THE DIRECTOR, OR A FEWER NUMBER OF SUCH TREES OF A LARGER SIZE IF APPROVED BY THE DIRECTOR. THE VALUE CALCULATION IS BASED ON TREE DIAMETER AT BREAST HEIGHT WITH THE FOLLOWING ARBOREAL REPLACEMENT VALUES:

MULTI-TRUNK TREES DBH SIZE IS CALCULATED BY ADDING THE TOTAL DBH OF ALL TRUNKS FOR A SINGULAR TRUNK SIZE CALCULATION

ALL TREES PROPOSED FOR REMOVAL, SHALL BE MITIGATED IN ACCORDANCE WITH THE CITY OF SANTA ROSA TREE ORDINANCE, CHAPTER 17.24

Total #15 Size Replacement Trees Required

Proposed Total #24 Size Replacement Oak

Trees to be Planted in Lieu of #15 SizeTrees

Proposed Total #36 Size Replacement Oak

Proposed Total #24 Size Replacement

Non-Native Trees to be Planted in Lieu of

#15 SIZE REPLACEMENT TREES

Trees to be Planted in Lieu of #15 SizeTrees

MITIGATE

**INCHES** 

17.5

,10.5,13,12.5,

4, 3.5 ,5, 5, 6, 4, 5

9.5

35

7.5

11"

#15 SizeTrees

**₩ □ Φ** FF 95.6ປີ

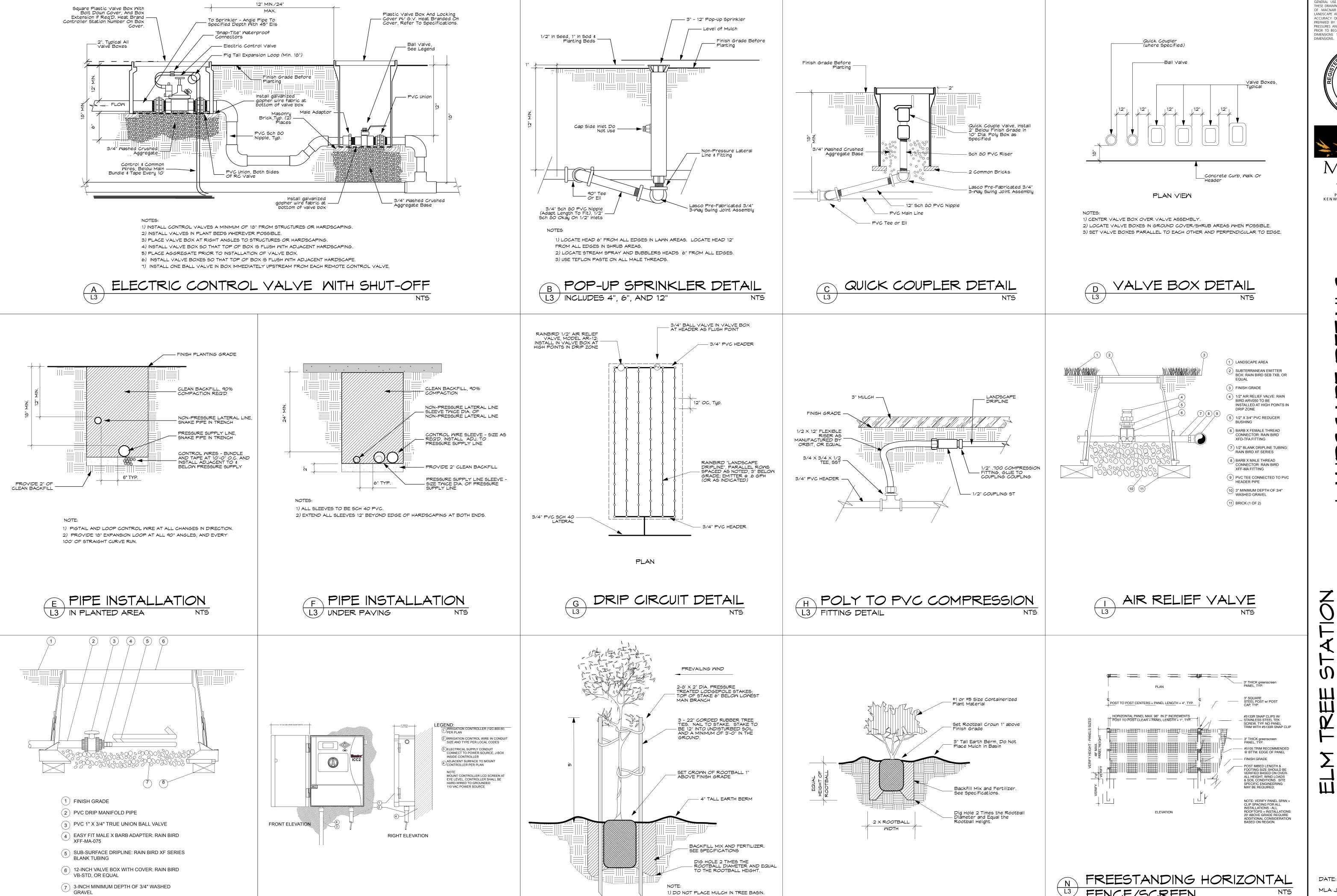
**BUILDING 1** FF 96.00

### PLANTING AND LAYOUT KEYNOTES

- 1. FUTURE PEDESTRIAN OVERPASS
- 2. 4' TALL WIRE MESH FENCE @ PROPERTY LINE ON NORTH, EAST

LOT 2 PLANTING PLAN

- 3. BEGIN PERIMETER FENCE LOT 2 AT LOT LINE
- 4. MULCH ONLY BENEATH EXISTING OAKS TO REMAIN, HOLD
- BACK FROM TRUNK 24" 5. 8' MIDE SIDEWALK/BIKE PATH
- 6. PICNIC SHELTER
- 7. BIKE RACK 8. LOCATION FOR PROPOSED CITY REQUIRED
- ARTMORK/SCULPTURE
- 9. 3" DEEP MULCH, ALL LANDSCAPE AREAS 10. 4' TALL MIRE MESH FENCE @ BACK OF BIKE PATH; REFER TO "GREEN SCREEN "DETAIL N/L-3, TYPICAL ALL FENCES.
  INSTALL ALONG NORTH, EAST AND SOUTH PROPERTY LINES
- 11. CONTINUE FENCE TO PROPERTY CORNER; TEMPORARY CONDITION TO BE REMOVED WHEN PATH IS EXTENDED TO ADJACENT PROPERTY
- 12. MULCH ONLY AT FUTURE PATH CONNECTION



2) DETAIL NOT TO SCALE.

TREE PLANTING DETAIL

L3/ WITH STAKES

SHRUB PLANTING DETAIL

8 BRICK (1 OF 2)

L3 MITH BALL VALVE

DRIPLINE FLUSH POINT

K IRRIGATION CONTROLLER

L3 HUNTER 12C-F-800-M

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FENCE/SCREEN

REV NO. DATE

DESCRIPTION

DATE: 9/14/25 MLA JOB #: 2025-14 SCALE: N/A DRAWN: DM

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SHEET L3 OF 3