



- **BASE BID:**
 - IRRIGATION WATER METER PER CIVIL.
 - IRRIGATION SLEEVES PER SHEETS L201 - L250 AND SPECIFICATION SECTION 32 8424 - IRRIGATION.
 - IRRIGATION BACKFLOW PER SHEET L250, LANDSCAPE DETAIL #211 AND SPECIFICATION SECTION 32 8424 - IRRIGATION.
- **ADDITIVE ALTERNATE #1:**
 - COMPLETE IRRIGATION SYSTEM DOWNSTREAM OF P.O.C PER SHEETS L201 - L250, LANDSCAPE DETAILS #201 - #264, AND SPECIFICATION SECTION 32 8424 - IRRIGATION.

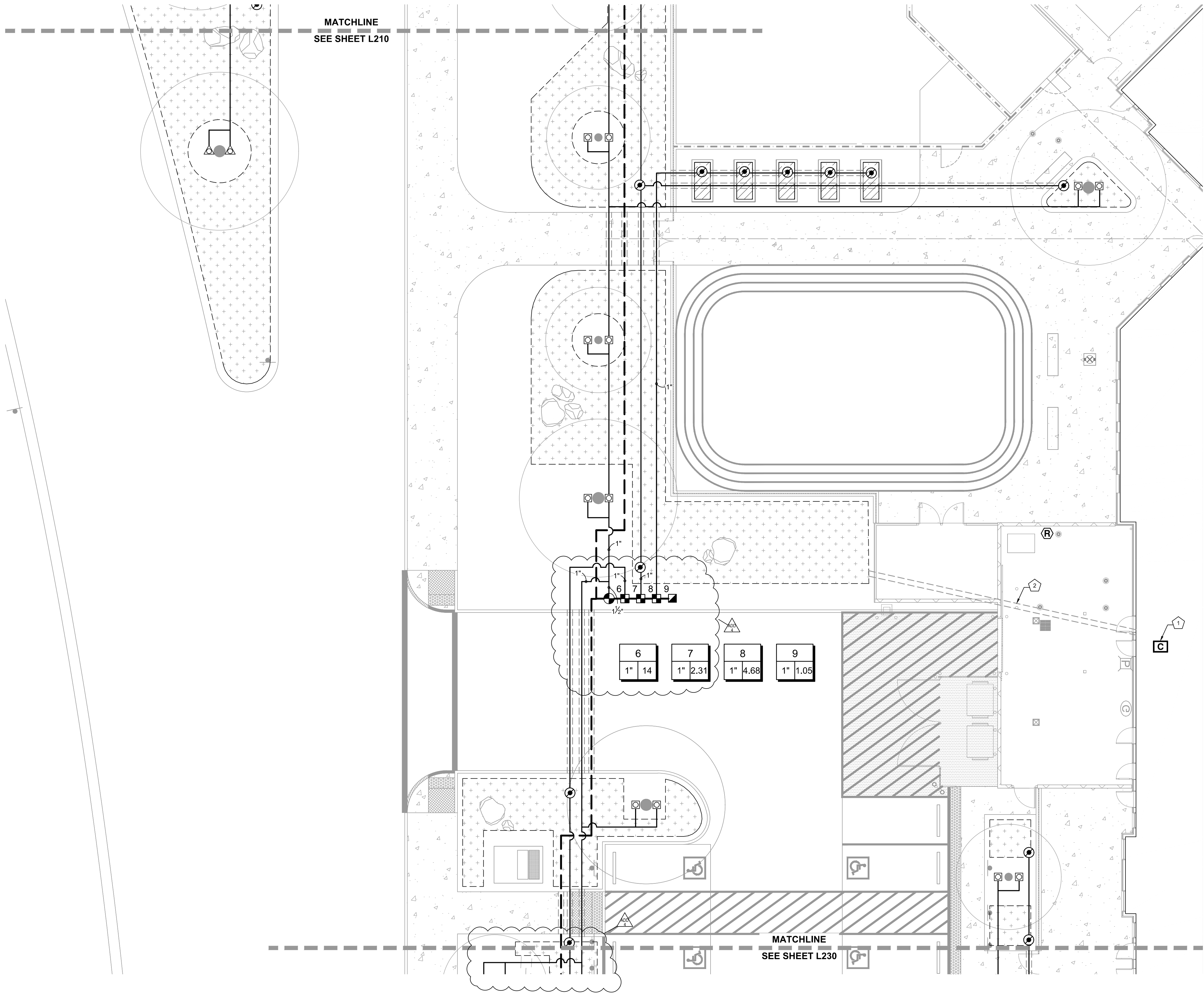
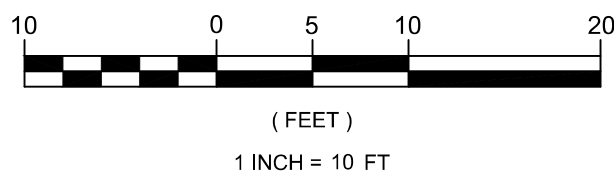
#	MODEL	TYPE	(GPM)	(IN/HR)
1	RAINBIRD PEB-IVM	ROOT WATERING SYSTEM	9.00	1.91
2	RAINBIRD XCZ-100-IVM-Q	POINT-SOURCE EMITTERS	3.09	0.11
3	RAINBIRD XCZ-100-IVM-Q	POINT-SOURCE EMITTERS	3.70	0.10
4	RAINBIRD PEB-IVM	ROOT WATERING SYSTEM	12.00	1.76
5	RAINBIRD XCZ-100-IVM-Q	POINT-SOURCE EMITTERS	2.19	0.10
6	RAINBIRD XCZ-100-IVM-Q	POINT-SOURCE EMITTERS	13.72	.09
7	RAINBIRD XCZ-100-IVM-Q	POINT-SOURCE EMITTERS	2.32	0.09
8	RAINBIRD XCZ-100-IVM-Q	POINT-SOURCE EMITTERS	4.68	0.12
9	RAINBIRD XCZ-100-IVM-Q	IN-LINE DRIP	1.05	0.96

- A. THE LANDSCAPE CONTRACTOR SHALL INSPECT THE SITE AND VERIFY CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION.
- B. INSTALL IRRIGATION SYSTEM TO COMPLY WITH THE CODES AND ORDINANCES OF ALL JURISDICTIONAL AGENCIES.
- C. IRRIGATION PLANS ARE SCHEMATIC. PLACE IRRIGATION LINES IN COMMON TRENCH WHENEVER POSSIBLE. FIELD ADJUST LINES TO AVOID CONFLICT WITH UTILITIES.
- D. UPON INSTALLATION, VERIFY BACKFLOW PREVENTION DEVICE HAS BEEN INSPECTED AND APPROVED BY THE APPROPRIATE AUTHORITY.
- E. ALL VALVES SHALL BE PLACED IN VALVE BOXES IN A MANNER WHICH FACILITATES ACCESS FOR MAINTENANCE. LOCATE VALVE BOXES IN SHRUB BEDS WHENEVER POSSIBLE.
- F. ALL COMPONENTS OF IRRIGATION SYSTEM SHALL BE INSTALLED AND ADJUSTED TO PROVIDE COMPLETE COVERAGE. CONTRACTOR IS RESPONSIBLE FOR PROVIDING A COMPLETE WORKING SYSTEM.
- G. VERIFY MINIMUM STATIC WATER PRESSURE OF 51 PSI AT POINT OF CONNECTION TO METER. NOTIFY THE LANDSCAPE ARCHITECT IF ACTUAL FIELD DATA DIFFERS FROM THIS INFORMATION.
- H. SYSTEM IS DESIGNED TO OPERATE WITH A MINIMUM OF 30 PSI AT THE FURTHEST BUBBLER FROM THE POINT OF CONNECTION AND 20 PSI AT THE FURTHEST DRIP EMITTER. HEAD AND DRIP IRRIGATION LAYOUT AND ZONES ARE BASED ON THIS DATA AND COMPONENTS SHOWN IN THE IRRIGATION LEGEND. NOTIFY THE LANDSCAPE ARCHITECT IF ACTUAL FIELD DATA DIFFERS FROM THIS INFORMATION.
- I. IRRIGATION LATERALS ARE SIZED STARTING AT THE VALVE AND CONTINUING IN THE DIRECTION OF FLOW. REDUCTION IN PIPE SIZE ARE LABELLED BEGINNING DOWNSTREAM OF NEAREST FITTING. ALL LATERALS NOT SIZED ARE MINIMUM 1 INCH OR SAME SIZE AS NEAREST ADJACENT PIPE.
- J. INSTALL ALL IRRIGATION PIPE, TUBING AND WIRE IN PVC SLEEVES BELOW ALL PAVED SURFACES AS SPECIFIED.
- K. CONTROL WIRE SHALL BE TWO-WIRE COMMUNICATION CABLE AS SPECIFIED.
- L. USE IRRIGATION COMPONENTS WITH PRE-INSTALLED CHECK VALVES AS RECOMMENDED BY MANUFACTURER TO PREVENT LOW HEAD OR EMITTER DRAINAGE WHERE REQUIRED. COMPONENTS SHALL INCLUDE, BUT ARE NOT BE LIMITED TO THE FOLLOWING: LATERAL LINES, POP-UP HEADS, DRIP EMITTERS, IN-LINE DRIP TUBING, DRIP SOURCE CONNECTION RISERS, ETC.

1
L220

IRRIGATION PLAN - AREA 2

1"=10'



IRRIGATION LEGEND

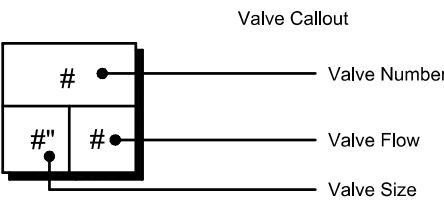
SYMBOL MANUFACTURER/MODEL/DESCRIPTION

VALVES, PIPING AND MAIN COMPONENTS

- RAIN BIRD PEB-IVM-PRS-D 1IN. CONTROL VALVE.
- RAIN BIRD XCZ-100-IVM-Q 1IN. PEB CONTROL VALVE, WITH FLOW INDICATING BASKET FILTER, REGULATED TO 40 PSI.
- RAIN BIRD 44-LRC 1IN. BRASS QUICK-COUPLING VALVE, WITH LOCKING RUBBER COVER AND 2-PIECE BODY.
- ISOLATION VALVE AS SPECIFIED.
- DRAIN VALVE AS SPECIFIED.
- RAIN BIRD PEB-IVM 1-1/2IN. ELECTRONIC CONTROL MASTER VALVE.
- 1" ZURN 950XLT DOUBLE CHECK VALVE ASSEMBLY.
- RAIN BIRD ESP-LXIVM-2WIRE (120VAC) 2-WIRE, INTEGRATED VALVE MODULE CONTROLLER- SEE ELECTRICAL PLANS.
- RAIN BIRD FS-100-B FLOW SENSOR.
- RAIN BIRD WR2RFC RAIN/ FREEZE SENSOR
- WATER METER- SEE CIVIL PLANS.
- IRRIGATION LATERAL LINE: PVC SCHEDULE 40, SIZE PER PLAN.
- IRRIGATION MAINLINE: 1-1/2" PVC SCHEDULE 40.
- PIPE SLEEVE: 4" PVC SCHEDULE 40.

BUBBLERS AND DRIP IRRIGATION

- RAIN BIRD RWS-M-B-C ROOT WATERING SYSTEM.
- AREA TO RECEIVE RAIN BIRD XBCV-05-PC POINT SOURCE EMITTERS PER DETAIL.
- AREA TO RECEIVE RAIN BIRD XFS-06-12 IN-LINE DRIP TUBING. 12" EMITTER SPACING, 12" ROW SPACING.
- PIPE TRANSITION POINT FROM PVC LATERAL TO DRIP TUBING WITH RISER.



IRRIGATION KEY NOTES:

- SEE ELECTRICAL PLANS FOR IRRIGATION CONTROLLER LOCATION.
- SEE ELECTRICAL PLANS FOR SLEEVE LOCATION AND SIZE.

DTL

D231

D232

D225

D224

D231

D211

D241

D229

D252

D263,

D264

D261

D262

BID AND PERMIT SET

KLAMATH COMMUNITY COLLEGE
CHILDCARE LEARNING CENTER

ZCS PROJECT #: K-6381-24
KLAMATH COMMUNITY COLLEGE
7390 S 6TH ST, KLAMATH FALLS, OR 97603

SHEET TITLE:

IRRIGATION PLAN
- AREA 2

REVISIONS:

1 ADD 4 08.29.2025

ISSUE DATE: 08/01/2025

L220

PIVOT
ARCHITECTURE

REGISTERED
DIGITAL SIGNATURE
Gregory T. Covey
Professional Engineer
No. 50512
Exp. 08/31/2025

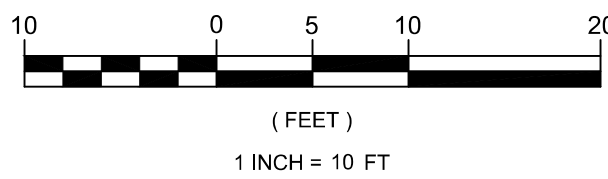
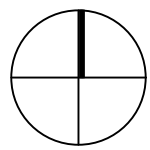
LANDSCAPE ARCHITECT
EXPIRES: 12/31/2025



1
L230

IRRIGATION PLAN - AREA 3

1"=10'



MATCHLINE
SEE SHEET L220

MATCHLINE
SEE SHEET L240

IRRIGATION LEGEND

SYMBOL MANUFACTURER/MODEL/DESCRIPTION

VALVES, PIPING AND MAIN COMPONENTS

- | | | |
|--|--|------|
| | RAIN BIRD PEB-IVM-PRS-D 1IN. CONTROL VALVE. | D231 |
| | RAIN BIRD XCZ-100-IVM-Q 1IN. PEB CONTROL VALVE, WITH FLOW INDICATING BASKET FILTER, REGULATED TO 40 PSI. | D232 |
| | RAIN BIRD 44-LRC 1IN. BRASS QUICK-COUPLING VALVE, WITH LOCKING RUBBER COVER AND 2-PIECE BODY. | D225 |
| | ISOLATION VALVE AS SPECIFIED. | |
| | DRAIN VALVE AS SPECIFIED. | D224 |
| | RAIN BIRD PEB-IVM 1-1/2IN. ELECTRONIC CONTROL MASTER VALVE. | D231 |
| | 1" ZURN 950XLT DOUBLE CHECK VALVE ASSEMBLY. | D211 |
| | RAIN BIRD ESP-LXIVM-2WIRE (120VAC) 2-WIRE, INTEGRATED VALVE MODULE CONTROLLER- SEE ELECTRICAL PLANS. | D241 |
| | RAIN BIRD FS-100-B FLOW SENSOR. | D229 |
| | RAIN BIRD WR2RFC RAIN/ FREEZE SENSOR | |
| | WATER METER- SEE CIVIL PLANS. | |

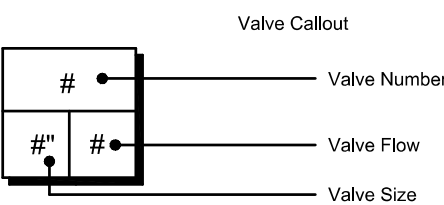
IRRIGATION LATERAL LINE: PVC SCHEDULE 40, SIZE PER PLAN.

IRRIGATION MAINLINE: 1-1/2" PVC SCHEDULE 40.

PIPE SLEEVE: 4" PVC SCHEDULE 40.

BUBBLERS AND DRIP IRRIGATION

- | | | |
|--|--|------------|
| | RAIN BIRD RWS-M-B-C ROOT WATERING SYSTEM. | D252 |
| | AREA TO RECEIVE RAIN BIRD XBCV-05-PC POINT SOURCE EMITTERS PER DETAIL. | D263, D264 |
| | AREA TO RECEIVE RAIN BIRD XFS-06-12 IN-LINE DRIP TUBING. 12" EMITTER SPACING, 12" ROW SPACING. | D261 |
| | PIPE TRANSITION POINT FROM PVC LATERAL TO DRIP TUBING WITH RISER. | D262 |



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CHILDCARE LEARNING CENTER

ZCS PROJECT #: K-6381-24
KLAMATH COMMUNITY COLLEGE
7390 S 6TH ST, KLAMATH FALLS, OR 97603

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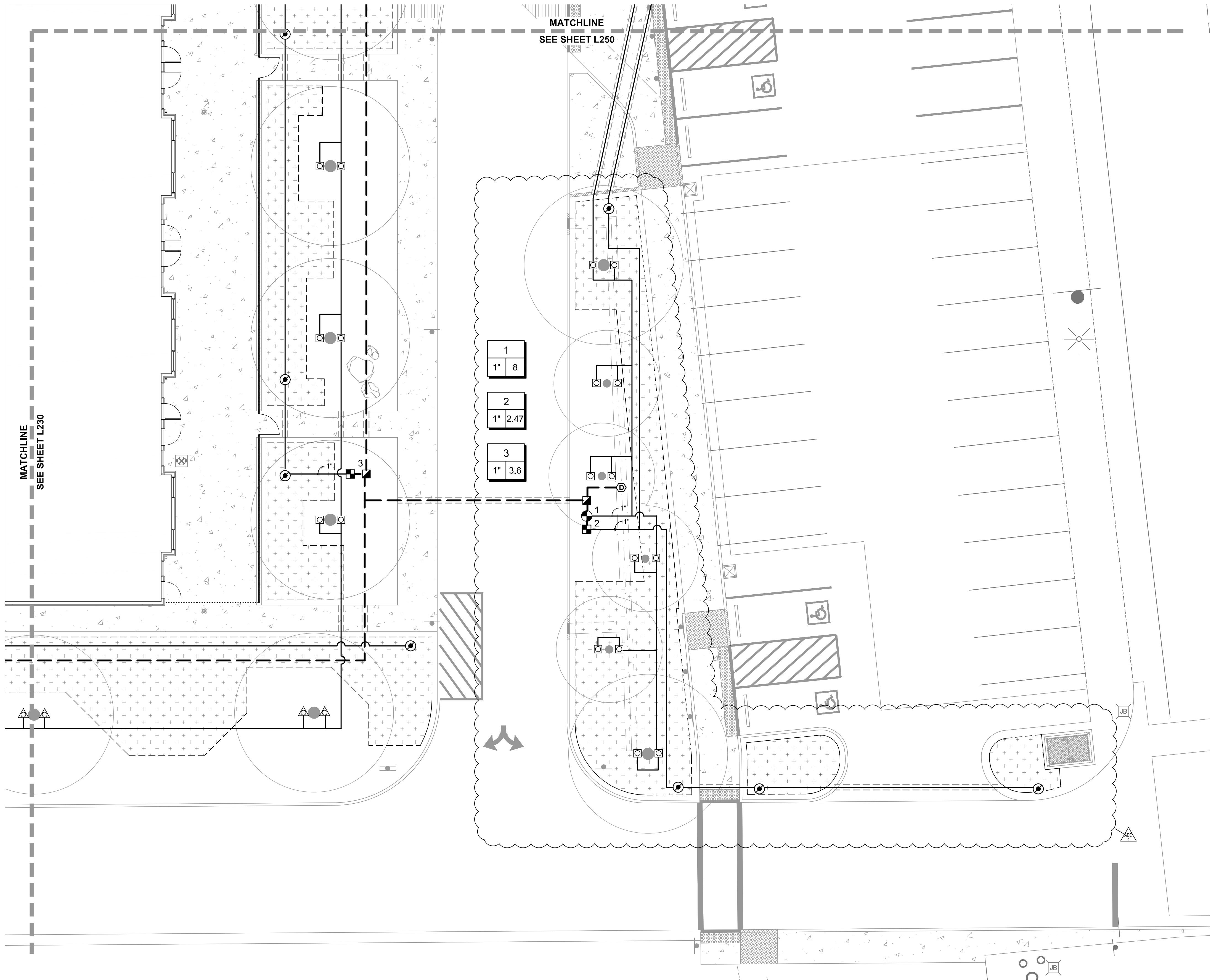
IRRIGATION PLAN
- AREA 3

REVISIONS:

1 ADD 4 08.29.2025

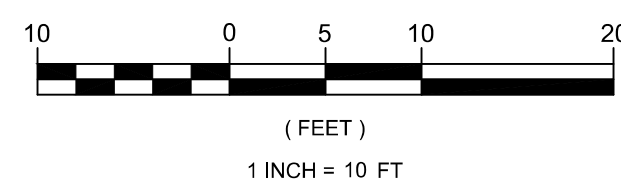
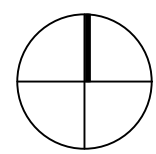
ISSUE DATE: 08/01/2025

L230



1 IRRIGATION PLAN - AREA 4
L240

1"=10'



IRRIGATION LEGEND

SYMBOL MANUFACTURER/MODEL/DESCRIPTION

VALVES, PIPING AND MAIN COMPONENTS

	RAIN BIRD PEB-IVM-PRS-D 1IN. CONTROL VALVE.	D231
	RAIN BIRD XCZ-100-IVM-Q 1IN. PEB CONTROL VALVE, WITH FLOW INDICATING BASKET FILTER, REGULATED TO 40 PSI.	D232
	RAIN BIRD 44-LRC 1IN. BRASS QUICK-COUPLING VALVE, WITH LOCKING RUBBER COVER AND 2-PIECE BODY.	D225
	ISOLATION VALVE AS SPECIFIED.	
	DRAIN VALVE AS SPECIFIED.	D224
	RAIN BIRD PEB-IVM 1-1/2IN. ELECTRONIC CONTROL MASTER VALVE.	D231
	1" ZURN 950XLT DOUBLE CHECK VALVE ASSEMBLY.	D211
	RAIN BIRD ESP-LXIVM-2WIRE (120VAC) 2-WIRE, INTEGRATED VALVE MODULE CONTROLLER- SEE ELECTRICAL PLANS.	D241
	RAIN BIRD FS-100-B FLOW SENSOR.	D229
	RAIN BIRD WR2RFC RAIN/ FREEZE SENSOR	
	WATER METER- SEE CIVIL PLANS.	
	IRRIGATION LATERAL LINE: PVC SCHEDULE 40, SIZE PER PLAN.	
	IRRIGATION MAINLINE: 1-1/2" PVC SCHEDULE 40.	
	PIPE SLEEVE: 4" PVC SCHEDULE 40.	

BUBBLERS AND DRIP IRRIGATION

	RAIN BIRD RWS-M-B-C ROOT WATERING SYSTEM.	D252
	AREA TO RECEIVE RAIN BIRD XBCV-05-PC POINT SOURCE EMITTERS PER DETAIL.	D263, D264
	AREA TO RECEIVE RAIN BIRD XFS-06-12 IN-LINE DRIP TUBING. 12" EMITTER SPACING, 12" ROW SPACING.	D261
	PIPE TRANSITION POINT FROM PVC LATERAL TO DRIP TUBING WITH RISER.	D262
	Valve Callout # Valve Number # Valve Flow # Valve Size	

BID AND PERMIT SET

KLAMATH COMMUNITY COLLEGE
CHILDCARE LEARNING CENTER

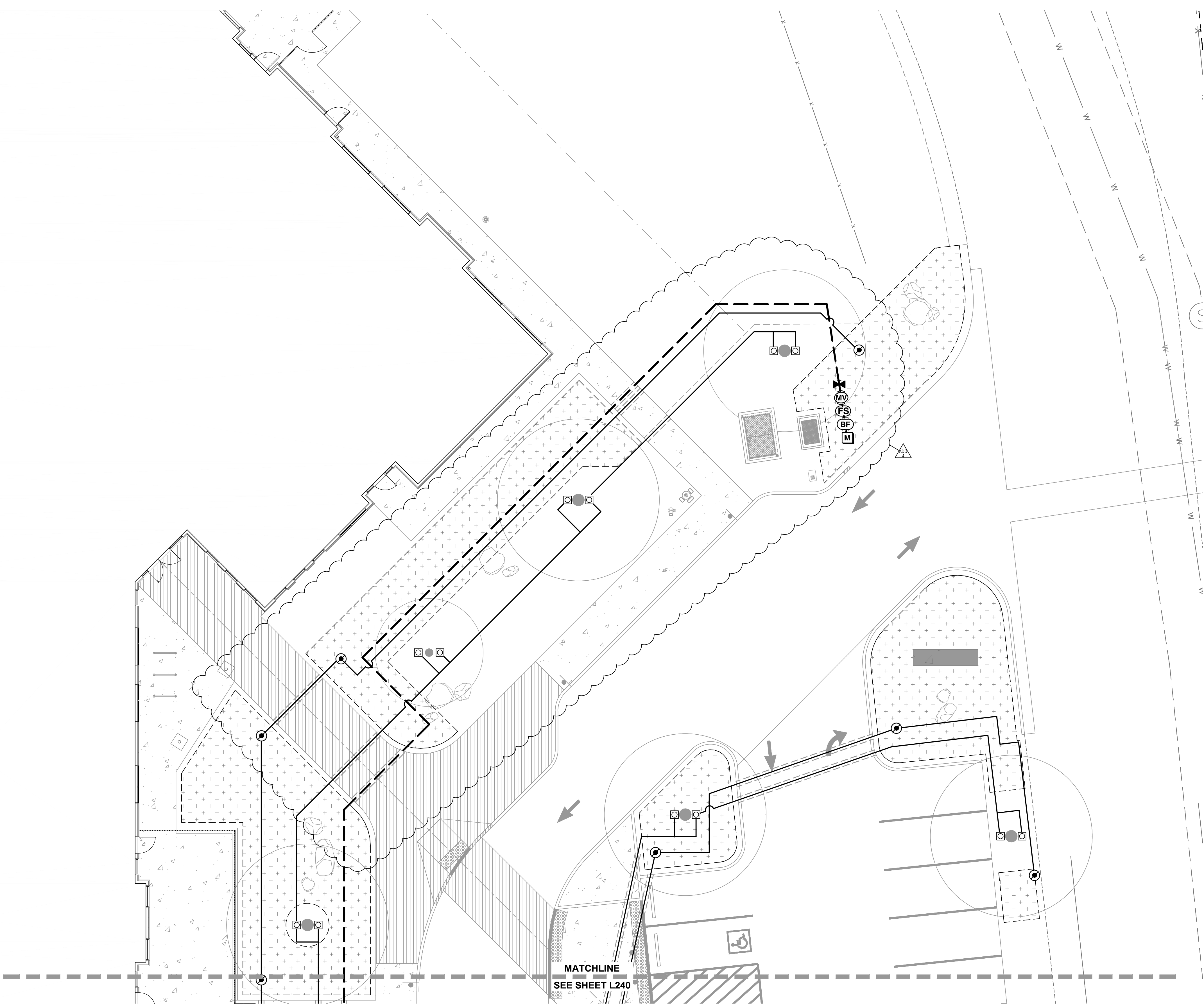
ZCS PROJECT #: K-6381-24
KLAMATH COMMUNITY COLLEGE
7390 S 6TH ST. KLAMATH FALLS, OR 97603

SHEET TITLE:
IRRIGATION PLAN
- AREA 4

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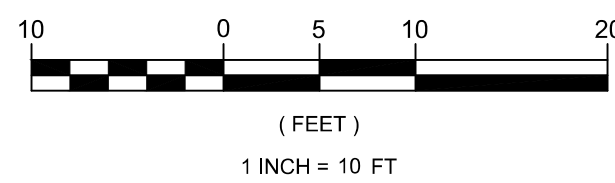
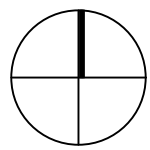
L240



1
L250

IRRIGATION PLAN - AREA 5

1"=10'



IRRIGATION LEGEND

SYMBOL MANUFACTURER/MODEL/DESCRIPTION

VALVES, PIPING AND MAIN COMPONENTS

- RAIN BIRD PEB-IVM-PRS-D 1IN. CONTROL VALVE.
- RAIN BIRD XCZ-100-IVM-Q 1IN. PEB CONTROL VALVE, WITH FLOW INDICATING BASKET FILTER, REGULATED TO 40 PSI.
- RAIN BIRD 44-LRC 1IN. BRASS QUICK-COUPLING VALVE, WITH LOCKING RUBBER COVER AND 2-PIECE BODY.
- ISOLATION VALVE AS SPECIFIED.
- DRAIN VALVE AS SPECIFIED.
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- 1" ZURN 950XLT DOUBLE CHECK VALVE ASSEMBLY.
- RAIN BIRD ESP-LXIVM-2WIRE (120VAC) 2-WIRE, INTEGRATED VALVE MODULE CONTROLLER- SEE ELECTRICAL PLANS.
- RAIN BIRD FS-100-B FLOW SENSOR.
- RAIN BIRD WR2RFC RAIN/ FREEZE SENSOR
- WATER METER- SEE CIVIL PLANS.

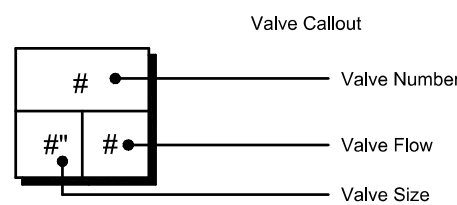
IRRIGATION LATERAL LINE: PVC SCHEDULE 40, SIZE PER PLAN.

IRRIGATION MAINLINE: 1-1/2" PVC SCHEDULE 40.

PIPE SLEEVE: 4" PVC SCHEDULE 40.

BUBBLERS AND DRIP IRRIGATION

- RAIN BIRD RWS-M-B-C ROOT WATERING SYSTEM.
- AREA TO RECEIVE RAIN BIRD XBCV-05-PC POINT SOURCE EMITTERS PER DETAIL.
- AREA TO RECEIVE RAIN BIRD XFS-06-12 IN-LINE DRIP TUBING. 12" EMITTER SPACING, 12" ROW SPACING.
- PIPE TRANSITION POINT FROM PVC LATERAL TO DRIP TUBING WITH RISER.



DTL

D231

D232

D225

D224

D231

D211

D241

D229

D252

D263,
D264

D261

D262

BID AND PERMIT SET

KLAMATH COMMUNITY COLLEGE
CHILDCARE LEARNING CENTER

ZCS PROJECT #: K-6381-24
KLAMATH COMMUNITY COLLEGE
7390 S 6TH ST. KLAMATH FALLS, OR 97603

SHEET TITLE:

IRRIGATION PLAN
- AREA 5

REVISIONS:

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L250

1 SEEDING PLAN

1"=50'

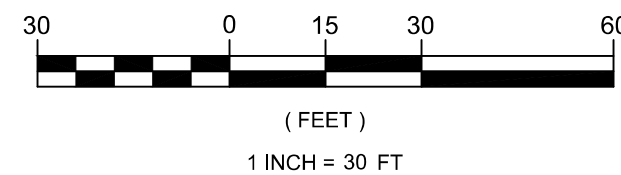
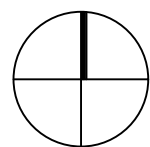


SEEDING LEGEND:
UN-IRRIGATED ROUGH SEED

1
L301

OVERALL PLANTING PLAN & SHEET KEY

1"=30'



- BASE BID:**
- SUBGRADE PREPARATION PER SPECIFICATION SECTION 32 9113 - SUBGRADE PREPARATION, PARAGRAPH 3.02
- ADDITIVE ALTERNATE #2:**
- SOIL PREPARATION PER SPECIFICATION SECTION 32 9113 - SOIL PREPARATION
 - PLANTING AND MULCH PER SHEETS L301-L350, LANDSCAPE DETAILS #301 AND #302, AND SPECIFICATION SECTION 32 9300 - PLANTING
 - RAISED PLANTERS PER LANDSCAPE DETAIL #900

PLANT LIST:

ID NAME SIZE

TREES

ACRU	ACER RUBRUM RED MAPLE	2" C
ALTE	ALNUS TENUFOLIA MOUNTAIN ALDER	1.75" C
AMAU	AMELANCHIER X 'AUTUMN BRILLIANCE' AUTUMN BRILLIANCE SERVICEBERRY	1.75" C
CRLA	CRATAEGUS LAVELLEI LAVELL HAWTHORNE	1.75" C
LITU	LIRIODENDRON TULIPIFERA TULIP TREE	2" C
MAPR	MALUS X 'PRAIRIFIRE' PRAIRIFIRE CRABAPPLE	1.75" C
PIPO	PINUS PONDEROSA PONDEROSA PINE	8" TALL
QUBA	QUERCUS ELLIPSOIDALIS 'BAILSKIES' MAJESTIC SKIES NORTHERN PIN OAK	2" C
QUGA	QUERCUS GARRYANA OREGON WHITE OAK	2" C

SHRUBS

BAPI	BACCHARIS PILULARIS 'PIGEON POINT' PIGEON POINT COYOTE BRUSH	1 GAL
CEVE	CEANOTHUS VELUTINUS SNOWBRUSH	1 GAL
CHMI	CHAEMBATARIA MILLEFOLIUM FERNBUSH	5 GAL
GOFL	CORNUS SERICEA 'FLAVIRAMEA' YELLOW TWIG DOGWOOD	1 GAL
GOKE	CORNUS SERICEA 'KELSEY' RED TWIG DOGWOOD	1 GAL
DAAB	DASIPHORA FRUTICOSA 'ABBOTSWOOD' ABBOTSWOOD BUSH CINQUEFOIL	1 GAL
ERNA	ERICAMERIA NAUSEOSA RUBBER RABBITBRUSH	1 GAL
HOMI	HOLODISCUS MICROPHYLLUS ROCK SPIREA	1 GAL
MAOR	MAHONIA 'ORANGE FLAME' ORANGE FLAME OREGON GRAPE	1 GAL
PISL	PINUS MUGO 'SLOWMOUND' SLOWMOUND MUGO PINE	5 GAL
RHGR	RHUS AROMATICA 'GRO LOW' GRO-LOW FRAGRANT SUMAC	1 GAL
RIAU	RIBES AUREUM GOLDEN CURRANT	5 GAL
ROWO	ROSA WOODSII WOODS' ROSE	1 GAL
SPAN	SPIRAEA JAPONICA 'ANTHONY WATERER' ANTHONY WATERER SPIREA	1 GAL

PERENNIALS & GRASSES

ACMO	ACHILLEA X 'MOONSHINE' MOONSHINE YARROW	1 GAL
AUSA	AURIANA SAXITALIS BASKET OF GOLD	1 GAL
CAKA	CALAMAGROSTIS X 'KARL FOERSTER' K FOERSTER FEATHER REED GRASS	1 GAL
CERU	CENTRANTHUS RUBER RED VALERIAN	1 GAL
COLA	COREOPSIS LANCEOLATA LANCELEAF COREOPSIS	1 GAL
ERLA	ERIOPHYLLUM LANATUM OREGON SUNSHINE	1 GAL
HESE	HELICTRICHON SEMPERVIRENS BLUE OAT GRASS	1 GAL
RUFU	RUDBECKIA FULGIDA BLACK-EYED SUSAN	1 GAL
SCSC	SCHIZACHYRIUM SCOPARIUM LITTLE BLUESTEM	1 GAL
SYSU	SYMPHYOTRICHUM SUBSPICATUM DOUGLAS ASTER	1 GAL

GROUNDCOVERS

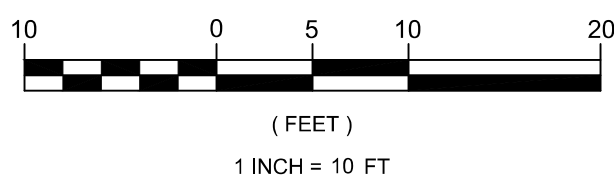
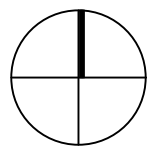
ARMA	ARCTO UVA-URSI 'MASS.' MASSACHUSETTS KINNICKINICK	1 GAL
CODA	COTONEASTER DAMMERI BEARBERRY COTONEASTER	1 GAL
COHO	COTONEASTER HORIZONTALIS ROCK COTONEASTER	1 GAL
JUWI	JUNIPERUS H. 'WILTONII' WILTON BLUE CARPET JUNIPER	1 GAL
PRBE	PRUNUS BESSEYI 'PAWNEE BUTTES' PAWNEE BUTTES SAND CHERRY	1 GAL
TECH	TEUCRIUM CHAMAEDRYS GERMANDER	1 GAL

1
L310

PLANTING PLAN - AREA 1



1"=10'



PLANTING LEGEND:

- UN-IRRIGATED ROUGH SEED - SEE SHEET L300
- CRUSHED ROCK MULCH
- BARK MULCH
- ROCK COBBLE MULCH
- ENGINEERED WOOD FIBER
- DECORATIVE BOULDERS 12-48" DIAMETER COMPETENT GRANITE

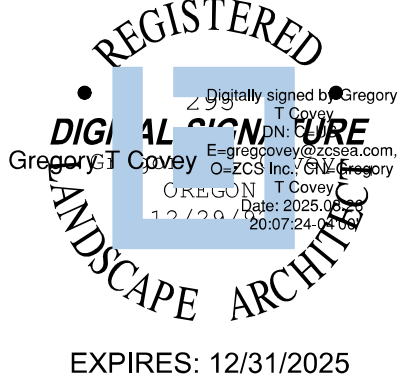
BID AND PERMIT SET
KLAMATH COMMUNITY COLLEGE
CHILDCARE LEARNING CENTER
ZCS PROJECT #: K-6381-24
KLAMATH COMMUNITY COLLEGE
7390 S 6TH ST, KLAMATH FALLS, OR 97603

SHEET TITLE:
PLANTING PLAN
- AREA 1

REVISIONS:
1 ADD 4 08.29.2025

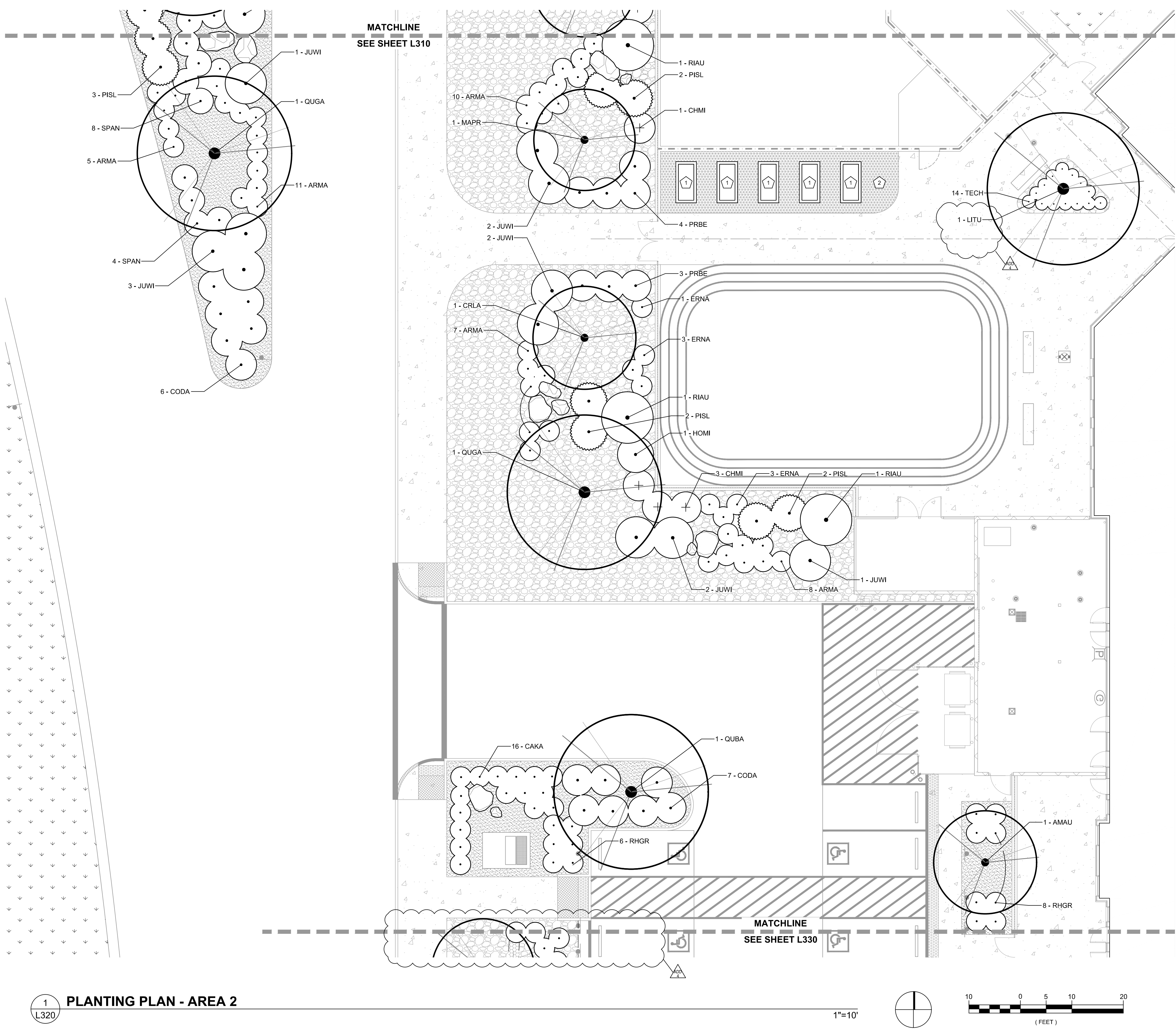
ISSUE DATE: 08/01/2025

L310



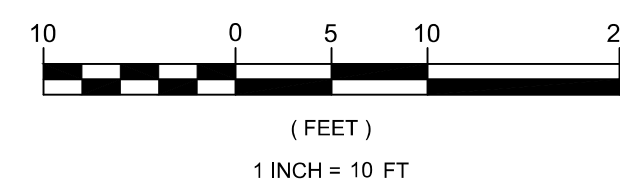
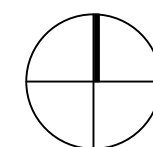
PIVOT
ARCHITECTURE







1"=10'



	UN-IRRIGATED ROUGH SEED - SEE SHEET L300
	CRUSHED ROCK MULCH
	BARK MULCH
	ROCK COBBLE MULCH
	ENGINEERED WOOD FIBER
	DECORATIVE BOULDERS

12-48" DIAMETER COMPETENT GRANITE



BID AND PERMIT SET

**KLAMATH COMMUNITY COLLEGE
CHILD CARE LEARNING CENTER**

ZCS PROJECT #: K-6391-24

KLAMATH COMMUNITY COLLEGE
7390 S 6TH ST, KLAMATH FALLS, OR 97603

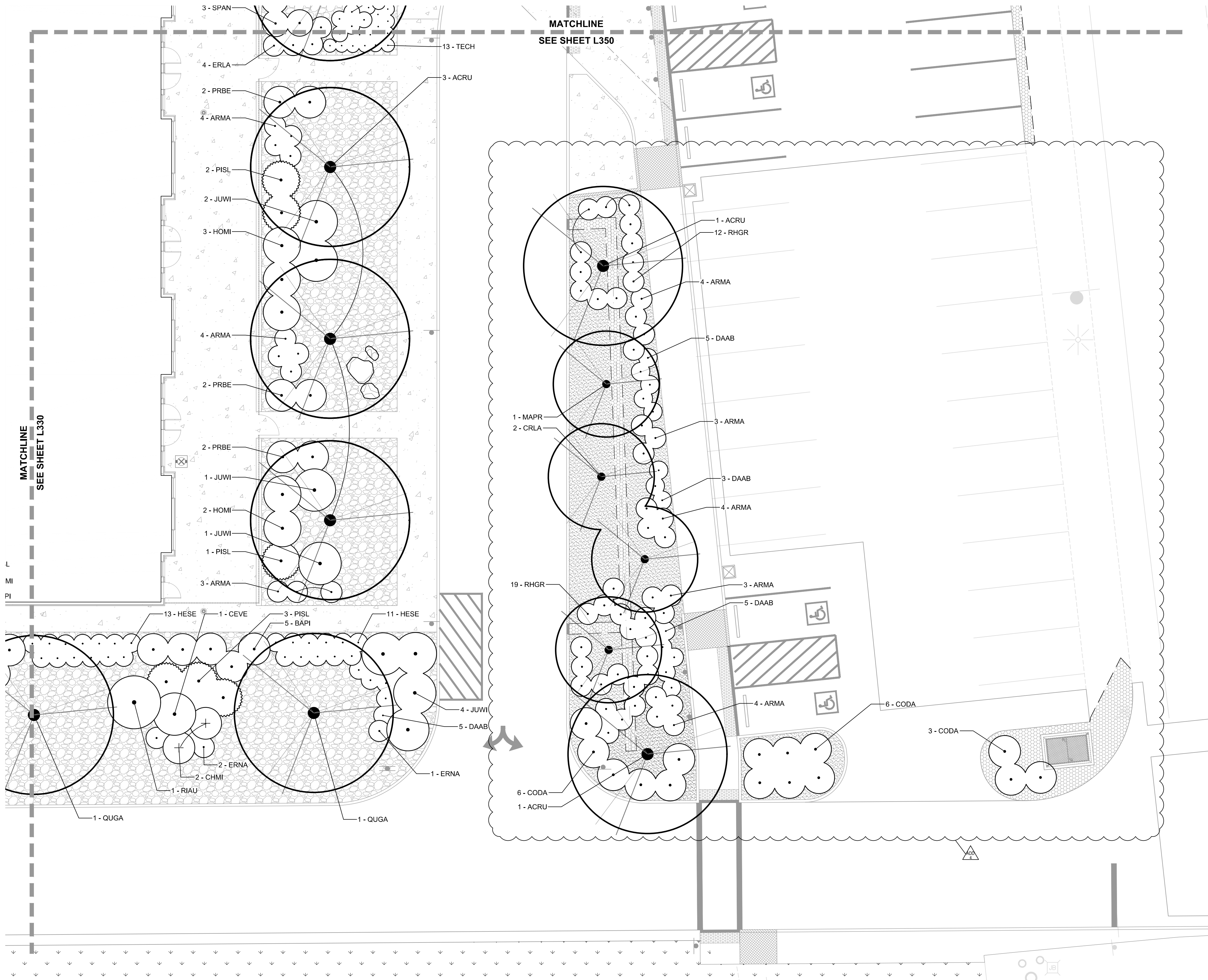
SHEET TITLE:

PLANTING PLAN
- AREA 3

REVISIONS:		
1	ADD 4	08.29.2025

ISSUE DATE: 08/01/2025

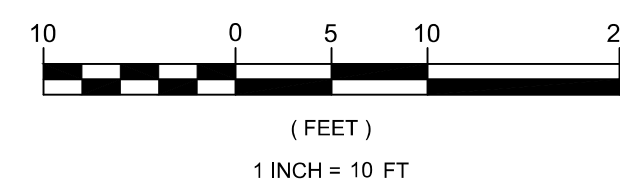
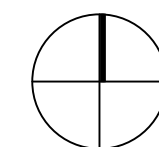
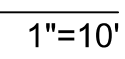
L330



1
L340
PLANTING PLAN - AREA 4

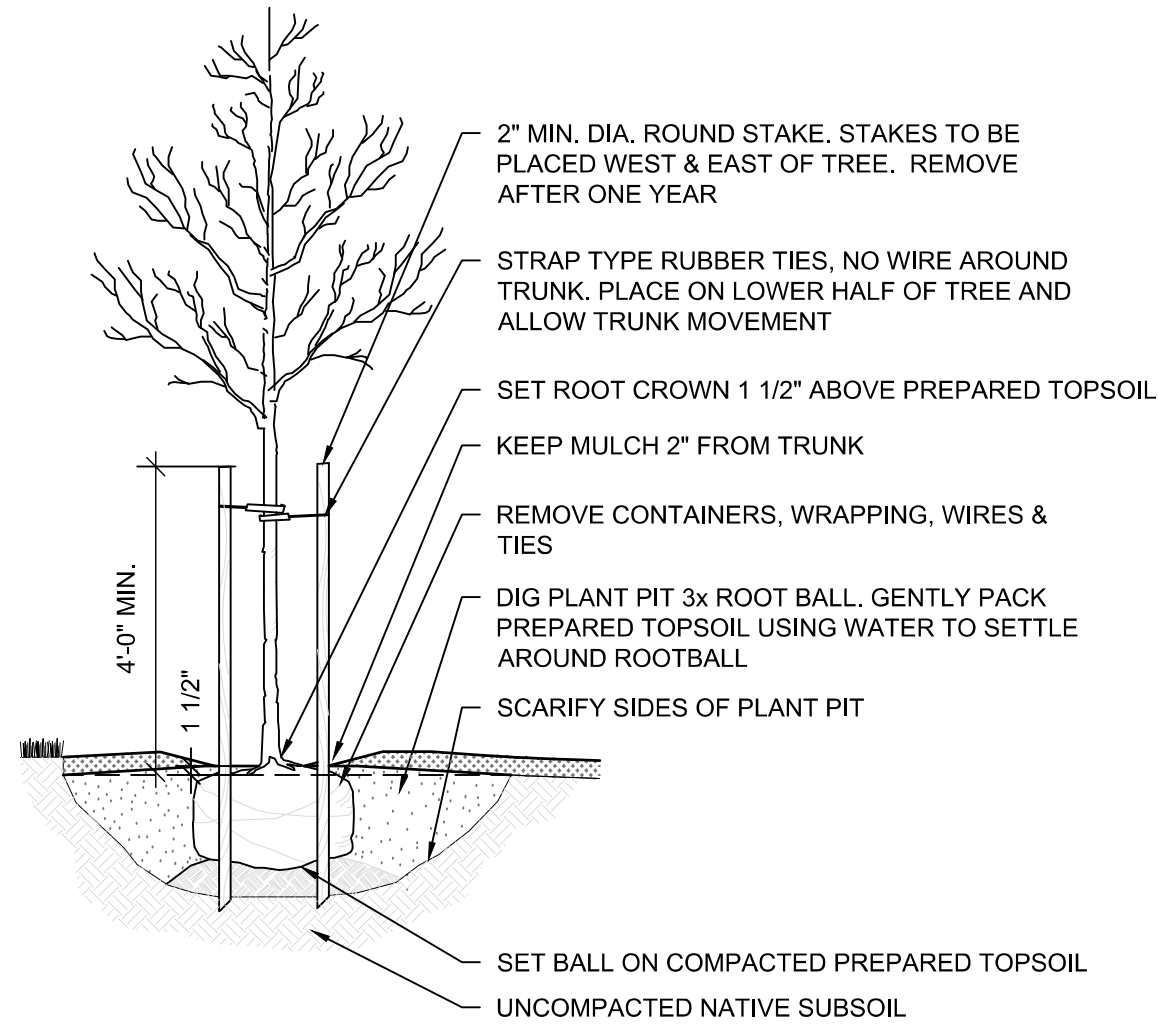
PLANTING LEGEND:

- UN-IRRIGATED ROUGH SEED - SEE SHEET L300
- CRUSHED ROCK MULCH
- BARK MULCH
- ROCK COBBLE MULCH
- ENGINEERED WOOD FIBER
- DECORATIVE BOULDERS - 12-48" DIAMETER COMPETENT GRANITE



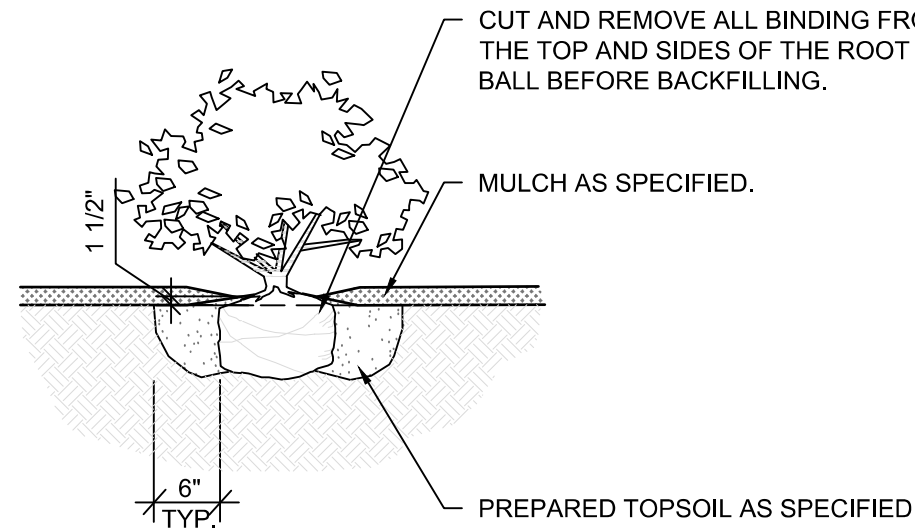
	UN-IRRIGATED ROUGH SEED - SEE SHEET L300
	CRUSHED ROCK MULCH
	BARK MULCH
	ROCK COBBLE MULCH
	ENGINEERED WOOD FIBER
	DECORATIVE BOULDERS - 12-48" DIAMETER COMPETENT GRANITE

1. MONUMENT SIGN - SEE ARCHITECTURAL PLANS.



L D301 TREE PLANTING DETAIL

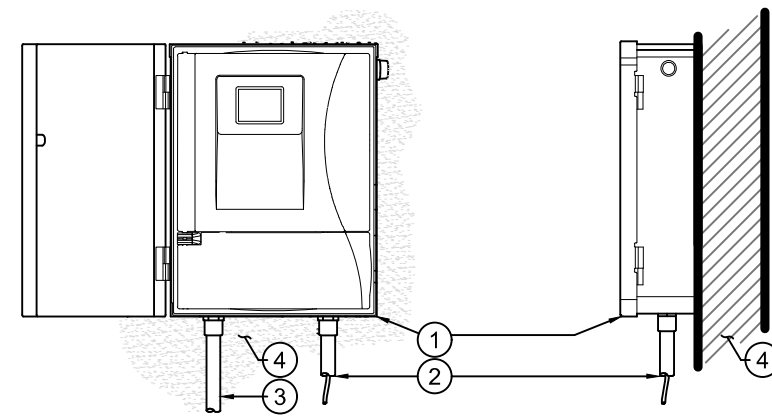
NTS



L D302 SHRUB PLANTING DETAIL

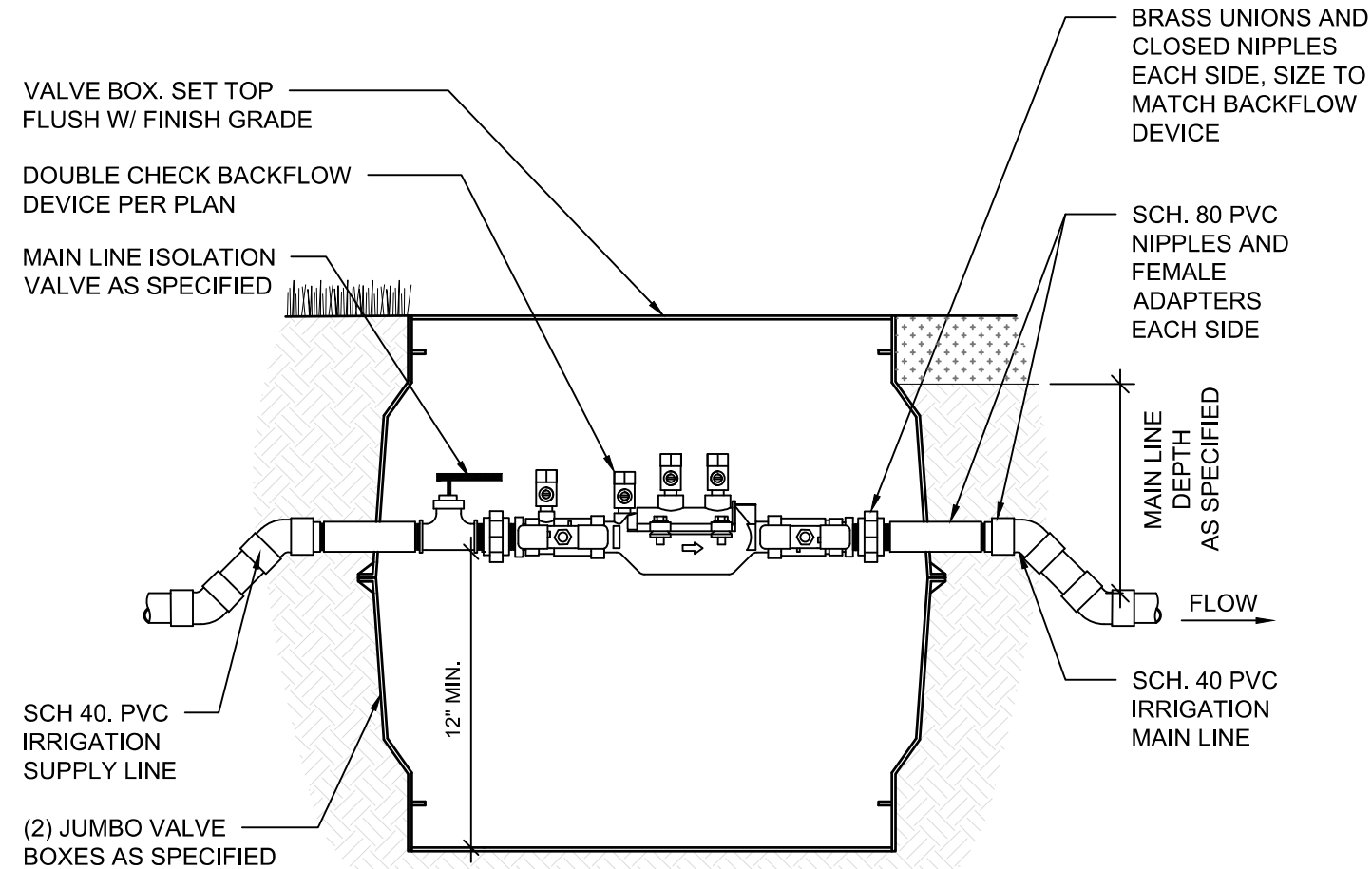
NTS

- GENERAL NOTES:
- CONTROLLER ACCEPTS 120 VOLTS A.C.
 - MOUNT CONTROLLER LCD SCREEN AT EYE LEVEL. CONTROLLER SHALL BE HARD-WIRED TO GROUNDED 110 VAC POWER SOURCE.
 - REFER TO THE MANUFACTURER'S INSTALLATION GUIDE FOR FURTHER INSTRUCTIONS.
- KEYNOTES:
- IRRIGATION CONTROLLER PER PLAN
 - IRRIGATION CONTROL WIRE IN RIGID METALLIC EMT CONDUIT -SIZE PER MANUFACTURER.
 - ELECTRICAL SUPPLY IN RIGID METALLIC EMT CONDUIT -CONNECT TO POWER SOURCE, J-BOX INSIDE CONTROLLER
 - ADJACENT SURFACE TO MOUNT CONTROLLER PER PLAN



IRRIGATION CONTROLLER

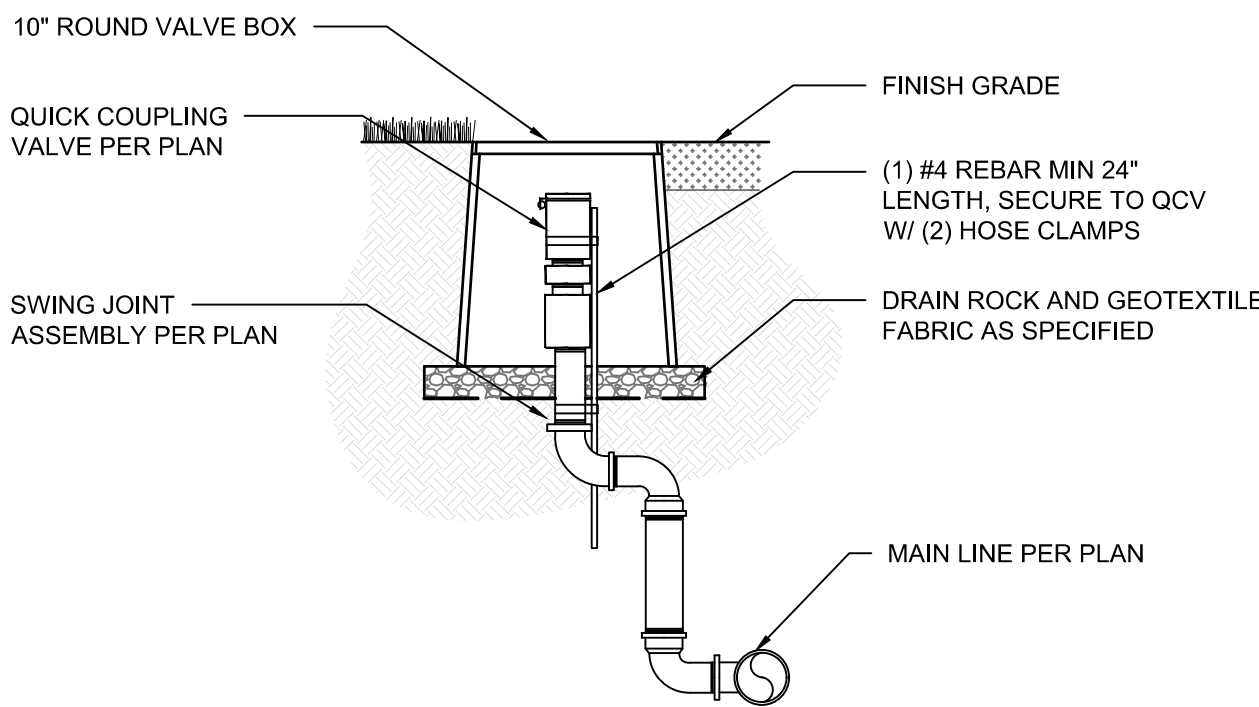
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L D211 DOUBLE CHECK VALVE ASSEMBLY

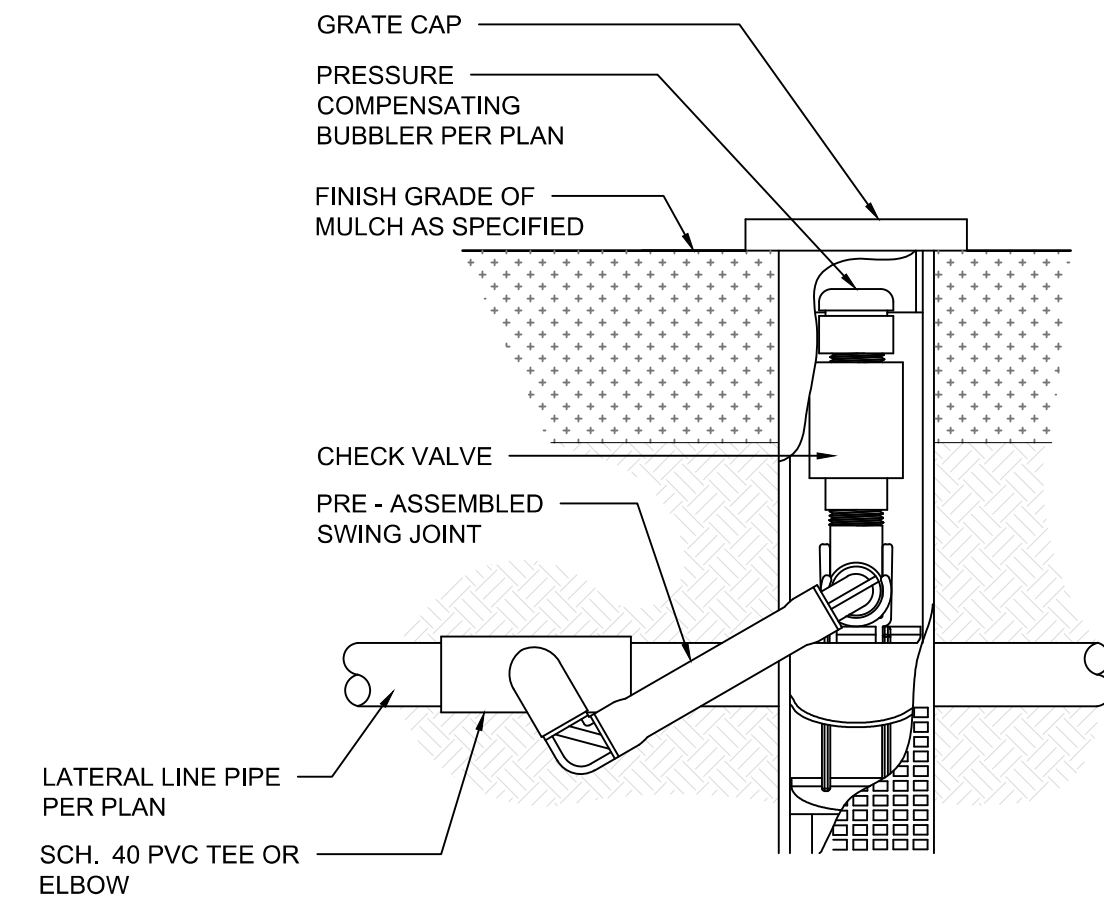
NTS

- GENERAL NOTES:
- USE TEFLON TAPE ON ALL THREADED CONNECTIONS



L D225 QUICK COUPLING VALVE

NTS



L D252 ROOT WATERING SYSTEM

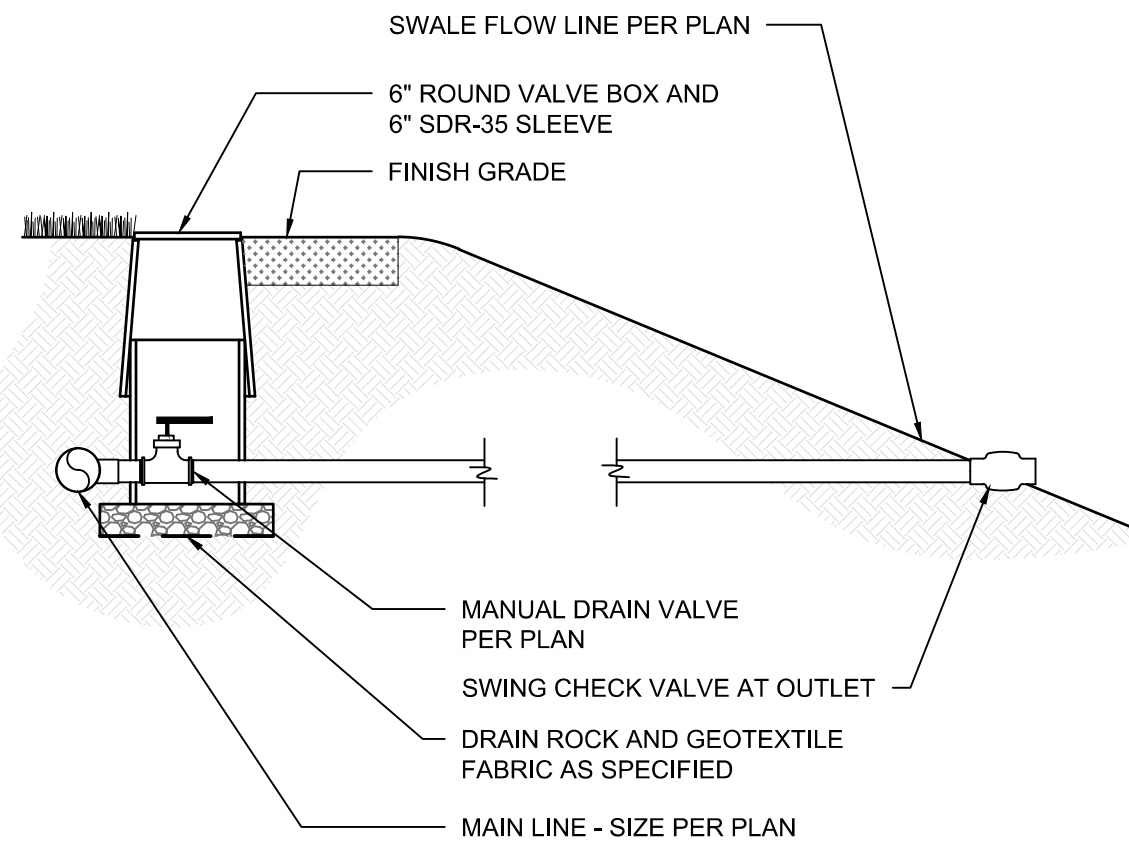
NTS

DESIGN ANALYSIS		FRICTION LOSS CALCULATION	
WATER METER SIZE	1"	CRITICAL STATION	4
SERVICE LINE SIZE	1 1/2"	LATERAL PIPING	
		LATERAL PIPING LOSS	2.92 PSI
		FITTINGS LOSS	0.39 PSI
		ELEVATION LOSS	0 PSI
		CONTROL VALVE LOSS	2.02 PSI
		MAIN LINE PIPING	
		FITTING LOSS	0.01 PSI
		MAIN LINE LOSS	0.11 PSI
		ELEVATION LOSS	0 PSI
		BACKFLOW LOSS	6.5 PSI
		MASTER VALVE LOSS	4.8 PSI
		WATER METER LOSS	0.24 PSI
		SERVICE LINE LOSS	0.4 PSI
		TOTAL FRICTION LOSS	17.98 PSI
		PRESSURE AVAILABLE	51 PSI
		MINIMUM OPERATING PRESSURE	30 PSI
		RESIDUAL PRESSURE AVAILABLE	4.02 PSI

L D201 IRRIGATION CRITICAL ANALYSIS

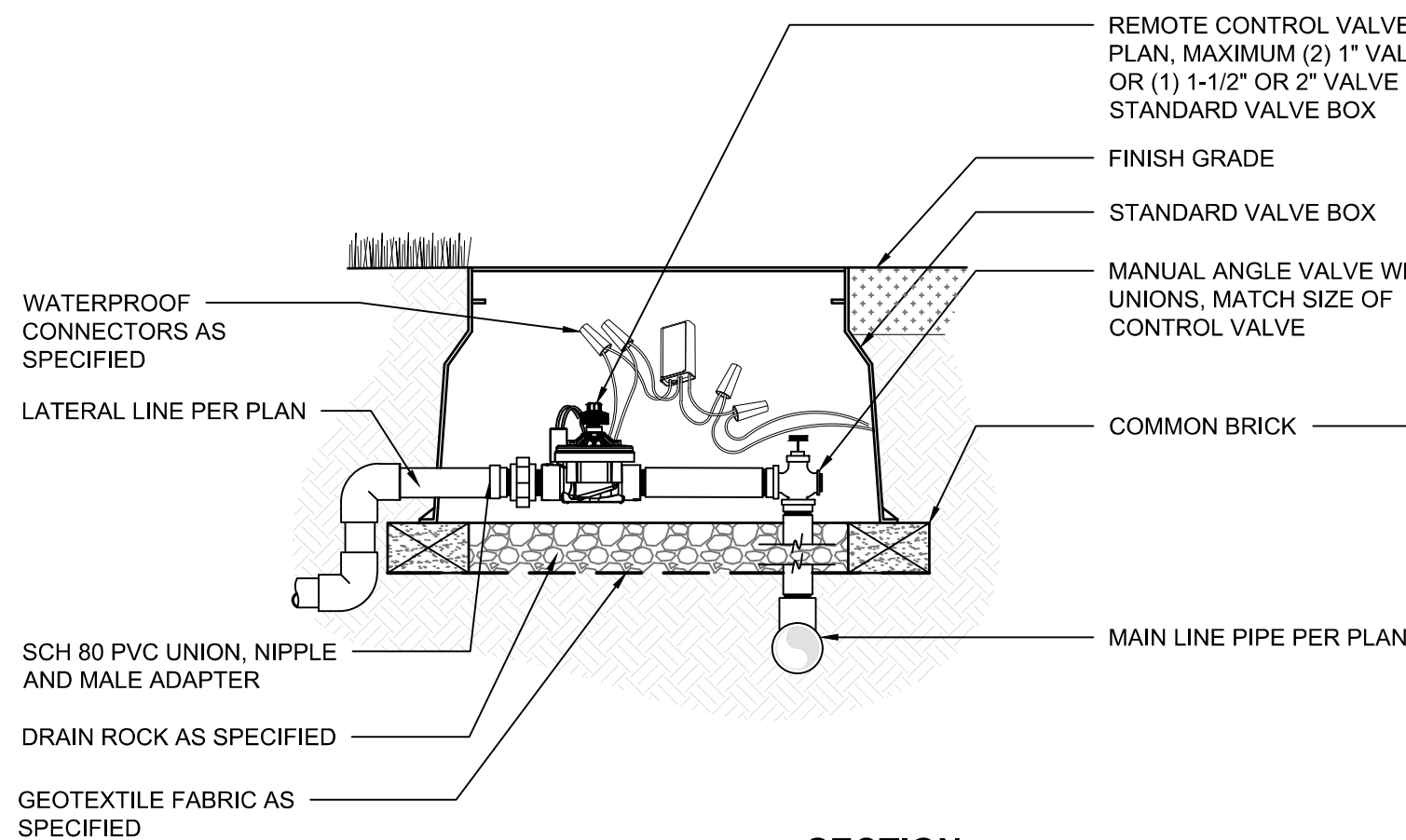
NTS

- GENERAL NOTES:
- PLACE VALVE AND VALVE BOX ON LEVEL FINISH GRADE DIRECTLY ADJACENT TO SWALE

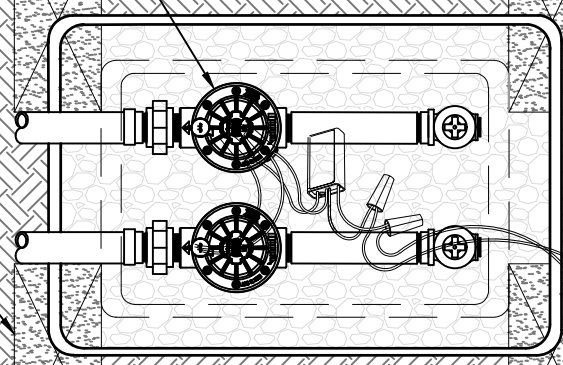


L D224 MANUAL DRAIN VALVE

NTS

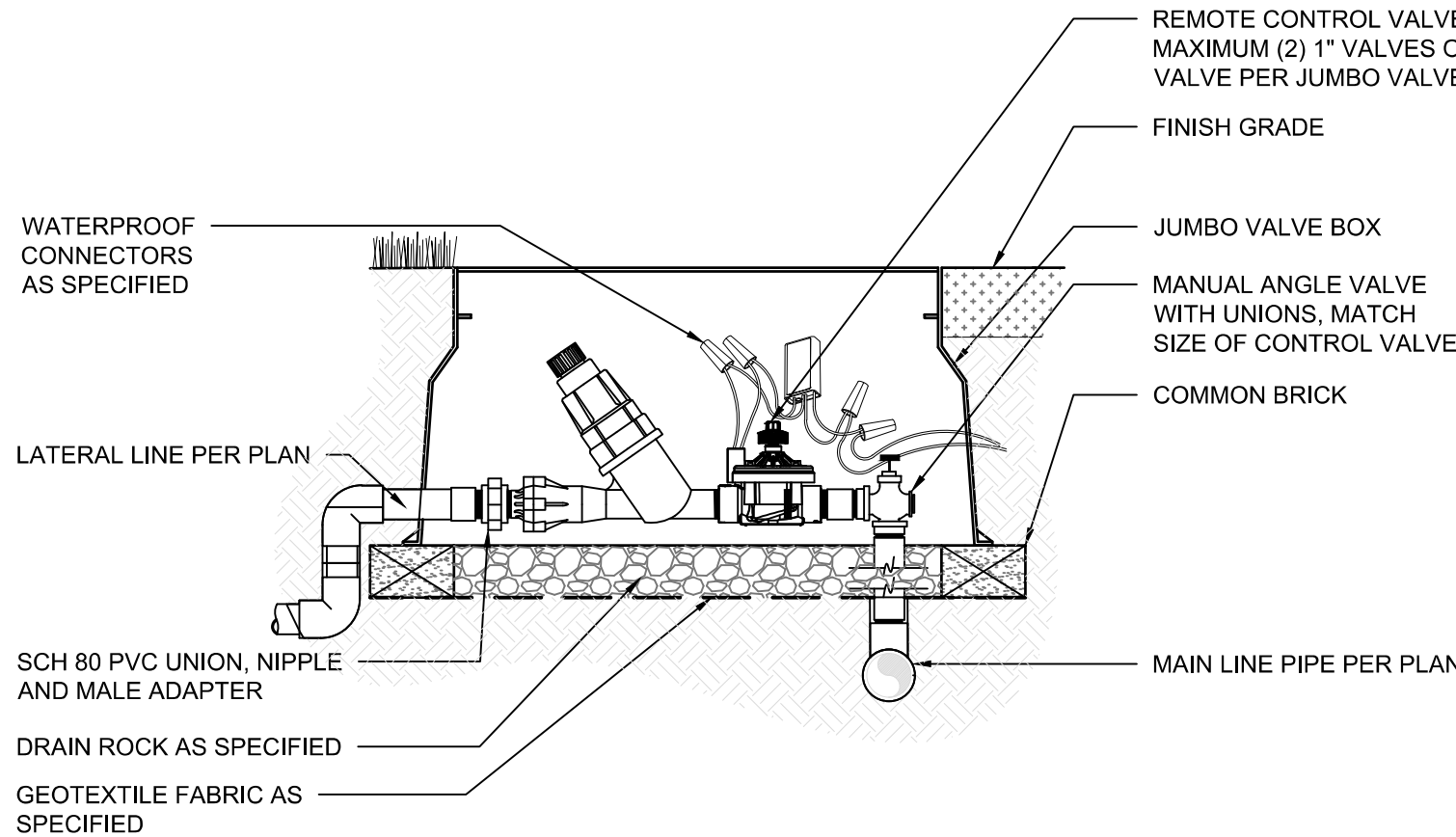


SECTION



PLAN

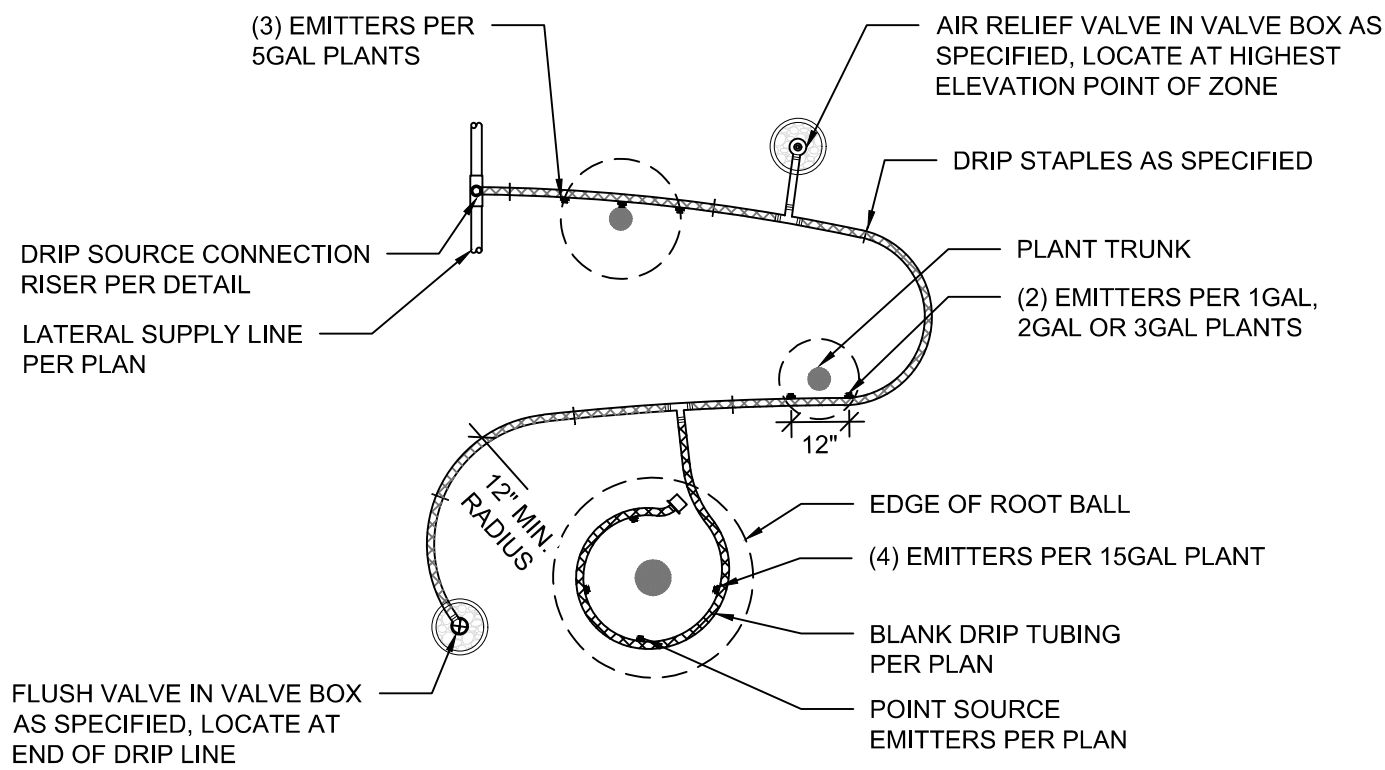
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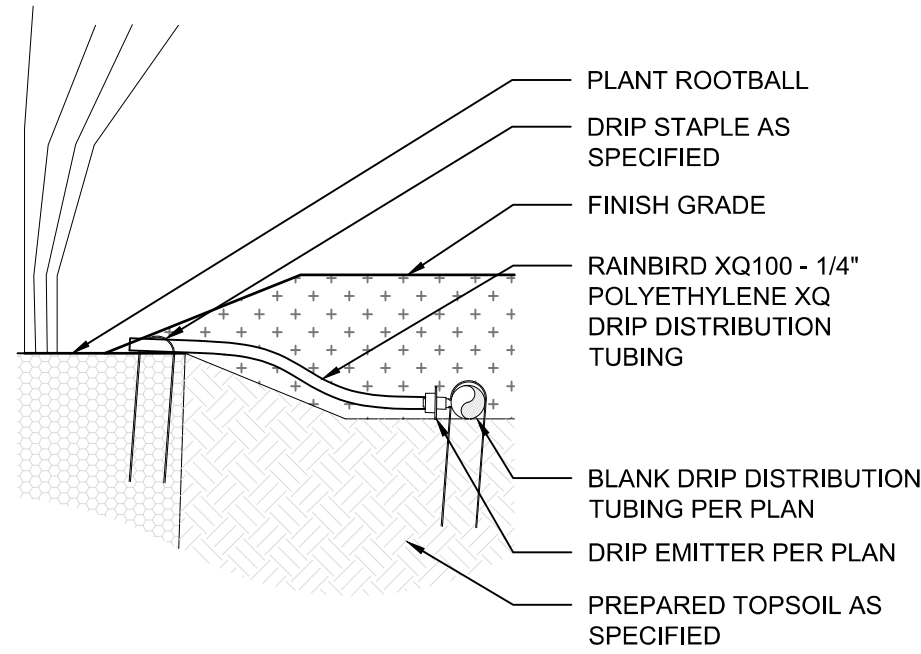
L D232 DRIP CONTROL VALVE ASSEMBLY

NTS

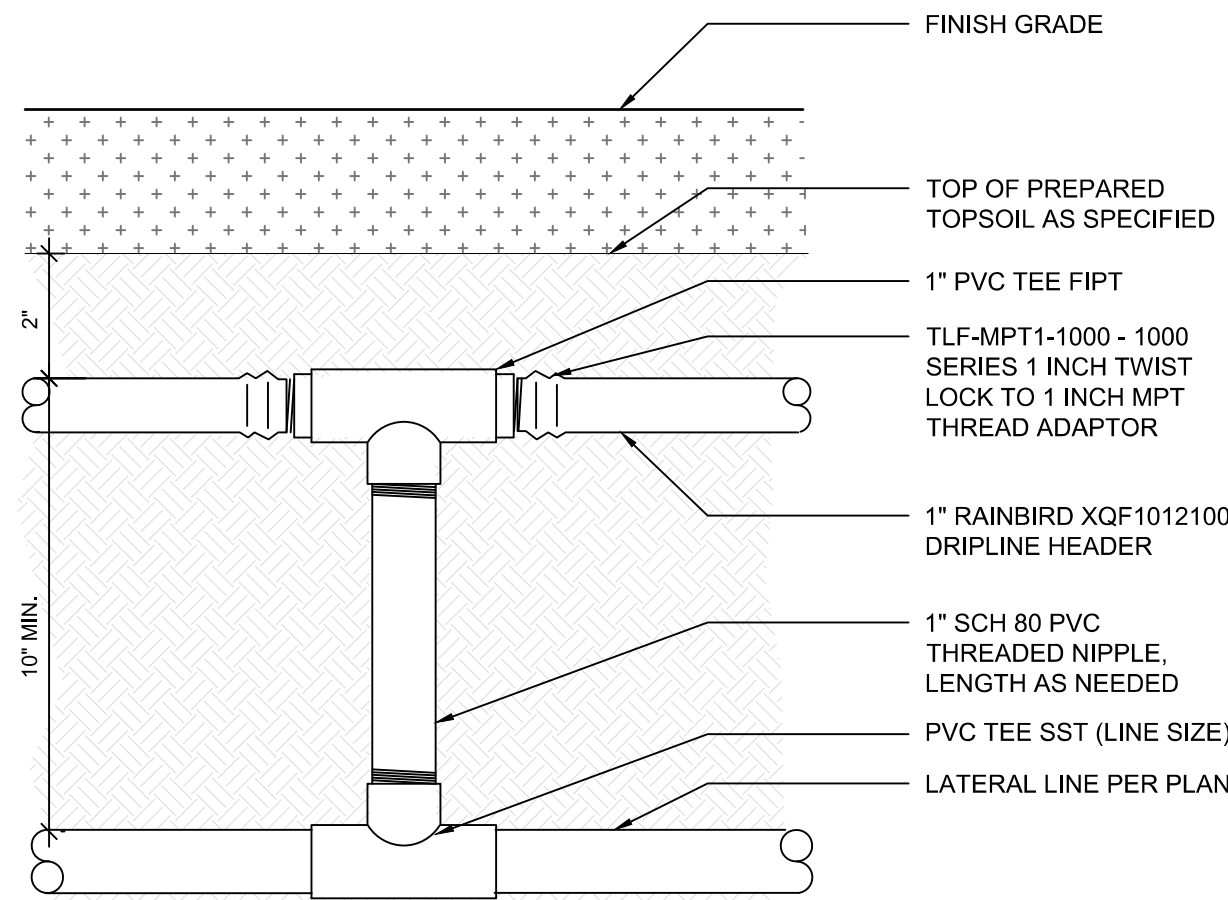
- GENERAL NOTES:
- THE TOTAL LENGTH OF ALL INTERCONNECTED DRIP LINE SHALL NOT EXCEED THE MAXIMUM RUN LENGTH PER MANUFACTURER. SEE MANUFACTURER'S IRRIGATION DESIGN GUIDE.
 - INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
 - ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.
 - POINT SOURCE DRIP TUBING TO BE PLACED ON TOP OF PREPARED TOPSOIL AND UNDER MULCH.



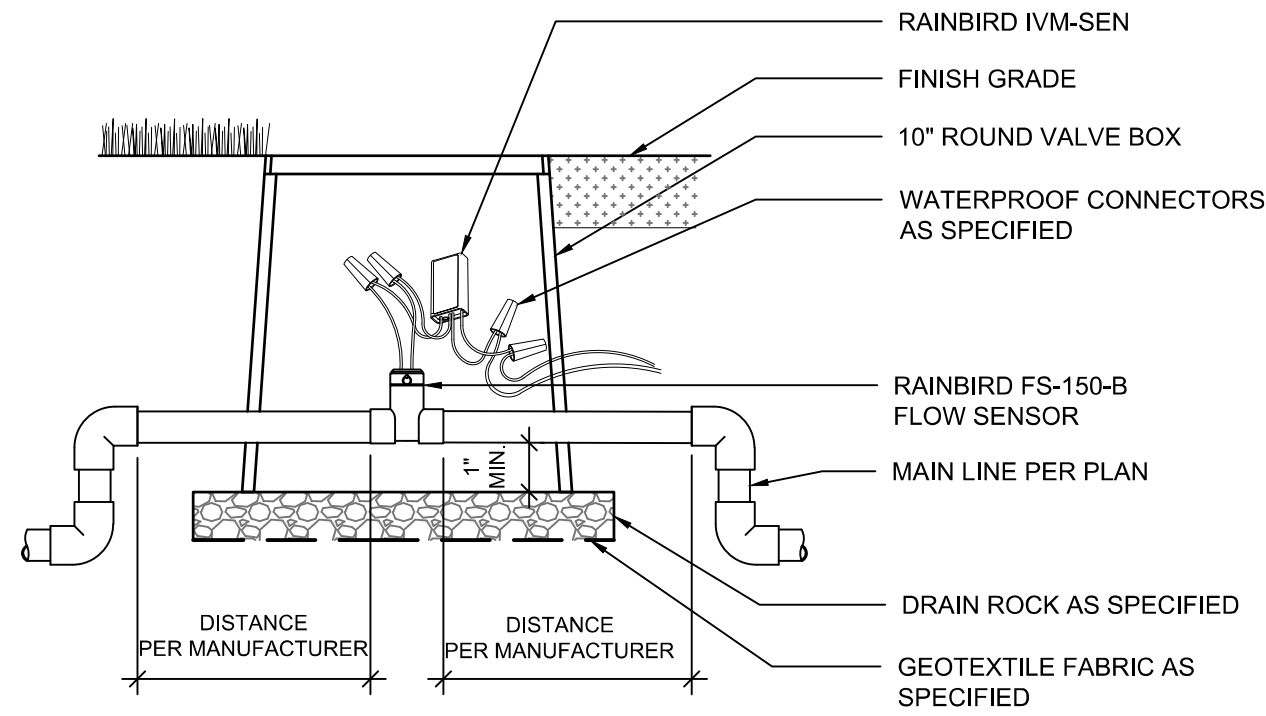
L D263 POINT SOURCE DRIP EMITTER DISTRUBUTION NTS



L D264 POINT SOURCE DRIP EMITTER NTS

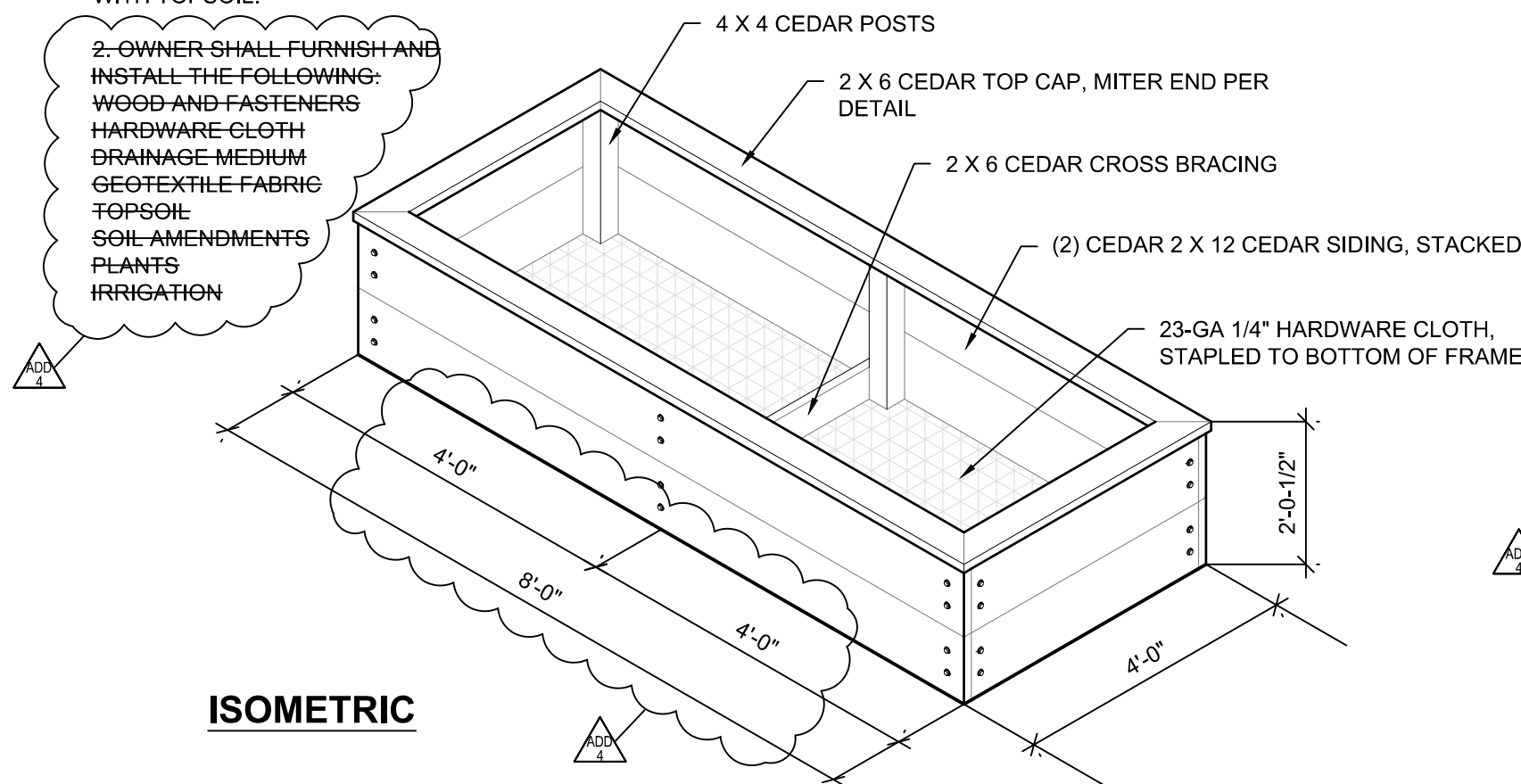


L D262 DRIP SOURCE CONNECTION RISER NTS

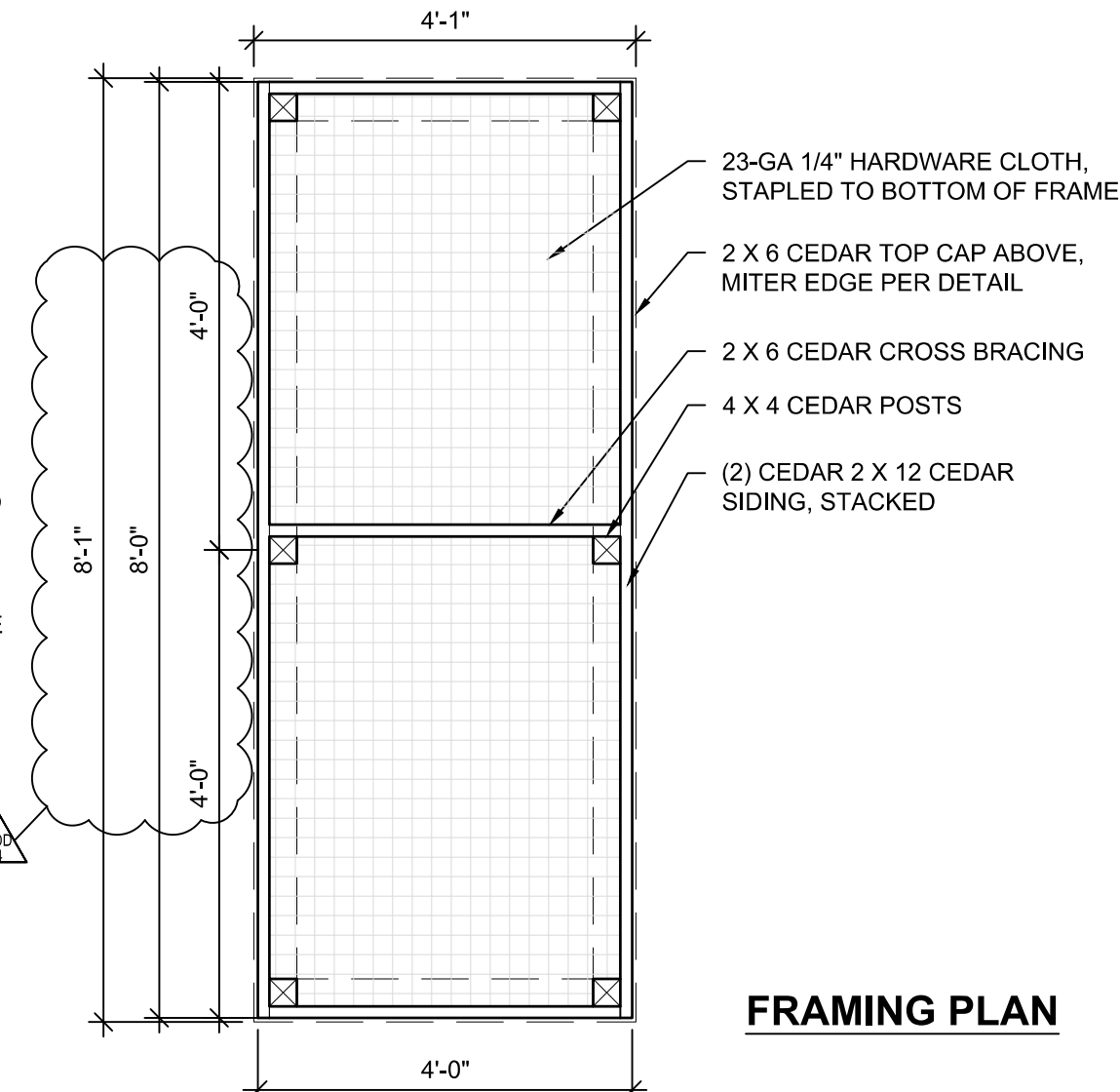


L D229 FLOW SENSOR NTS

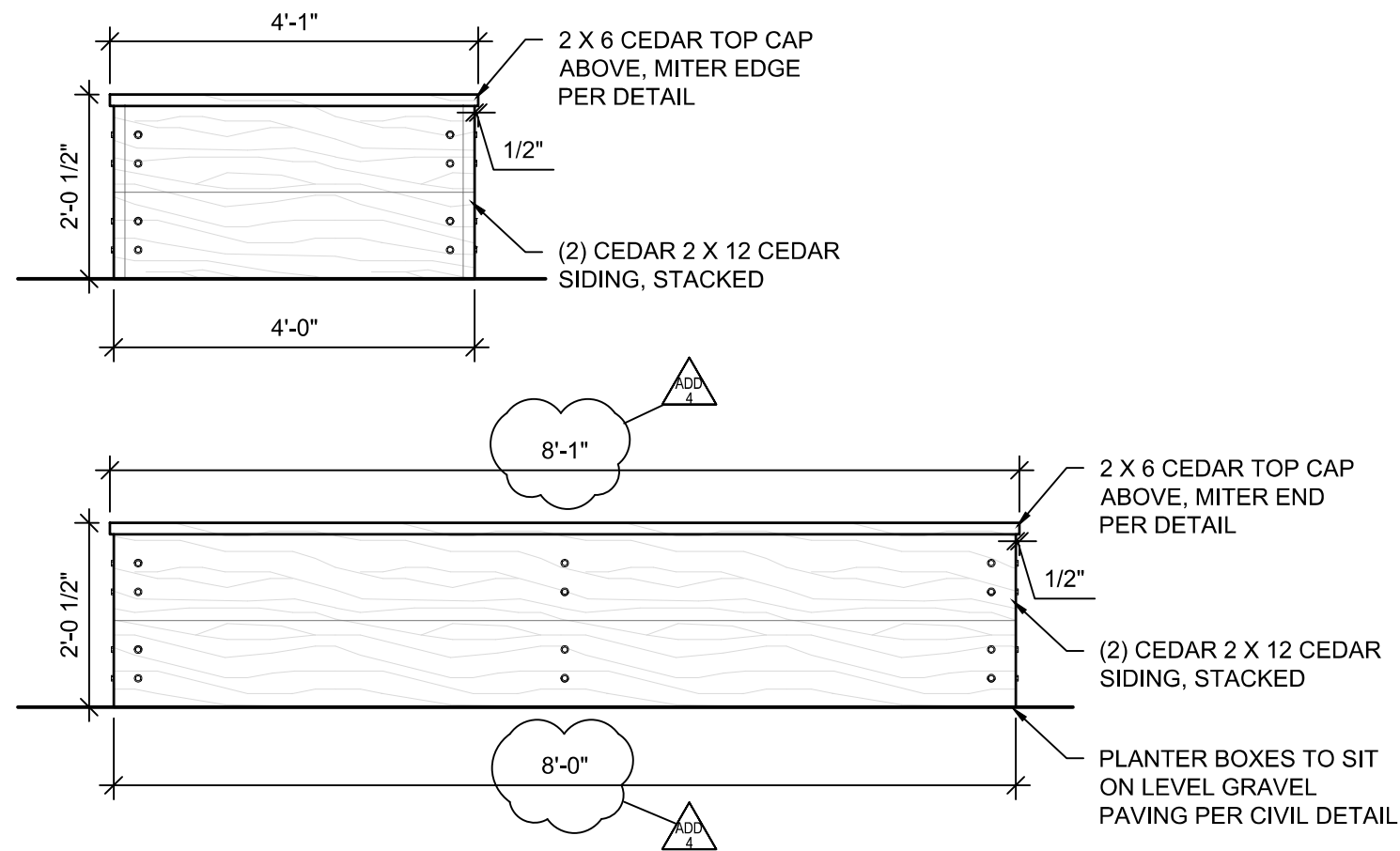
- NOTES:
- ALL WOOD TO BE FINISHED WITH A FOOD-SAFE BLEND OF LINSEED OIL AND BEESWAX, INSTALLED PER MANUFACTURER'S INSTRUCTIONS. ALLOW TO DRY COMPLETELY BEFORE FILLING WITH TOPSOIL.
 - OWNER SHALL FURNISH AND INSTALL THE FOLLOWING:
WOOD AND FASTENERS
HARDWARE CLOTH
DRAINAGE MEDIUM
GEOTEXTILE FABRIC
TOPSOIL
SOIL AMENDMENTS
PLANTS
IRRIGATION



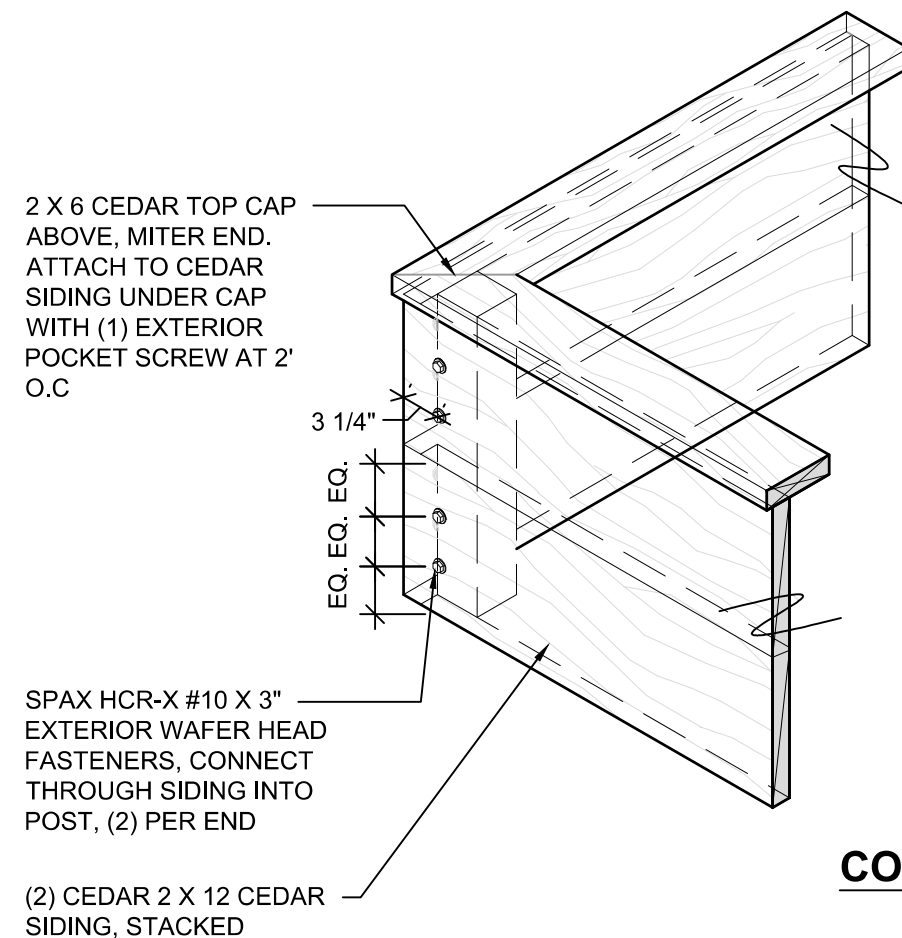
L D900 RAISED PLANTER BED NTS



FRAMING PLAN



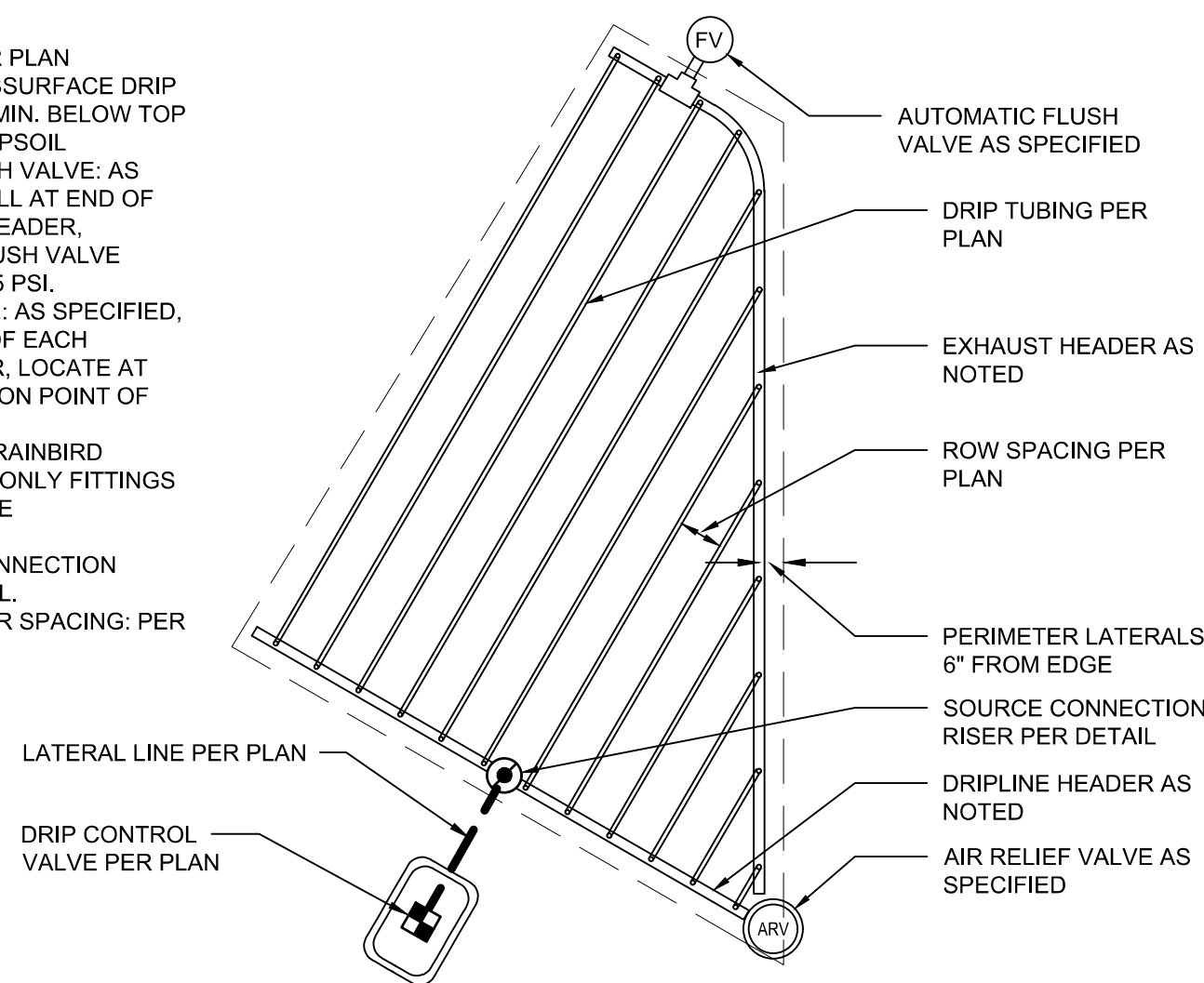
ELEVATIONS



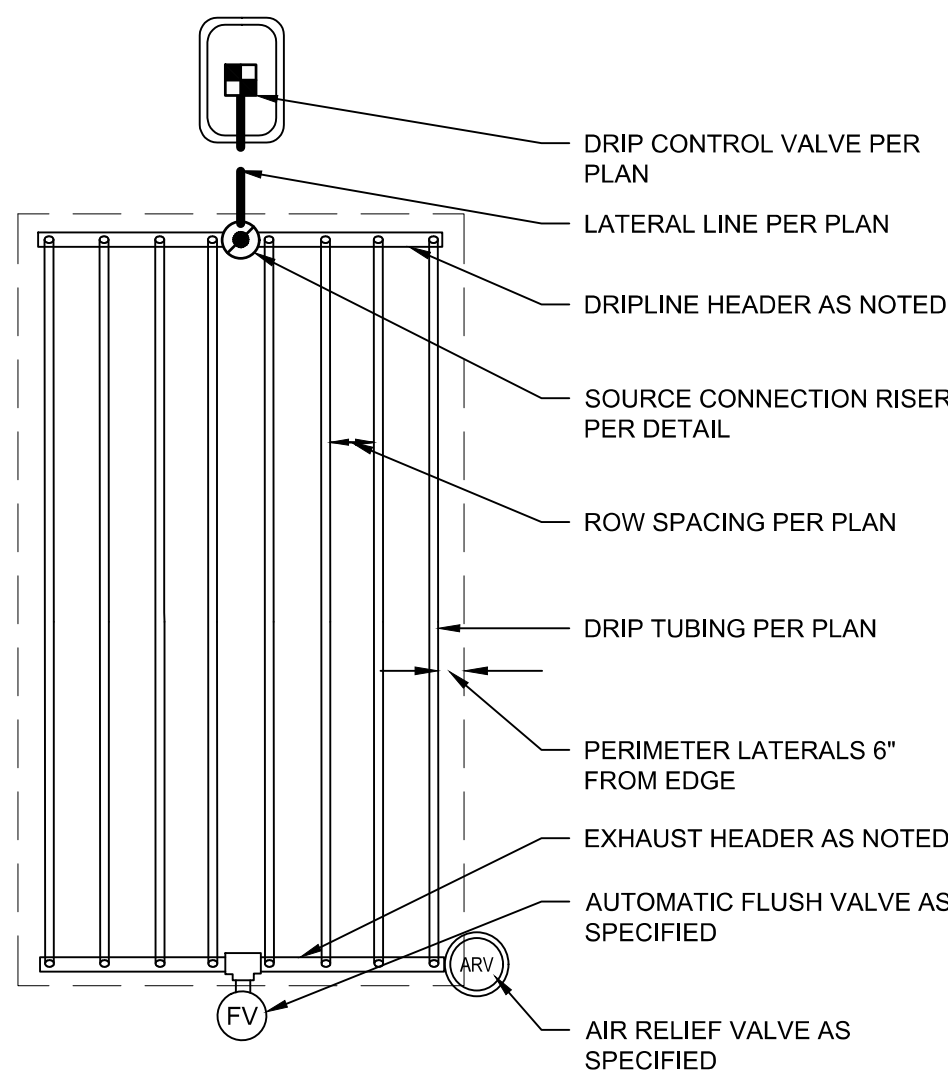
CORNER DETAIL

DRIP ZONE IRREGULAR AREAS

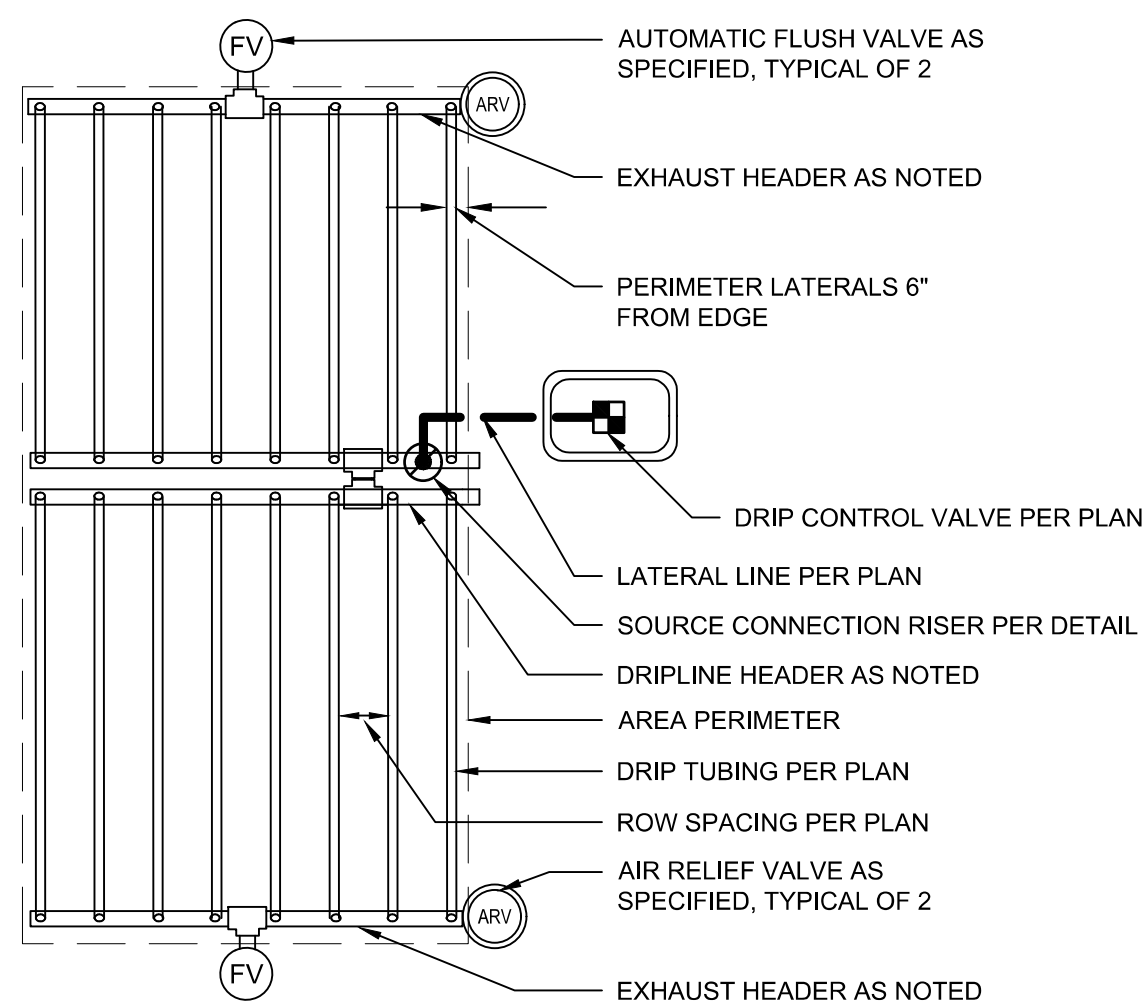
- GENERAL NOTES:
- DRIP TUBING: PER PLAN
 - BURY DEPTH: SUBSURFACE DRIP TUBING TO BE 2" MIN. BELOW TOP OF PREPARED TOPSOIL
 - AUTOMATIC FLUSH VALVE: AS SPECIFIED, INSTALL AT END OF EACH EXHAUST HEADER, PRESSURE AT FLUSH VALVE SHALL BE MIN 14.5 PSI.
 - AIR RELIEF VALVE: AS SPECIFIED, INSTALL AT END OF EACH EXHAUST HEADER, LOCATE AT HIGHEST ELEVATION POINT OF ZONE
 - DRIP HEADER: 1" RAINBIRD XQF1012100, USE ONLY FITTINGS APPROVED BY THE MANUFACTURER.
 - DRIP SOURCE CONNECTION RISER: PER DETAIL.
 - ROW AND EMITTER SPACING: PER PLAN



DRIP ZONE END FEED



DRIP ZONE MIDDLE FEED



L D261 IN-LINE DRIP TUBING NTS