

PLANTING LEGEND					
BOTANICAL NAME / COMMON NAME		WUCOLS	SIZE	QTY.	COMMENTS
TREES					
PISTACIA CHINENSIS / CHINESE PISTACHE		L	24" BOX	3	STANDARD TREE FORM, MATCHED HEIGHT
PLATANUS A. 'EXCLAMATION' / 'EXCLAMATION' SYCAMORE		M	24" BOX	4	STANDARD TREE FORM, MATCHED HEIGHT
QUERCUS AGRIFOLIA / COAST LIVE OAK		VL	24" BOX	5	STANDARD TREE FORM, MATCHED HEIGHT
SHRUBS					
CISTUS x. PURPUREAS / PURPLE ROCKROSE		L	5 GAL	50	5' O.C. SPACING
RHAPHIOLEPIS 'BALLERINA' / HAWTHORNE		L	5 GAL	36	4' O.C. SPACING
GROUNDCOVERS & PERENNIALS					
PENNISETUM 'KARLEY ROSE' / FOUNTAIN GRASS		L	1 GAL	157	3' O.C. SPACING
ROSMARINUS 'PROSTRATUS' / PROSTRATE ROSEMARY		L	1 GAL	24	5' O.C. SPACING
VERBENA 'De La Mina' / CEDROS ISLAND VERBENA		L	1 GAL	67	4' O.C. SPACING
BIOFILTRATION PLANTERS					
CALIFORNIA NATIVE BIOFILTRATION SOD		M	SOD	1,000 FT²	PER MFG'S RECOMMENDATIONS
FROM DELTA BLUEGRASS CO. CONSISTING OF:					HTTPS://WWW.DELTABLUEGRASS.COM
FESTUCA RUBRA 'MOLATE' / MOLATE FESCUE					(800) 637-8873
NASSELLA PULCHRA / PURPLE NEEDLEGRASS					
HORDEUM CALIFORNICUM / CALIFORNIA BARLEY					
HORDEUM BRACHYANTHERUM / MEADOW BARLEY					

#### MWELo STATEMENT

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

*Stephen A. Kovanis*

STEPHEN A. KOVANIS  
REGISTERED LANDSCAPE ARCHITECT CA. #6197

8/23/2022

DATE

#### PLANTING NOTES



- ALL WORK IS TO BE PERFORMED UNDER THE DIRECTION OF A LICENSED LANDSCAPE CONTRACTOR (C-27 LICENSE) OR CERTIFIED BY THE STATE OF CALIFORNIA FOR THE TYPE OF WORK SHOWN ON THE PLANS.
- A MINIMUM THREE INCH (3") LAYER OF SHREDDED WOOD MULCH (ARBOR MULCH) SHALL BE APPLIED ON ALL EXPOSED SOIL SURFACES OF PLANTING AREAS EXCEPT IN TURF AREAS, CREEPING OR ROOTING GROUNDCOVERS, OR DIRECT SEEDING APPLICATIONS WHERE MULCH IS CONTRAINDICATED. "GORILLA HAIR" REDWOOD MULCH IS PROHIBITED.
- CONTRACTOR IS TO SUBMIT SOIL SAMPLES FROM TYPICAL PLANTING AREAS TO A LABORATORY FOR ANALYSIS AND RECOMMENDATIONS. SOIL SAMPLING SHALL BE CONDUCTED IN ACCORDANCE WITH LABORATORY PROTOCOL, INCLUDING PROTOCOLS REGARDING ADEQUATE SAMPLING DEPTH FOR THE INTENDED PLANTS. THE SOIL ANALYSIS SHALL INCLUDE:
  - SOIL TEXTURE
  - INFILTRATION RATE DETERMINED BY LABORATORY TEST OR SOIL TEXTURE INFILTRATION RATE TABLE
  - PH
  - TOTAL SOLUBLE SALTS
  - SODIUM
  - PERCENT ORGANIC MATTER
  - RECOMMENDATIONS
- 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.
- INCORPORATE COMPOST OR NATURAL FERTILIZER INTO THE SOIL TO A MINIMUM DEPTH OF 8" AT A MINIMUM RATE OF 6 CUBIC YARDS PER 1000 SQUARE FEET OR PER SPECIFIC AMENDMENT RECOMMENDATIONS FROM A SOILS LABORATORY REPORT.
- 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.
- THE PROJECT APPLICANT, OR HIS/HER DESIGNEE, SHALL SUBMIT DOCUMENTATION VERIFYING IMPLEMENTATION OF SOIL ANALYSIS REPORT RECOMMENDATIONS TO THE CITY WITH CERTIFICATE OF COMPLETION."
- A MINIMUM OF 8" OF NON-MECHANICALLY COMPACTED SOIL SHALL BE AVAILABLE FOR WATER ABSORPTION AND ROOT GROWTH IN PLANTED AREAS.
- PLANTS SHALL BE OF QUALITY NURSERY STOCK, FREE OF PESTS AND DISEASES, AND CONFORM TO THE SIZE SPECIFICATIONS OF THE PLANT LEGEND AND THE LATEST EDITION OF THE AMERICAN NURSERYMAN STANDARDS.
- ALL PLANT LOCATIONS SHOWN ARE DIAGRAMMATIC AND SHALL BE CONFIRMED IN THE FIELD BY THE LANDSCAPE ARCHITECT. PROVIDE 48 HOURS ADVANCE NOTICE TO SCHEDULE SITE VISITS. CONTRACTOR IS TO ADJUST ALL PLANTING WITH UTILITY LOCATIONS OR OTHER OBSTACLES NOT SHOWN ON THESE PLANS. ANY CONFLICTS BETWEEN LOCATIONS OF PROPOSED PLANTING AND UTILITIES OR OTHER OBSTRUCTIONS ARE TO BE CALLED TO THE ATTENTION OF THE LANDSCAPE ARCHITECT.
- PLANT QUANTITIES ARE FOR INFORMATIONAL USE ONLY. IN THE CASE OF ANY DISCREPANCIES BETWEEN PLANT QUANTITIES AND SYMBOLS SHOWN, THE PLANTING PLAN SHALL GOVERN. NOTIFY THE LANDSCAPE ARCHITECT IF CLARIFICATION IS NEEDED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PLANTS AS SHOWN ON THE DRAWINGS.
- PLANTS ARE TO BE INSTALLED IN A TRIANGULAR SPACING PATTERN UNLESS OTHERWISE NOTED.
- NURSERY TRAINING STAKES SHALL BE REMOVED AT THE TIME OF PLANTING. BACKFILL HOLES WITH AMENDED PLANTING SOIL. TREES AND OTHER PLANTINGS THAT REQUIRE STAKING SHALL BE INSTALLED PER DETAIL.
- TREES SHALL BE CAPABLE OF SUPPORTING THEMSELVES WHEN STAKED. TREES WHICH HAVE BEEN "TOPPED" OR CUT ALONG THE LEAD TRUNK WILL BE REJECTED. TREES CLOSER THAN 8' TO PAVEMENTS OR FOUNDATIONS SHALL HAVE A ROOT BARRIER INSTALLED. PRODUCT TO BE NDS #SM-2420 OR APPROVED EQUAL.
- THE CONTRACTOR SHALL MAINTAIN AND MONITOR THE LANDSCAPE INSTALLATION FOR 60 DAYS UPON FINAL ACCEPTANCE. PLANTS IN AN UNHEALTHY OR DISTRESSED STATE SHALL BE REPLACED AT THE SAME SIZE AND SPECIFICATION AS THE ORIGINAL AT NO ADDITIONAL COST TO THE OWNER. ALL TREES SHALL BE GUARANTEED FOR ONE YEAR AND ALL SHRUBS AND GROUND COVER SHALL BE GUARANTEED FOR 6 MONTHS UPON FINAL ACCEPTANCE.
- UPON COMPLETION OF THE INSTALLATION, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEERING DEVELOPMENT SERVICES INSPECTOR A COMPLETED AND SIGNED "CERTIFICATE OF COMPLETION" STATING THAT THE PROJECT HAS BEEN INSTALLED AS DESIGNED.
- THE CERTIFICATE OF COMPLETION SHALL BE ACCOMPANIED BY AN IRRIGATION AUDIT, IRRIGATION SCHEDULE AND MAINTENANCE SCHEDULE, AS DESCRIBED IN THE CITY ORDINANCE.
- 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.

DATE				
BY				
DESCRIPTION				
REV.				

BC ENGINEERING GROUP, INC.  
CIVIL ENGINEERING & LAND PLANNING  
www.bceengineeringgroup.com  
Phone: 707.542.4321  
418 B Street, Third Floor  
Santa Rosa, CA 95401

PLANTING PLAN  
0 COORS COURT  
SANTA ROSA, CA 95407

Date:	08/23/22
Job:	1311-19
Drawn:	SK
Scale:	AS SHOWN
APN:	043-134-047
Permit #:	
Sheet:	L1.0 1 of 4

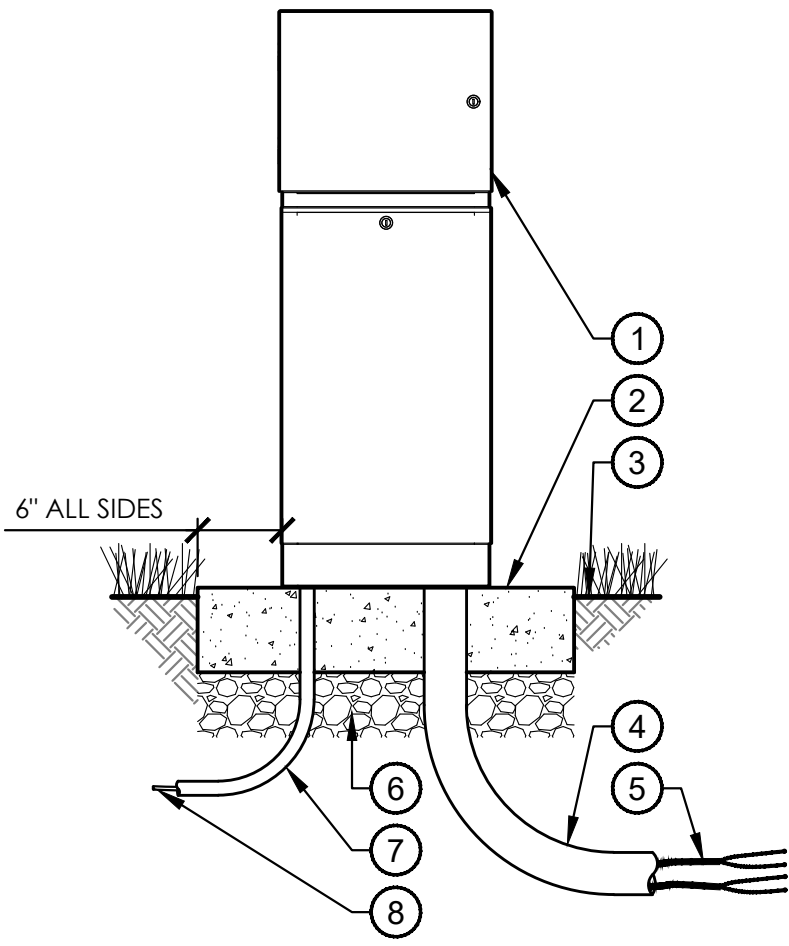
	<b>BC ENGINEERING GROUP, INC.</b> <b>CIVIL ENGINEERING &amp; LAND PLANNING</b>			
	<a href="http://www.bceengineeringgroup.com">www.bceengineeringgroup.com</a>			
	Phone: 707.542.4321 418 B Street, Third Floor Santa Rosa, CA 95401			
<b>IRRIGATION PLAN</b> 0 COORS COURT SANTA ROSA, CA 95407				
				
Date: 08/23/22				
Job: 1311-19				
Drawn: SK				
Scale: AS SHOWN				
APN: 043-134-047				
Permit #:				
Sheet:				
<div style="text-align: center;"> <b>L2.0</b>          2 of 4       </div>				

KEY:

1. CONTROLLER IN METAL CABINET & PEDESTAL
2. CONCRETE PAD 6" THICK MIN.
3. FINISH GRADE
4. 3" SCH. 40 PVC CONDUIT, FITTINGS & SWEEP ELL FOR TWO-WIRE CABLE
5. TWO-WIRE PATH TO DECODERS
6. 4" CLASS II AGGREGATE BASE ROCK, 95% COMPACTION
7. 1" SCH. 40 PVC CONDUIT, FITTINGS AND SWEEP ELL TO POWER SUPPLY
8. POWER SUPPLY WIRE

NOTES:

1. INSTALL CONTROLLER, CABINET AND PEDESTAL PER MANUFACTURER'S RECOMMENDATIONS.
2. PROVIDE PROPER GROUNDING COMPONENTS TO ACHIEVE GROUND RESISTANCE OF 10 OHMS OR LESS.
3. USE A DIFFERENT CABLE JACKET COLOR FOR EACH PATH.



PC PEDESTAL CONTROLLER

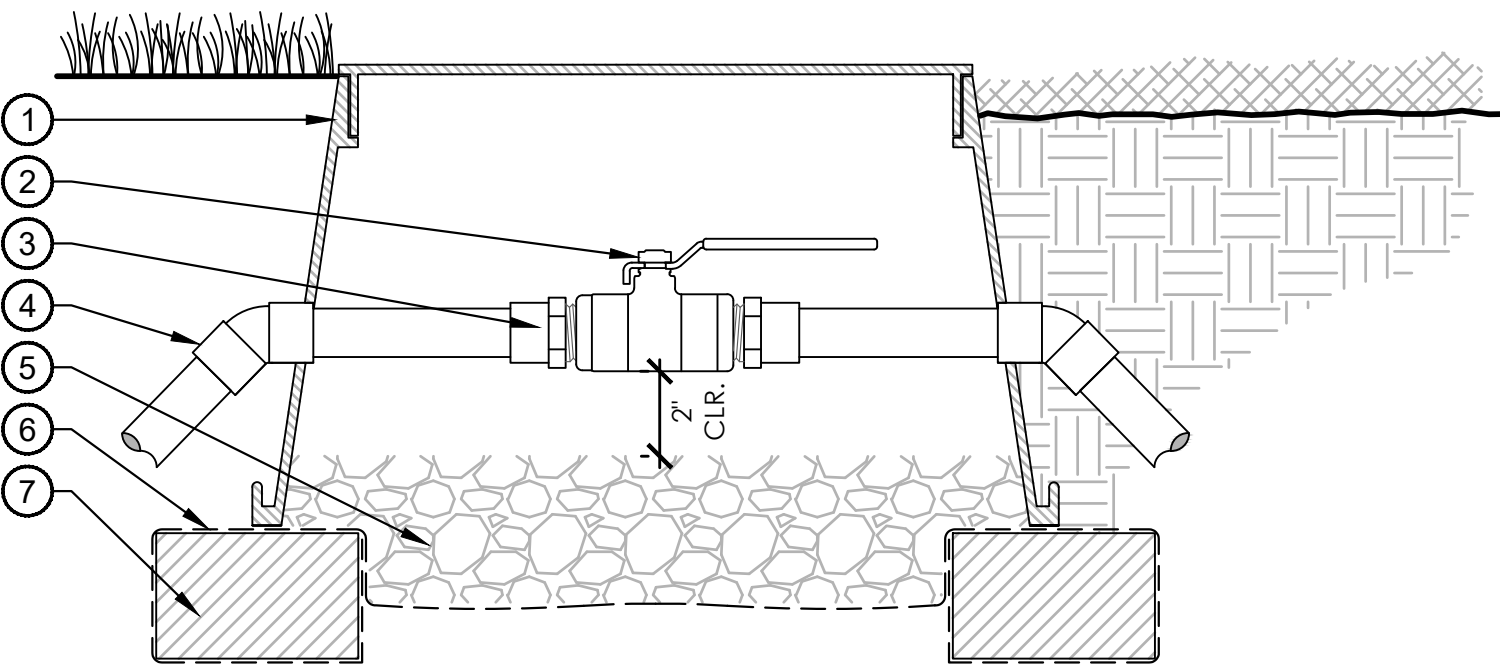
NO SCALE

KEY:

1. VALVE BOX AND LID, EXTENSION AS REQ'D
2. BALL VALVE, PER PLAN
3. MALE ADAPTER, (2)
4. IRRIGATION PIPE & FITTINGS PER PLAN
5. 3/4" DRAIN ROCK, 4" MIN. DEPTH
6. FILTER FABRIC, WRAP 2X AROUND BRICK SUPPORTS
7. BRICK SUPPORTS, (4)

NOTES:

1. BALL VALVE MAY BE INSTALLED WITH HANDLE ON THE SIDE, MAINTAIN CLEARANCE ABOVE DRAIN ROCK
2. VALVE BOX SHALL NOT REST ON PIPE
3. USE TEFLON TAPE ON THREADED CONNECTIONS



BV BALL VALVE

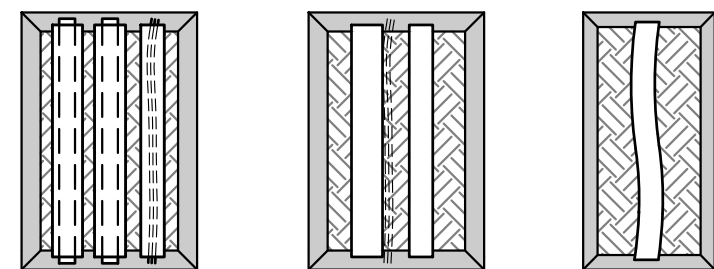
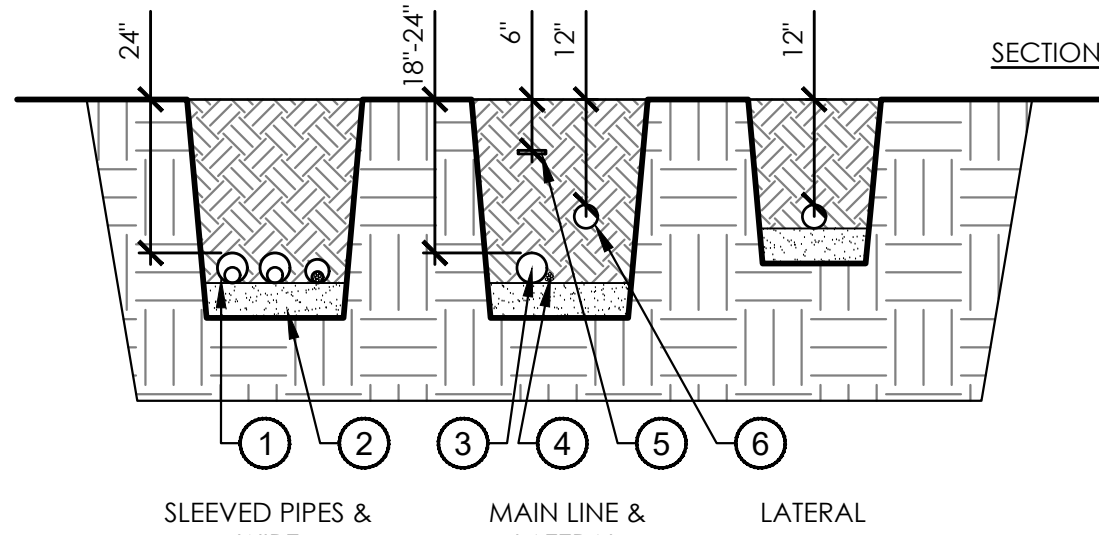
NO SCALE

KEY:

1. PVC SLEEVE, 2X DIAMETER OF PIPE CONTAINED
2. 4" SAND BEDDING LAYER
3. MAINLINE, PER PLAN
4. CONTROL WIRE, TAPE & BUNDLE @ 10' O.C. MAX.
5. DETECTABLE MARKING TAPE, PER SPECS
6. LATERAL PIPE, PER PLAN

NOTES:

1. ALL 120V WIRE TO BE INSTALLED IN CONDUIT PER LOCAL CODE
2. ALL PIPE AND WIRE BELOW PAVEMENT TO BE IN SLEEVES, SLEEVES SHALL EXTEND 12" MIN. BEYOND SURFACE EDGES
3. TRENCH BACKFILL MATERIAL SHALL BE NATIVE MATERIAL, COMPACTED TO 90% MIN. REFER TO GEOTECH'S RECOMMENDATIONS FOR TRENCH COMPACTION UNDER PAVEMENT
4. SNAKE PIPES IN TRENCHES TO ALLOW FOR CONTRACTION & EXPANSION
5. MAINLINE 2-1/2" & SMALLER TO HAVE 18" COVER, MAINLINE 3" & LARGER TO HAVE 24" COVER

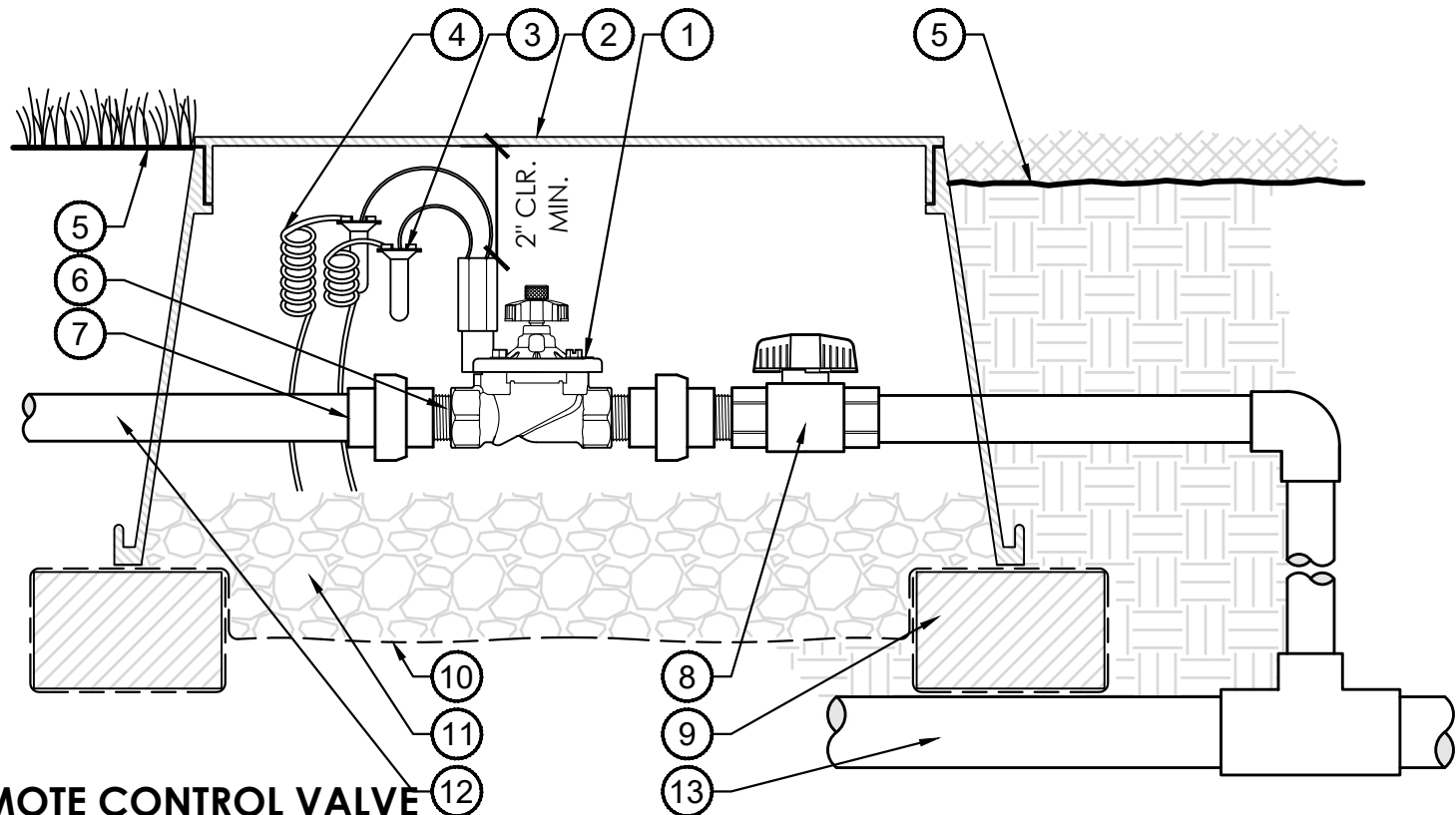


TS TRENCH SECTION

NO SCALE

KEY:

1. REMOTE CONTROL VALVE PER PLAN
2. IRRIGATION VALVE BOX: HEAT STAMP LID WITH 'RCV' IN 2" LETTERS
3. WATERPROOF CONNECTORS (2)
4. 18"-24" COILED WIRE TO CONTROLLER
5. FINISH GRADE AT ADJACENT SURFACE
6. SCH. 80 CLOSE NIPPLE, MATCH SIZE TO VALVE
7. PVC SLIP (OR FPT) X FPT UNION (2)
8. ISOLATION VALVE, SIZE AND TYPE PER PLAN
9. BRICK SUPPORTS (4)
10. FILTER FABRIC - WRAP 2X AROUND BRICKS
11. 3/4" WASHED GRAVEL, 4" MIN. DEPTH
12. IRRIGATION LATERAL
13. MAINLINE LATERAL AND FITTINGS

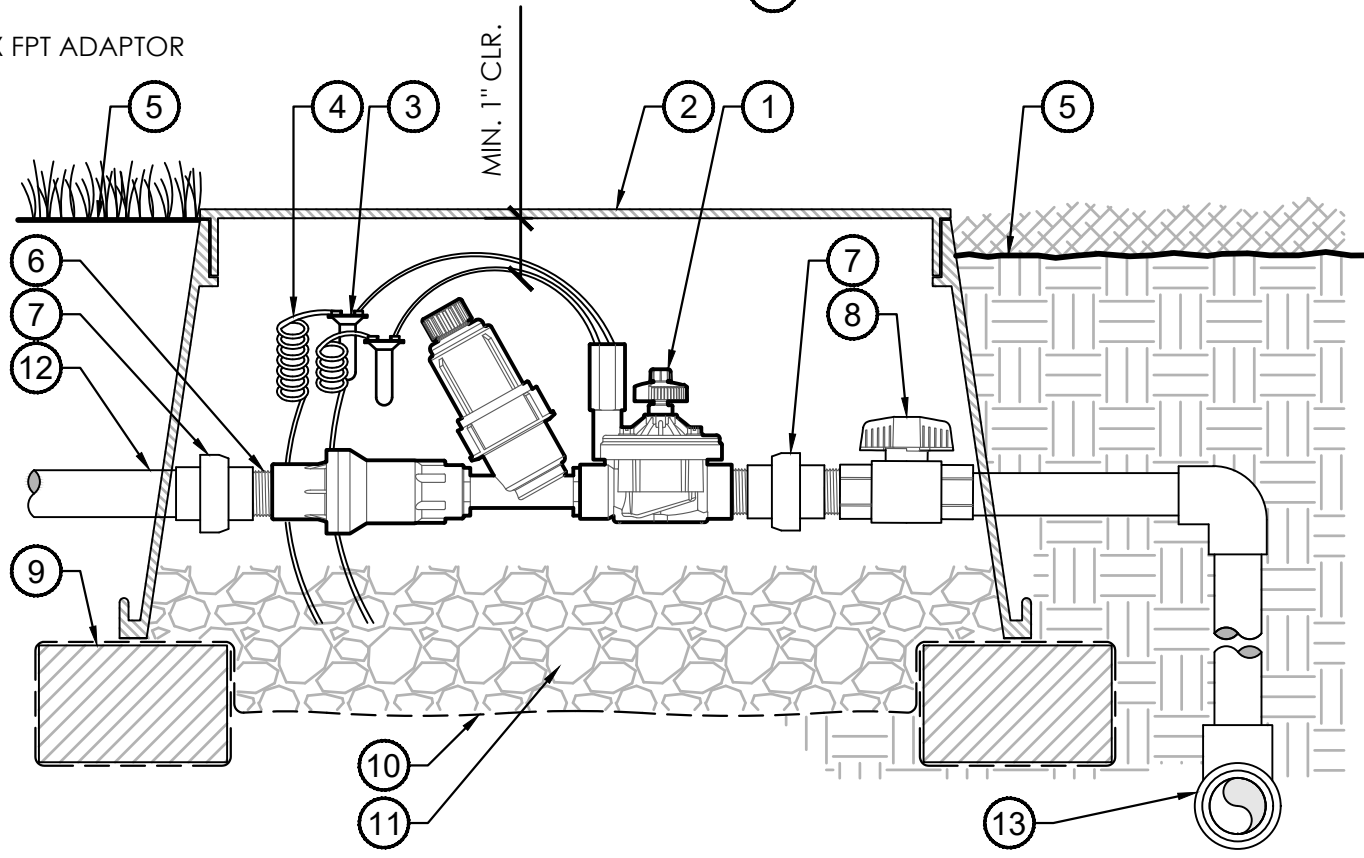


RC REMOTE CONTROL VALVE

NO SCALE

KEY:

1. REMOTE CONTROL VALVE W/ FILTER & REGULATOR
2. IRRIGATION VALVE BOX: HEAT STAMP LID WITH 'RCV' IN 2" LETTERS
3. WATERPROOF CONNECTORS (2)
4. 18"-24" COILED WIRE TO CONTROLLER
5. FINISH GRADE AT ADJACENT SURFACE
6. SCH. 80 CLOSE NIPPLE, MATCH SIZE TO VALVE
7. PVC SLIP X FPT ADAPTOR
8. ISOLATION VALVE, SIZE AND TYPE PER PLAN
9. BRICK SUPPORTS (4)
10. FILTER FABRIC - WRAP 2X AROUND BRICKS
11. 3/4" WASHED GRAVEL, 4" MIN. DEPTH
12. IRRIGATION LATERAL
13. MAINLINE LATERAL AND FITTINGS

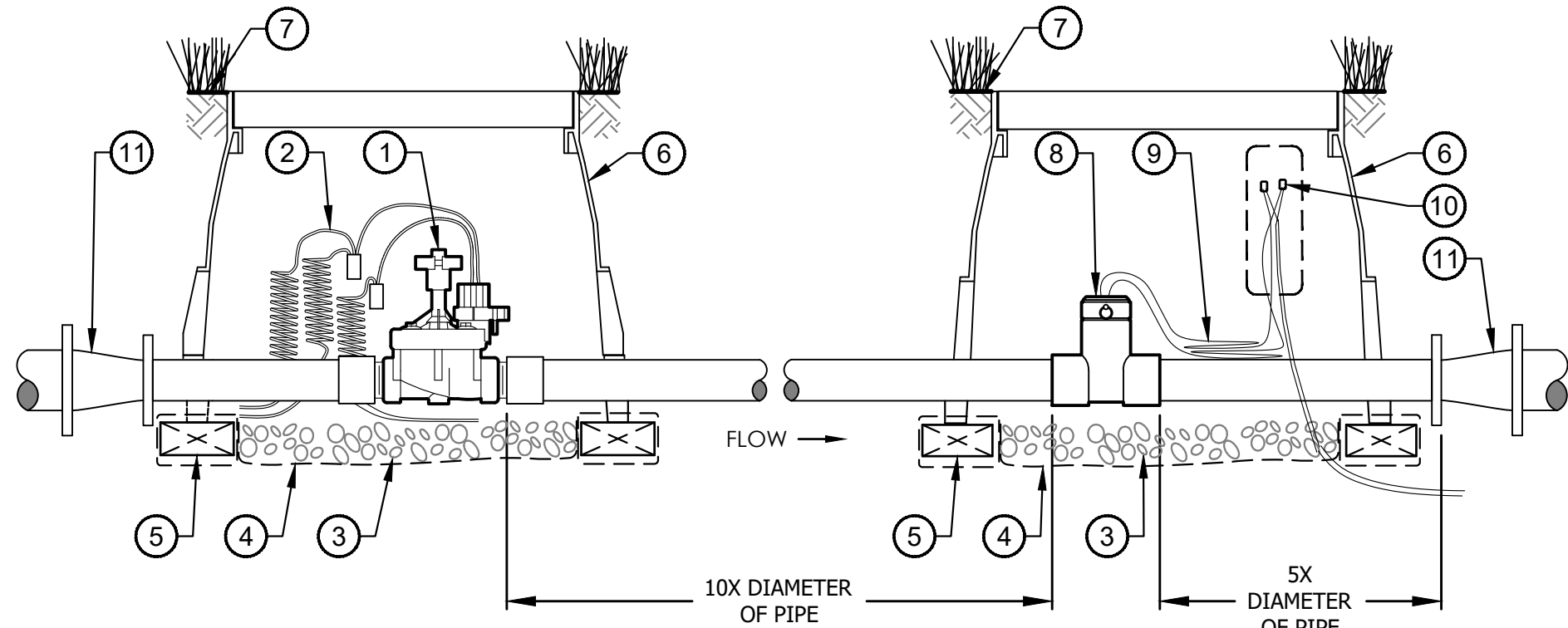


DZ DRIP ZONE KIT

NO SCALE

KEY:

1. MASTER VALVE, PER PLAN
2. 36" LENGTH OF COILED WIRE TO CONTROLLER MASTER VALVE CIRCUIT
3. 3" MINIMUM DEPTH OF 3/4" WASHED GRAVEL
4. FILTER FABRIC - WRAP TWICE AROUND BRICK SUPPORTS
5. BRICK (1 OF 4)
6. 12" VALVE BOX WITH COVER
7. FINISH GRADE
8. FLOW SENSOR, PER PLAN
9. 36-INCH LENGTH OF COILED PE-CABLE TO FLOW SENSING EQUIPMENT AT CONTROLLER ASSEMBLY
10. WATER PROOF CONNECTOR FOR SPLICE
11. CONCENTRIC REDUCER

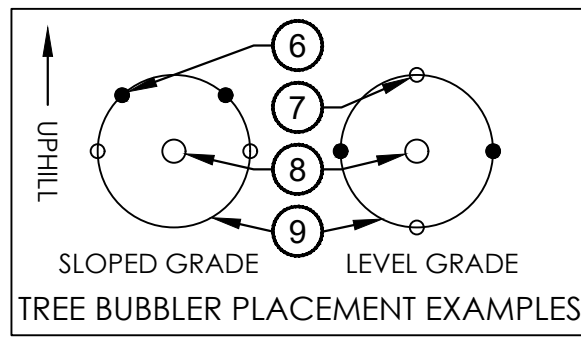


MV MASTER VALVE & FLOW SENSOR

NO SCALE

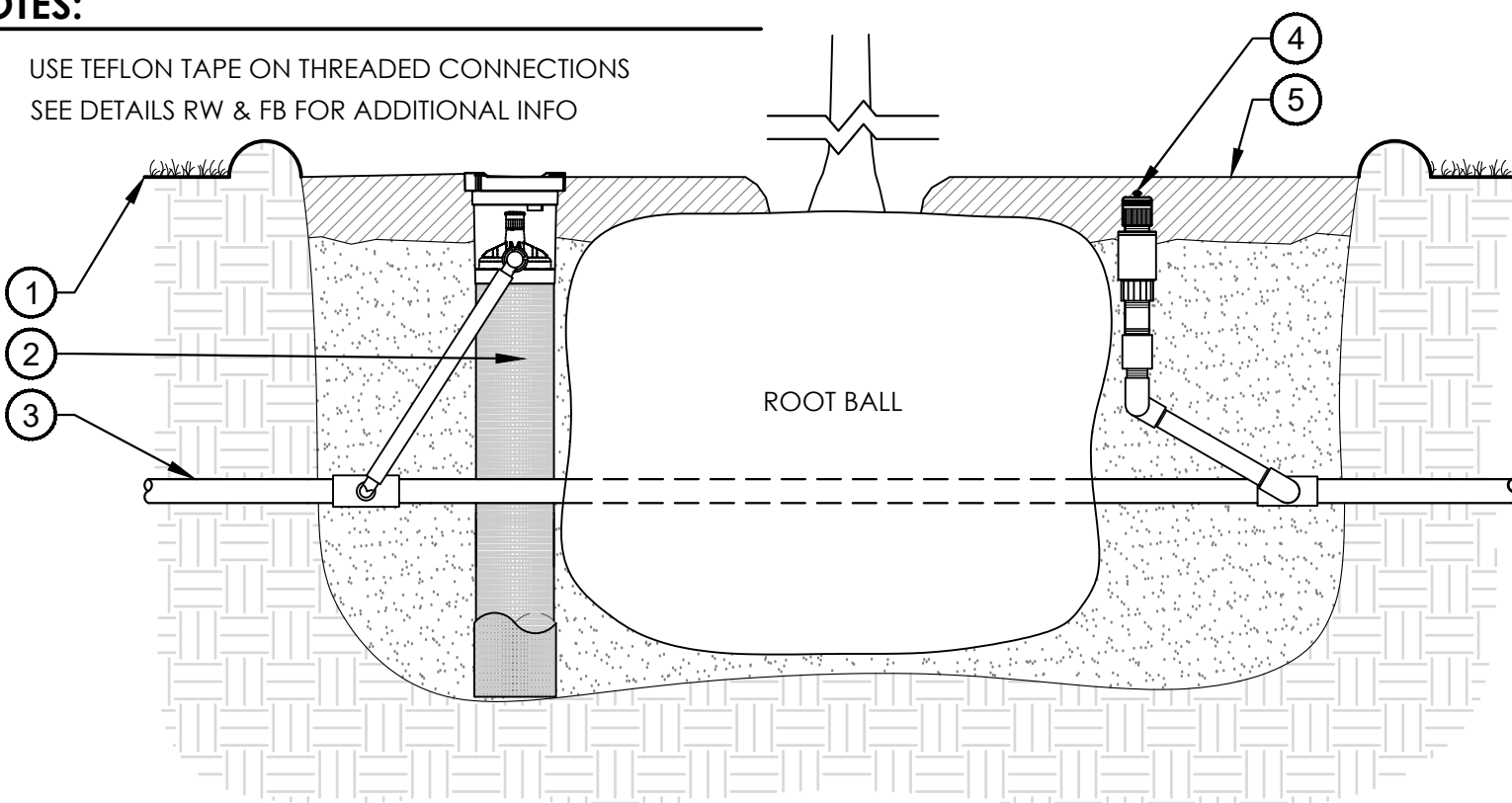
KEY:

1. FINISH GRADE
2. ROOT WATERING SYSTEM, PER PLAN
3. LATERAL PIPE, SIZE PER PLAN
4. FLOOD BUBBLER, PER PLAN
5. MULCH
6. BUBBLER (TYP)
7. TREE STAKES
8. TRUNK OF TREE OR SHRUB
9. EDGE OF ROOTBALL (TYP)



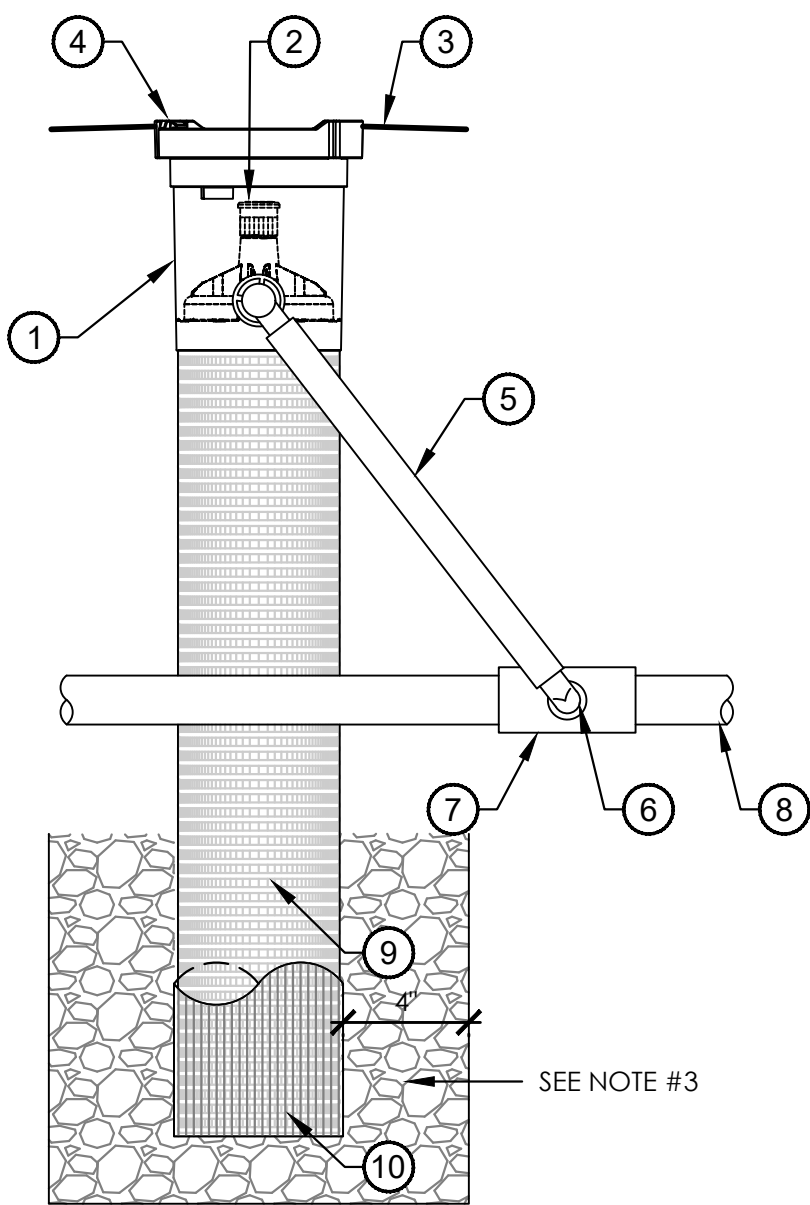
NOTES:

1. USE TEFLON TAPE ON THREADED CONNECTIONS
2. SEE DETAILS RW & FB FOR ADDITIONAL INFO



TB TREE BUBBLERS

NO SCALE



RW ROOT WATERING SYSTEM

NO SCALE

KEY:

1. ROOT WATERING SYSTEM INCLUDING TUBE, BUBBLER, GRATE, & SWING ASSEMBLY
2. BUBBLER
3. FINISH GRADE/TOP OF MULCH
4. 4" LOCKING GRATE
5. SWING ASSEMBLY
6. 1/2" MALE NPT INLET
7. PVC SCH. 40 TEE OR ELL
8. LATERAL PIPE PER PLAN
9. RIGID BASKET WEAVE CANISTER
10. OPTIONAL SOCK FOR SANDY SOILS

NOTES:

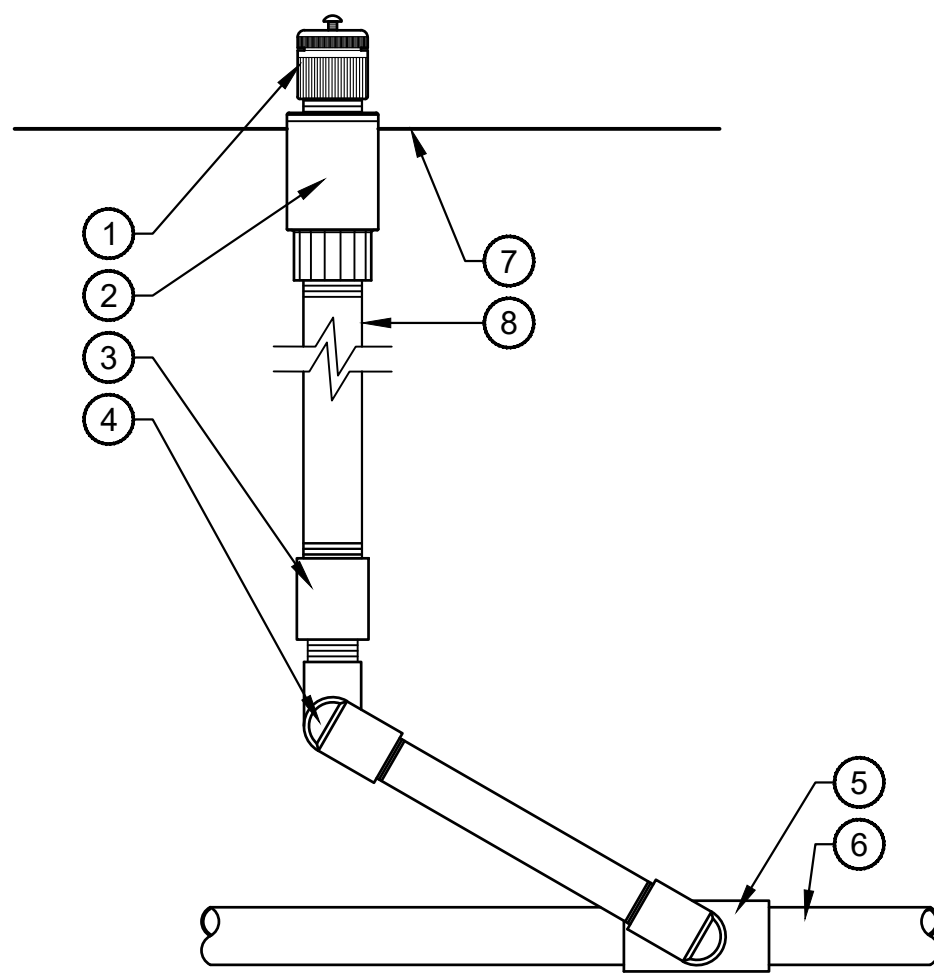
1. INSTALL PURPLE GRATE FOR RECYCLED WATER
2. INSTALL PRODUCT SO THAT THE GRATE IS EVEN WITH FINISH GRADE OR TOP OF MULCH
3. WHEN INSTALLING IN EXTREMELY HARD OR CLAY SOILS, ADD 3/4" GRAVEL UNDER & AROUND THE UNIT TO ALLOW FASTER WATER INFILTRATION AND ROOT PENETRATION
4. ONCE RWS HAS BEEN INSTALLED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

KEY:

1. BUBBLER, PER PLAN
2. CHECK VALVE
3. SCH 40 THREADED COUPLER
4. SWING JOINT, TYP.
5. LATERAL TEE OR ELL
6. LATERAL PIPE
7. FINISH GRADE
8. SCH 80 NIPPLE

NOTES:

1. USE TEFLON TAPE ON THREADED CONNECTIONS



FB FLOOD BUBBLERS

NO SCALE

REV.	DESCRIPTION	DATE

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**CIVIL ENGINEERING & LAND PLANNING**  
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Santa Rosa, CA 95401

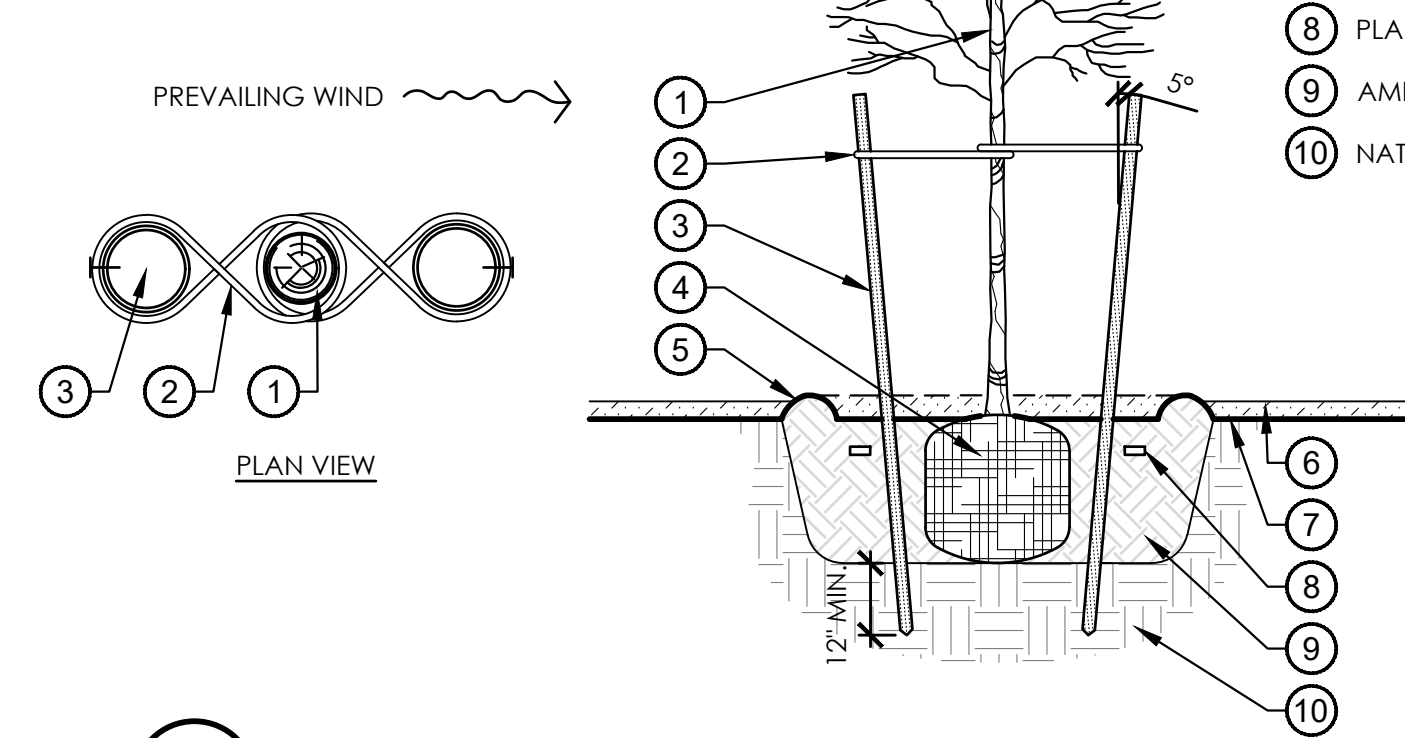
**PLANTING & IRRIGATION DETAILS**  
0 COORS COURT  
SANTA ROSA, CA 95407

**STEPHEN A. KOVANIS**  
P.L.A. 6197  
Signature: *Stephen A. Kovanis*  
6/30/2022  
RENEWED DATE: 8/31/2022  
STATE OF CALIFORNIA  
Stephen A. Kovanis  
PLA 6197 Exp. 6/30/23

Date: 08/23/22  
Job: 1311-19  
Drawn: SK  
Scale: AS SHOWN  
APN: 043-134-047  
Permit #:  
Sheet: **L3.0**  
3 of 4

NOTES:

1. PLANT TREE SO THAT ROOT CROWN AT TRUNK IS 2" ABOVE GRADE WITH SOIL TAPERING AWAY FROM TRUNK
2. SET STAKES A MIN. 12" INTO UNDISTURBED SOIL
3. INSTALL TREE TIES LOOPED IN A FIGURE 8 AROUND TREE TRUNK, 6" ABOVE LOWEST POINT ON THE TREE WHERE THE TREE WILL REMAIN ERECT. FASTEN TO STAKES W/ GALV. SCREWS OR NAILS
4. TRIM STAKES 6" ABOVE TREE TIES
5. EXCAVATE PLANT PIT 3X AS WIDE AS ROOT BALL AND 2" LESS THAN ROOT BALL DEPTH
6. SCARIFY ALL SIDES OF PLANT PIT



TP TREE PLANTING AND STAKING

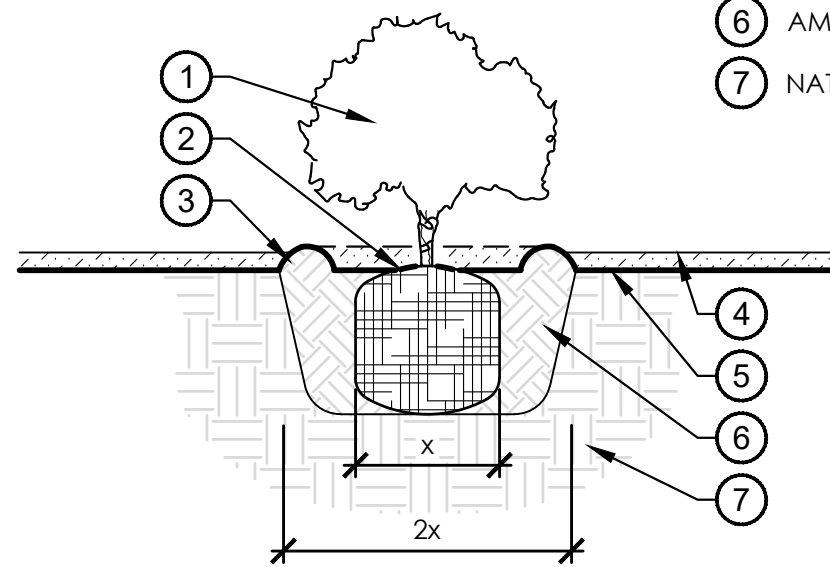
NO SCALE

KEY:

- 1 TREE, PER PLAN
- 2 NON-ABRASIVE RUBBER TREE TIE
- 3 2" Ø LODGE POLE STAKE
- 4 ROOT BALL
- 5 4" MIN. WATER BASIN BERM AT EDGE OF PLANT PIT
- 6 3" MIN. LAYER OF MULCH
- 7 FINISH GRADE
- 8 PLANTING TABLET PER SPECS, 3" DEPTH
- 9 AMENDED PLANTING SOIL, PER SPECS
- 10 NATIVE UNDISTURBED SOIL

NOTES:

1. PLANT SHRUB SO THAT ROOT CROWN AT TRUNK IS 1" ABOVE GRADE WITH SOIL TAPERING AWAY FROM TRUNK
2. EXCAVATE PLANT PIT 2X AS WIDE AS ROOT BALL AND 1" LESS THAN ROOT BALL DEPTH
3. KEEP MULCH 3" CLEAR FROM TRUNK



KEY:

- 1 SHRUB, PER PLAN
- 2 ROOT BALL
- 3 4" WATER BASIN BERM AT EDGE OF PLANT PIT
- 4 3" MIN. LAYER OF MULCH
- 5 FINISH GRADE
- 6 AMENDED PLANTING SOIL, PER SPECS
- 7 NATIVE UNDISTURBED SOIL

SP SHRUB PLANTING

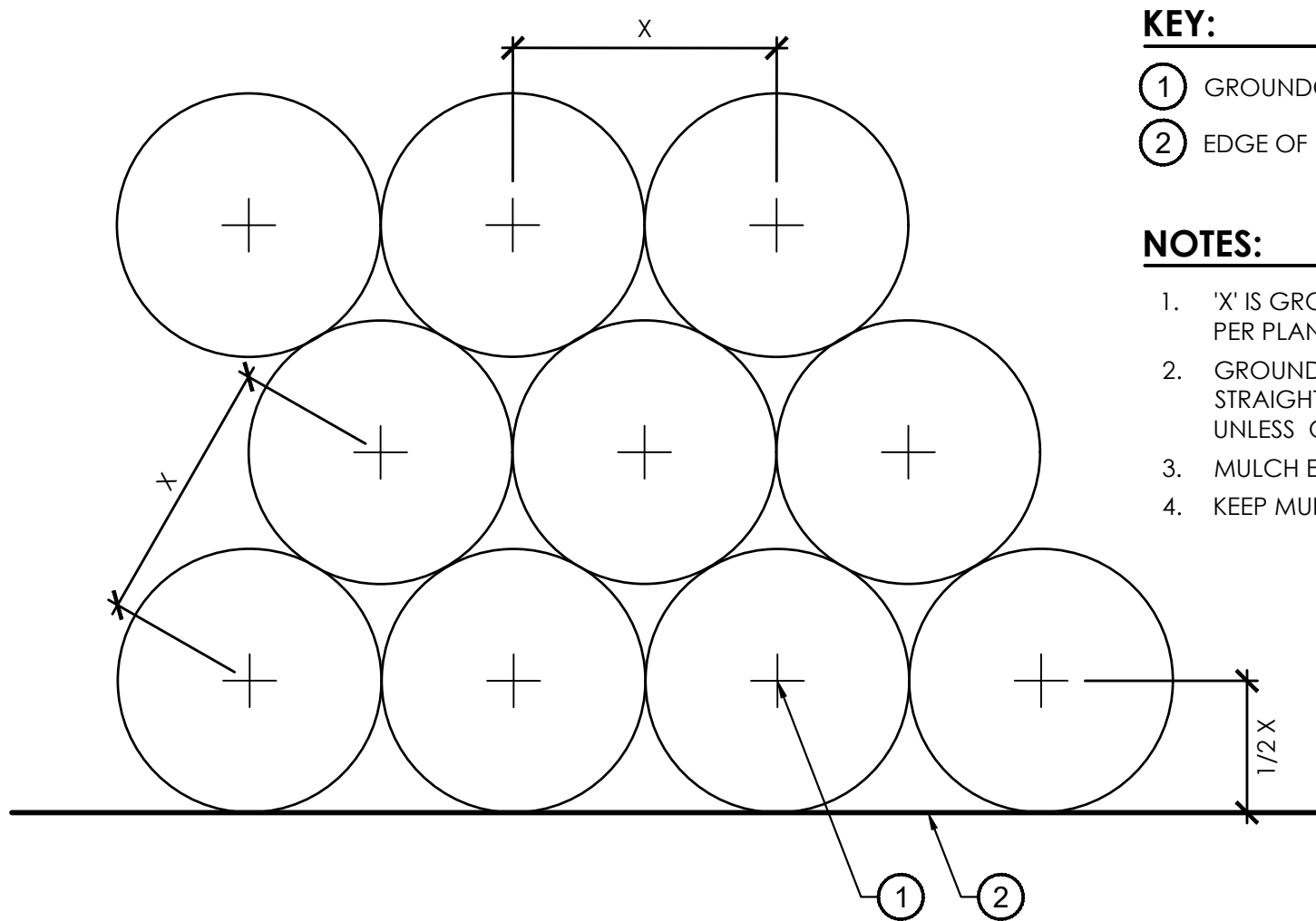
NO SCALE

KEY:

- 1 GROUND COVER OR SHRUB, PER PLAN
- 2 EDGE OF PAVING, HEADER, CURB, BUILDING, ETC.

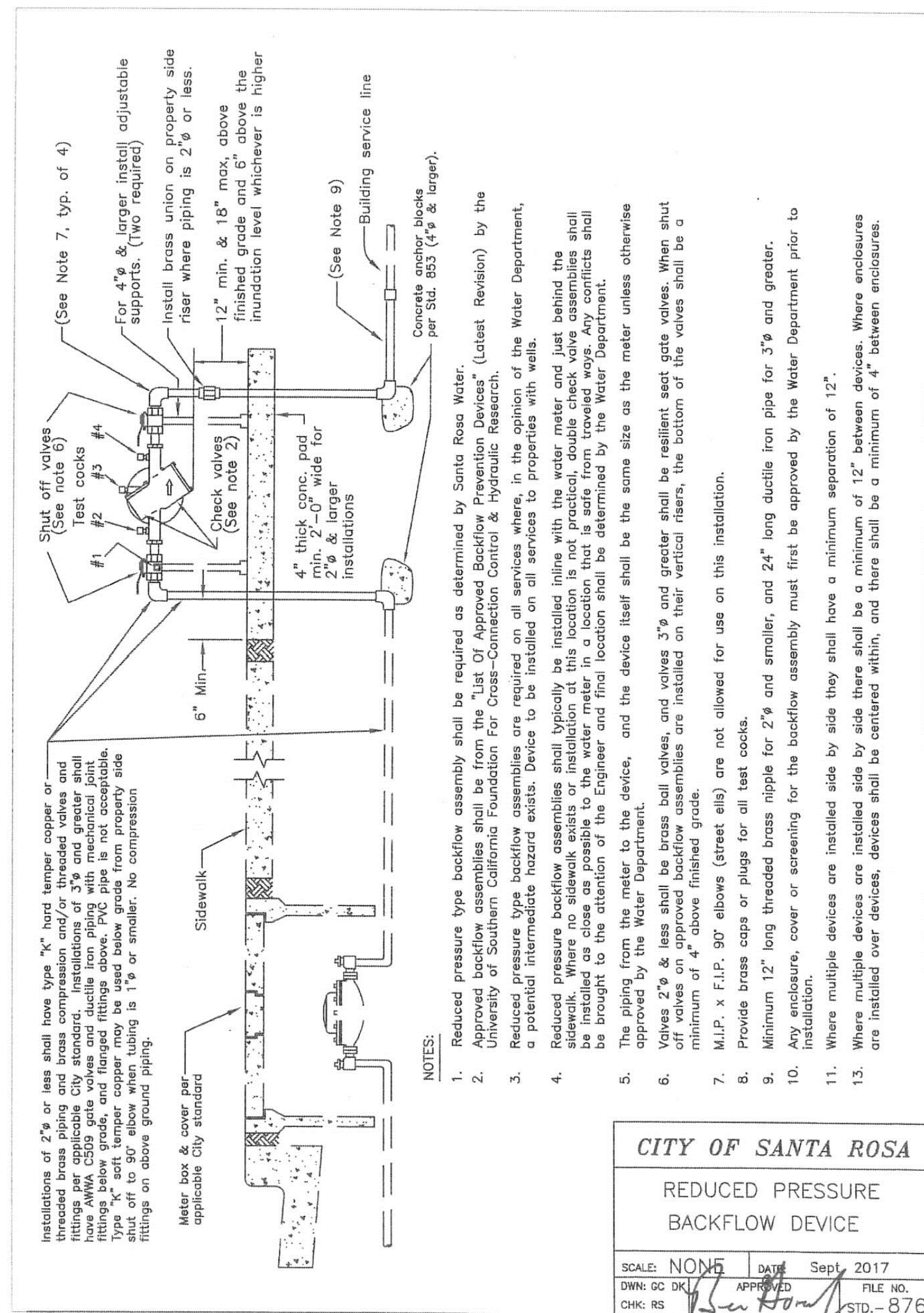
NOTES:

1. 'X' IS GROUND COVER OR SHRUB SPACING, PER PLANTING PLAN
2. GROUND COVERS SHALL BE LAID OUT IN STRAIGHT ROWS WITH TRIANGULAR SPACING UNLESS OTHERWISE NOTED
3. MULCH ENTIRE PLANTING AREA, PER SPECS
4. KEEP MULCH CLEAR OF PLANT BASE



PL PLANTING LAYOUT

NO SCALE

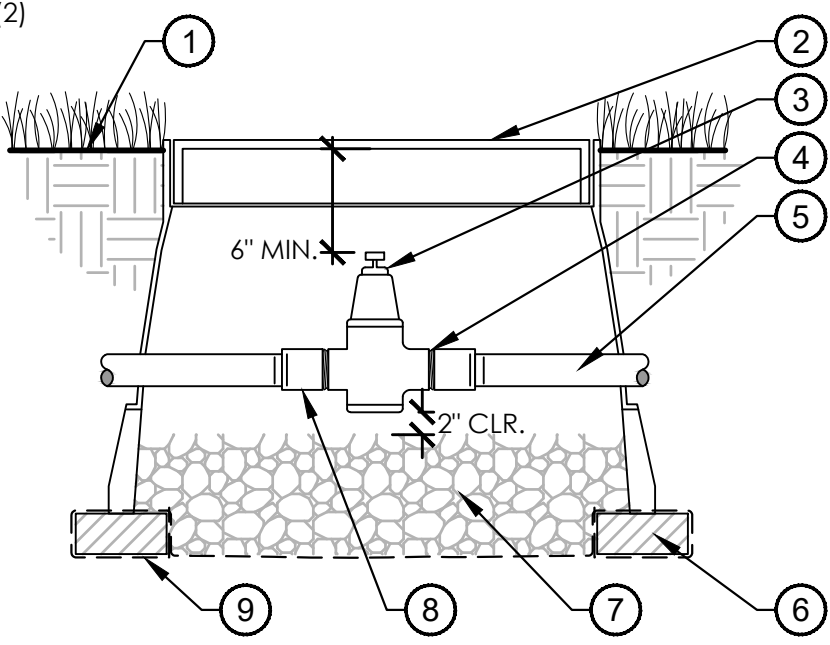


QC QUICK COUPLER

NO SCALE

KEY:

- 1 FINISH GRADE
- 2 RECTANGULAR PLASTIC VALVE BOX WITH LID, SECURE LID W/ 3/8" STAINLESS STEEL MACHINE BOLTS. TOP OF LID SHALL BE STENCILED WITH: "PRV"
- 3 PRESSURE REDUCING VALVE
- 4 SCH. 80 CLOSE NIPPLE, (2)
- 5 PVC MAINLINE PIPE
- 6 COMMON BRICK, (4) ONE AT EACH CORNER
- 7 4" MINIMUM DEPTH OF 3/4" WASHED GRAVEL
- 8 PVC SLIP x FPT ADAPTER, (2)
- 9 FILTER FABRIC, WRAP 2x AROUND BRICKS



NOTES:

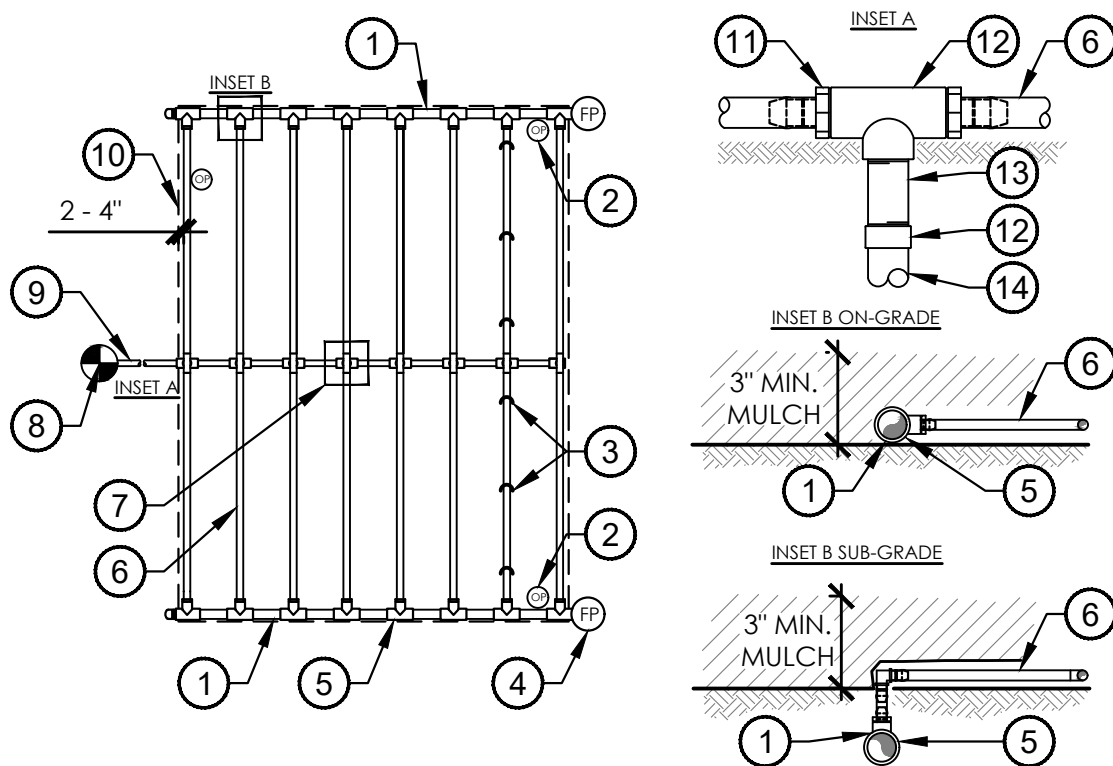
1. INSTALL PRESSURE REDUCING VALVE PER MFG'S RECOMMENDATIONS
2. INSTALL VALVE BOX EXTENSIONS AS NECESSARY

PR PRESSURE REDUCING VALVE

NO SCALE

KEY:

- 1 PVC EXHAUST HEADER
- 2 OPERATION INDICATOR RAIN BIRD MODEL: OPERIND
- 3 XF SERIES TIE-DOWN STAKES TDS-050, REFER TO RAIN BIRD DRIPLINE DESIGN GUIDE FOR PROPER SPACING
- 4 FLUSH POINT, TYPICAL
- 5 PVC TEE W/ RAIN BIRD XFF-MA FITTING
- 6 SUB-SURFACE/ON-SURFACE DRIPLINE
- 7 CONNECTION FROM SUPPLY MANIFOLD TO DRIPLINE, TYPICAL - SEE INSET A
- 8 DRIP ZONE KIT, PER PLAN
- 9 PVC SUPPLY PIPE FROM DRIP ZONE KIT (SIZED TO MEET LATERAL FLOW DEMAND)
- 10 PERIMETER DRIPLINE PIPE TO BE INSTALLED 2'-4" FROM PERIMETER OF AREA
- 11 XFF-MA-050 FITTING
- 12 SCH 40 PVC TEE
- 13 PVC SCH 40 RISER PIPE
- 14 PVC CENTER FEED HEADER



NOTES:

1. FOR ALL XFS-CV AND POLY CONNECTIONS INSTALL XFF AND/OR XFD FITTINGS.
2. DISTANCE BETWEEN LATERAL ROWS AND EMITTER SPACING TO BE BASED ON SOIL TYPE, PLANT MATERIALS AND CHANGES IN ELEVATION. SEE INSTALLATION SPECIFICATIONS ON RAIN BIRD WEB SITE (WWW.RAINBIRD.COM) FOR SUGGESTED SPACING.
3. LENGTH OF LONGEST DRIPLINE LATERAL SHOULD NOT EXCEED THE MAXIMUM SPACING SHOWN IN THE ACCOMPANYING TABLE.

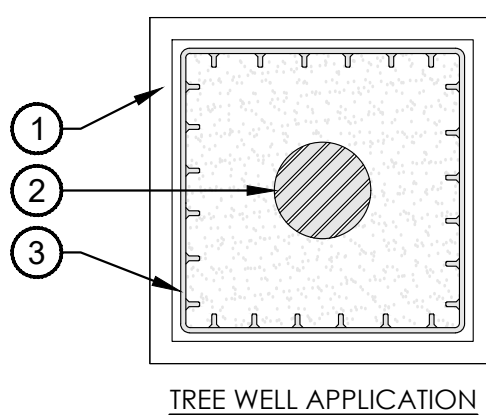
Inlet Pressure psi	12" Spacing		18" Spacing	
	Max	Min	Max	Min
20	192	135	254	215
30	288	205	402	337
40	384	270	536	450
50	480	335	670	562
60	576	400	804	675

DI DRIP IRRIGATION

NO SCALE

KEY:

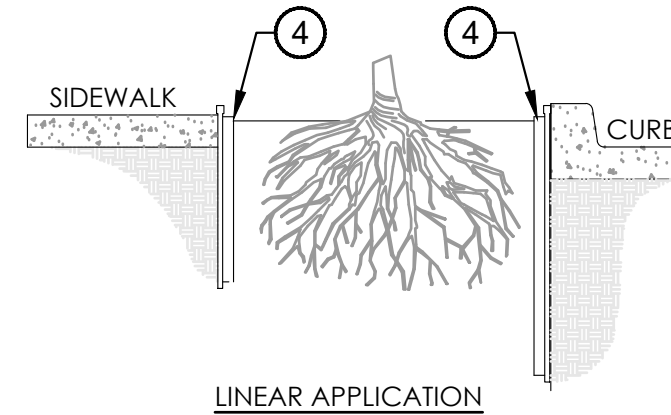
- 1 CURB OR PAVEMENT
- 2 TREE TRUNK
- 3 ROOT BARRIER, PER SPECS
- 4 INNER 90° DEFLECTING RIBS



TREE WELL APPLICATION

NOTES:

1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. THE RAISED ROOT GUIDING RIBS MUST BE FACING TOWARDS THE TREE ROOTS.
3. THE TOP OF THE BARRIER PANELS MUST BE SLIGHTLY ABOVE GRADE (NEVER BELOW GRADE)
4. POSITION BARRIER PANELS VERTICALLY WITH TOP AGAINST THE STRUCTURE TO BE PROTECTED
5. ALL TREES WITHIN 8' OF PAVING OR BUILDINGS SHALL RECEIVE ROOT BARRIER.
6. IN LINEAR APPLICATIONS, CENTER ROOT BARRIER ON TRUNK & EXTEND 4' MIN ON EACH SIDE (8' MIN. LENGTH)



LINEAR APPLICATION

RB ROOT BARRIER

NO SCALE

BF BACKFLOW PREVENTER

NO SCALE

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PLANTING & IRRIGATION DETAILS  
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SANTA ROSA, CA 95407

Stephen A. Kovanis  
PLA 6197 Exp. 6/30/23

Date: 08/23/22  
Job: 1311-19  
Drawn: SK  
Scale: AS SHOWN  
APN: 043-134-047  
Permit #:  
Sheet: L3.1  
4 of 4