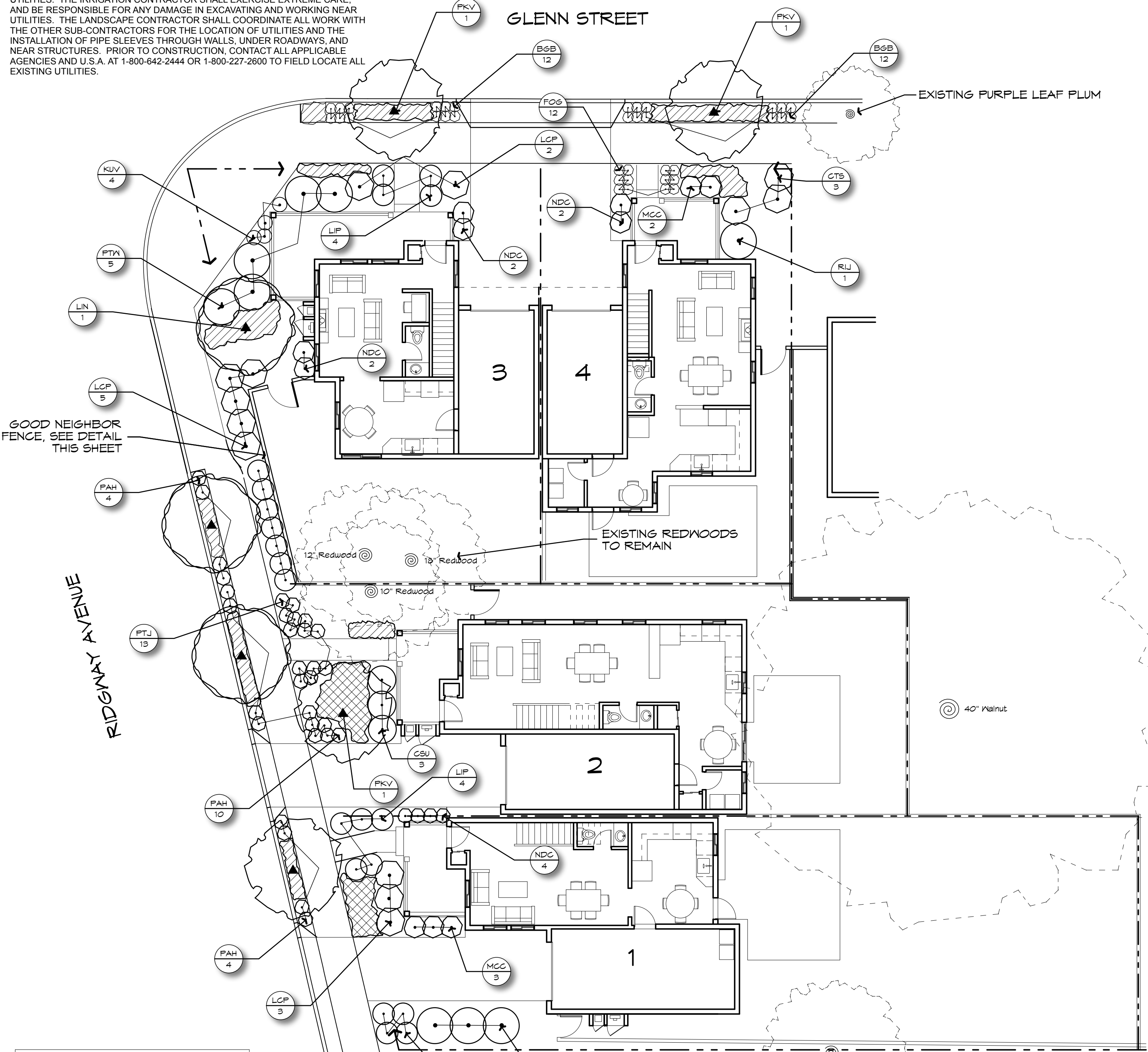


**U.S.A NOTE**

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.



**CITY REQUIRED NOTES (W.E.L.O. COMPLIANCE)**

- UPON COMPLETION OF INSTALLATION, CONTRACTOR SHALL SUBMIT TO THE ENGINEERING DEVELOPMENT SERVICES INSPECTOR A COMPLETED AND SIGNED "CERTIFICATE OF COMPLETION" STATING THE PROJECT HAS BEEN INSTALLED AS DESIGNED.
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- 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.
- PURSUANT TO CITY OF SANTA ROSA POLICY, ALL SUBSTITUTIONS SHALL BE APPROVED BY THE CITY INSPECTOR.

**CITY REQUIRED NOTES**

- A MINIMUM OF 8" OF NON-MECHANICALLY COMPACTED SOIL SHALL BE AVAILABLE FOR WATER ABSORPTION AND ROOT GROWTH IN PLANTED AREAS.
- INCORPORATE COMPOST OR NATURAL FERTILIZER INTO THE SOIL TO A MINIMUM DEPTH OF 1" AT A MINIMUM RATE OF 3 CUBIC YARDS PER 1000 SQUARE FEET OR PER SPECIFIC AMENDMENT RECOMMENDATIONS FROM A SOILS LABORATORY REPORT.
- A MINIMUM 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 APPLICATIONS.

**ATTACHMENT 8**

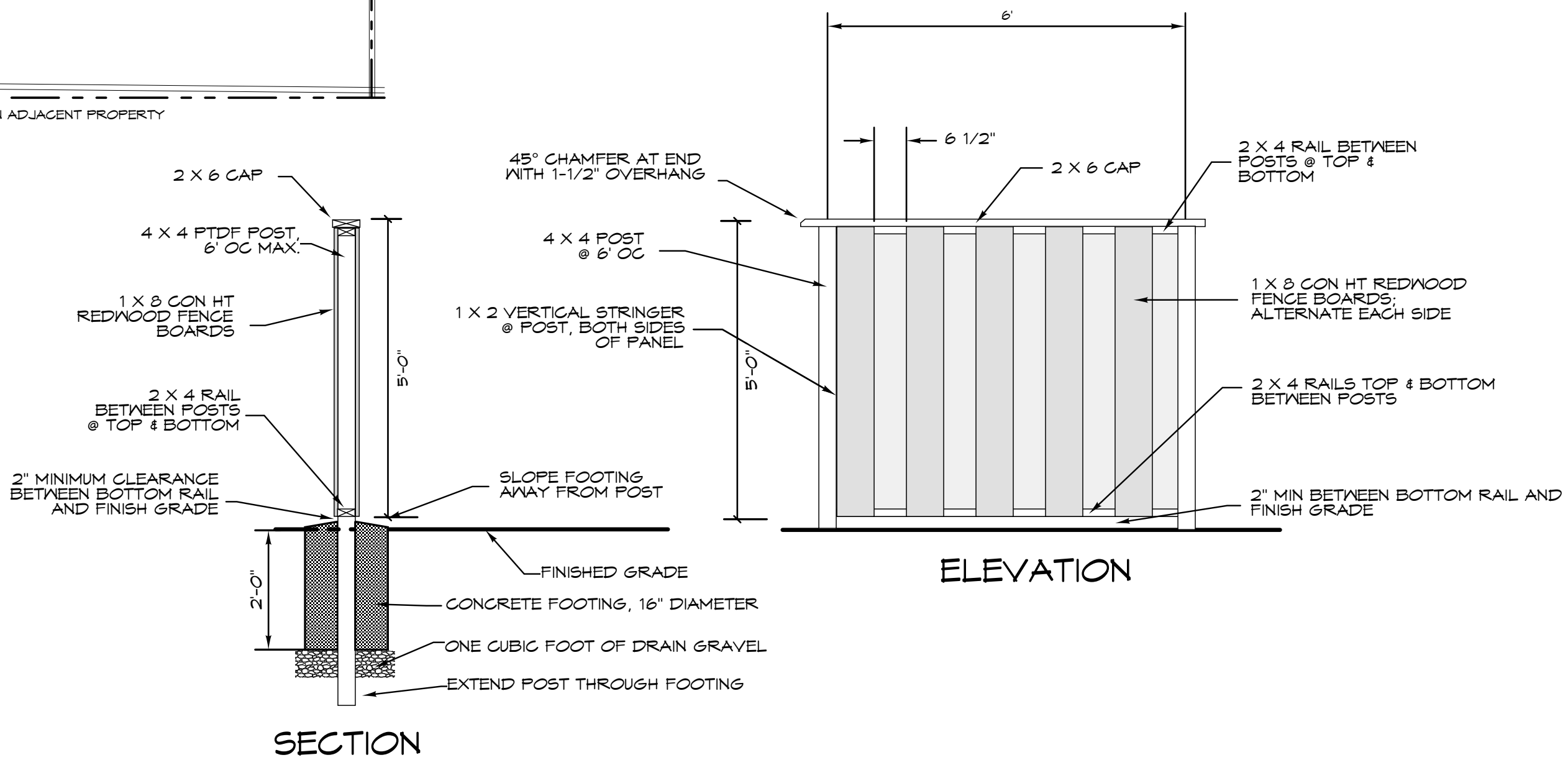
**PLANT LEGEND**

SYMBOL	SIZE	BOTANICAL NAME	COMMON NAME	REMARKS	WATER USE PER WUCOLS IV
<b>TREES</b>					
APA	24	ACER PALMATUM	JAPANESE MAPLE	MULTI-TRUNK	M
LN	24	LAGERSTROEMIA FAUREI X 'TUSCARORA'	TUSCARORA CRAPE MYRTLE		L
PKV	24	PRUNUS 'KRAUTER VESUVIUS'	VESUVIUS FLOWERING PLUM		L
<b>SHRUBS</b>					
CTS	5	CHAENOMELES 'TEXAS SCARLET'	JAPANESE QUINCE		L
CSU	5	CISTUS 'SUNSET'			L
KUV	5	KNIPHOFIA UVARIA	RED HOT POKER		L
LCP	1	LOROPETALUM CHINENSE 'PEACK'	DWARF CHINESE FRINGE FLOWER	4' O.C. TRI. SPACING; DWARF SPECIES AKA PURPLE PIXIE	L
MCC	5	MYRTUS COMMUNIS COMPACTA	DWARF MYRTLE		L
NDC	5	NANDINA DOMESTICA 'COMPACTA'	COMPACT HEAVENLY BAMBOO		L
PTJ	5	PHORMIUM TENAX 'JACK SPRATT'	NEW ZEALAND FLAX		L
PTW	5	PITTOSPORUM TOBIRA 'WHEELER'S DWARF'	DWARF MOCK ORANGE	3' O.C. TRI. SPACING	L
RJ	5	RHAPHIOLEPIS INDICA 'JACK EVANS'	INDIA HAWTHORN		L
<b>GROUNDCOVER</b>					
EKA	1	COTONEASTER DAMMERI 'CORAL BEAUTY'	COTONEASTER	5' O.C. TRI. SPACING	L
EKA	1	ERIGERON KARVINSKIANUS	SANTA BARBARA DAISY	36" O.C. TRI. SPACING	L
<b>GRASSES</b>					
BGB	1	BOUTELOUA GRACILLIS 'BLONDE AMBITION'	BLONDE AMBITION BLUE GAMA		L
PAH	1	PENNISETUM ALOPECUROIDES 'HAMEIN'	DWARF FOUNTAIN GRASS	3' O.C. Triangular Spacing	L
<b>OTHER</b>					
SEE DETAIL		MULCH, SEE SPECS		3" DEPTH; ALL LANDSCAPE AREAS	
SEE DETAIL		LINEAR ROOT BARRIER	ROOT SOLUTIONS, OR EQUAL	24" DEPTH; INSTALL WHERE TREE IS CLOSER THAN 5' TO EDGE	

LANDSCAPE DESIGN DESIGN IS LIMITED TO FRONT YARDS ONLY.

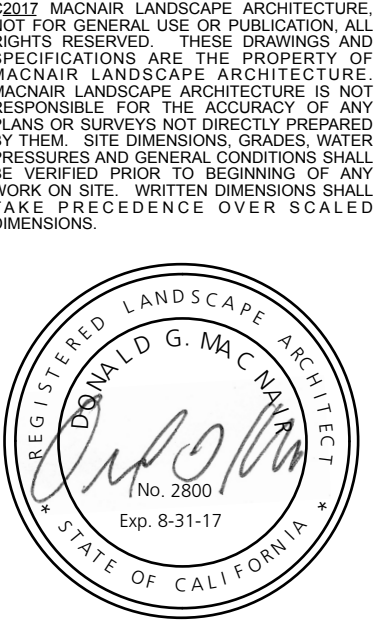
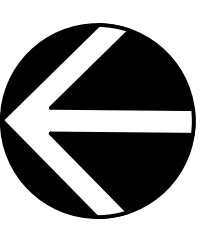
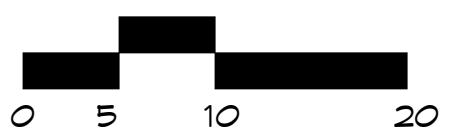
**PLANTING NOTES**

- ALL GROUND COVER TO BE SPACED IN A TRIANGULAR PATTERN. CONTRACTOR RESPONSIBLE FOR COMPLETE COVERAGE.
- SUPPLY AGRIFORM 21 GRAM TABLETS AS FOLLOWS: 5-15 GAL., 3-5 GAL., 1-1 GAL.
- DIG PLANTING PITS 2 TIMES THE DIAMETER AND EQUAL THE HEIGHT OF ROOTBALL.
- BACKFILL PITS WITH 2/3 EXISTING SOIL, 1/3 ORGANIC AMENDMENT.
- ALL PLANTS TO BE SPOTTED IN THE FIELD BY LANDSCAPE ARCHITECT PRIOR TO PLANTING.
- 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.
- 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.
- ALL CONSTRUCTION IS TO BE PER ALL APPLICABLE AND PREVAILING CITY OF SANTA ROSA CONSTRUCTION STANDARDS.



**TYPICAL 5' HIGH WOOD FENCE DETAIL**  
ALL WOOD IN CONTACT WITH SOIL TO BE PRESSURE TREATED (BROWN).

**PLANTING PLAN**



**PLANTING PLAN**  
**SEQUOIA GREEN**  
**1285 GLENN STREET**  
**SANTA ROSA, CALIFORNIA**

DATE: 3/23/2017  
 JOB: 2017-08  
 SCALE: 1" = 20'  
 DRAWN: DM

THIS DRAWING COMPLIES WITH THE CRITERIA OF THE ORDINANCE AND APPLIED THEM ACCORDINGLY FOR THE EFFICIENT USE OF WATER IN THE IRRIGATION DESIGN PLAN AND THE OVERALL LANDSCAPE DESIGN.

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**SEQUOIA GREEN**  
**1285 GLENN STREET**  
 SANTA ROSA, CALIFORNIA

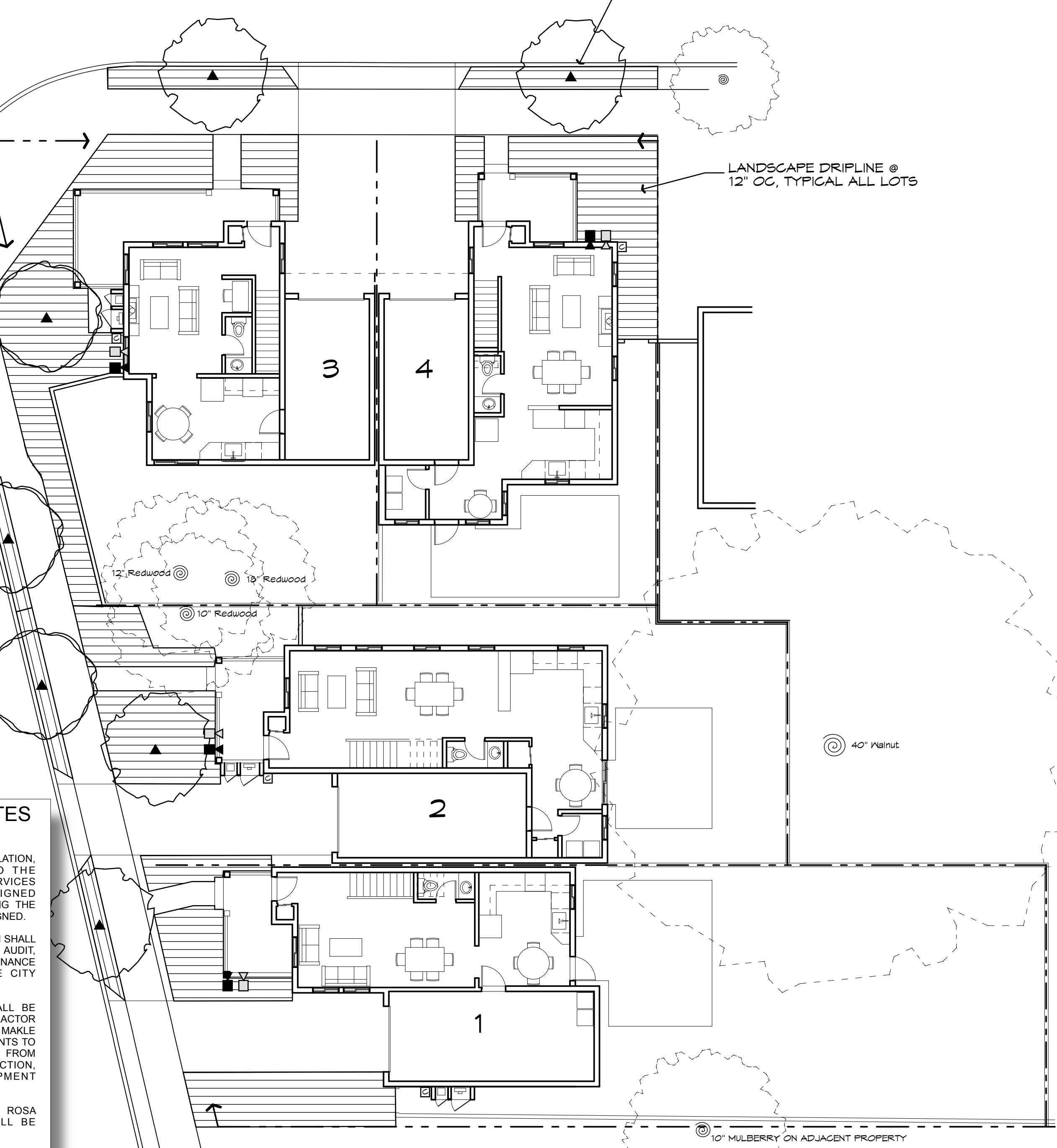
DATE: 3/23/17  
 JOB: 2017-10  
 SCALE: 1" = 10'  
 DRAWN: DM  
**L-1**  
 SHEET 1 OF 2

GLENN STREET

TREE BUBBLERS, 2 PER TREE ON DEDICATED CIRCUIT, TYPICAL ALL LOTS

LANDSCAPE DRIPLINE @ 12" OC, TYPICAL ALL LOTS

RIDGEMAN AVENUE



**CITY REQUIRED NOTES (W.E.L.O. COMPLIANCE)**

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- PURSUANT TO CITY OF SANTA ROSA POLICY, ALL SUBSTITUTIONS SHALL BE APPROVED BY THE CITY INSPECTOR.

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- A MINIMUM 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 APPLICATIONS.

**NOTES FOR TYPICAL IRRIGATION SYSTEM: IRRIGATION LATERAL PIPE SIZING TO BE DETERMINED BASED ON THE FOLLOWING INFORMATION:**

- ALL LATERALS TO BE SCH 40 PVC.
- FLOW SHALL NOT EXCEED 5' PER SECOND.
- MAXIMUM FRICTION LOSS THROUGH ANY SECTION OF PIPE SHALL NOT EXCEED 3.00 PSI PER 100' OF PIPE.
- NO LATERAL SHALL BE SMALLER THAN 3/4" DIAMETER.
- MINIMUM OPERATING PRESSURE SHALL BE 25 PSI AT THE SPRINKLER HEAD AND 50 PSI FOR ROTORS.
- MAX FLOW THROUGH LATERALS, AS FOLLOWS:  
 3/4" SCH 40 PVC: 5.5 GPM  
 1" SCH 40 PVC: 10.5 GPM  
 1-1/4" SCH 40 PVC: 17.5 GPM  
 1-1/2" SCH 40 PVC: 27 GPM  
 2" SCH 40 PVC: 45 GPM
- ALL MAINLINE TO BE 1-1/2" IN SIZE UNLESS OTHERWISE INDICATED.
- INSTALL SUPPLEMENTAL CHECK VALVES IN LATERALS AT 15' VERTICAL ELEVATION CHANGE, AS REQUIRED.

**IRRIGATION NOTES**

- ALL SPRINKLER HEADS SHALL BE SET PERPENDICULAR TO FINISH GRADE OF THE AREA TO BE IRRIGATED UNLESS OTHERWISE NOTED ON THE PLANS.
- THE SPRINKLER 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 PRIOR TO 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 PRIOR TO THE START OF CONSTRUCTION, THE IRRIGATION CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS NECESSARY.
- 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-PC-4.
- ALL CONSTRUCTION IS TO BE PER THE LATEST EDITION OF THE UNIFORM BUILDING CODE.
- THIS DESIGN IS DIAGNOSTIC. 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.
- THE IRRIGATION CONTRACTOR SHALL FLUSH AND ADJUST ALL SPRINKLER HEADS FOR OPTIMUM PERFORMANCE AND TO PREVENT OVER SPRAY ONTO WALKS, ROADWAYS, AND/OR BUILDINGS. THIS SHALL INCLUDE SELECTING THE BEST DEGREE OF ARC TO FIT THE EXISTING SITE CONDITIONS AND THROTTLING THE FLOW CONTROL AT EACH VALVE TO OBTAIN THE OPTIMUM OPERATING PRESSURE FOR EACH SYSTEM.
- IT IS THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO FAMILIARIZE HIMSELF 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 ALL EXISTING UTILITIES.
- 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.
- SLEEVE ALL IRRIGATION PIPE AND CONTROL WIRES UNDER STREETS AND CONCRETE WALKWAYS WITH THE PROPER SIZE CLASS 200 PVC PIPE TO DEPTH AS SPECIFIED.
- FOR ADDITIONAL INFORMATION, SEE PROJECT DETAILS AND SPECIFICATIONS.
- ALL WORK SHALL CONFORM TO ALL APPLICABLE CITY OF SANTA ROSA CONSTRUCTION STANDARDS.
- NO GALVANIZED IRON PIPE OR FITTINGS SHALL BE ALLOWED.
- A BALL VALVE IN A SEPARATE ROUND VALVE BOX IS TO BE INSTALLED IMMEDIATELY UPSTREAM FROM EACH REMOTE CONTROL VALVE. VALVE SHALL BE SIZED TO MAINLINE SUPPLY AT THE RC VALVE. SEE DETAIL.
- INSTALL 3" WIDE DETECTABLE TAPE (95' DTP, AS MANUFACTURED BY T. CHRISTY). TAPE SHALL BE INSTALLED 6" ABOVE THE IRRIGATION MAIN.
- INSTALL ALL LANDSCAPE DRIPLINE 3" BENEATH GRADE AND ALL LINES PARALLEL AT THE SPACING INDICATED. USE LANDSCAPE STAPLES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS TO SECURE TO TUBING TO GROUND.

**Lot 1 PRELIMINARY MAWA AND ETWU CALCULATIONS**

1.) Maximum Applied Water Allowance (MAWA)

A.) Net Evapotranspiration Calculation

Annual Eto	44.45			
Annual Rainfall	25.63	X	0.25	= 6.4075 = Effective Rainfall
Net Evapotranspiration Calculation		=	44.45	- 6.4075 = 38.04

B.) Adjusted Landscape Area Calculation

Landscape Area	389	X	Adjustment Factor 0.55	= 214
Special Landscape Area		X	Adjustment Factor 0.55	=
Sum of Adjusted Landscape Area		=		214

**MAWA = 38.04 X 0.62 X 214 = 5,052 Gallons**

2.) Estimated Total Water Use (ETWU)

A.) Net Evapotranspiration Calculation = Annual Eto - Effective Rainfall = 38.04

Very Low Water Plant Use SF	0	X	0.10	=	-
Low Water Plant Use SF	389	X	0.30	=	117
Moderate Water Plant Use SF	0	X	0.60	=	-
High Water Use		X	0.80	=	-
Sum of Adjusted Landscape Area		X		=	117

**DRIP ETWU = 38.04 X 0.62 X 117 / 0.81 = 3,402 Gallons**

**Lot 3 PRELIMINARY MAWA AND ETWU CALCULATIONS**

1.) Maximum Applied Water Allowance (MAWA)

A.) Net Evapotranspiration Calculation

Annual Eto	44.45			
Annual Rainfall	25.63	X	0.25	= 6.4075 = Effective Rainfall
Net Evapotranspiration Calculation		=	44.45	- 6.4075 = 38.04

B.) Adjusted Landscape Area Calculation

Landscape Area	758	X	Adjustment Factor 0.55	= 417
Special Landscape Area		X	Adjustment Factor 0.55	=
Sum of Adjusted Landscape Area		=		417

**MAWA = 38.04 X 0.62 X 417 = 9,839 Gallons**

2.) Estimated Total Water Use (ETWU)

A.) Net Evapotranspiration Calculation = Annual Eto - Effective Rainfall = 38.04

Very Low Water Plant Use SF	0	X	0.10	=	-
Low Water Plant Use SF	758	X	0.30	=	228
Moderate Water Plant Use SF	0	X	0.60	=	-
High Water Use		X	0.80	=	-
Sum of Adjusted Landscape Area		X		=	228

**DRIP ETWU = 38.04 X 0.62 X 228 / 0.81 = 6,625 Gallons**

**Lot 2 PRELIMINARY MAWA AND ETWU CALCULATIONS**

1.) Maximum Applied Water Allowance (MAWA)

A.) Net Evapotranspiration Calculation

Annual Eto	44.45			
Annual Rainfall	25.63	X	0.25	= 6.4075 = Effective Rainfall
Net Evapotranspiration Calculation		=	44.45	- 6.4075 = 38.04

B.) Adjusted Landscape Area Calculation

Landscape Area	758	X	Adjustment Factor 0.55	= 417
Special Landscape Area		X	Adjustment Factor 0.55	=
Sum of Adjusted Landscape Area		=		417

**MAWA = 38.04 X 0.62 X 417 = 9,839 Gallons**

2.) Estimated Total Water Use (ETWU)

A.) Net Evapotranspiration Calculation = Annual Eto - Effective Rainfall = 38.04

Very Low Water Plant Use SF	0	X	0.10	=	-
Low Water Plant Use SF	758	X	0.30	=	228
Moderate Water Plant Use SF	0	X	0.60	=	-
High Water Use		X	0.80	=	-
Sum of Adjusted Landscape Area		X		=	228

**DRIP ETWU = 38.04 X 0.62 X 228 / 0.81 = 6,625 Gallons**

**Lot 4 PRELIMINARY MAWA AND ETWU CALCULATIONS**

1.) Maximum Applied Water Allowance (MAWA)

A.) Net Evapotranspiration Calculation

Annual Eto	44.45			
Annual Rainfall	25.63	X	0.25	= 6.4075 = Effective Rainfall
Net Evapotranspiration Calculation		=	44.45	- 6.4075 = 38.04

B.) Adjusted Landscape Area Calculation

Landscape Area	369	X	Adjustment Factor 0.55	= 203
Special Landscape Area		X	Adjustment Factor 0.55	=
Sum of Adjusted Landscape Area		=		203

**MAWA = 38.04 X 0.62 X 203 = 4,791 Gallons**

2.) Estimated Total Water Use (ETWU)

A.) Net Evapotranspiration Calculation = Annual Eto - Effective Rainfall = 38.04

Very Low Water Plant Use SF	0	X	0.10	=	-
Low Water Plant Use SF	369	X	0.30	=	111
Moderate Water Plant Use SF	0	X	0.60	=	-
High Water Use		X	0.80	=	-
Sum of Adjusted Landscape Area		X		=	111

**DRIP ETWU = 38.04 X 0.62 X 111 / 0.81 = 3,226 Gallons**

**TYPICAL IRRIGATION LEGEND**

SYMBOL	EQUIPMENT	MANUFACTURER	MODEL	REMARKS
	STREAM BUBBLER: 6" POP-UP	HUNTER	PROS-06-PRS30-MSBN-25Q	TREE WELL BUBBLER, AIM AT ROOT BALL, 1 PER TREE
	ROOT WATERING SYSTEM	HUNTER	RZWS-10-25-CV	1 PER TREE, INSTALL ADJACENT TO & UPHILL FROM TREE
	REMOTE CONTROL VALVE: ANTI-SYPHON VALVE	HUNTER	ACZ-101-25	DRIP CIRCUIT VALVE
	REMOTE CONTROL VALVE: ANTI-SYPHON VALVE	HUNTER	PGV-101-ASV	TREE BUBBLER CIRCUIT VALVE
	4 STATION CONTROLLER	HUNTER	PC-4	WALL MOUNT @ 48" HIGH @ LOCATION SHOWN
	3 STATION PLUG-IN EXPANSION MODULE	HUNTER	PCM-300	INSTALL IN CONTROLLER FOR 7 STATION CONTROLLER
	SOLAR SYNC SENSOR	HUNTER	WSS-SENS	ROOF MOUNT ABOVE CONTROLLER LOCATION PER MANUF. SPEC
	BALL VALVE IN VALVE BOX	KBI	BTU-XXXX-V	MATCH MAINLINE SIZE
	PIPE AND WIRE CHASE	PVC	CL 200	SEE PLAN FOR SIZE
	LINE FLUSHING VALVE	NETAFIM	TL050MFV	INST. IN VALVE BOX @ END OF CIRCUIT
	AIR/VACUUM RELIEF VALVE	NETAFIM	TLAVRV	INST. IN VALVE BOX @ HIGH POINT
	LANDSCAPE DRIPLINE	RAINBIRD	XFS-06-12-XX	INSTALL 3" BELOW GRADE @ SPACING SHOWN
	POLY TO PVC CONNECTOR W/ COMPRESSION FITTING		SEE DETAIL H/L3	SEE DETAIL H/L3
	MAINLINE	PVC	SCH 40	SEE PLAN FOR SIZE
	LATERAL	PVC	SCH 40	SEE PLAN FOR SIZE
	IRRIGATION SUBMETER	NETAFIM	36M 201 TP 1	INSTALL DOWNSTREAM FROM WATER METER
	1" NORMALLY CLOSED MASTER VALVE	HUNTER	ICV101-G	INSTALL DOWNSTREAM FROM BACKFLOW PREVENTER
	VALVE STATION AND SEQUENCE			
	ELECTRIC CONTROL VALVE SIZE			
	FLOW RATE IN GALLONS PER MINUTE			
	EXTRA WIRES IN VALVE BOX - FUTURE USE			SEE PLAN FOR NUMBER

**IRRIGATION DESIGN INTENT**

IRRIGATION DESIGN IS LIMITED TO FRONT YARDS ONLY. ALL LANDSCAPE AREAS SHALL BE IRRIGATED BY AN AUTOMATIC IRRIGATION SYSTEM WITH WEATHER SENSOR OVERRIDE. SENSOR SHALL BE CAPABLE OF CALCULATING EVAPOTRANSPIRATION AND SHALL ADJUST FOR LOCAL WEATHER. THE ENTIRE IRRIGATION SYSTEM SHALL BE ON AN AUTOMATICALLY CONTROLLED SYSTEM WITH SEPARATE PROGRAMS CAPABLE OF IRRIGATING EACH HYDROZONE INDEPENDENTLY.

THE PROPOSED TREES SHALL BE IRRIGATED VIA SEPARATE, DEDICATED BUBBLER CIRCUIT. ALL OTHER LANDSCAPE AREAS SHALL BE IRRIGATED VIA AN IN-LINE DRIP EMITTER IRRIGATION SYSTEM. THE INTENT OF THE LANDSCAPE AND WATER DELIVERY SYSTEMS IS TO MEET ALL ASPECTS OF THE CITY OF SANTA ROSA WATER EFFICIENCY LANDSCAPE ORDINANCE (MELD).

**CONCEPT IRRIGATION PLAN**

