

Oct 31, 2024 -- 12:37pm
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INTEGRA
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SITE AND PLANTING PLAN
CONCEPTUAL LANDSCAPE PLAN
FINANCIAL INSTITUTION
414 EAST PERKINS STREET, UKIAH, CALIFORNIA 95482



GINKGO BILOBA (MALE)
MAIDENHAIR TREE



ULMUS 'DYNASTY'
CHINESE ELM



QUERCUS KELLOGGII
BLACK OAK

PLANTING LEGEND

ABBREV.	BOTANICAL NAME	COMMON NAME	WUCOLS	SIZE	QTY	REMARKS/SPACING
TREES						
GIN BIL	GINKGO BILOBA 'AUTUMN GOLD'	MAIDENHAIR TREE	M	15 GAL.	6	SINGLE TRUNK
ULM DYN	ULMUS 'DYNASTY'	CHINESE ELM	M	15 GAL.	1	SINGLE TRUNK
QUE KEL	QUERCUS KELLOGGII	BLACK OAK	L	15 GAL.	3	SINGLE TRUNK

ABBREV.	BOTANICAL NAME	COMMON NAME	WUCOLS	SIZE	QTY	REMARKS/SPACING
SHRUBS						
ACH MLI	ACHILLEA MILLEFOLIUM	YARROW	L	5 GAL.	-	18" O.C. SPACING
ARC BIG	ARCTOSTAPHYLOS 'SENTINEL'	MANZANITA	L	5 GAL.	-	4' O.C. SPACING
CIS SUN	CISTUS X P. 'SUNSET'	SUNSET ROCKROSE	L	5 GAL.	-	4' O.C. SPACING
LAV OTT	LAVANDULA S. 'OTTO QUAST'	SPANISH LAVENDER	L	5 GAL.	-	3' O.C. SPACING
MYR COM	MYRTUS C. 'COMPACTA'	DWARF MYRTLE	L	5 GAL.	-	4' O.C. SPACING
SAL GRE	SALVIA GREGGII 'MESA AZURE'	AUTUMN SAGE	L	5 GAL.	-	2' O.C. SPACING
TEU FRU	TEUCRIUM FRUTICANS	BUSH GERMANDER	L	5 GAL.	-	3' O.C. SPACING

GRASSES	BOUTELLOUA GRACILIS	BLUE GRAMA	L	1 GAL.	-	2' O.C. SPACING
BOU GRA	CAREX TUMULICOLA	FOOTHILL SEDGE	L	1 GAL.	-	2' O.C. SPACING
CAR TUM	DESCHAMPSIA CESPITOSA	TUFTED HAIRGRASS	L	1 GAL.	-	2' O.C. SPACING
DES CAE	JUNCUS PATENS	CAL. GRAY RUSH	L	1 GAL.	-	2' O.C. SPACING
JUN PAT	LOMANDRA L. 'BREEZE'	DWARF MAT GRASS	L	1 GAL.	-	3' O.C. SPACING
LOM BZE	MUHLENBERGIA RIGENS	DEER GRASS	L	1 GAL.	-	4' O.C. SPACING
MUH RIG						

GROUND COVER	ARCTOSTAPHYLOS	MANZANITA	L	1 GAL.	-	4' O.C. SPACING
ARC EME	'EMERALD CARPET'					
CEA CEN	CEANOTHUS 'CENTENNIAL'	CEANOTHUS	L	1 GAL.	-	5' O.C. SPACING
EPI CAN	EPILOBIUM CANUM	CAL. FUSCHIA	L	1 GAL.	-	3' O.C. SPACING
FES ELI	FESTUCA 'ELIJAH BLUE'	BLUE FESCUE	L	1 GAL.	-	12' O.C. SPACING
MYO PIN	MYOPORUM P. 'PINK'	PINK MYOPORUM	L	1 GAL.	-	6' O.C. SPACING

MWEO STATEMENT

"I HAVE COMPLIED WITH THE CRITERIA OF THE ORDINANCE AND APPLIED THEM FOR THE EFFICIENT USE OF WATER IN THE PLANTING PLAN"

Michael A. Cook

MICHAEL A. COOK
REGISTERED LANDSCAPE ARCHITECT #5123

10/04/2024
DATE

SHADE CALCULATIONS

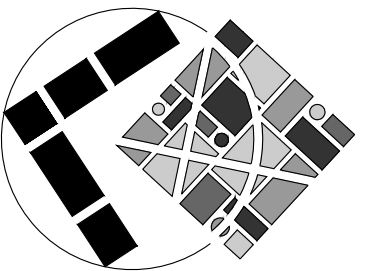
PARKING LOT AREA: 22,251 SQ. FEET
TREE CANOPY SHADE AREA: 13,128 SQ. FEET
PERCENTAGE COVERAGE: 58.9 %

PLANTING NOTES

- CONTRACTOR SHALL BID AND INSTALL PLANTING MATERIALS PER THESE PLANS AND SPECIFICATIONS, UNLESS GIVEN FURTHER WRITTEN INSTRUCTIONS, OR WRITTEN INSTRUCTION BY LANDSCAPE ARCHITECT. WORK INCLUDES, BUT IS NOT LIMITED TO ALL LABOR, GENERAL LIABILITY INSURANCE, WORKMAN'S COMPENSATION, EQUIPMENT, AND MATERIALS NECESSARY TO FURNISH, INSTALL AND GUARANTEE PLANTING, AS SHOWN ON THE DRAWINGS AND SPECIFIED HEREIN.
- COORDINATE FIELD OBSERVATIONS WITH LANDSCAPE ARCHITECT (MINIMUM 2 VISITS). CALL TO PROVIDE 48 HOUR NOTICE.
A. REVIEW FINISHED GRADE W/ LANDSCAPE ARCHITECT PRIOR TO PLANT PLACEMENT. ALL PLANTS SHALL BE INSPECTED BY ARBORIST/ LANDSCAPE ARCHITECT FOR HEALTH, PESTS AND SIZE PRIOR TO LAYOUT.
B. LAYOUT PLANTINGS FOR APPROVAL IN FULL QUANTITIES, PRIOR TO DIGGING HOLES. ADJUST LAYOUT AS DIRECTED BY LANDSCAPE ARCHITECT.
- CONTRACTOR SHALL PROVIDE SUBMITTALS/SAMPLES TO LANDSCAPE ARCHITECT OF ALL SPECIMEN TREES (PHOTOGRAPHS WITH HUMAN SCALE), SOIL, MULCH, STAKES, TIES, AGRIFORM TABLETS, GRASS PAVE MATERIALS, STEEL EDGING, AND OTHER MATERIALS.
- ALL WORK SHALL CONFORM TO THE LATEST APPLICABLE CITY OF UKIAH WATER AGENCY ORDINANCES RELATING TO PLANTING AND IRRIGATION. ALL PLANT MATERIALS TO BE INSTALLED PER CITY OF UKIAH STANDARDS AND PLANTING DETAILS. THE PLANT MATERIALS SHALL CONFORM TO THE PLANT LEGEND SPECIFICATION FOR SIZE & LATEST EDITION OF THE AMERICAN NURSERYMAN STANDARDS.
- PRIOR TO REMOVING ANY PLANTS, CONTRACTOR SHALL OBTAIN APPROVAL OF OWNER AND LANDSCAPE ARCHITECT TO DETERMINE SPECIMENS TO REMAIN OR BE TRANSLANTED. ALL PLANTING AREAS ARE TO BE FREE OF DELETERIOUS MATERIALS AND WEEDS PRIOR TO PLANTING.
- A SOIL FERTILITY TEST SHALL BE REQUIRED FOR REVIEW BY THE LANDSCAPE ARCHITECT AFTER GRADING IS COMPLETE AND BEFORE ANY PLANT WORK. A SOIL TEST SHALL BE PERFORMED TO DETERMINE THE FINAL AMENDMENT AND FERTILIZER FORMULA. THE SOILS REPORT CONDUCTED BY WAYPOINT ANALYTICAL, (408) 727-0330, UNLESS OTHERWISE APPROVED) MUST CONTAIN THE FOLLOWING INFORMATION:
A. SOIL PERMEABILITY RATE IN INCHES PER HOUR
B. SOIL TEXTURE TEST
C. CATION EXCHANGE CAPACITY
D. SOIL FERTILITY INCLUDING TESTS FOR NITROGEN, POTASSIUM, PHOSPHOROUS, PH, ORGANIC MATTER
E. TOTAL SOLUBLE SALTS AND SODIUM CONTENT
F. CONTRACTOR TO REQUEST A "BAY-FRIENDLY" RECOMMENDATION FOR AMENDMENTS TO THE PLANTING AREA SOIL
- A MINIMUM OF 8" OF NON-MECHANICALLY COMPACTED SOIL SHALL BE AVAILABLE FOR WATER ABSORPTION AND ROOT GROWTH IN PLANTED AREAS. WITHIN THE LIMITS OF NEW PLANTING AREAS, THE TOP 12" OF EXISTING SOIL OR TO THE EXTENT OF EXISTING TOPSOIL, WHICH EVER IS LESS, SHALL BE STRIPPED AND STOCKPILED ON THE SITE FOR RE-USE. ALL PLANTING AREAS TO BE TILLED SO THAT SOIL IS LOOSE AND NOT COMPACTED. ALL PLANTING BEDS TO RECEIVE A MINIMUM OF 12" OF APPROVED TOPSOIL. TO PREPARE PLANTING BEDS AND LAWN AREAS, CULTIVATE INTO TOP 12" OF SOIL 6 CUBIC YARDS OF ORGANIC COMPOST PER 1,000 SQUARE FEET. COMPOST IS TO HAVE THE US COMPOSTING COUNCIL'S SEAL OF TESTING ASSURANCE (STA) AND THE ORGANIC MATERIALS REVIEW INSTITUTE (OMRI) LISTING. INCORPORATE COMPOST OR NATURAL FERTILIZER INTO THE SOIL TO A MINIMUM DEPTH OF 8" AT A MINIMUM RATE OF 6 CUBIC YARDS PER 1,000 SQUARE FEET OR PER SPECIFIC AMENDMENT RECOMMENDATIONS FROM A SOILS LABORATORY REPORT. ANY ADDITIONAL AMENDMENTS SHALL BE CERTIFIED ORGANIC BY OMRI.
- ALL PLANT LOCATIONS TO BE CONFIRMED IN THE FIELD BY THE LANDSCAPE ARCHITECT. CONTRACTOR IS TO COORDINATE ALL PLANTING WITH UTILITY LOCATIONS NOT SHOWN ON THIS PLAN. ANY CONFLICTS BETWEEN LOCATIONS OF PROPOSED PLANTING AND SITE UTILITIES OR LIGHTING TO BE CALLED TO THE ATTENTION OF THE LANDSCAPE ARCHITECT.
- LAYOUT OF PLANTINGS IS DIAGRAMMATIC AND MAY NEED FIELD ADJUSTMENT FOR EXISTING SITE CONDITIONS NOT SHOWN ON PLANS, OR AS DIRECTED BY THE LANDSCAPE ARCHITECT. ADJUSTMENTS WILL BE MADE FOR VIEWS, ACCESS, ETC. ALL PLANTINGS SHALL BE FIELD ADJUSTED TO MEET THE MINIMUM STATE REGULATIONS FOR PLANTING AND MAINTAINING A FIRE DEFENSIBLE SPACE, DEPT. OF FORESTRY. PLANT QUANTITIES ARE FOR INFORMATIONAL USE ONLY. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PLANTS AS SHOWN ON THE DRAWINGS.
- PLANTS SHALL BE SUFFICIENTLY ROOTED TO THE EDGE OF THE CONTAINER AND TO AN EXTENT SUFFICIENT TO HOLD THE ROOTBALL INTACT WHEN REMOVED FROM THE CONTAINER. NO PLANTS SHALL BE ACCEPTABLE THAT SHOW SIGNS OF CIRCLING OR GIRDLING OF ROOTS, OR ANY OTHER ROOT-BOUND CONDITION. PLANTS SHALL BE FREE FROM ALL PESTS AND DISEASES.
- ALL PLANTS SHALL BE PLACED IN A TRIANGULAR SPACED PATTERN, UNLESS OTHERWISE SPECIFIED.
- EXCAVATE PLANTING PITS 1" LESS THAN THE DEPTH OF THE PLANT CONTAINER AND TWO TIMES THE WIDTH OF THE PLANT CONTAINER. PREPARE HOLE BACKFILL MATERIAL BY USING 1 PART EXISTING SOIL TO 1 PART ORGANIC COMPOST. THOROUGHLY MIX THIS COMBINATION BEFORE BACKFILLING. SET PLANT PLUMB IN PLANTING PIT AND BRACE RIGIDLY IN POSITION. TAMPING BACKFILL MIX SOLIDLY AROUND THE BALL AND ROOTS. PLACE TOP OF ROOT BALL 1" ABOVE SURROUNDING GRADE. (SEE PLANTING DETAILS FOR TREES, SHRUBS AND GROUND COVERS ON THIS SHEET). DO NOT OVER COMPACT SOIL.
- ALL TREES ARE TO BE STAKED AND TREES AND SHRUBS ARE TO HAVE WATERING BASINS. ALL TREES CLOSER THAN 10'-0" TO BUILDINGS, WALKS, PAVING, CURBS OR FOOTINGS SHALL BE INSTALLED WITH A DEEP ROOT BARRIER. USE DEEP ROOT BARRIER, TYPE-UB 24-2 PER MANUFACTURER'S RECOMMENDATIONS.
- AFTER PLANTING, WATER NEW PLANTINGS DEEPLY AND THOROUGHLY.
- A MINIMUM 3" LAYER OF MULCH SHALL BE APPLIED ON ALL EXPOSED SOIL SURFACES OF PLANTING AREAS EXCEPT IN TURF AREAS, CREEPING OR ROOTING GROUND COVERS OR DIRECT SEEDING APPLICATIONS. MULCH SHALL BE "MINI FIR BARK" FROM DENBESTE PRODUCTS (707-465-6232). NATURAL COLOR.
- THE CONTRACTOR SHALL MAINTAIN THE PLANTING AND IRRIGATION INSTALLATIONS FOR 60 DAYS FROM THE DATE OF FINAL ACCEPTANCE. ALL PLANT MATERIALS SHALL BE GUARANTEED FOR A MINIMUM PERIOD OF 6 MONTHS FROM DATE OF FINAL ACCEPTANCE.

GENERAL NOTES

- REFER TO SHEET L-2 FOR PLANTING AND IRRIGATION DETAILS.
- REFER TO SHEET L-2 FOR MWEO CALCULATIONS.



GRAPHIC SCALE

0 10 20
(IN FEET)
1 INCH = 10 FT

DATE: 10/04/2024

SHEET NUMBER: L-1 OF 2

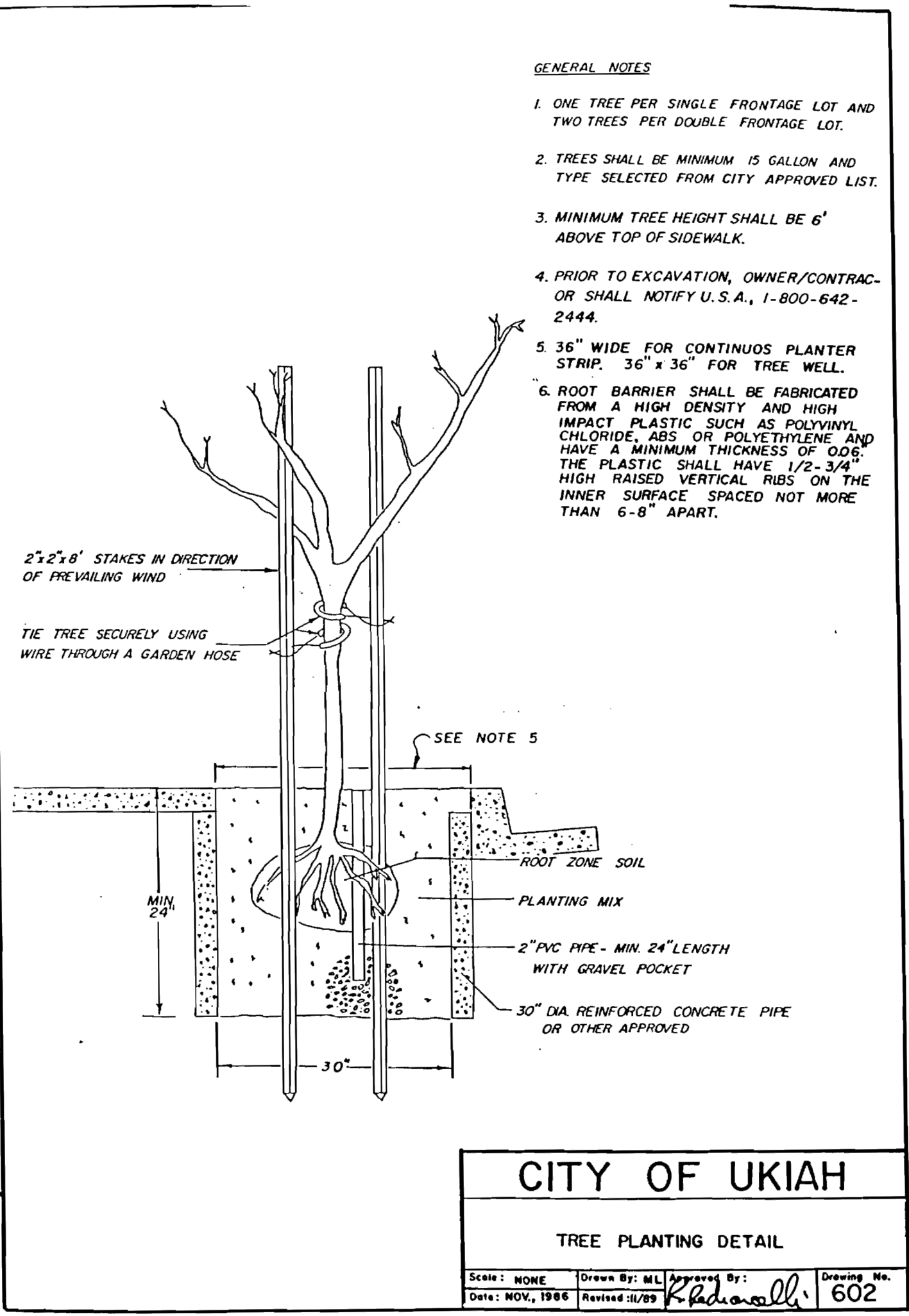
PROJECT NUMBER: 24-057.01

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INTEGRA
PLANNING +
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ARCHITECTURE

IRRIGATION + MWEO CALCULATIONS
CONCEPTUAL LANDSCAPE PLAN
FINANCIAL INSTITUTION
414 EAST PERKINS STREET, UKIAH, CALIFORNIA 95482



IRRIGATION NOTES

- LANDSCAPE CONTRACTOR (C-27 LICENSE) SHALL BID AND INSTALL IRRIGATION PER THESE PLANS AND SPECIFICATIONS, UNLESS GIVEN FURTHER WRITTEN INSTRUCTIONS, OR REVISED PLANS PER OWNER OR LANDSCAPE ARCHITECT. WORK INCLUDES, BUT IS NOT LIMITED TO ALL LABOR, COVERED LIABILITY INSURANCE, WORKMAN'S COMPENSATIONS, EQUIPMENT AND MATERIALS. NECESSARY TO FURNISH, INSTALL AND TEST IRRIGATION SYSTEM, AS SHOWN ON THE DRAWINGS AND SPECIFIED HEREIN.
 - COORDINATE A MINIMUM OF (2) FIELD OBSERVATIONS WITH LANDSCAPE ARCHITECT AND CALL TO PROVIDE 48 HOUR NOTICE:
 - VERIFY FLAGGED HEAD AND CHALKED MAINLINE LAYOUT PRIOR TO TRENCHING OPERATIONS. ADJUST LAYOUT AS DIRECTED BY LANDSCAPE ARCHITECT.
 - OBSERVE COMPLETE PLUMBING SYSTEM AND PRESSURE TEST ALL MAINLINE & LATERALS PRIOR TO ANY BACKFILLING OPERATIONS.
 - CONTRACTOR SHALL PROVIDE SUBMITTALS/CUT SHEETS TO LANDSCAPE ARCHITECT OF ALL IRRIGATION MATERIALS INCLUDING, BUT NOT LIMITED TO CONTROLLER, CONTROL WIRE, MAIN LINE PVC, VALVES, PRESSURE REDUCER, ETC. CONTRACTOR SHALL FURNISH TO OWNER KEYS TO CONTROLLER, QUICK COUPLER AND ANY SPECIAL TOOLS REQUIRED FOR MAINTENANCE OF ALL IRRIGATION COMPONENTS.
 - MANUFACTURERS DIRECTIONS AND DETAILED DRAWINGS SHALL BE FOLLOWED IN ALL CASES WHERE THE MANUFACTURERS OF COMPONENTS, USED IN THIS CONTRACT, COVER POINTS NOT SHOWN ON DRAWINGS AND SPECIFICATIONS.
 - CONTRACTOR SHALL KEEP DETAILED REDLINE PLAN RECORDING INSTALLATION OF IRRIGATION SYSTEM AS IT PROGRESSES. RECORD PLAN SHALL BE DRAFTED ONTO DRAWINGS PROVIDED BY LANDSCAPE ARCHITECT, INTO AS-BUILT DRAWINGS SHOWING LOCATIONS OF POINT OF CONNECTION, LATERALS, MAIN LINES, QUICK COUPLERS, VALVES, HEADS, WIRING, ETC., FOR APPROVAL BY LANDSCAPE ARCHITECT. FOLLOWING APPROVAL, AS-BUILTS SHALL BE REDUCED TO 1/4" SIZE, COLOR CODED BY STATION, AND LAMINATED IN 6 MIL. PLASTIC, 3 REQUIRED FOR EACH CONTROLLER.
 - THREE LAMINATED DETAILED IRRIGATION SCHEDULES SHOWING STATION PROGRAMMING AND RUN TIMES SHALL BE PROVIDED FOR EACH CONTROLLER AND APPROVED BY LANDSCAPE ARCHITECT. ONE WARM SEASON, ONE COOL SEASON AND ONE FOR ESTABLISHMENT PERIOD. EACH SCHEDULE SHALL BE ACCOMPANIED BY REDUCED "AS-BUILT" PLAN PERMANENTLY MOUNTED IN OR NEAR CONTROLLER. THESE SHALL BE SUBMITTED PRIOR TO ACCEPTANCE TO WORK AND AS A CONDITION OF COMMENCEMENT OF MAINTENANCE PERIOD.
 - ALL IRRIGATION EQUIPMENT TO BE INSTALLED PER CITY, COUNTY AND STATE STANDARDS. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ANY AND ALL PERMITS AND INSPECTIONS AS REQUIRED. THE MATERIAL AND WORK SHALL CONFORM TO ALL APPLICABLE PROVISIONS OF THE LATEST ADDITIONS OF THE UNIFORM PLUMBING CODE AND THE NATIONAL ELECTRIC CODE. CONTRACTOR SHALL FAMILIARIZE HIMSELF/HERSELF WITH ALL STATE AND LOCAL LAWS, CODES, ORDINANCES, RESTRICTIONS BEFORE BEGINNING INSTALLATION.
 - CONTRACTOR SHALL VERIFY GALLONS PER MINUTE (G.P.M.) AT POINT OF CONNECTION DOWNSTREAM OF BACKFLOW DEVICE TO BE A MINIMUM OF 60 G.P.M. AND 30 P.S.I. CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES PRIOR TO COMMENCING WORK. FAILURE TO DO SO WILL MAKE THE CONTRACTOR LIABLE FOR ALL NECESSARY CHANGES.
 - TEST ALL PRESSURE LINES PRIOR TO BACK FILLING. UNDER STATIC PRESSURE OF 150 PSI FOR A PERIOD OF 2 HOURS. IF LEAKS DEVELOP, REPAIR SYSTEM AND REPEAT TEST UNTIL PRESSURE IS HELD.
 - ALL 120V. ELECTRIC POWER SUPPLY FOR IRRIGATION CONTROLLER SHALL BE PROVIDED AND CONNECTED TO CONTROLLER BY A LICENSED ELECTRICIAN. LANDSCAPE CONTRACTOR SHALL MAKE HARDWIRE CONNECTION FOR ALL CONTROL WIRES. CONTRACTOR SHALL INSTALL CONTROL WIRES THAT:
 - CONNECTIONS BETWEEN THE CONTROLLER AND THE REMOTE CONTROL VALVES SHALL BE MADE CONTINUOUS (NO SPLICES) WITH DIRECT BURIAL COPPER WIRE 14 GA. AWG U.P. 600 VOLT. TAPE WIRES TO THE MAINLINE AT 10 FOOT INTERVALS, EXCEPT WHERE INDEPENDENTLY SLEEVED UNDER PAVING.
 - PROVIDE THREE CONTINUOUS LOOP WIRES FROM THE CONTROLLER TO EACH VALVE WITH 9' LOOP. LABEL IN VALVE BOX. PROVIDE SEPARATE COLOR WIRES FOR CONTROL, COMMON AND EXTRA LOOP WIRES. CONTROL SHALL BE RED, COMMON SHALL BE WHITE AND EXTRAS SHALL BE BLACK/YELLOW.
 - AN EXPANSION CURL SHALL BE PROVIDED WITHIN (3) FEET OF EACH WIRE CONNECTION IN VALVE BOX. EXPANSION CURLS SHALL BE 18 INCHES IN LENGTH AT EACH SPLICE CONNECTION AND AT EACH CONTROL VALVE, SO THAT IN CASE OF REPAIR THE VALVE BONNET CAN BE BROUGHT TO THE SURFACE WITHOUT DISCONNECTION OF THE CONTROL WIRES. ALL SPLICES SHALL BE MADE WATERPROOF WITH RAINBIRD SNAP-TIE WIRE CONNECTIONS OR APPROVED EQUAL.
 - THESE DRAWINGS INCLUDE A DIAGRAMMATIC DISPLAY THAT SHOWS:
 - BEFORE PROCEEDING WITH ANY WORK, CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND QUANTITIES; CONTACT AND INFORM THE LANDSCAPE ARCHITECT OF ANY DISCREPANCIES BETWEEN DRAWINGS AND ACTUAL CONDITION IMMEDIATELY.
 - LAYOUT OF PIPING, VALVES, AND HEADS IS DIAGRAMMATIC. THERE MAY BE FIELD ADJUSTED FOR EASE OF INSTALLATION, COMMON TRENCHING, AND OPTIMUM COVERAGE. OBTAIN WRITTEN APPROVAL FOR CHANGES PRIOR TO CONSTRUCTION.
 - DRIP SYMBOL IS SCHEMATIC, VERIFY PLANT QUALITIES FOR EXACT NUMBER OF EMITTERS AND LENGTH OF PIPE. ALL OFFSET, FITTINGS, SLEEVES, ETC. ARE NOT INDICATED DUE TO SCALE OF DRAWINGS, AND ARE TO BE FURNISHED AS REQUIRED.
 - CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR WORK INSTALLED IN AREA WHERE WORK HAS BEEN MODIFIED WITHOUT WRITTEN APPROVAL.
 - PIPE SIZES ON PLANS ARE MINIMUM ALLOWABLE.
 - FINAL LOCATION OF BACKFLOW PREVENTION DEVICE SHALL BE APPROVED BY LANDSCAPE ARCHITECT.
 - THE DRIP PORTION OF THE SYSTEM SHALL BE AUTOMATICALLY OPERATED AND CAPABLE OF OPERATING THE SYSTEM FROM 1/2 HOUR TO SEVERAL HOURS PER DAY AND PER SETTING, AND HAVE AN AUTOMATIC RAIN SHUTOFF UNIT. THE SYSTEM SHALL MEET THE FOLLOWING BASIC PARAMETERS:
 - FROM THE VALVE ASSEMBLY, A 3/4" SCH 40 PVC PIPE SHALL BE BROUGHT TO A 3/4" INCH PVC TEE. ALL STATIONS SHOULD BE CENTER-LOADED WHEREVER POSSIBLE, AND AT NO TIME SHALL THE WATER FLOW IN ANY PIPE EXCEED A SPEED OF 5 FEET PER SECOND.
 - A 5/8" A/R PVC HOSE SHALL EXTEND FROM EACH SIDE OF THE PVC TEE. THE FLOW IN EACH OF THESE 5/8" LINES SHALL NOT EXCEED 180 GALLONS PER HOUR. A TORO NGE PC EMITTER (OR APPROVED EQUAL) SHALL BE INSTALLED INTO THIS HOSE PER THESE QUANTITIES: TWO 1/2 GALLON PER HOUR SINGLE OUTLET EMITTERS SHALL BE PLACED AT THE BASE OF EACH 1 GALLON CONTAINER, TWO 1 GALLON PER HOUR EMITTERS SHALL BE PLACED AT THE BASE OF EACH 5 GALLON CONTAINER. CAP ALL LINE ENDS WITH A BALL VALVE SO THEY MAY BE FLUSHED. USE A KB INLINE CHECK VALVE WHERE REQUIRED FOR LOW-HEAD DRAINAGE WHERE ELEVATION DIFFERENTIAL BETWEEN HEADS MAY CAUSE RUN OFF.
 - THE SYSTEM SHALL BE DESIGNED ACCORDING TO TORO RECOMMENDATIONS AND FOR A WORKING PRESSURE OF 25 PSI.
 - AVOID CUTTING EXISTING ROOTS GREATER THAN 1" DIAMETER. TUNNEL UNDER ROOT WITHOUT DAMAGING CAMBIUM LAYER OF BARK. ALL TRENCHING WITHIN THE DRIPLINE OF EXISTING TREES SHALL BE DONE BY HAND, VERIFY PIPE ROUTE WITH LANDSCAPE ARCHITECT PRIOR TO TRENCHING.
 - USE SCH 40 PVC AT DRIVEWAY/ROAD CROSSING WITH 24" OF COVER. ALL SLEEVES TO BE TWICE DIAMETER OF REQUIRED PIPE AND EXTEND 12" BEYOND PAVING EDGE. SLEEVE EACH PIPE SEPARATELY AND PROVIDE SEPARATE SLEEVE FOR CONTROL WIRES.
- THE TRENCHES SHALL NOT BE BACKFILLED UNTIL ALL REQUIRED TESTS ARE PERFORMED. BACKFILL SHALL BE WATER SETTLED OR MECHANICALLY COMPACTED IN LANDSCAPED AREAS TO A DRY DENSITY EQUAL TO ADJACENT UNDISTURBED AREAS. CONTRACTOR WILL INSTALL 3" WIDE DETECTABLE TAPE (#3 DTP, AS MANUFACTURED BY T. CHRISTY). TAPE SHALL BE INSTALLED 6" ABOVE THE IRRIGATION MAINLINE AND BE LABELED "CAUTION WATER LINE BURIED BELOW". INSTALL ABOVE ALL WATER MAIN LINES. BACKFILLING SHALL CONFORM TO ADJACENT GRADES WITHOUT DIPS, SUNKEN AREAS, HUMPS OR OTHER SURFACES IRREGULARITIES. IF SETTLEMENT OCCURS AND SUBSEQUENT ADJUSTMENTS ARE NECESSARY, THE CONTRACTOR SHALL MAKE ALL REQUIRED ADJUSTMENTS WITHOUT COST TO THE OWNER.
 - THE CONTRACTOR SHALL GUARANTEE THE IRRIGATION SYSTEM FOR A PERIOD OF 12 MONTHS. THE SYSTEM SHALL BE FREE FROM DEFECTS IN MATERIALS AND WORKMANSHIP AND THE CONTRACTOR SHALL REPAIR OR REPLACE ANY DEFECTS AND REPAIR ANY DAMAGE CAUSED BY DEFECTS FOR THE ABOVE MENTIONED TIME PERIOD AT NO COST TO THE OWNER. SUCH REPAIRS OR REPLACEMENTS SHALL BE COMPLETED WITHIN A 48 HOUR PERIOD AND IMMEDIATELY IF IT IS A SAFETY ISSUE.
 - CLEANUP SHALL BE MADE AS EACH PORTION OF WORK PROGRESSES. ALL PAVING AND WALKS SHALL BE BROOMED OR WASHED DOWN AND ANY DAMAGE SUSTAINED TO THE WORK OF OTHERS SHALL BE REPAIRED TO ORIGINAL CONDITIONS ACCEPTABLE TO THE OWNER.

Estimated Total Water Use						
Equation: ETWU = ET _a x 0.62 x [(((PF x HA)/IE) + SLA)]; Considering precipitation ETWA = (ETo-Eppt) x 0.62 x [(((PF x HA)/IE) +SLA)]						
Enter values in Pale Blue Cells						
Tan Cells Show Results						
Messages and Warnings						
Irrigation Efficiency Default Value for overhead 0.75 and drip 0.81.						
Plant Water Use Type			Plant Factor			
Very Low			0 - 0.1			
Low			0.2 - 0.3			
Medium			0.4 - 0.6			
High			0.7 - 1.0			
SLA			1.0			
Hydrozone	Select System From the Dropdown List click on cell below	Plant Water Use Type (s) (low, medium, high)	Plant Factor (PF)	Hydrozone Area (HA) (ft ²) Without SLA	Irrigation Efficiency (IE)	(PF x HA (ft ²))/IE
Zone 1	Drip	Low	0.30	3,743	0.81	1,386
Zone 2	Drip	Low	0.30	75	0.81	28
Zone 3	Drip	Medium	0.60	175	0.81	130
						1,544
		SLA		0		0
			Sum	3,993		
Results						
MAWA = 34,140		ETWU = 29,330 Gallons		ETWU complies with MAWA		
		3,921 Cubic Feet				
		39.21 HCF				
		0.09 Acre-feet				
		0.03 Millions of Gallons				

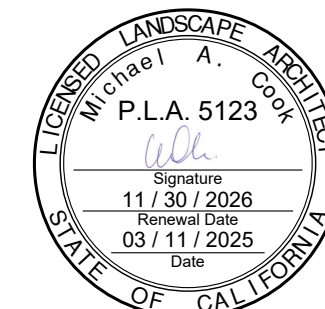
MWEO STATEMENT

"I HAVE COMPLIED WITH THE CRITERIA OF THE ORDINANCE AND APPLIED THEM FOR THE EFFICIENT USE OF WATER IN THE IRRIGATION PLAN"

[Signature]

MICHAEL A. COOK
REGISTERED LANDSCAPE ARCHITECT #5123

10/04/2024
DATE



Michael A. Cook
PLA 5123 Exp. 11/30/2026



INTEGRA
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PROJECT:
**REDWOOD CREDIT
UNION**
414 EAST PERKINS STREET
UKIAH, CALIFORNIA, 95482
APN #002-200-32

CLIENT:
AXIA ARCHITECTS

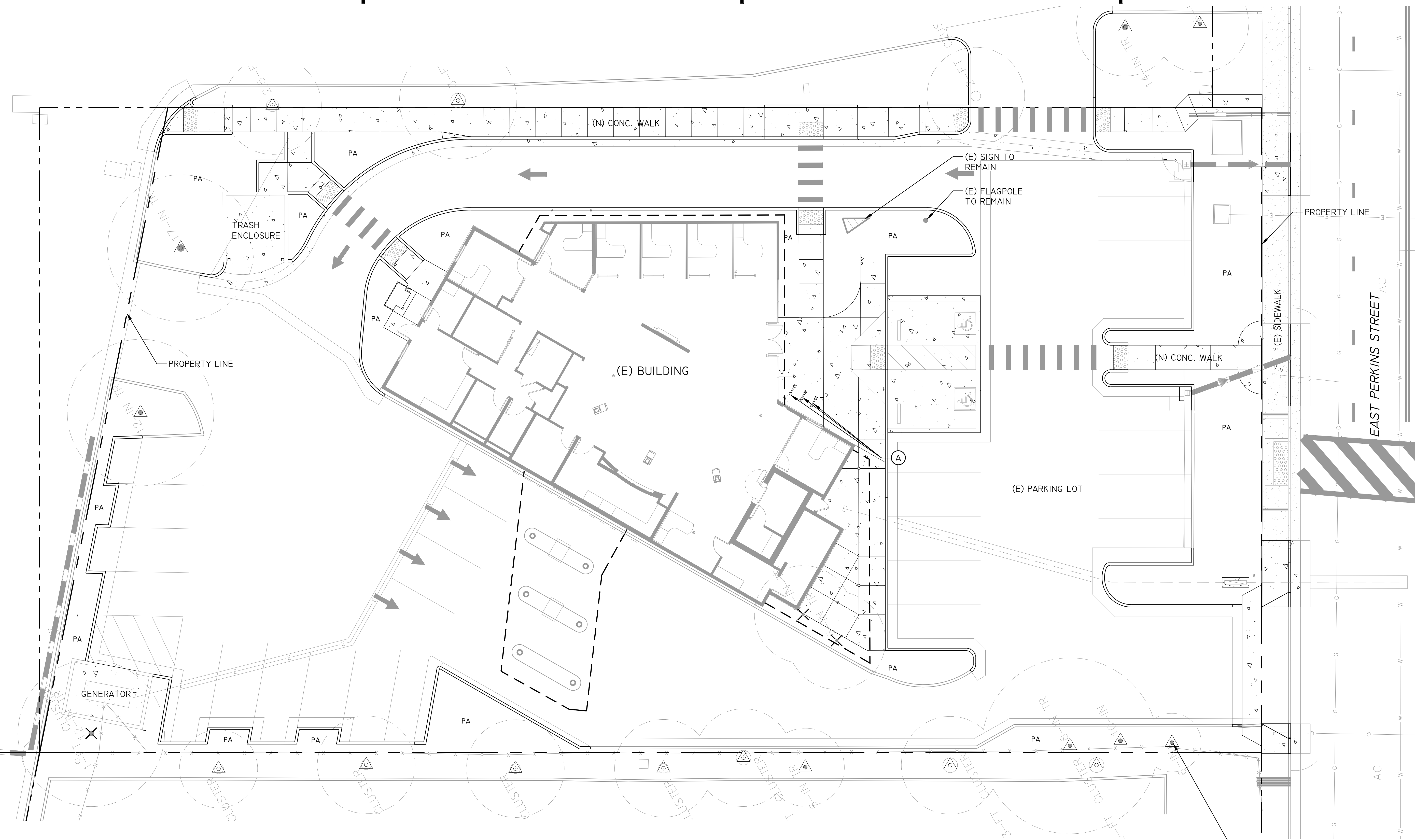
540 MENDOCINO AVENUE
SANTA ROSA, CALIFORNIA, 95401

SHEET DESCRIPTION:
SITE PLAN

REVISIONS:

DATE: 03/11/2025
SCALE: 1"=10'-0"
DRAWN BY: MG
CHECKED BY: MAC

SHEET
NUMBER: **L1.0** OF 7
PROJECT
NUMBER: **24-057.02**



TREE AND PLANT STATUS LEGEND

SYMBOL	STATUS
	PROTECT IN PLACE
	REMOVE

CONSTRUCTION LEGEND

	ALIGN CENTER LINE
PA	PLANTING AREA
R	RADIUS
TYP.	TYPICAL

	DETAIL REFERENCE
L1.0	SHEET NUMBER

- REFER TO MATERIAL SCHEDULE
 REFER TO AMENITIES SCHEDULE

AMENITIES SCHEDULE

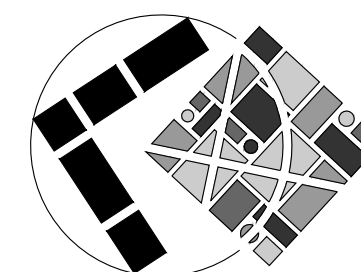
- BIKE RACK - DUMOR #291-00HG/S-I. HOT GALVANIZED BIKE RACK EMBEDMENT MOUNT. TYP. OF (3). SEE DETAIL 2/L1.I

METAL CONSTRUCTION

- ALL BRACKETS, BOLTS, FASTENERS, NAILS AND SHEET METAL POST CAPS SHALL BE HOT DIP GALVANIZED STEEL.
- PRE-DRILL ANY HOLES FOR LAG BOLTS $\frac{1}{8}$ " OR GREATER BY $\frac{1}{16}$ " LESS THAN FASTENER SIZE. PRE-DRILL HOLES FOR THROUGH BOLTS $\frac{1}{8}$ " OR GREATER BY $\frac{1}{16}$ " LARGER THAN FASTENER SIZE TO REDUCE FUTURE CHECKING.
- USE EPOXY BASED EXTERIOR ADHESIVE FOR ALL PLUGS, SAND UNTIL FLUSH WITH MEMBER.
- USE GALVANIZED STEEL FOR ALL HARDWARE (UNLESS NOTED OTHERWISE).
- PRE-DRILL & FIT ALL FASTENER PENETRATIONS AND WELDED CONNECTIONS PRIOR TO STAINING.
- CONTRACTOR SHALL COORDINATE LAYOUT OF ALL UTILITIES & ROUTES FOR ELECTRICAL THROUGH FOOTINGS & INSIDE POST TO FINAL DESTINATION.
- FIELD VERIFIED "AS-BUILT" DIMENSIONS AS REQUIRED. PROVIDE SHOP DRAWINGS FOR ANY CHANGES FROM APPROVED DRAWINGS.

NOTES

- REFER TO ARCHITECTURE AND CIVIL DRAWINGS FOR ADDITIONAL INFORMATION.
- REFER TO SHEET L1.I FOR DETAILS.



GRAPHIC SCALE
0 10 20
(IN FEET)
1 INCH = 10 FT

Mar 12, 2025 - 3:35pm
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PROJECT:

**REDWOOD CREDIT
UNION**
414 EAST PERKINS STREET
UKIAH, CALIFORNIA, 95482
APN #002-200-32

CLIENT:

AXIA ARCHITECTS

540 MENDOCINO AVENUE
SANTA ROSA, CALIFORNIA, 95401

SHEET DESCRIPTION:

**CONSTRUCTION
DETAILS**

REVISIONS:

DATE: 03/11/2025

SCALE: AS SHOWN

DRAWN BY: MG

CHECKED BY: MAC

SHEET

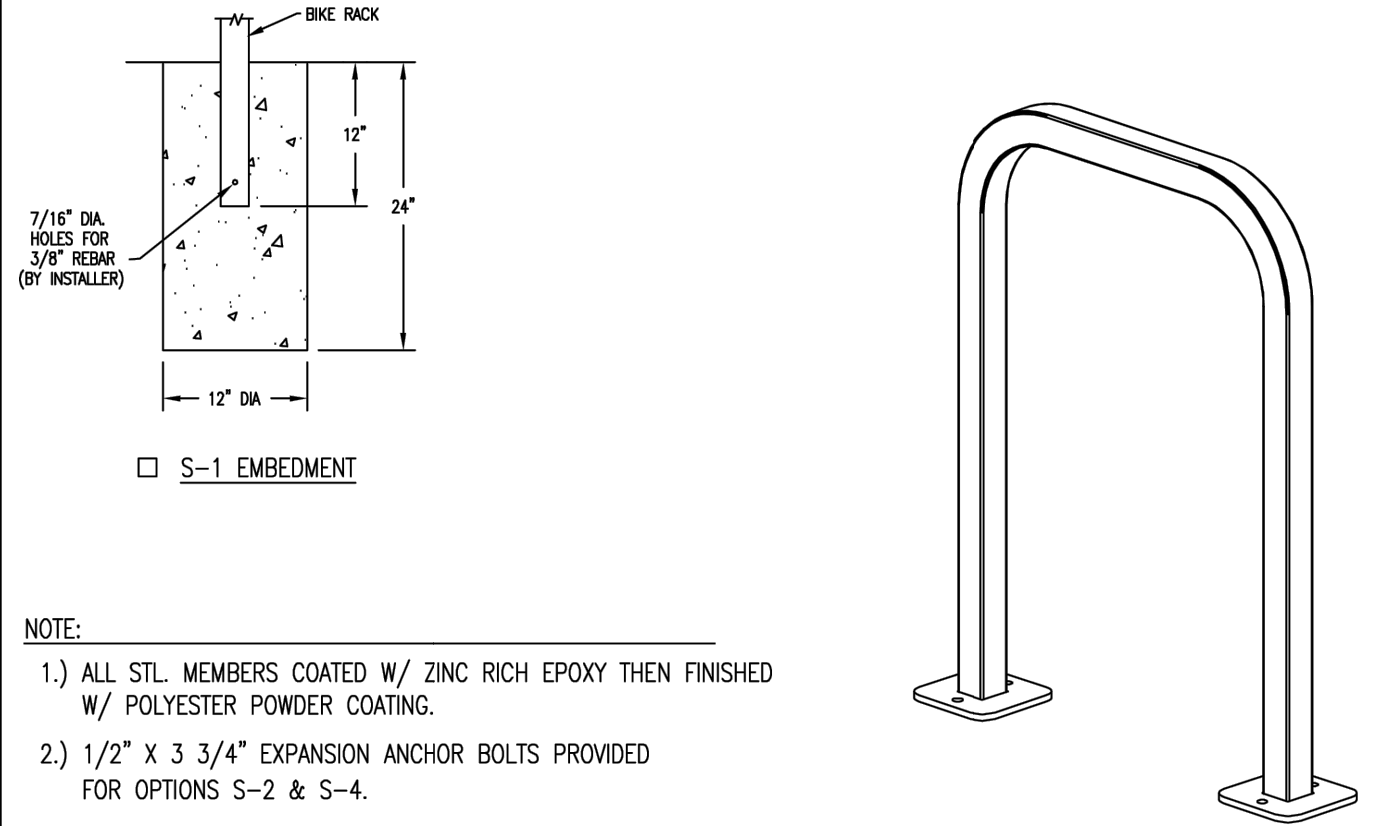
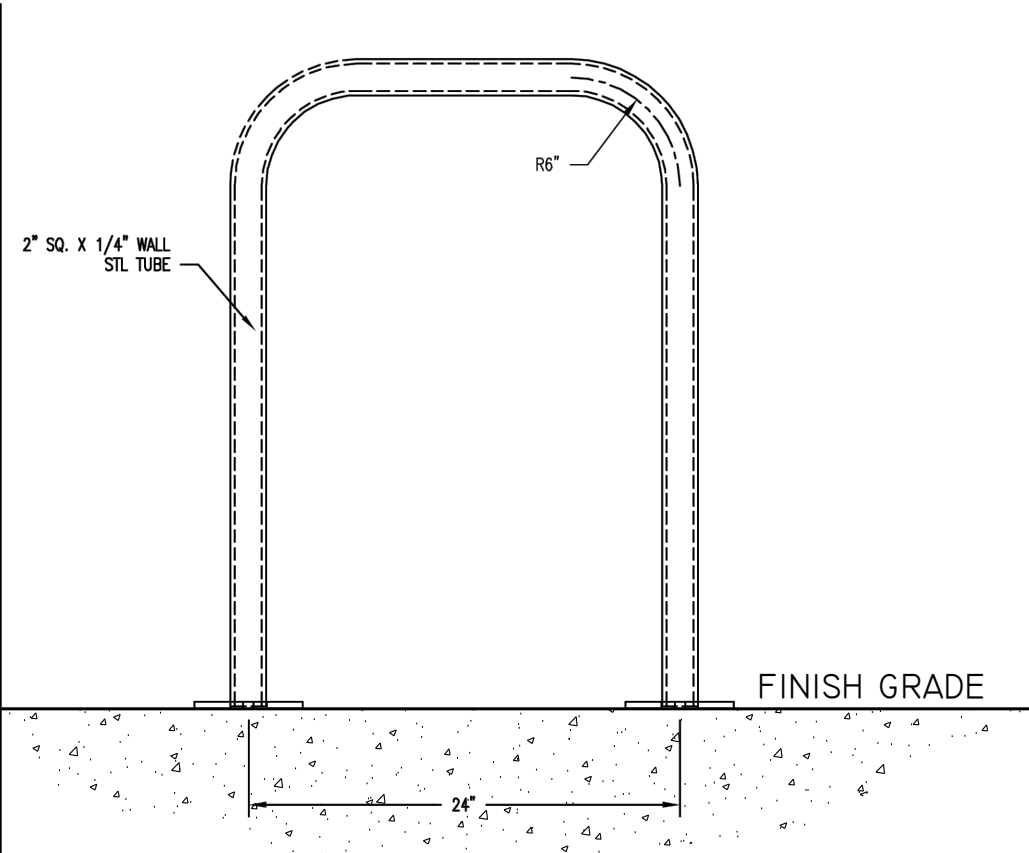
NUMBER: **L1.1** OF 7

PROJECT

NUMBER: **24-057.02**

NOTES:

1. REFER TO MATERIAL SCHEDULE FOR INFORMATION RELATIVE TO COLOR, TYPE AND FINISH.
2. UNLESS OTHERWISE NOTED, NEW FINISH SURFACE SHALL BE FLUSH WITH ADJACENT EXISTING SURFACES.
3. FINISH GRADE: 1" BELOW FINISH SURFACE ADJACENT TO TURF AND 2" BELOW ADJACENT TO NON-TURF AREAS.
4. FOR ADDITIONAL INFORMATION REFER TO SITE PLAN AND GRADING NOTES.
5. PROJECT GEOTECHNICAL REPORT OR RECOMMENDATIONS BY A STRUCTURAL ENGINEER SHALL TAKE PRECEDENCE FOR ALL SOIL CONDITIONS, MATERIALS, REINFORCEMENT, DIMENSIONS, AND SUBBASE.



- NOTE:
- 1.) ALL STL. MEMBERS COATED W/ ZINC RICH EPOXY THEN FINISHED W/ POLYESTER POWDER COATING.
 - 2.) 1/2" X 3 3/4" EXPANSION ANCHOR BOLTS PROVIDED FOR OPTIONS S-2 & S-4.



BIKE RACK

DATE DRAWN : 01/21/19

REV.

DRAWING

NUMBER

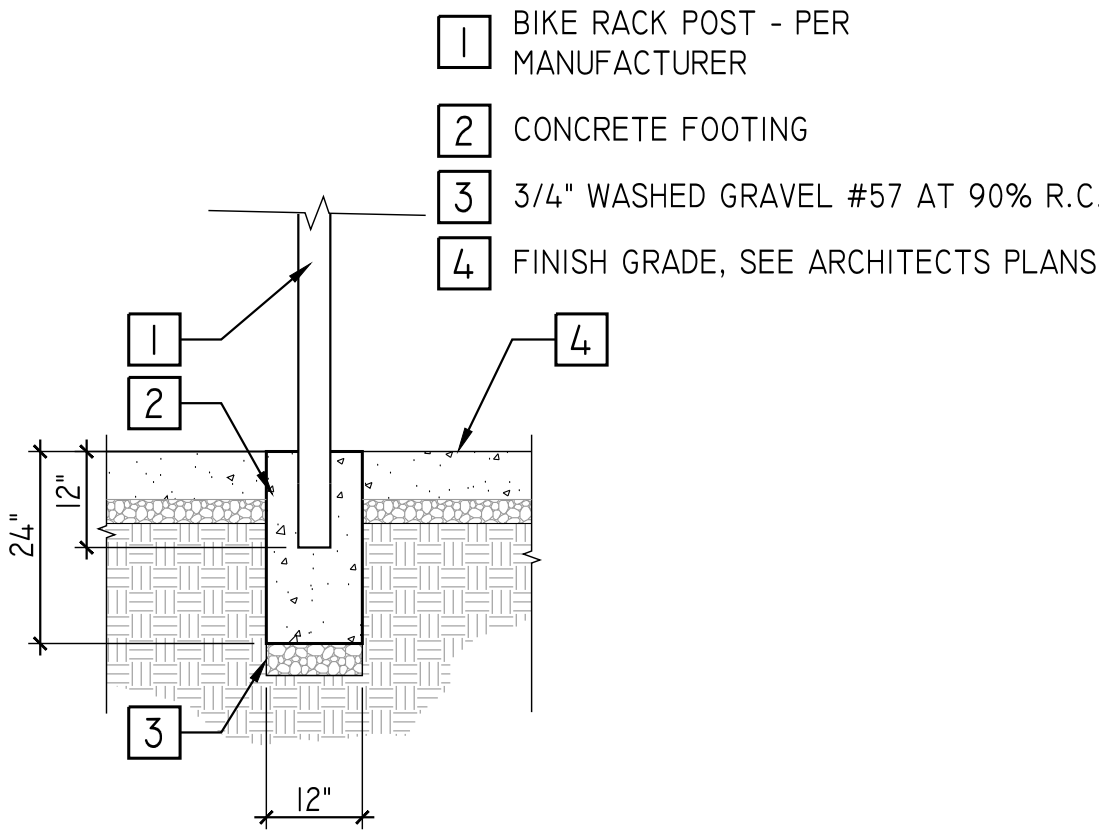
291 SERIES

SHEET

2

BIKE RACK

SCALE: NTS

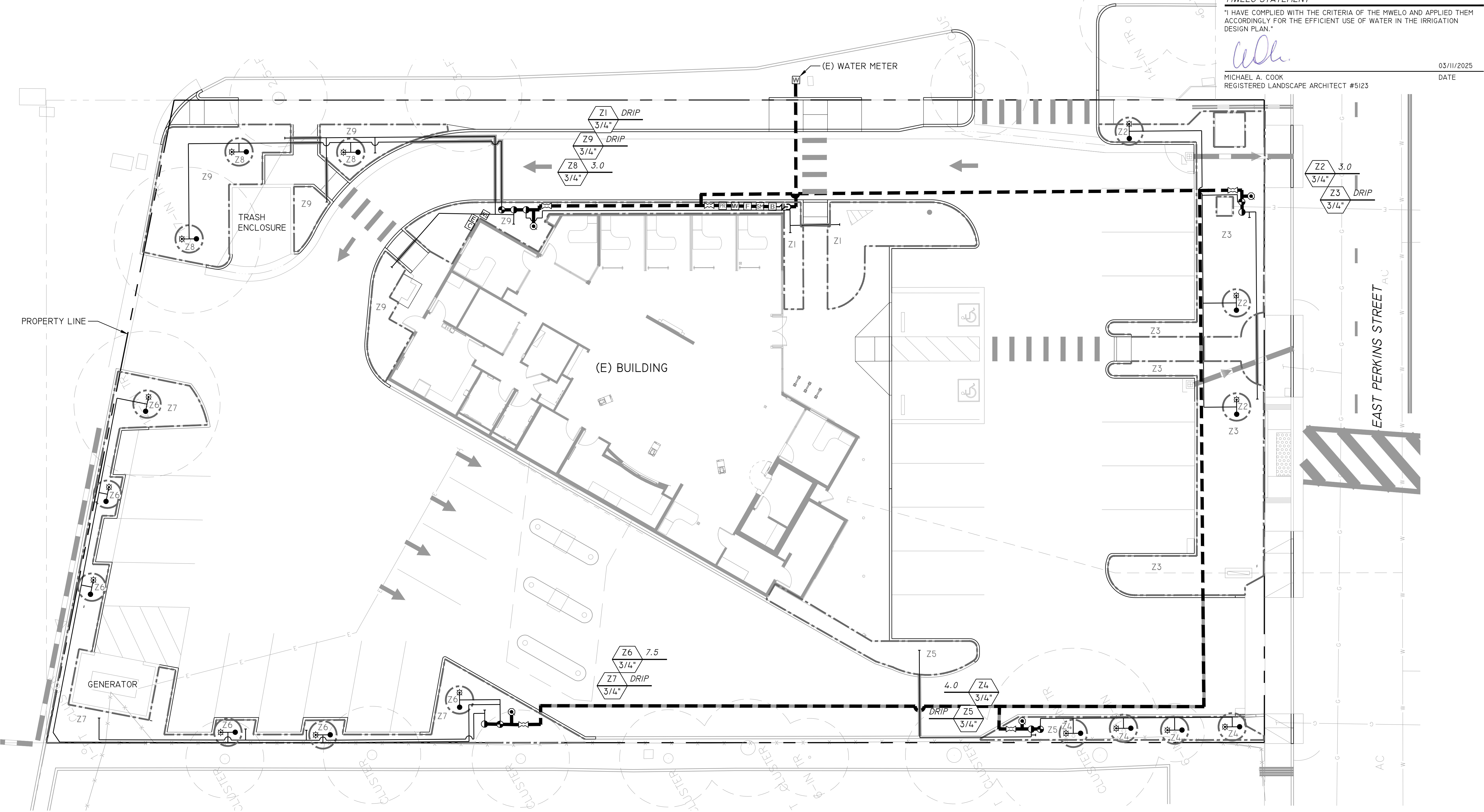


- 1 BIKE RACK POST - PER MANUFACTURER
- 2 CONCRETE FOOTING
- 3 3/4" WASHED GRAVEL #57 AT 90% R.C.
- 4 FINISH GRADE, SEE ARCHITECTS PLANS

1

BIKE RACK FOOTING

SCALE: 1/2" = 1'-0"



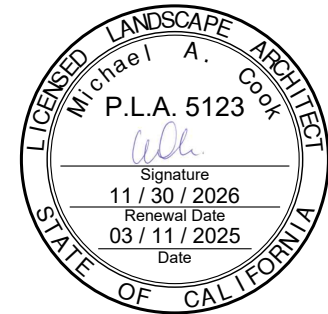
MWEO STATEMENT

"I HAVE COMPLIED WITH THE CRITERIA OF THE MWEO AND APPLIED THEM ACCORDINGLY FOR THE EFFICIENT USE OF WATER IN THE IRRIGATION DESIGN PLAN."

Michael A. Cook

MICHAEL A. COOK
REGISTERED LANDSCAPE ARCHITECT #5123

03/11/2025
DATE



Michael A. Cook
PLA 5123 Exp. 11/30/2026



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UKIAH, CALIFORNIA, 95482
APN #002-200-32

CLIENT:

AXIA ARCHITECTS

540 MENDOCINO AVENUE
SANTA ROSA, CALIFORNIA, 95401

SHEET DESCRIPTION:

IRRIGATION PLAN

REVISIONS:

DATE: 03/11/2025

SCALE: 1"=10'±0"

DRAWN BY: MG

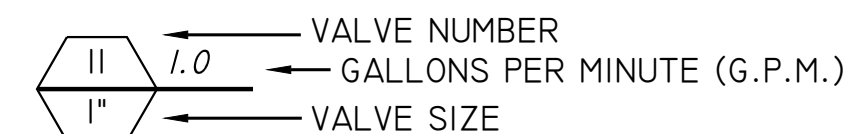
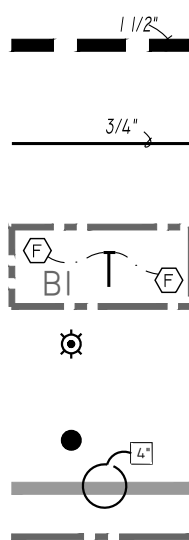
CHECKED BY: MAC

SHEET
NUMBER: **L2.0** OF 7

PROJECT
NUMBER: **24-057.02**

IRRIGATION LEGEND

SYMBOL	DESC.
	POINT OF CONNECTION
	EXISTING WATER METER: (PER CITY/COUNTY STANDARDS)
	SUB-METER: NETAFIM #WM-100-0.1-ER-P, IRON, INSTALL AT POINT OF CONNECTION
	BACKFLOW DEVICE (PER CITY/COUNTY STANDARDS)
	FLOW SENSOR: IRRITROL FS-B100.
	MASTER VALVE: SUPERIOR 3200, NORMALLY CLOSED (LINE SIZE).
	PRESSURE REGULATOR: WATTS #LF-U5B Z3 2, SYSTEM SET TO 55
	ELECTRICAL CONNECTION: SEE ELECTRICALDRAWINGS
	CONTROLLER: IRRITROL MCE-I2E I2 STATION CONTROLLER, WALL MOUNT IN LOCKABLE BOX
	WEATHER SENSOR: IRRITROL CL-I00-WIRELESS CLIMATE
	LOGIC SENSOR. INSTALL ON ROOF GUTTER
	BALL VALVE: NDS PVC BALL VALVE (LINE SIZE)
	REMOTE CONTROL VALVE: TORO 700 SERIES. (SIZE AS SHOWN)
	DRIP REMOTE CONTROL VALVE: TORO 700 SERIES W/DZK-700 DRIP KIT. (SIZE AS SHOWN)
	QUICK COUPLER: RAINBIRD 1" 44-NP W/LOCKING COVER.



SYMBOL DESC.

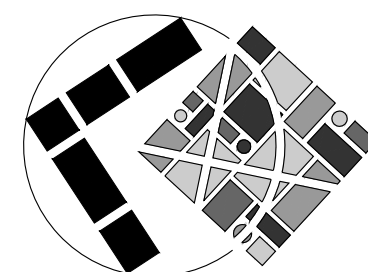
MAINLINE: SCH. 40 PVC; ALL MAINLINES & FITTINGS TO BE 1 1/2" UNLESS OTHERWISE NOTED ON PLANS.
LATERAL LINE: SCH. 40 PVC; ALL LATERALS & FITTINGS TO BE 3/4" UNLESS OTHERWISE NOTED ON PLANS.
FLEXIBLE DRIP LINE: SCH. 40 PVC LATERAL & RISERS W/ 5/8" POLY DRIP TUBING & END CAPS (TUBING NOT SHOWN FOR CLARITY)
STREAM BUBBLER: TORO #570Z-6P PRX COM W/SB-180-PC2, SCH 40 PVC LATERALS AND RISERS.
FLOOD BUBBLER: RAINBIRD I404 WITH RWS-BC-I404; ADD SAND SOCK.
SLEEVES: SCH. 40 PVC; TWICE THE SIZE AS PIPING.
HYDROZONE BOUNDARY

IRRIGATION NOTES

- LANDSCAPE CONTRACTOR (C-27 LICENSE) SHALL BID AND INSTALL IRRIGATION PER THESE PLANS AND SPECIFICATIONS, UNLESS GIVEN FURTHER WRITTEN INSTRUCTIONS, OR REVISED PLANS PER OWNER OR LANDSCAPE ARCHITECT. WORK INCLUDES, BUT IS NOT LIMITED TO ALL LABOR, COVERED LIABILITY INSURANCE, WORKMAN'S COMPENSATIONS, EQUIPMENT AND MATERIALS NECESSARY TO FURNISH, INSTALL AND TEST IRRIGATION SYSTEM, AS SHOWN ON THE DRAWINGS AND SPECIFIED HEREIN.
- ALL IRRIGATION EQUIPMENT TO BE INSTALLED PER CITY, COUNTY AND STATE STANDARDS. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ANY AND ALL PERMITS AND INSPECTIONS AS REQUIRED. THE MATERIAL AND WORK SHALL CONFORM TO ALL APPLICABLE PROVISIONS OF THE LATEST ADDITIONS OF THE UNIFORM PLUMBING CODE AND THE NATIONAL ELECTRIC CODE. CONTRACTOR SHALL FAMILIARIZE HIMSELF/HERSELF WITH ALL STATE AND LOCAL LAWS, CODES, ORDINANCES, RESTRICTIONS BEFORE BEGINNING INSTALLATION.
- CONTRACTOR SHALL VERIFY GALLONS PER MINUTE (G.P.M.) AT POINT OF CONNECTION DOWNSTREAM OF BACKFLOW DEVICE TO BE A MINIMUM OF 60 G.P.M. AND 40 P.S.I. CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES PRIOR TO COMMENCING WORK, FAILURE TO DO SO WILL MAKE THE CONTRACTOR LIABLE FOR ALL NECESSARY CHANGES.
- TEST ALL PRESSURE LINES PRIOR TO BACK FILLING, UNDER STATIC PRESSURE OF 150 PSI FOR A PERIOD OF 2 HOURS. IF LEAKS DEVELOP, REPAIR SYSTEM AND REPEAT TEST UNTIL PRESSURE IS HELD.
- THESE DRAWINGS INCLUDE A DIAGRAMMATIC DISPLAY THAT SHOWS:
 - BEFORE PROCEEDING WITH ANY WORK, CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND QUANTITIES; CONTACT AND INFORM THE LANDSCAPE ARCHITECT OF ANY DISCREPANCIES BETWEEN DRAWINGS AND ACTUAL CONDITION IMMEDIATELY.
 - LAYOUT OF PIPING, VALVES, AND HEADS IS DIAGRAMMATIC. THERE MAY BE FIELD ADJUSTED FOR EASE OF INSTALLATION, COMMON TRENCHING, AND OPTIMUM COVERAGE. OBTAIN WRITTEN APPROVAL FOR CHANGES PRIOR TO CONSTRUCTION.
 - DRIP SYMBOL IS SCHEMATIC, VERIFY PLANT QUALITIES FOR EXACT NUMBER OF EMITTERS AND LENGTH OF PIPE. ALL OFFSET, FITTINGS, SLEEVES, ETC. ARE NOT INDICATED DUE TO SCALE OF DRAWINGS, AND ARE TO BE FURNISHED AS REQUIRED.
 - CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR WORK INSTALLED IN AREA WHERE WORK HAS BEEN MODIFIED WITHOUT WRITTEN APPROVAL.
 - PIPE SIZES ON PLANS ARE MINIMUM ALLOWABLE.

NOTES

- REFER TO SHEET
L2.1-L2.2 FOR IRRIGATION
DETAILS & MWEO
CALCULATIONS.



GRAPHIC SCALE
0 10 20
(IN FEET)
1" = 10'



PLANT TYPE	AREA (SF)	% OF LANDSCAPE
LOW WATER USE	4232	93.9%
MEDIUM WATER USE	275	6.1%
HIGH WATER USE		
TOTAL	4,507	100.0%

Instructions		Maximum Applied Water Allowance Calculations for New and Rehabilitated Non-Residential Landscapes	
		Enter value in Pale Blue Box	
Cells with pale blue background are for entering data			
Results shown in cells with tan background			
Landscapes are grouped as follows: cells with yellow background			
1 Select city by clicking on listed LA			
2 Enter square footage of drop-irrigated landscape area			
3 Enter square footage of drip-irrigated landscape area			
4 Enter square footage of drop-irrigated landscape area			
5 Enter square footage of Special Landscape Area (SLA)			
6 MWWH results appear in the tan cells			
7 If you are considering effective precipitation (Eppn), enter total annual precipitation			
8 For comparison, MWWH results without effective precipitation is displayed below			
MWWH without Eppn (Gallons)	31,429.83		

Maximum Applied Water Allowance Calculations for New and Rehabilitated Non-Residential Landscapes											
Enter value in Pale Blue Box											
Tan Cells Show Results											
Click on the blue cell on right to Pick City Name E.T. of City/Town/Appendix A	<table border="1"> <thead> <tr> <th>City/Name</th> <th>Items of City</th> </tr> </thead> <tbody> <tr> <td>40.00 E.T. (inches/year)</td> <td>1</td> </tr> <tr> <td>2 Overhead Landscapes Area (ft²)</td> <td>4,500</td> </tr> <tr> <td>4 Drip Landscapes Area (ft²)</td> <td>4,500</td> </tr> <tr> <td>2 SLA (ft²)</td> <td>0</td> </tr> </tbody> </table>	City/Name	Items of City	40.00 E.T. (inches/year)	1	2 Overhead Landscapes Area (ft ²)	4,500	4 Drip Landscapes Area (ft ²)	4,500	2 SLA (ft ²)	0
City/Name	Items of City										
40.00 E.T. (inches/year)	1										
2 Overhead Landscapes Area (ft ²)	4,500										
4 Drip Landscapes Area (ft ²)	4,500										
2 SLA (ft ²)	0										
Results:	Total Landscape Area = 9,000										
$E.T. = (0.4 \times (0.02 \times 4,500) + (0.4 \times 0 - 0.4 \times 0)) \times 12$	4.500										
	Gallons										
	Cubic Feet										
	HPZ										
	Acres/Inch										
	Millions of Gallons										
MWWH calculation Incorporating Effective Precipitation (Optional)											
Enter Effective Precipitation E.T. of City/Town/Appendix A	40.00 E.T. (inches/year)										
Total Landscape Area	9,000 (ft ²)										
SLA (ft ²)	0 (ft ²)										
Total annual precipitation (inches/year)	16.00										
Enter Effective Precipitation	11.88 (gpm/25% of total annual precipitation)										
Results:	36,872 Gallons										
without Eppn: $E.T. = (0.4 \times (0.02 \times (0.4 \times 4,500) + (0.4 \times 0 - 0.4 \times 0)) \times 12$	4,529.83 Cubic Feet										
	49.89 HPZ										
	8.11 Acres/Inch										



Estimated Total Water Use
Equation: ETWO = ET_a × 0.82 × (IUP × HGRF) + B_{AG} Considering Irrigation ETWB = ET_a × 0.82 × (IUP × HGRF) + B_{AG}
Enter values in Table Data Cells

Tax Cuts Show Results
 Marginal and Rerating

Irrigation Efficiency Default Value for overhead 0.75 and drip 0.81

Plant Water Use Type	Plant Factor				
Very Low	0.1				
Low	0.3				
Medium	0.4				
High	0.7				
SLA	1.0				

Hydrozone	Select System From the Dropdown Menu click on cell below	Plant Water Use Type (SLI) Low, medium, high	Plant Factor (PF)	Hydrozone Area (HA) (PF) Without SLA	Irrigation Efficiency (IE)	(PF × HA) / IE
Zone 1	Drip	Low	0.30	454	0.75	157
Zone 2	Drip	Medium	0.40	16	0.81	66
Zone 3	Drip	Low	0.30	1432	0.75	592
Zone 4	Drip	Low	0.30	106	0.81	37
Zone 5	Drip	Low	0.30	366	0.75	149
Zone 6	Drip	Medium	0.40	146	0.81	57
Zone 7	Drip	Low	0.30	366	0.75	273
Zone 8	Drip	Low	0.30	106	0.81	40
Zone 9	Drip	Low	0.30	1068	0.75	454
Zone 10		0.50	0.00	-	-	-
Zone 11		0.50	0.00	-	-	-
Zone 12		0.50	0.00	-	-	-
Zone 13		0.50	0.00	-	-	-
Zone 14		0.50	0.00	-	-	-
Zone 15		0.50	0.00	-	-	-
Zone 16		0.50	0.00	-	-	-
Zone 17		0.50	0.00	-	-	-
Zone 18		0.50	0.00	-	-	-
Zone 19		0.50	0.00	-	-	-
Zone 20		0.50	0.00	-	-	-
Zone 21		0.50	0.00	-	-	-
Zone 22		0.50	0.00	-	-	-
Zone 23		0.50	0.00	-	-	-
Zone 24		0.50	0.00	-	-	-
Zone 25		0.50	0.00	-	-	-
Zone 26		0.50	0.00	-	-	-
Zone 27		0.50	0.00	-	-	-
Zone 28		0.50	0.00	-	-	-
Zone 29		0.50	0.00	-	-	-
Zone 30		0.50	0.00	-	-	-
Zone 31		0.50	0.00	-	-	-
Zone 32		0.50	0.00	-	-	-
Zone 33		0.50	0.00	-	-	-
Zone 34		0.50	0.00	-	-	-
Zone 35		0.50	0.00	-	-	-
Zone 36		0.50	0.00	-	-	-
Zone 37		0.50	0.00	-	-	-
Zone 38		0.50	0.00	-	-	-
Zone 39		0.50	0.00	-	-	-
Zone 40		0.50	0.00	-	-	-
Zone 41		0.50	0.00	-	-	-
Zone 42		0.50	0.00	-	-	-
Zone 43		0.50	0.00	-	-	-
Zone 44		0.50	0.00	-	-	-
Zone 45		0.50	0.00	-	-	-
Zone 46		0.50	0.00	-	-	-
Zone 47		0.50	0.00	-	-	-
Zone 48		0.50	0.00	-	-	-
Zone 49		0.50	0.00	-	-	-
Zone 50		0.50	0.00	-	-	-
Zone 51		0.50	0.00	-	-	-
Zone 52		0.50	0.00	-	-	-
Zone 53		0.50	0.00	-	-	-
Zone 54		0.50	0.00	-	-	-
Zone 55		0.50	0.00	-	-	-
Zone 56		0.50	0.00	-	-	-
Zone 57		0.50	0.00	-	-	-
Zone 58		0.50	0.00	-	-	-
Zone 59		0.50	0.00	-	-	-
Zone 60		0.50	0.00	-	-	-
Zone 61		0.50	0.00	-	-	-
Zone 62		0.50	0.00	-	-	-
Zone 63		0.50	0.00	-		



- 1 PVC MAIN LINE TO BACKFLOW DEVICE
- 2 REDUCER AS REQUIRED
- 3 CABLE TO CONTROLLER SENSOR TERMINAL BOARD, PER MFG. SPECIFICATIONS
- 4 WATERPROOF WIRE CONNECTORS ON 18" LOOPED WIRES
- 5 FLOW SENSOR AS SPECIFIED
- 6 SCHEDULE 80 NIPPLES, VALVE INLET SIZE
- 7 10X15 RECTANGULAR BOXES WITH 6" EXTENSIONS AS INDICATED
- 8 MASTER CONTROL VALVE AS SPECIFIED
- 9 3" MINIMUM DEPTH, 3/8" WASHED GRAVEL
- 10 FINISHED GRADE
- 11 SUPPORT BRICKS (4) TOTAL EACH BOX



- 1 CLEAN BACKFILL-
90% COMPACTION
REQUIRED
- 2 FINISH GRADE
- 3 NON-PRESSURE
LATERAL LINE
SNAKE PIPE IN
TRENCH
- 4 PRESSURE
SUPPLY LINE
SNAKE PIPE IN
TRENCH
- 5 CONTROL WIRES-
BUNDLE AND
TAPE AT 10' O.C.
AND INSTALL
ADJACENT TO
PRESSURE
SUPPLY LINE
- 6 PROVIDE 2" MIN.
OF CLEAN
BACKFILL

1. PILOT WIRES SHALL BE A DIFFERENT COLOR FOR EACH VALVE. COMMON WIRES SHALL BE WHITE WITH A DIFFERENT COLOR STRIPE FOR EACH AUTOMATIC CONTROLLER.
2. NO SPLICES SHALL BE MADE BETWEEN CONTROLLER AND REMOTE CONTROL VALVE UNDER 500 LINEAL FEET.
3. CONTROL WIRING SEQUENCE CORRESPONDS TO OPERATING SEQUENCE OF REMOTE CONTROL VALVES AND AUTOMATIC SPRINKLER CONTROL UNIT STATION CONNECTION SEQUENCE. SEQUENCE SHOWN ON DETAIL IS FOR REFERENCE ONLY-SEE IRRIGATION PLAN FOR CORRECT VALVE SEQUENCE.



1. ALL SLEEVES TO BE SCHEDULE 40 PVC.
2. EXTEND ALL SLEEVES 12" BEYOND EDGE OF HARDSCAPING AT BOTH ENDS.
3. 24" MINIMUM COVER ON MAINLINE 3" AND LARGER

1. PIGTAIL AND LOOP CONTROL WIRE AT ALL 90° CHANGES IN DIRECTION.
2. PROVIDE A MINIMUM 10 FEET SEPARATION BETWEEN POTABLE AND RECLAIMED MAINLINE PIPING.
3. 24" MINIMUM COVER ON 3" MAINLINE AND LARGER.



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CLIENT:

AXIA ARCHITECTS

540 MENDOCINO AVENUE
SANTA ROSA, CALIFORNIA, 95401

SHEET DESCRIPTION:

IRRIGATION DETAILS,
MWEL0 CALCS.

REVISIONS:

DATE: 03/11/2025

SCALE: AS SHOWN

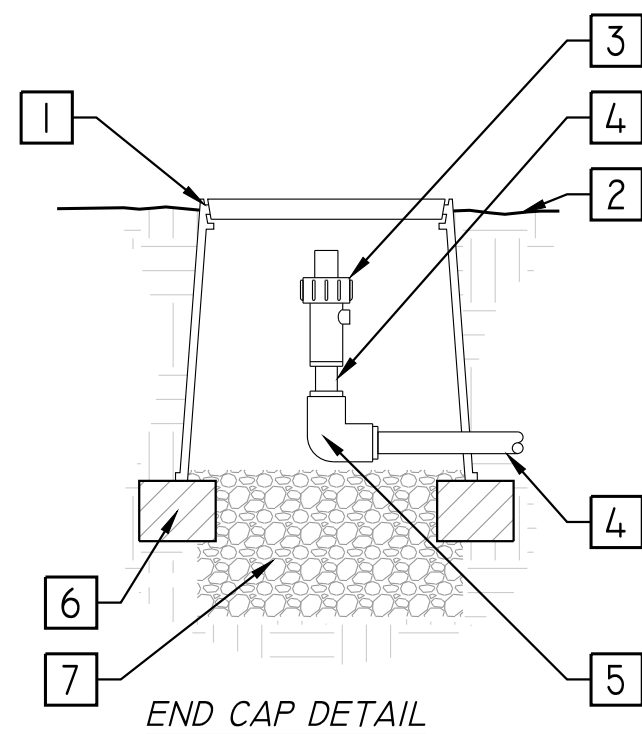
DRAWN BY: MG

CHECKED BY: _____ MAC

SHEET
NUMBER: L2.1 OF 7

PROJECT
NUMBER: 24-057.02

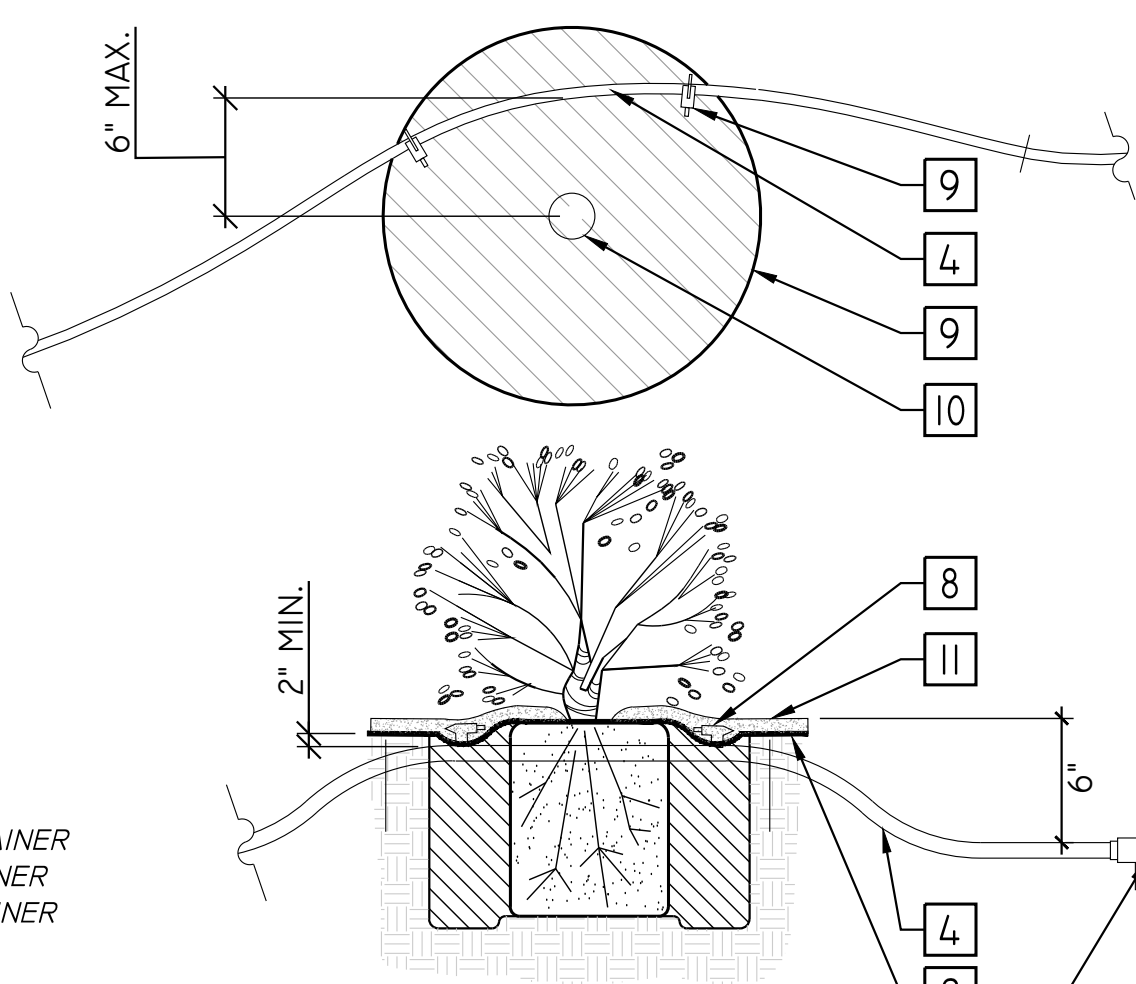
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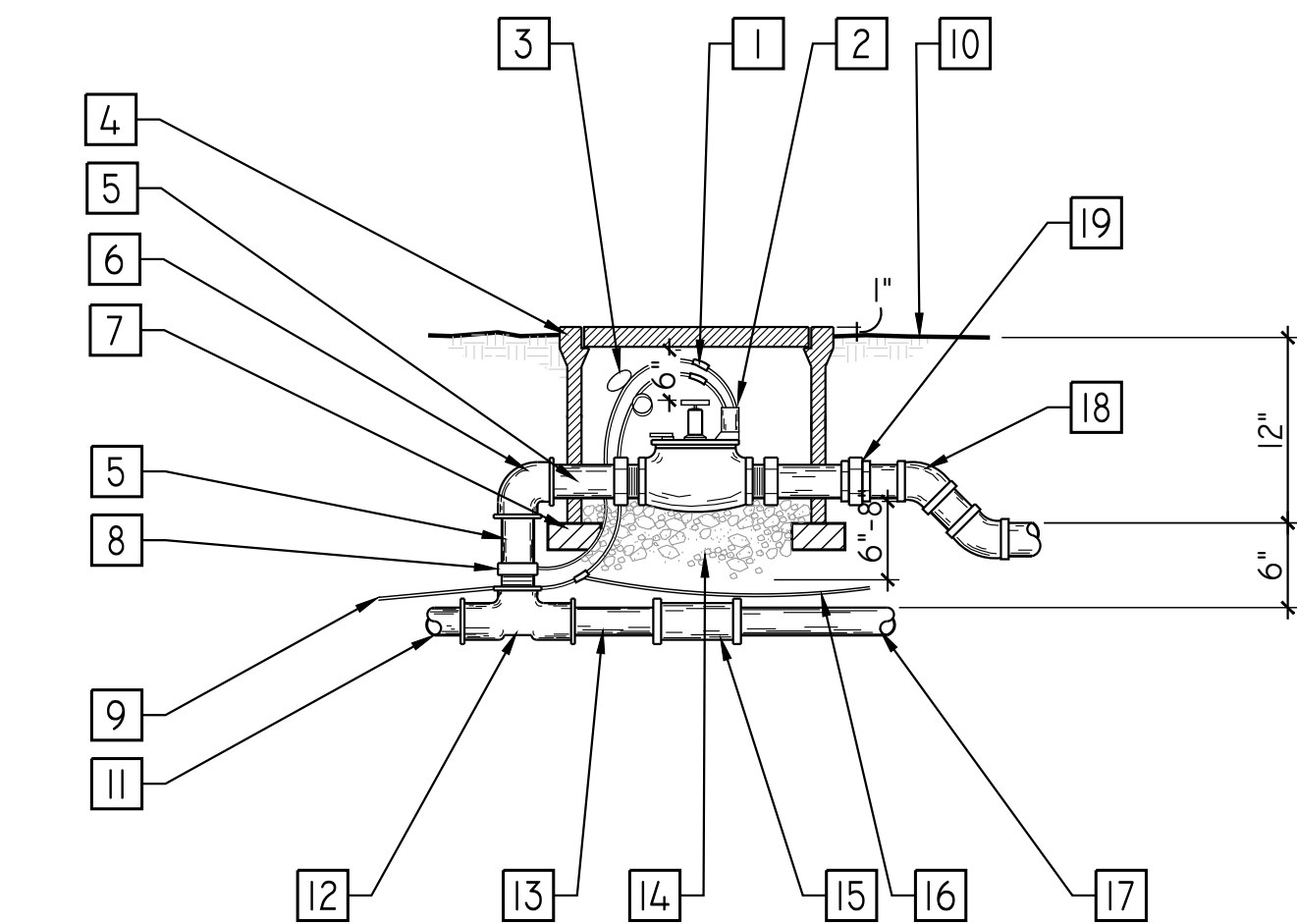
- NOTES:
- (2) 1/2 GAL./HR EMITTERS PER 1 GALLON CONTAINER
 - (2) 1 GAL./HR EMITTERS PER 5 GALLON CONTAINER
 - (3) 1 GAL./HR EMITTERS PER 15 GALLON CONTAINER
 - LAYOUT ON PLAN IS SCHEMATIC. VERIFY PLANT QUANTITIES FOR TOTAL NUMBER OF EMITTERS.

7 FLEXIBLE DRIP LINE

SCALE: N.T.S.



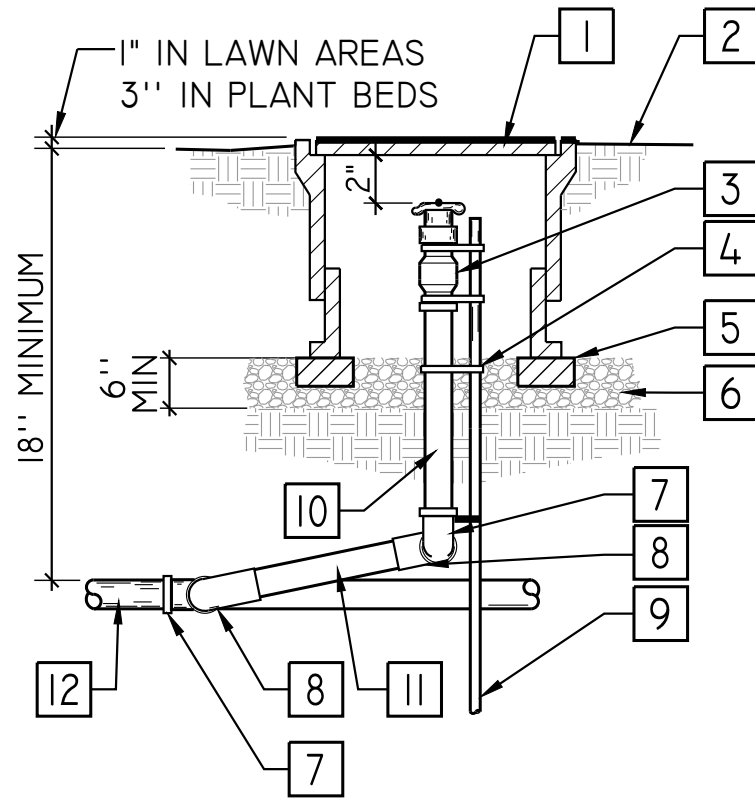
- 6" ROUND VALVE BOX
- FINISH GRADE
- AUTOMATIC FLUSH VALVE
- 5/8" FLEXIBLE DRIP TUBING
- COMPRESSION ELBOW
- BRICK SUPPORTS (3)
- 18" PEA GRAVEL
- DRIP EMITER
- EDGE OF PLANT ROOTBALL
- MAIN STEM OR TRUNK
- MULCH
- 5/8" DRIP ADAPTER
- 3/4" PVC LATERAL TEE UP TO DRIP TUBING
- 13



- APPROVED WATERPROOF WIRE CONNECTORS (TYPICAL)
- ELECTRIC CONTROL VALVE MANUFACTURER AND MODEL AS INDICATED IN LEGEND, OR APPROVED EQUAL
- LOOP THIRTY-SIX (36) INCHES EXCESS WIRE INTO EACH SINGLE BOX AND INTO ONE VALVE BOX IN EACH GROUP OF VALVES.
- VALVE BOX
- PVC SCH. 80 PIPE
- PVC SxS 90 ELL
- SUPPORT BRICKS (4) TOTAL
- PVC TxS MALE ADAPTER (TYPICAL)
- CONTROL WIRES TO CONTROLLER
- FINISH GRADE
- MAINLINE TO COUPLING
- LINE SIZED PVC TEE TO COMPRESSION COUPLING
- MAINLINE
- 3/4" WASHED AGGREGATE OR GRAVEL
- COUPLING W/ THREADED CAP AT EACH END. LOCATE COUPLING UP AND DOWN STREAM OF PVC TEE
- COMMON WIRES TO VALVES ON SAME CONTROLLER
- EXISTING MAINLINE
- LOWER LATERAL LINE WITH 40 PVC 45° ELBOWS
- SCH. 80 PVC UNION

3 REMOTE CONTROL VALVE ASSEMBLY

SCALE: N.T.S.

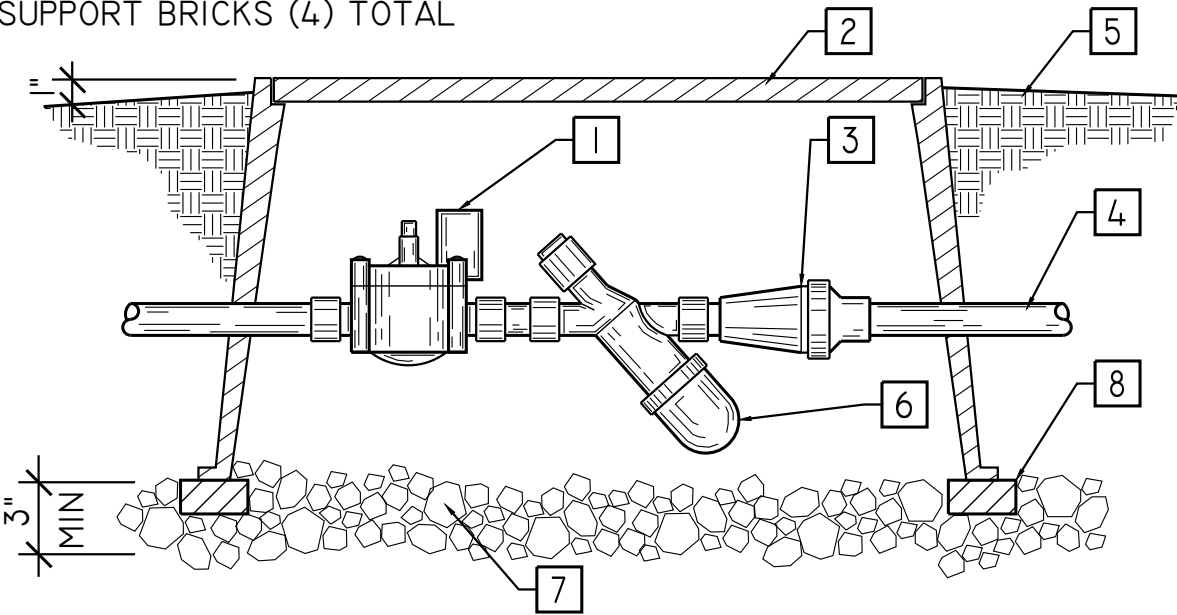


- ROUND PLASTIC VALVE BOX AND COVER- PROVIDE 6" CLEARANCE AROUND COUPLER
- FINISH GRADE
- QUICK COUPLING VALVE
- STAINLESS STEEL SCREW CLAMP MIN. THREE PLACES
- SUPPORT BRICKS (3) TOTAL
- 3/4" WASHED CRUSHED AGGREGATE BASE OR GRAVEL
- BRASS 90° ELL
- BRASS 90° STREET ELL
- 1/2" x 36" GALVANIZED STEEL STAKE
- BRASS NIPPLE
- 6" LONG BRASS NIPPLE
- PRESSURE SUPPLY LINE FITTING

5 QUICK COUPLING VALVE ASSEMBLY

SCALE: N.T.S.

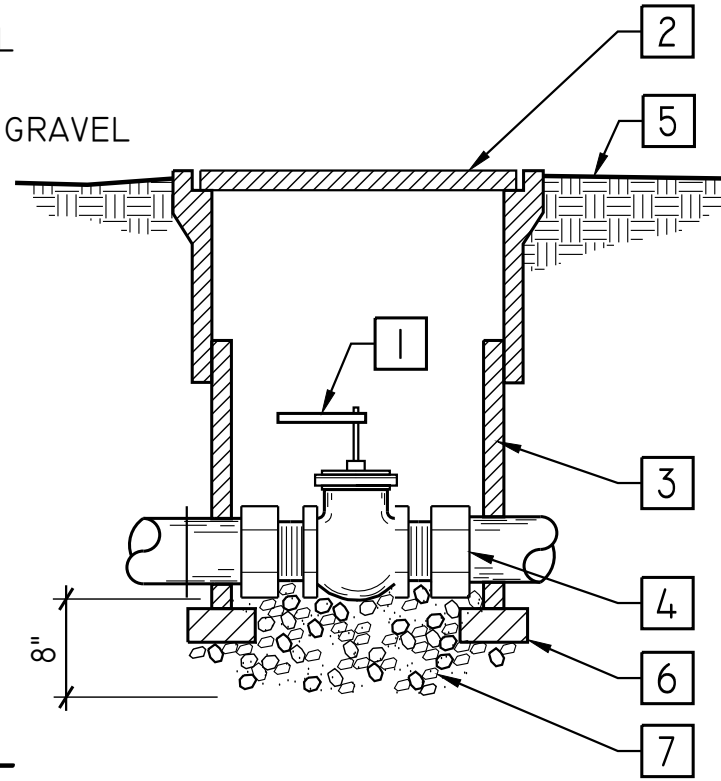
- ELECTRIC VALVE MANUFACTURER & MODEL AS INDICATED IN LEGEND, OR APPROVED EQUAL
- VALVE BOX MANUFACTURER & MODEL AS INDICATED IN LEGEND, OR APPROVED EQUAL
- PRESSURE REGULATOR
- TO EMITTER BOX
- FINISH GRADE
- "Y" STRAINER
- 3/4" WASHED AGGREGATE OR GRAVEL
- SUPPORT BRICKS (4) TOTAL



4 DRIP IRRIGATION VALVE

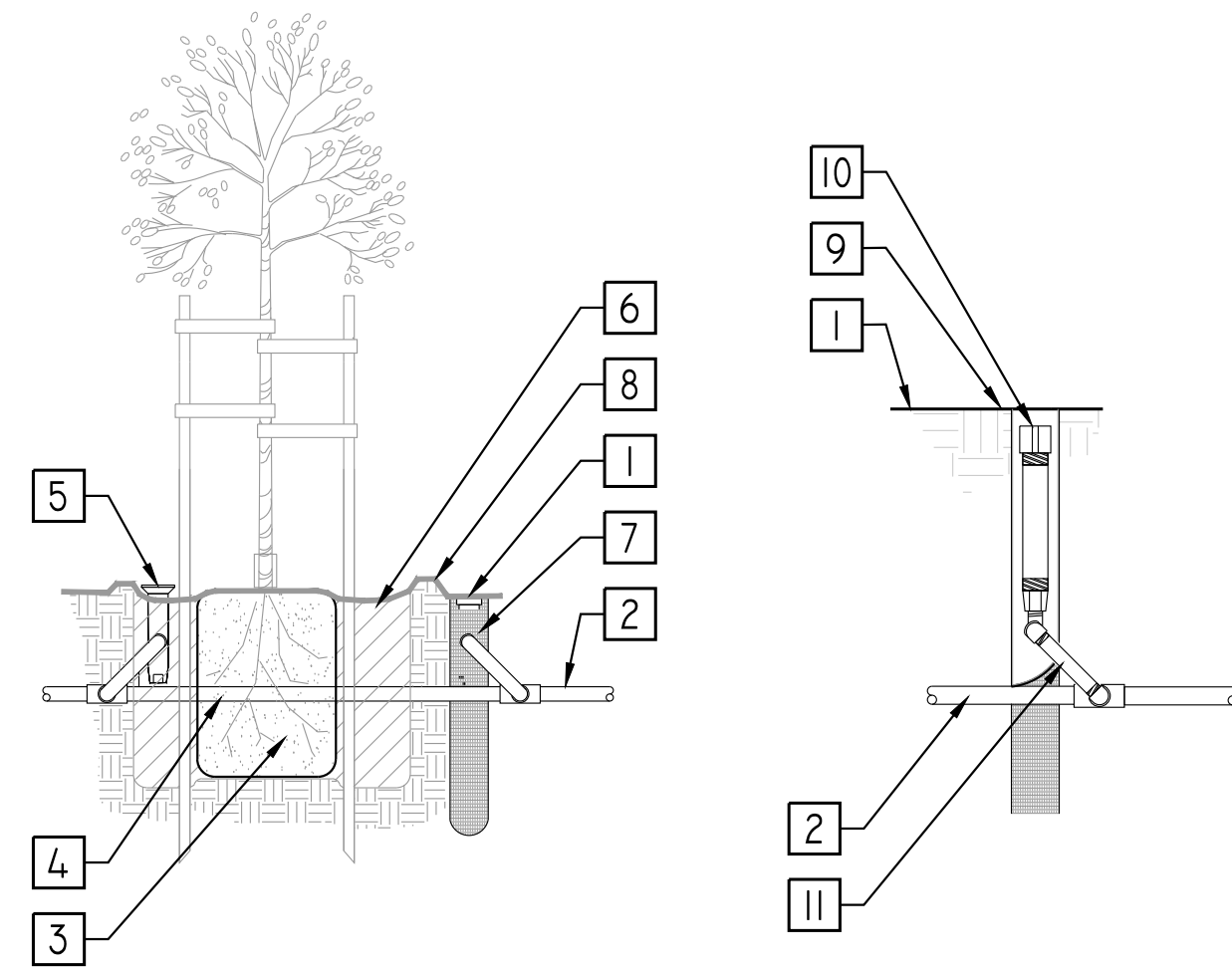
SCALE: N.T.S.

- BALL VALVE MANUFACTURER AND MODEL AS INDICATED IN LEGEND, OR APPROVED EQUAL
- ROUND VALVE BOX
- EXTENSION LENGTH AS REQUIRED
- PVC MALE ADAPTER, TYP.
- FINISHED GRADE
- SUPPORT BRICKS (3) TOTAL
- 3/4" WASHED CRUSHED AGGREGATE BASE OR PEA GRAVEL



1 BALL VALVE

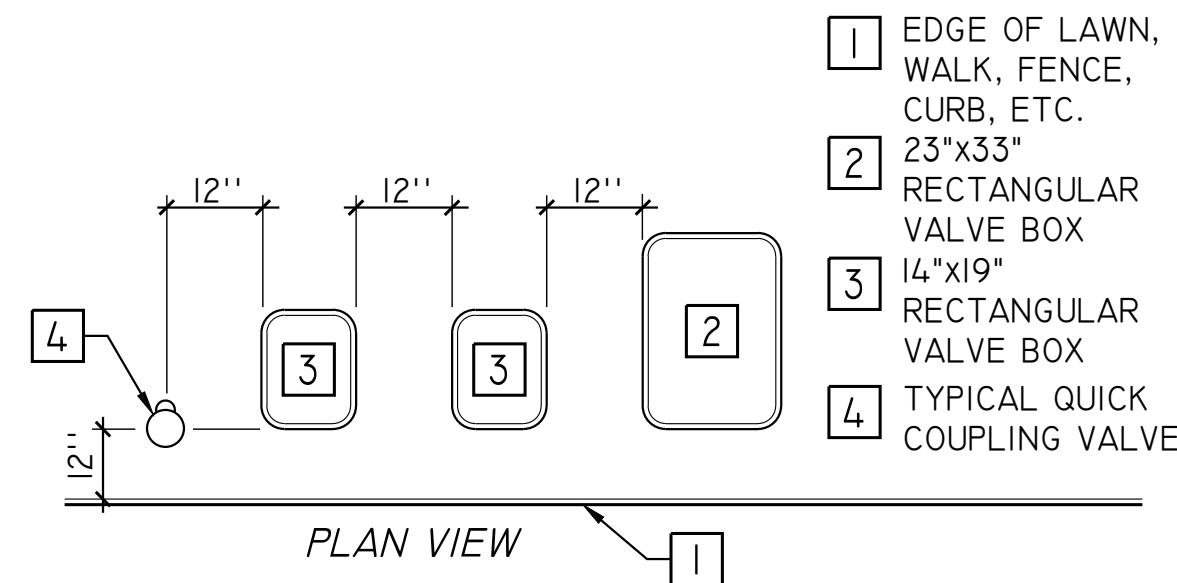
SCALE: N.T.S.



NOTES:

- INSTALL PRODUCT SO THAT THE LID IS EVEN WITH FINISH GRADE OR TOP OF MULCH.
- WHEN INSTALLING IN EXTREMELY HARD OR CLAY SOILS, ADD 3/4" GRAVEL UNDER AND AROUND THE UNIT TO ALLOW FASTER WATER INFILTRATION AND ROOT PENETRATION.
- ONCE PRODUCT HAS BEEN INSTALLED FILL THE BASKET WITH PEA GRAVEL BEFORE LOCKING LID.

- FINISH GRADE
- PVC LATERAL LINE
- ROOTBALL
- ROUTE LATERAL LINE AROUND ROOT BALL AT EDGE OF PLANTING PIT
- PLACE POP-UP STREAM BUBBLER AT EDGE OF ROOTBALL INSIDE BERM
- PLACE POP-UP FLOOD BUBBLER AT EDGE OF ROOTBALL INSIDE BERM
- SAND SOCK OUTSIDE BASIN FURTHEST AWAY FROM CURB OR HIGH SIDE OF SLOPE
- 2" BERM AT EDGE OF PLANTING PIT TO FORM BASIN
- PLACE FIRM SOIL IMMEDIATELY AROUND TUBE
- FLOOD BUBBLER IN FIXED RISER
- LOW DENSITY PIPE OR POLYETHYLENE PIPE 1/4" MIN. / 2 1/4" MAX.



NOTES:

- CENTER VALVE BOX OVER REMOTE CONTROL VALVE TO FACILITATE SERVICING VALVE.
- SET BOXES 1" ABOVE FINISH GRADE OR MULCH COVER IN GROUND-COVER/SHRUB AREA AND FLUSH WITH FINISH GRADE IN TURF AREA.
- SET PVC AND VALVE BOX ASSEMBLY IN GROUND-COVER/SHRUB AREA WHERE POSSIBLE. INSTALL IN LAWN ONLY IF GROUND-COVER DOES NOT EXIST ADJACENT TO LAWN.
- SET BOXES PARALLEL TO EACH OTHER AND PERPENDICULAR TO EDGE.
- AVOID HEAVILY COMPACTING SOIL AROUND VALVE BOXES TO PREVENT COLLAPSE AND DEFORMATION OF VALVE BOX SIDES.
- IDENTIFY VALVE BOX WITH CONTROLLER LETTER AND VALVE NUMBER USING 1/2" - 2" LETTERING.

2 VALVE BOX INSTALLATION

SCALE: N.T.S.

PROJECT:

REDWOOD CREDIT UNION
414 EAST PERKINS STREET
UKIAH, CALIFORNIA, 95482
APN #002-200-32

CLIENT:

AXIA ARCHITECTS

540 MENDOCINO AVENUE
SANTA ROSA, CALIFORNIA, 95401

SHEET DESCRIPTION:

IRRIGATION DETAILS

REVISIONS:

DATE: 03/11/2025

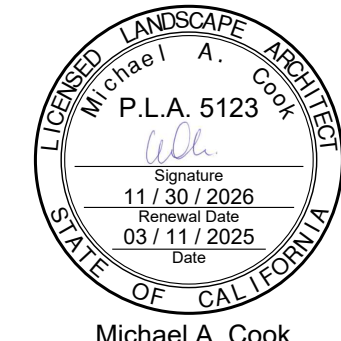
SCALE: AS SHOWN

DRAWN BY: MG

CHECKED BY: MAC

SHEET NUMBER: L2.2 OF 7

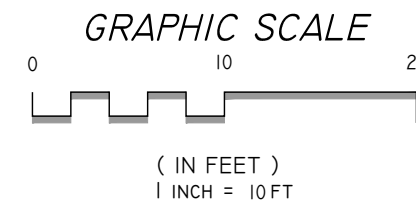
PROJECT NUMBER: 24-057.02



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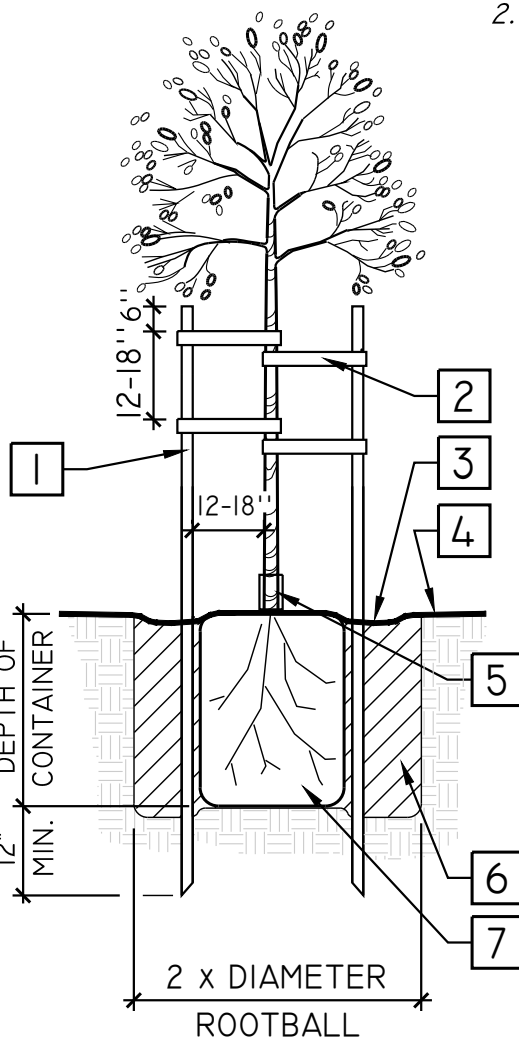


ABBREV.	BOTANICAL NAME	COMMON NAME	WUCOLS	SIZE	QTY	REMARKS/SPACING
GRASSES						
BOU GRA	BOUTELOUA GRACILIS	BLUE GRAMA	L	1 GAL.	29	2' O.C. SPACING
CAR TUM	CAREX TUMULICOLA	FOOTHILL SEDGE	L	1 GAL.	11	2' O.C. SPACING
DES CAE	DESCHAMPSIA CESPITOSA	TUFTED HAIRGRASS	L	1 GAL.	26	2' O.C. SPACING
LOM BRE	LOMANDRA L. 'BREEZE'	DWARF MAT GRASS	L	1 GAL.	3	3' O.C. SPACING
GROUNDCOVER						
	ARCTOSTAPHYLOS 'EMERALD CARPET'	MANZANITA	L	1 GAL.	-	4' O.C. SPACING
	CEANOTHUS 'CENTENNIAL'	CEANOTHUS	L	1 GAL.	-	5' O.C. SPACING
	EPILOBIUM CANUM	CAL. FUSCHIA	L	1 GAL.	-	3' O.C. SPACING
	MYOPORUM P. 'PINK'	PINK MYOPORUM	L	1 GAL.	-	6' O.C. SPACING

PARKING LOT AREA:	10,879 SQ. FEET
TREE CANOPY SHADE AREA:	7,029 SQ. FEET
PERCENTAGE COVERAGE:	64.6 %

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PREVAILING WINDS →



NOTES:

1. CROWN OF ROOTBALL TO BE 1" ABOVE FINISH GRADE.
 2. FOR ADDITIONAL INFORMATION REFER TO PLANTING NOTES AND SPECIFICATIONS.
- 1 10' LODGE POLE STAKE BOTH SIDES, 'TOMAHAWK TREE STABILIZER SYSTEM' (800) 845-3343, OR APPROVED EQUAL
 - 2 CINCH TIE, ARBOR TIE, OR APPROVED EQUAL
 - 3 A SHALLOW BASIN 2" DEEP SHALL BE FORMED AROUND BALL BELOW FINISH GRADE. TREES PLANTED IN TURF AREAS SHALL NOT HAVE BASINS.
 - 4 FINISH GRADE
 - 5 TREES INSTALLED WITHIN TURF AREAS SHALL BE INSTALLED WITH 'ARBOR-GARD' OR APPROVED EQUAL AT BASE OF TRUNK.
 - 6 BACKFILL IN ACCORDANCE WITH PROJECT AGRICULTURAL SUITABILITY SOILS REPORT
 - 7 ROOTBALL

1

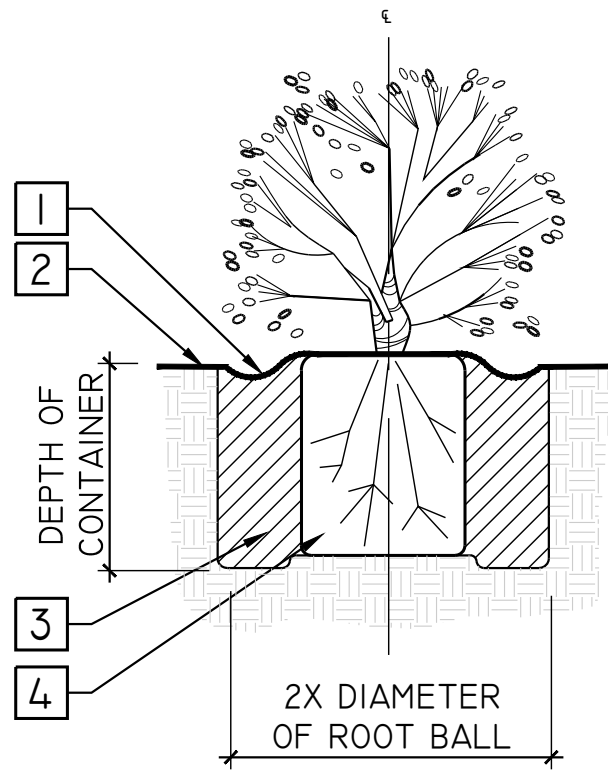
TREE PLANTING

SCALE: N.T.S.

(DOUBLE STAKE -
15 GAL. & 24" BOX)

NOTES:

1. CROWN OF ROOTBALL TO BE 1/2"-1" ABOVE FINISH GRADE.
2. FOR ADDITIONAL INFORMATION REFER TO PLANTING NOTES AND SPECIFICATIONS.



- 1 A SHALLOW BASIN 2" DEEP SHALL BE FORMED AROUND ROOTBALL BELOW FINISH GRADE
- 2 FINISH GRADE
- 3 BACKFILL IN ACCORDANCE WITH PROJECT AGRICULTURAL SUITABILITY SOILS REPORT
- 4 ROOTBALL

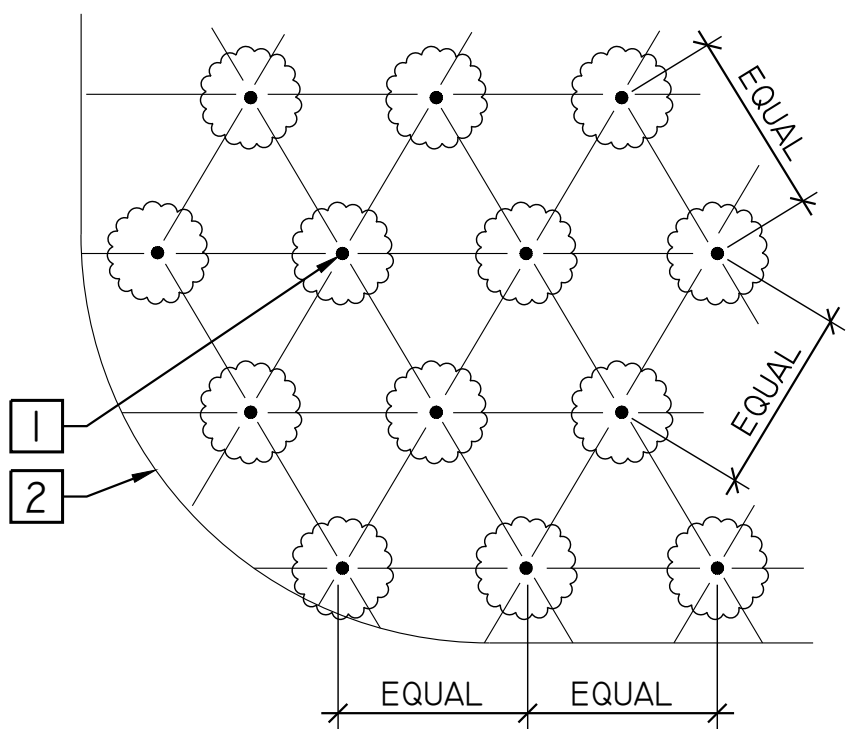
2

SHRUB PLANTING

SCALE: 1" = 1'-0"

NOTES:

1. ALL PLANTS SHALL BE PLANTED AT EQUAL SPACING (TRIANGULAR) UNLESS OTHERWISE INDICATED ON PLANS.
2. AS APPROPRIATE, CENTERLINE OF PLANTS SHALL BE 1/2 OF EQUAL SPACING MINIMUM FROM EDGE OF PLANTING AREA.
3. INFILL PLANTS AS REQUIRED TO MAINTAIN SPACING AT IRREGULAR EDGES.
4. FOR ADDITIONAL INFORMATION REFER TO PLANTING NOTES AND SPECIFICATIONS.



- 1 TYPICAL PLANT SPACING VARIES - SEE PLANT LEGEND AND/OR PLANS
- 2 EDGE OF PLANTING AREA

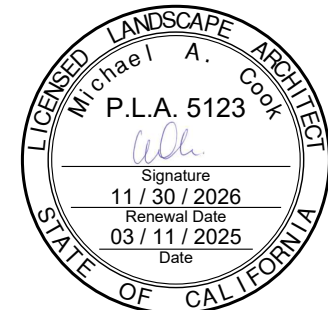
3

GROUNDCOVER SPACING

SCALE: N.T.S

PLANTING NOTES

1. CONTRACTOR SHALL BID AND INSTALL PLANTING MATERIALS PER THESE PLANS AND SPECIFICATIONS, UNLESS GIVEN FURTHER WRITTEN INSTRUCTIONS, OR WRITTEN INSTRUCTION BY LANDSCAPE ARCHITECT. WORK INCLUDES, BUT IS NOT LIMITED TO ALL LABOR, GENERAL LIABILITY INSURANCE, WORKMAN'S COMPENSATION, EQUIPMENT, AND MATERIALS NECESSARY TO FURNISH, INSTALL AND GUARANTEE PLANTING, AS SHOWN ON THE DRAWINGS AND SPECIFIED HEREIN.
2. ALL WORK SHALL CONFORM TO THE LATEST APPLICABLE CITY OF UKIAH WATER AGENCY ORDINANCES RELATING TO PLANTING AND IRRIGATION. ALL PLANT MATERIALS TO BE INSTALLED PER CITY OF UKIAH STANDARDS AND PLANTING DETAILS. THE PLANT MATERIALS SHALL CONFORM TO THE PLANT LEGEND SPECIFICATION FOR SIZE & LATEST EDITION OF THE AMERICAN NURSERYMAN STANDARDS.
3. PRIOR TO REMOVING ANY PLANTS, CONTRACTOR SHALL OBTAIN APPROVAL OF OWNER AND LANDSCAPE ARCHITECT TO DETERMINE SPECIMENS TO REMAIN OR BE TRANSPLANTED. ALL PLANTING AREAS ARE TO BE FREE OF DELETERIOUS MATERIALS AND WEEDS PRIOR TO PLANTING.
4. A MINIMUM 3" LAYER OF MULCH SHALL BE APPLIED ON ALL EXPOSED SOIL SURFACES OF PLANTING AREAS EXCEPT IN TURF AREAS, CREEPING OR ROOTING GROUND COVERS OR DIRECT SEEDING APPLICATIONS. MULCH SHALL BE "MINI FIR BARK" FROM DENBESTE PRODUCTS (707-485-6232), NATURAL COLOR.
5. THE CONTRACTOR SHALL MAINTAIN THE PLANTING AND IRRIGATION INSTALLATIONS FOR 60 DAYS FROM THE DATE OF FINAL ACCEPTANCE. ALL PLANT MATERIALS SHALL BE GUARANTEED FOR A MINIMUM PERIOD OF 6 MONTHS FROM DATE OF FINAL ACCEPTANCE.



Michael A. Cook
PLA 5123 Exp. 11/30/2026



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AXIA ARCHITECTS

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SHEET DESCRIPTION:

**PLANTING NOTES
AND DETAILS**

REVISIONS:

DATE: 03/11/2025

SCALE: AS SHOWN

DRAWN BY: MG

CHECKED BY: MAC

SHEET
NUMBER: **L3.1** OF 7

PROJECT
NUMBER: **24-057.02**