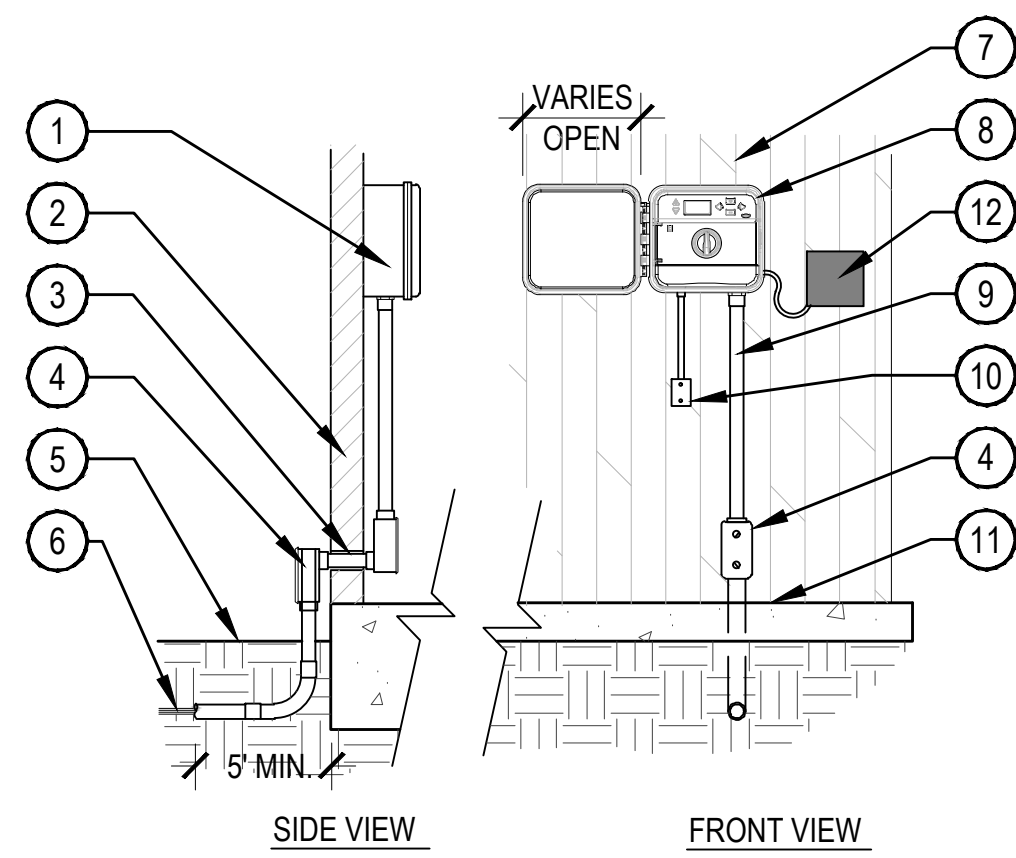


IRRIGATION SCHEDULE					
SYMBOL	DESCRIPTION	MODEL NO. DESCRIPTION	DETAIL # AND SHEET		
A	IRRIGATION CONTROLLER	RAIN BIRD ESP-ME3 SERIES + LNK2WIFI MODULE (+ ESPSM# EXPANSION MODULES AS REQUIRED) 120VAC POWER REQUIRED - SEE PLANS FOR LOCATION	1	1	
◇	RAIN SENSOR	RAIN BIRD WR2-RFC REFER TO CONTROLLER NOTES	2	1	
▣	BACKFLOW PREVENTER	FEBCO 3/4" 765 PVB (INSTALLED 12" ABOVE HIGHEST OUTLET*) *UTILIZE 3/4" FEBCO 825YA IF SITE TOPOGRAPHY CONDITIONS PREVENT THE USE OF PVB	3	1	
⊙	MANUAL DRAIN VALVE	MATCO-NORCA 1/2" 201X INSTALLED IN AEP 910L-1G2G VALVE BOX	4	1	
⊕	MASTER VALVE	RAIN BIRD 100PEB-PRS WITH 14AWG WIRE BACK TO CONTROLLER, INSTALLED IN AEP 1015-1G2G VALVE BOX	5	1	
FS	FLOW SENSOR	RAIN BIRD FG-100 WITH 14 AWG WIRE BACK TO CONTROLLER, INSTALLED IN AEP 1015-1G2G VALVE BOX	6	1	
⊙	QUICK COUPLER	RAIN BIRD 3-RC INSTALLED IN AEP 910L-1G2G VALVE BOX	7	1	
⊗	ISOLATION GATE VALVE	MATCO-NORCA 514TX MATCH LINE SIZE. INSTALLED IN AEP 910L-1G2G VALVE BOX	8	1	
⊕	TURF VALVE ASSEMBLY	RAIN BIRD 100-DV SERIES WITH SCH 40 BALL VALVE, INSTALLED IN AEP 1015-1G2G VALVE BOX.	1	2	
⊕	DRIP VALVE ASSEMBLY	RAIN BIRD XCZ-075-PRF (0.2 - 5.0 GPM) AND XCZ-100-PRF (3.0-15 GPM) WITH SCH 40 BALL VALVE, INSTALLED IN AEP 1320-1G2G VALVE BOX, SIZED PER PLAN	2	2	
⊕	TURF SPRAY (FIXED)	RAIN BIRD 1806-SAM-PRS30 WITH MPR-SERIES NOZZLE NOZZLE PER PLAN	3	2	
⊕	TURF SPRAY (ADJUSTABLE)	RAIN BIRD 1806-SAM-PRS30 WITH HE-VAN SERIES NOZZLE NOZZLE PER PLAN	3	2	
⊕	TREE DRIP	(2) CONCENTRIC RINGS OF RAIN BIRD XFS-09-12-CV DRIPLINE	6	2	
—	SLEEVING	CLASS 200 PVC BE REFER TO SLEEVING NOTES	7	2	
---	PVC MAINLINE	CLASS 200 PVC BE SIZE: 1" UNLESS OTHERWISE NOTED	8	2	
---	PVC TURF LATERAL	CLASS 200 PVC BE SIZE: 1" MINIMUM UNLESS OTHERWISE NOTED	8	2	
---	PVC TREE LATERAL	CLASS 200 PVC BE SIZE: 1" UNLESS OTHERWISE NOTED	8	2	
---	DRIP LATERAL	UV RESISTANT POLYETHYLENE SIZE: 3/4" MINIMUM UNLESS OTHERWISE NOTED	8	2	
---	FLUSH END CAP	SCH 40 BALL VALVE WITH HUNTER ECO-OPERATIONAL INDICATOR INSTALLED IN AEP 608L-1B2G VALVE BOX	6	3	
VALVE CALLOUT		EMITTER SCHEDULE			
VALVE/STATION NUMBER		PLANT TYPE	EMITTER	QTY.	TOTAL GPH
ZONE DESIGNATION: G (TURF), N (NATIVE), T (TREES), S (SHRUBS), P (PLANTER POT)		PERENNIAL / GRASSES	0.5 GPH	TWO EACH	1.0 GPH
X - X		DECIDUOUS SHRUBS	1.0 GPH	TWO EACH	2.0 GPH
X" XX		EVERGREEN SHRUBS	1.0 GPH	TWO EACH	2.0 GPH
VALVE FLOW: (GPM)		DECIDUOUS TREE	1.0 GPH	EIGHT EACH	8.0 GPH
VALVE SIZE		EVERGREEN TREE	1.0 GPH	EIGHT EACH	8.0 GPH
		TREES IN NATIVE	(2) CONCENTRIC DRIP RINGS EACH		
EMITTER NOTES					
1. ALL PLANT MATERIAL SHALL BE IRRIGATED WITH RAIN BIRD XB SERIES PRESSURE COMPENSATING EMITTERS.					
2. EMITTER SCHEDULE IS FOR REFERENCE ONLY. THE CONTRACTOR SHALL ADJUST EMITTER AND NUMBER OF EMITTERS BASED ON THE NEEDS OF INDIVIDUAL PLANTS OR PLANT HYDROZONES.					
3. 1/4" DISTRIBUTION TUBING NOT TO EXCEED 8' IN LENGTH.					
4. RAIN BIRD DBC-025 DIFFUSER BUG CAP AND TS-025 STAKE ON ALL 1/4" DISTRIBUTION TUBING EMISSION POINTS.					
5. REFER TO DRIP IRRIGATION DETAILS #1-5, ON DETAIL SHEET 3					

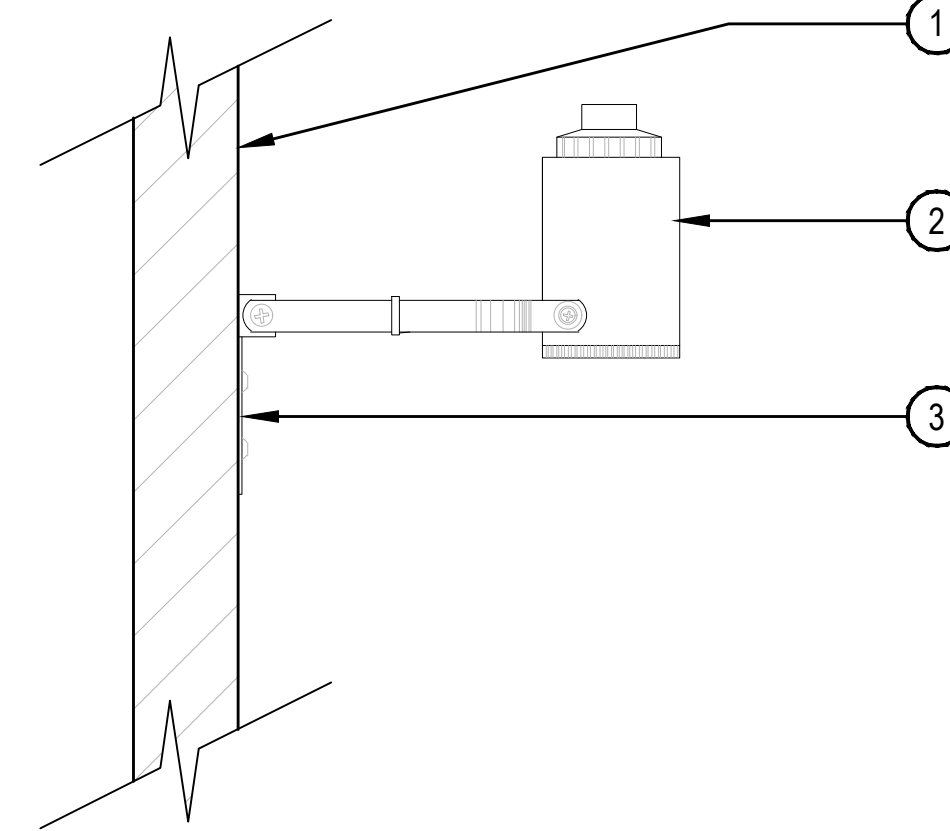


- NOTE:
1. ALL ELECTRICAL MATERIALS SHALL BE U.L. APPROVED FOR USE AS SHOWN.
 2. ALL ELECTRICAL AND CONTROLLER WIRE TO BE INSTALLED PER LOCAL CODE AND MANUFACTURER'S SPECIFICATIONS.
 3. GROUND CONTROLLER TO BUILDING PER LOCAL CODE AND/OR MANUFACTURER'S SPECIFICATIONS.
 4. PROVIDE WATERPROOF SEALANT FOR ALL CONDUIT AND WIRE ACCESS POINTS.

- 1 IRRIGATION CONTROLLER
- 2 BUILDING WALL
- 3 PROVIDE THROUGH WALL CONDUIT
- 4 CONDUIT 90° JUNCTION BOX THROUGH WALL (BOTH SIDES)
- 5 FINISH GRADE
- 6 UF DIRECT BURIAL WIRE TO REMOTE CONTROL VALVES
- 7 BUILDING WALL
- 8 WALL MOUNT CONTROLLER AT EYE-LEVEL INSTALL PER MANUFACTURER'S RECOMMENDATIONS
- 9 SCH. 80 PVC OR RIGID STEEL CONDUIT FOR CONTROL WIRES AND GROUNDING
- 10 120 VAC POWER SUPPLY JUNCTION BOX
- 11 FINISH FLOOR
- 12 MOUNT SENSOR RECEIVER ADJACENT TO CONTROLLER

1 CONTROLLER WALL MOUNT INTERIOR/EXTERIOR

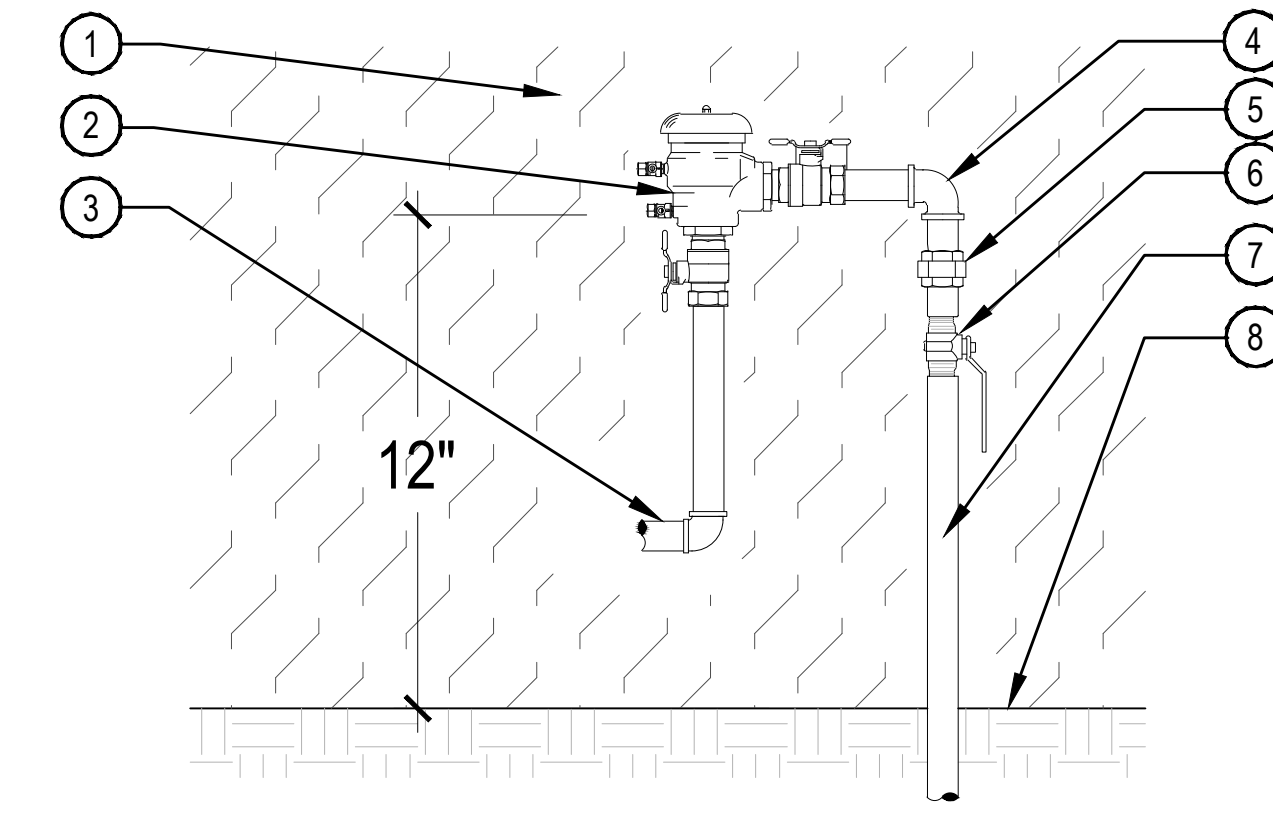
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- NOTE:
1. PROVIDE WATERPROOF SEALANT FOR ALL CONDUIT AND WIRE ACCESS POINTS.
 2. FINAL LOCATION AND MOUNTING SYSTEM TO BE DETERMINED BY OWNER.
 3. SENSOR SHOULD NOT BE MOUNTED UNDER TREES, IN AREAS AFFECTED BY SPRINKLER SYSTEM OR UNDER EAVE OF HOUSE.

2 RAIN SENSOR SURFACE MOUNT

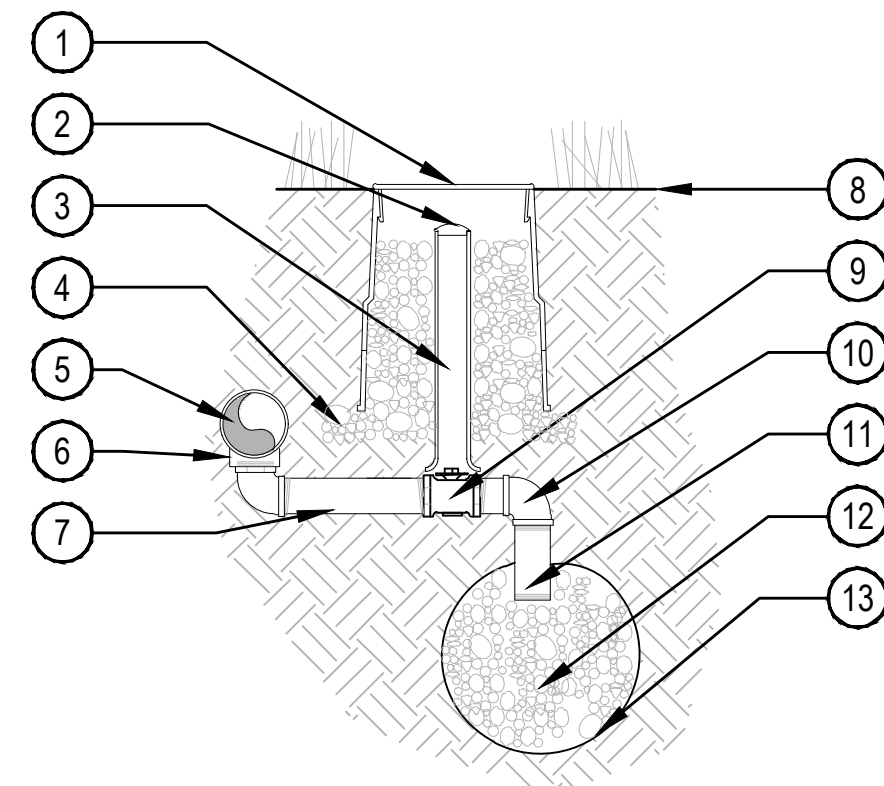
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- NOTE:
1. INSTALL PER LOCAL CODES AND MANUFACTURER'S SPECIFICATIONS.
 2. COORDINATE WITH PLUMBING CONTRACTOR AND OWNER'S REPRESENTATIVE PRIOR TO CONNECTION.
 3. PROVIDE PROPER OFFSET FROM WALL AND PIPING SUPPORTS FOR MAINTENANCE PER MANUFACTURER'S SPECIFICATIONS.
 4. PROVIDE FREEZE PROTECTION AROUND COPPER SUPPLY LINES FROM BUILDING.
 5. PRESSURE VACUUM BREAKER SHALL BE INSTALLED 12" HIGHER THAN ANY DISCHARGE POINT OF THE IRRIGATION SYSTEM; UTILIZE REDUCED PRESSURE ZONE (RPZ) ASSEMBLY IF SITE TOPOGRAPHY CONDITIONS PREVENT THE USE OF PVB.

3 PRESSURE VACUUM BREAKER

SCALE: NTS

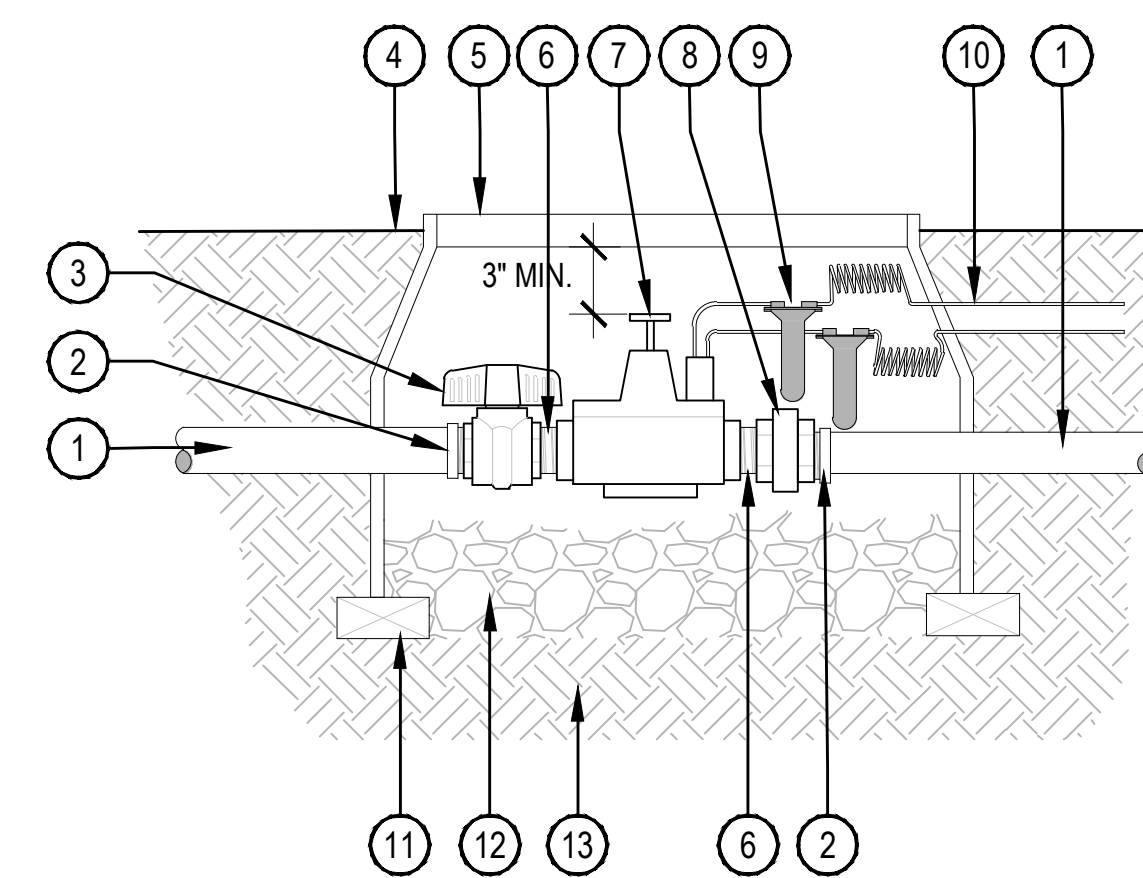


- NOTE:
1. ALL THREADED CONNECTIONS SHALL BE COATED WITH TEFLON TAPE.
 2. LOCATE DRAIN VALVE AT POINT OF CONNECTION AND AT ALL LOW POINT(S) ALONG THE IRRIGATION MAINLINE AS NEEDED.

- 1 10" ROUND BOX & COVER PER SCHEDULE. TOP OF BOX TO BE FLUSH WITH FINISH GRADE.
- 2 2" VALVE MARKER
- 3 2" CL 160 PVC ACCESS SLEEVE LENGTH AS REQUIRED.
- 4 3" DEPTH 3/4" CRUSHED GRAVEL 6" BEYOND EDGE OF BOX
- 5 PVC PRESSURE MAIN LINE
- 6 SCH. 80 TEE PER MAINLINE SIZE. ALIGN IN A DOWNWARD POSITION
- 7 SCH. 80 PVC NIPPLE
- 8 FINISH GRADE
- 9 1" BRONZE STOP VALVE WITH SLOTTED KEY OPERATOR
- 10 SCH. 80 PVC ELL
- 11 SCH. 80 PVC NIPPLE
- 12 3/4" GRAVEL SUMP - 1 CU. FT. MIN
- 13 SOIL BLANKET ENCLOSING SUMP AMOCO ENG. FABRIC 4545 - 4.5 OZ. OR EQUAL

4 MANUAL DRAIN VALVE

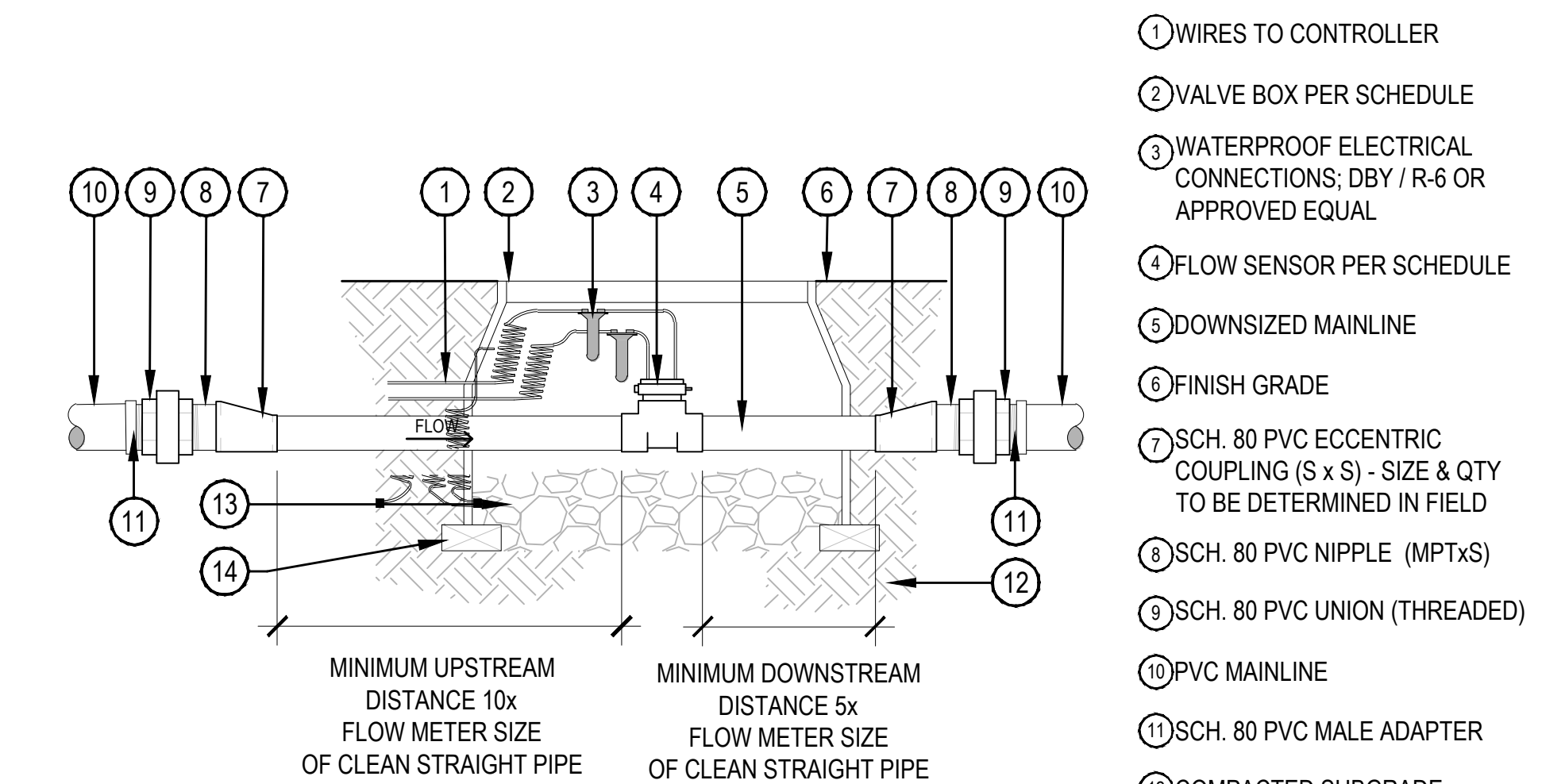
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- NOTE:
1. INSTALL MASTER VALVE PER MANUFACTURER'S SPECIFICATIONS FOR WIRING AND GROUNDING.
 2. 30" MINIMUM LENGTH OF CONTROL WIRE COILED AND PLACED IN BOX AT WATER PROOF CONNECTION TO SOLENOID.

5 MASTER VALVE

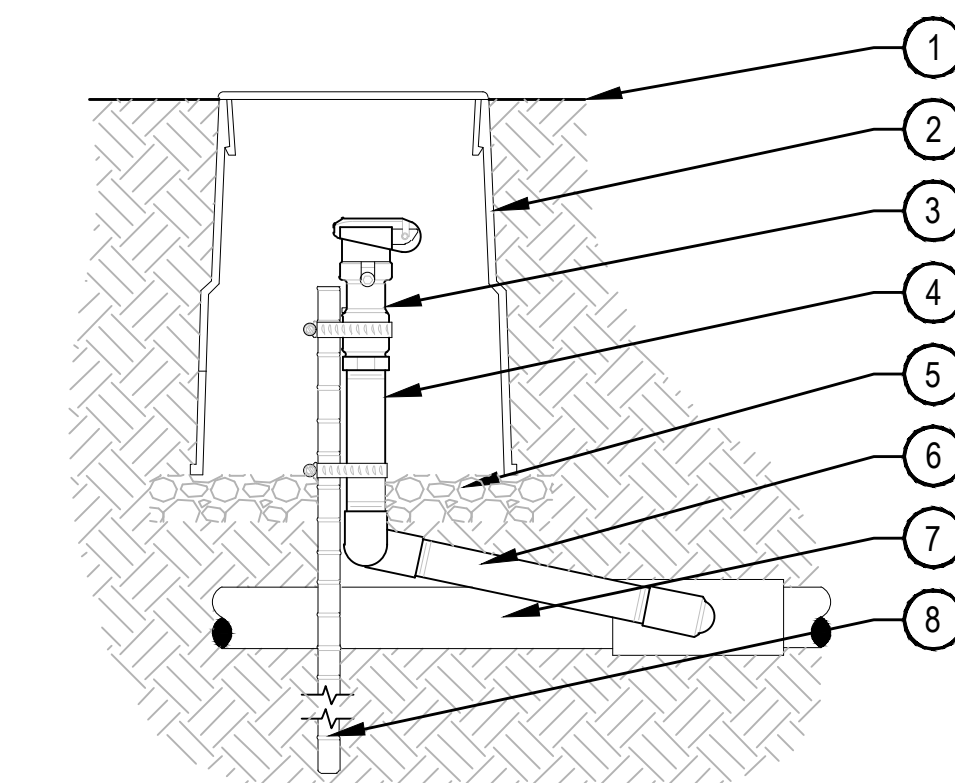
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- NOTE:
1. INSTALL FLOW SENSOR PER MANUFACTURER'S SPECIFICATIONS FOR WIRING AND GROUNDING.
 2. 30" MINIMUM LENGTH OF CONTROL WIRE COILED AND PLACED IN BOX AT WATER PROOF CONNECTION TO SOLENOID.

6 FLOW SENSOR

SCALE: NTS

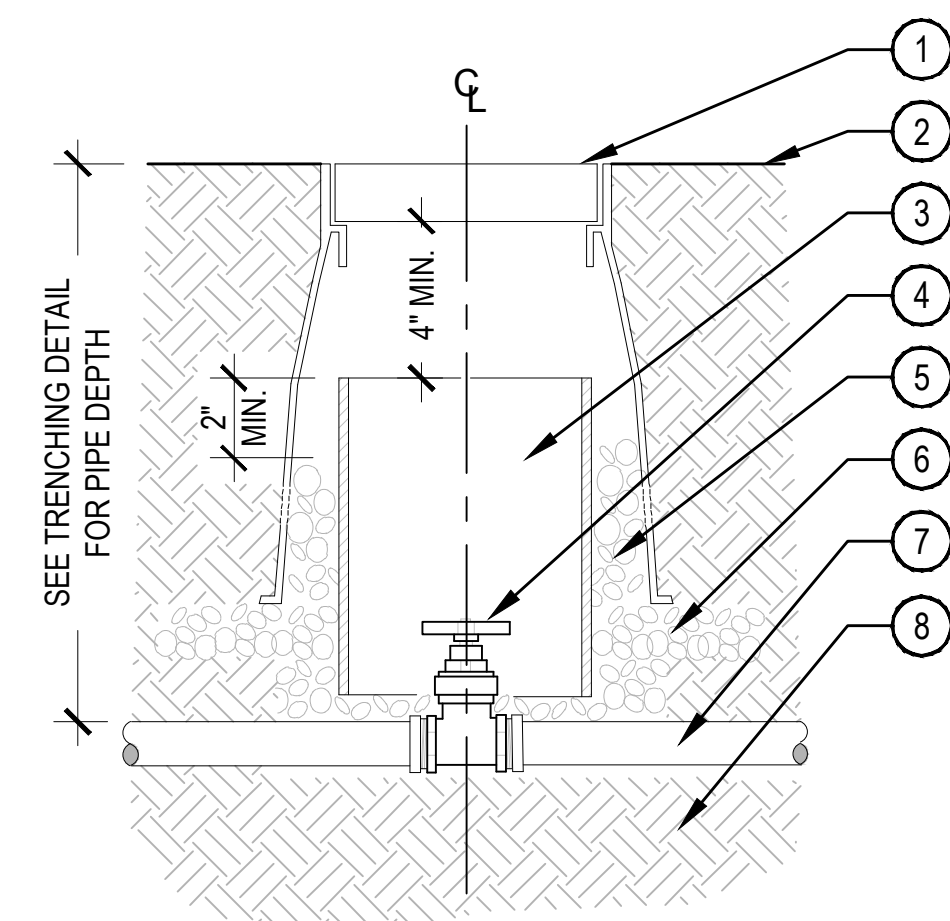


- NOTES:
1. EACH QUICK COUPLER SHALL BE IN A SEPARATE VALVE BOX.
 2. PROVIDE (1) QUICK COUPLER KEY FOR EACH QUICK COUPLER VALVE.
 3. QUICK COUPLER SHALL HAVE RUBBER COVER.
 4. COMPACT SOIL AROUND GATE VALVE ASSEMBLY TO THE SAME DENSITY AS ADJACENT UNDISTURBED SUB-GRADE.
 5. ALL THREADED CONNECTIONS SHALL BE COATED WITH TEFLON TAPE.

- 1 FINISH GRADE
- 2 10" ROUND BOX & COVER PER SCHEDULE. TOP OF BOX TO FLUSH WITH FINISH GRADE
- 3 QUICK COUPLING VALVE W/ COVER PER SCHEDULE
- 4 SCH. 80 PVC RISER (T x T)
- 5 3" DEPTH 3/4" GRAVEL BASE EXTEND 6" BEYOND EDGE OF BOX
- 6 PVC SWING JOINT (ASSEMBLED IN FIELD)
- 7 PVC MAINLINE
- 8 24" LONG #4 REBAR TO HOLD QUICK COUPLER IN PLACE W/ (2) STAINLESS STEEL CLAMPS

7 QUICK COUPLER

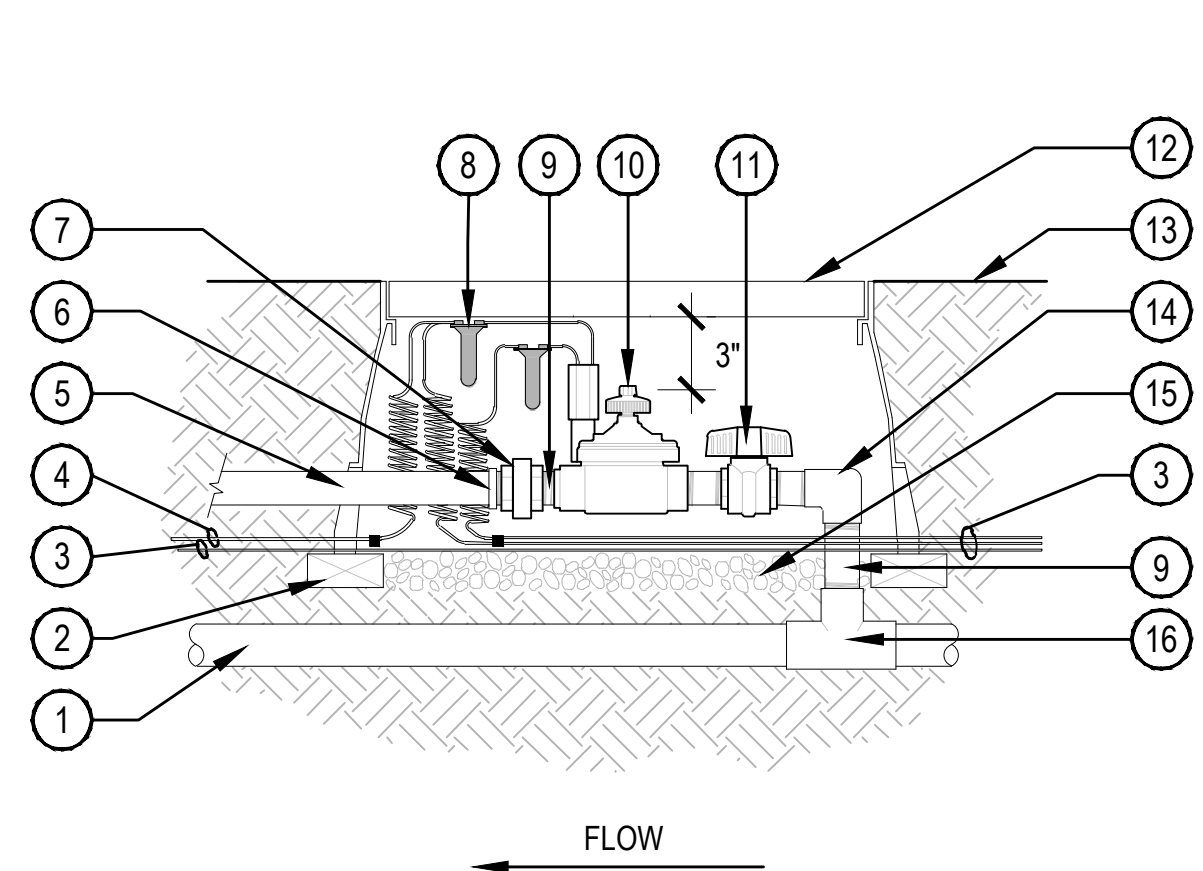
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- NOTE:
1. COMPACT SOIL AROUND GATE VALVE ASSEMBLY TO THE SAME DENSITY AS ADJACENT UNDISTURBED SUBGRADE.
 2. DO NOT REST VALVE BOX OR ACCESS SLEEVES ON MAINLINE OR LATERAL LINE.
 3. PROVIDE GATE VALVE KEY - LENGTH AS REQUIRED.

8 GATE VALVE

SCALE: NTS

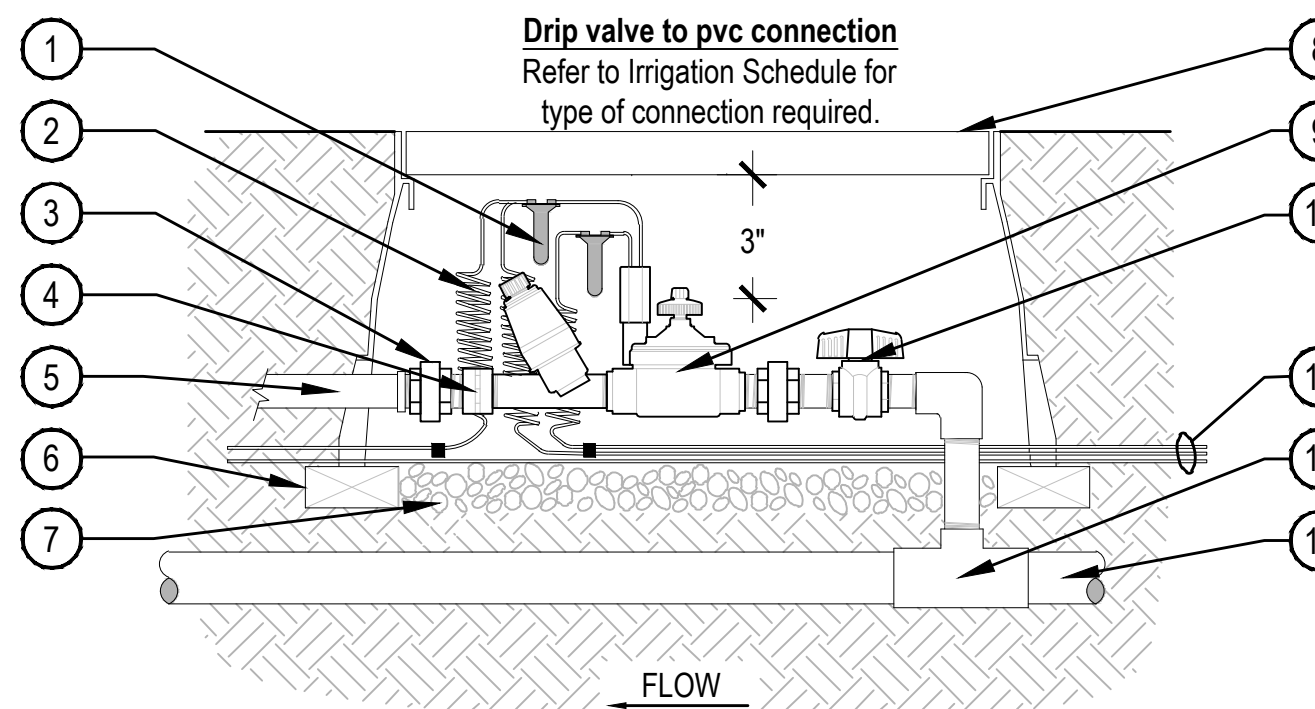


- ① PVC MAINLINE
- ② BRICK SUPPORT (4 MIN.)
- ③ CONTROL WIRE
- ④ COMMON WIRE TO NEXT VALVE(S)
- ⑤ PVC LATERAL
- ⑥ PVC MALE ADAPTER
- ⑦ SCH. 80 PVC UNION (THREADED)
- ⑧ WATERPROOF CONNECTORS; DBY / R-6 OR APPROVED EQUAL
- ⑨ (4) SCH. 80 PVC NIPPLE/ RISER (SIZE & LENGTH VARY)
- ⑩ CONTROL VALVE
- ⑪ SCH. 80 PVC BALL VALVE
- ⑫ VALVE BOX PER SCHEDULE
- ⑬ FINISH GRADE
- ⑭ PVC ELBOW (T x T)
- ⑮ 3/4" GRAVEL SUMP - 4" DEPTH
- ⑯ PVC TEE (S x S x T)

NOTE:
 1. INSTALL CONTROL VALVE PER MANUFACTURER'S RECOMMENDATIONS.
 2. 30" MINIMUM LENGTH OF CONTROL WIRE COILED AND PLACED IN BOX AT WATER PROOF CONNECTION TO SOLENOID.

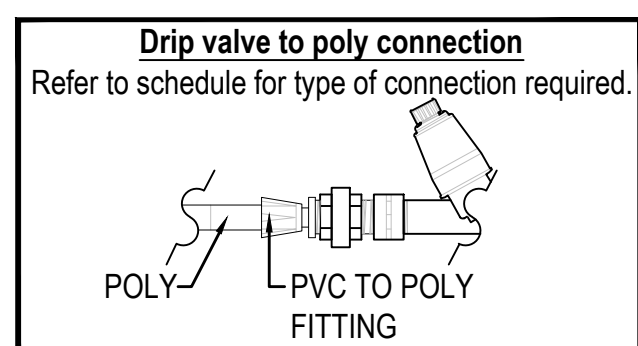
1 CONTROL VALVE

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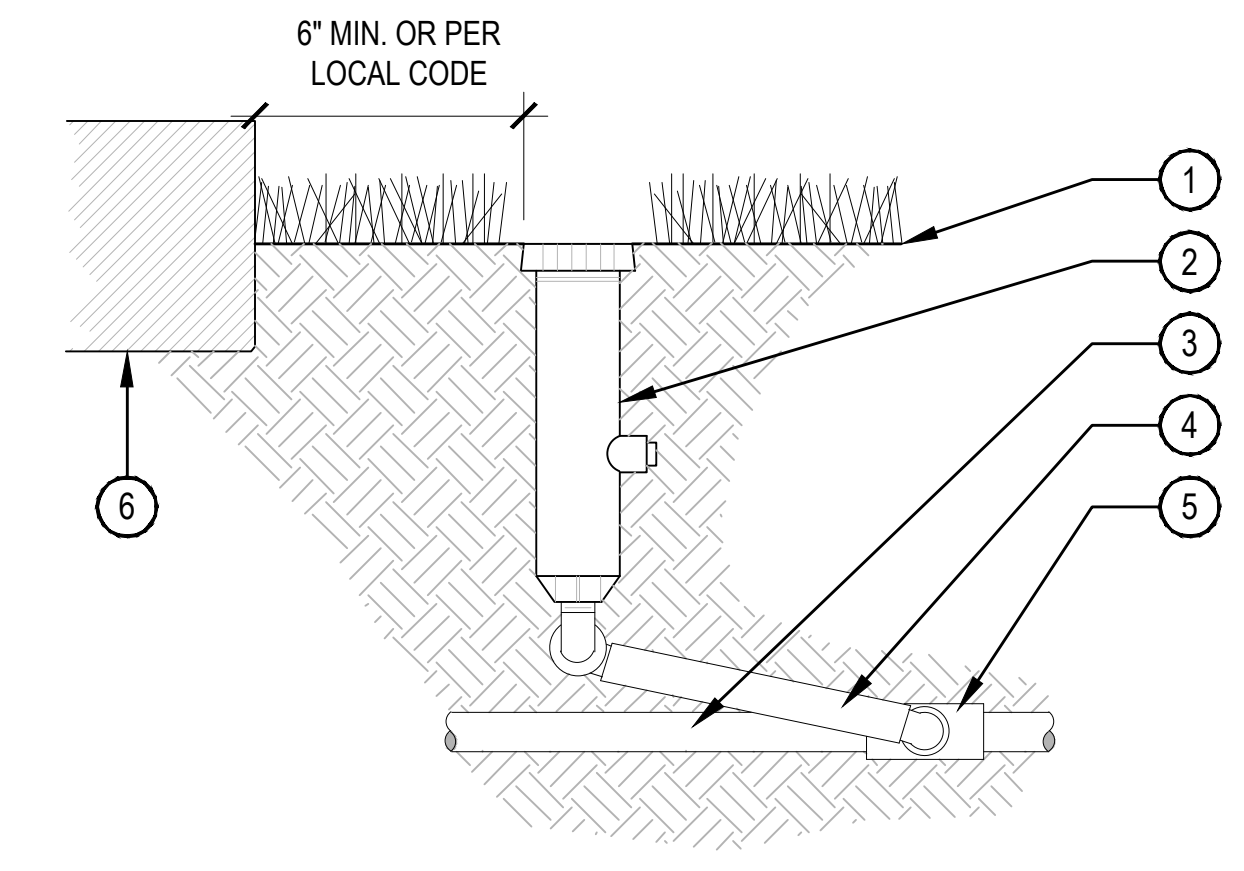
- ① WATERPROOF CONNECTORS; DBY / R-6 OR APPROVED EQUAL
- ② 30" COIL OF WIRE MINIMUM. PLACED IN BOX.
- ③ (2) SCH. 80 PVC UNION (THREADED)
- ④ PVC COUPLING (FPT x FPT)
- ⑤ PVC LATERAL
- ⑥ BRICK SUPPORT (4 MIN)
- ⑦ 4" DEPTH GRAVEL SUMP
- ⑧ VALVE BOX PER SCHEDULE, FLUSH TOP OF BOX W/ GRADE
- ⑨ CONTROL VALVE PER LEGEND
- ⑩ SCH. 80 PVC BALL VALVE
- ⑪ CONTROL AND COMMON WIRES FROM CONTROLLER
- ⑫ SCH. 80 PVC TEE (S x S x T)
- ⑬ PVC MAINLINE

NOTES:
 1. BUNDLE & TAPE WIRE EVERY 10 FT. SEAL WIRE ENDS WITH WATERPROOF SPLICING MATERIAL.
 2. 30" MINIMUM LENGTH OF CONTROL WIRE COILED AND PLACED IN BOX AT WATER PROOF CONNECTION TO SOLENOID.
 3. INSTALL DRIP CONTROL ZONE KIT PER MANUFACTURER'S SPECIFICATIONS FOR WIRING



2 DRIP CONTROL ZONE KIT

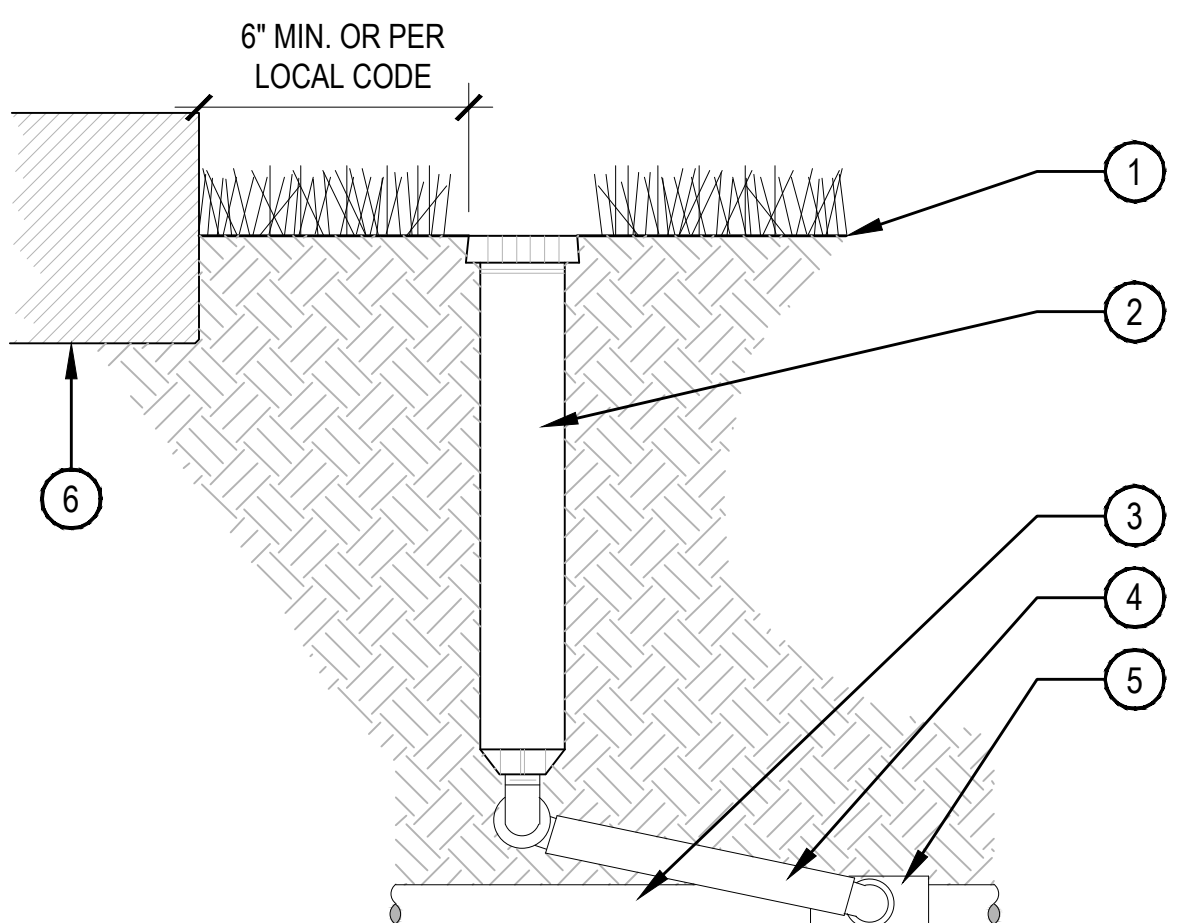
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NOTE:
 1. AFTER FLUSHING HEADS, REGRADE AND COMPACT AS NEEDED TO RETURN TO FINISH GRADE.
 2. SPRINKLERS SHALL BE MIN. 6" FROM ANY WALLS, WALKS, COURTS, AND 12" FROM TURF EDGE.
 3. ADJUST ALL SPRINKLERS HEADS SO THAT NO OVERSPRAY OCCURS ON ANY WALLS, WALKS, COURTS, ETC.
 4. ALL THREADED CONNECTIONS SHALL BE COATED WITH TEFLON TAPE.
 5. COMPACT SOIL AROUND HEAD TO THE SAME DENSITY AS ADJACENT UNDISTURBED SUBGRADE.

3 SPRAY POP-UP

SCALE: NTS

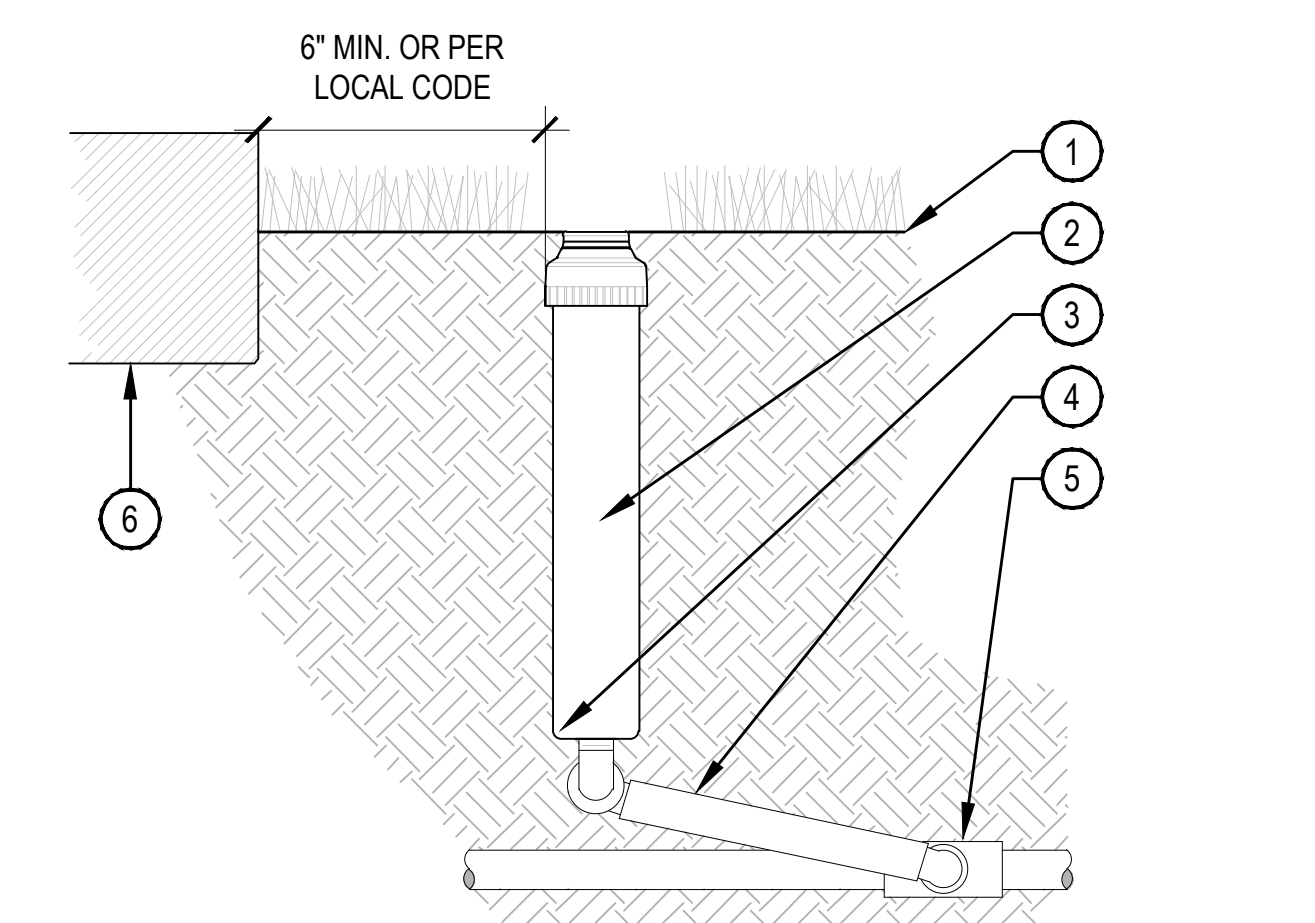


- ① FINISH GRADE
- ② 12" POP-UP SPRAY HEAD PER SCHEDULE
- ③ PVC LATERAL PIPE PER SCHEDULE
- ④ SWING JOINT ASSEMBLY
- ⑤ PVC SCH. 40 TEE OR ELL (S x T)
- ⑥ WALLS, WALKS, COURTS, CURB, ETC.

NOTE:
 1. AFTER FLUSHING HEADS, REGRADE AND COMPACT AS NEEDED TO RETURN TO FINISH GRADE.
 2. SPRINKLERS HEAD SHALL BE LEVEL WITH SURROUNDING FINISHED GRADE.
 3. ADJUST ALL SPRINKLERS HEADS SO THAT NO OVERSPRAY OCCURS ON ANY WALLS, WALKS, COURTS, ETC.
 4. ALL THREADED CONNECTIONS SHALL BE COATED WITH TEFLON TAPE.
 5. COMPACT SOIL AROUND HEAD TO THE SAME DENSITY AS ADJACENT UNDISTURBED SUBGRADE.

4 12 INCH POP-UP SPRAY

SCALE: NTS

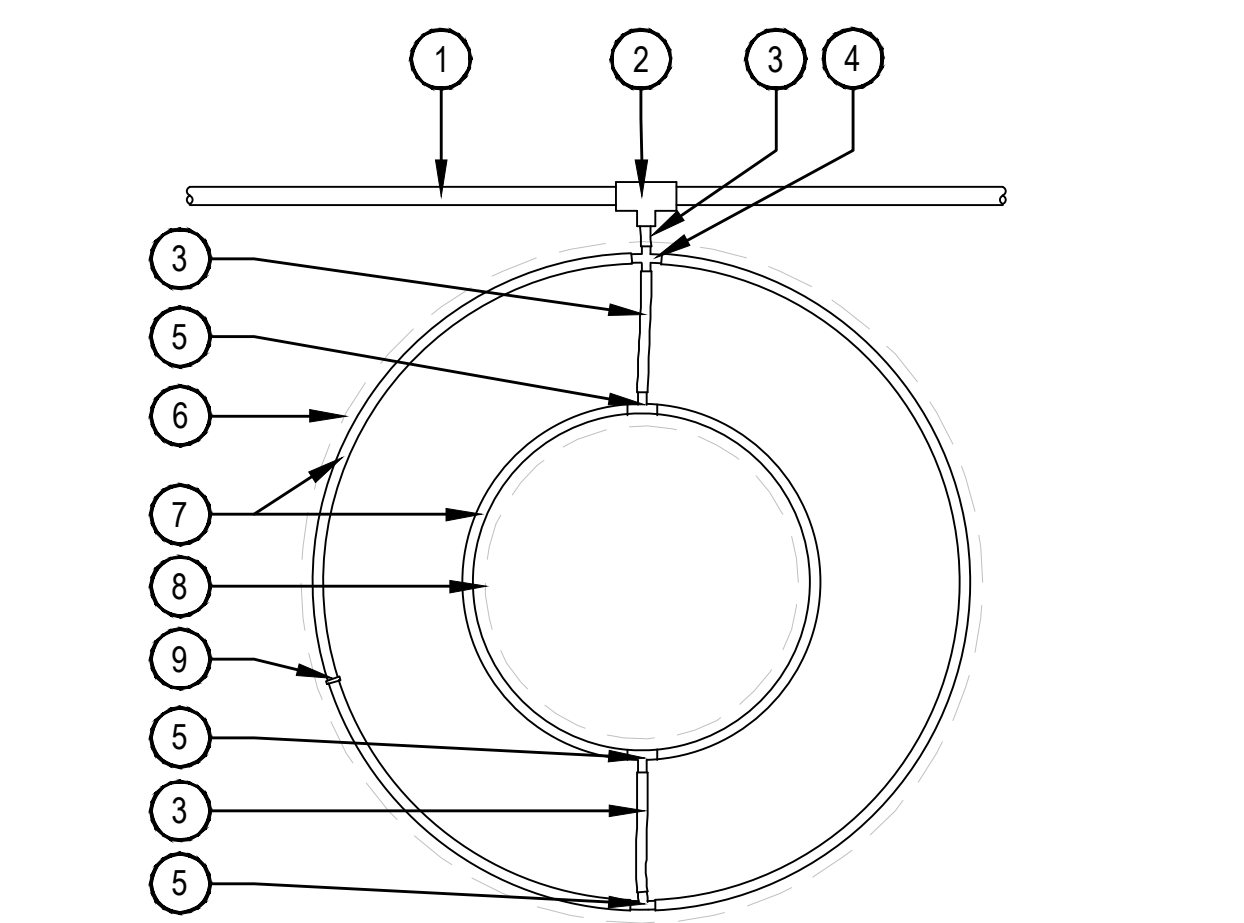


- ① FINISH GRADE
- ② ROTOR - SIZE PER PLAN
- ③ PVC LATERAL PIPE
- ④ SWING JOINT ASSEMBLED IN THE FIELD
- ⑤ PVC SCH. 40 TEE OR ELL (S x T)
- ⑥ WALLS, WALKS, COURTS, CURB, ETC.

NOTE:
 1. SET TOP OF HEAD FLUSH WITH FINISH GRADE.
 2. ADJUSTABLE ARC NOZZLES SHALL BE USED ON CURVED OR NON-STANDARD ANGLED EDGES.
 3. ROTORS SHALL BE INSTALLED 6" MINIMUM FROM ANY WALLS, WALKS, COURTS, ETC. PER LOCAL CODES
 4. ADJUST ALL ROTOR HEADS SO THAT NO OVERSPRAY OCCURS ON ANY WALLS, WALKS, COURTS, ETC.
 5. ALL THREADED CONNECTIONS SHALL BE COATED WITH TEFLON TAPE.

5 12" ROTOR POP-UP

SCALE: NTS

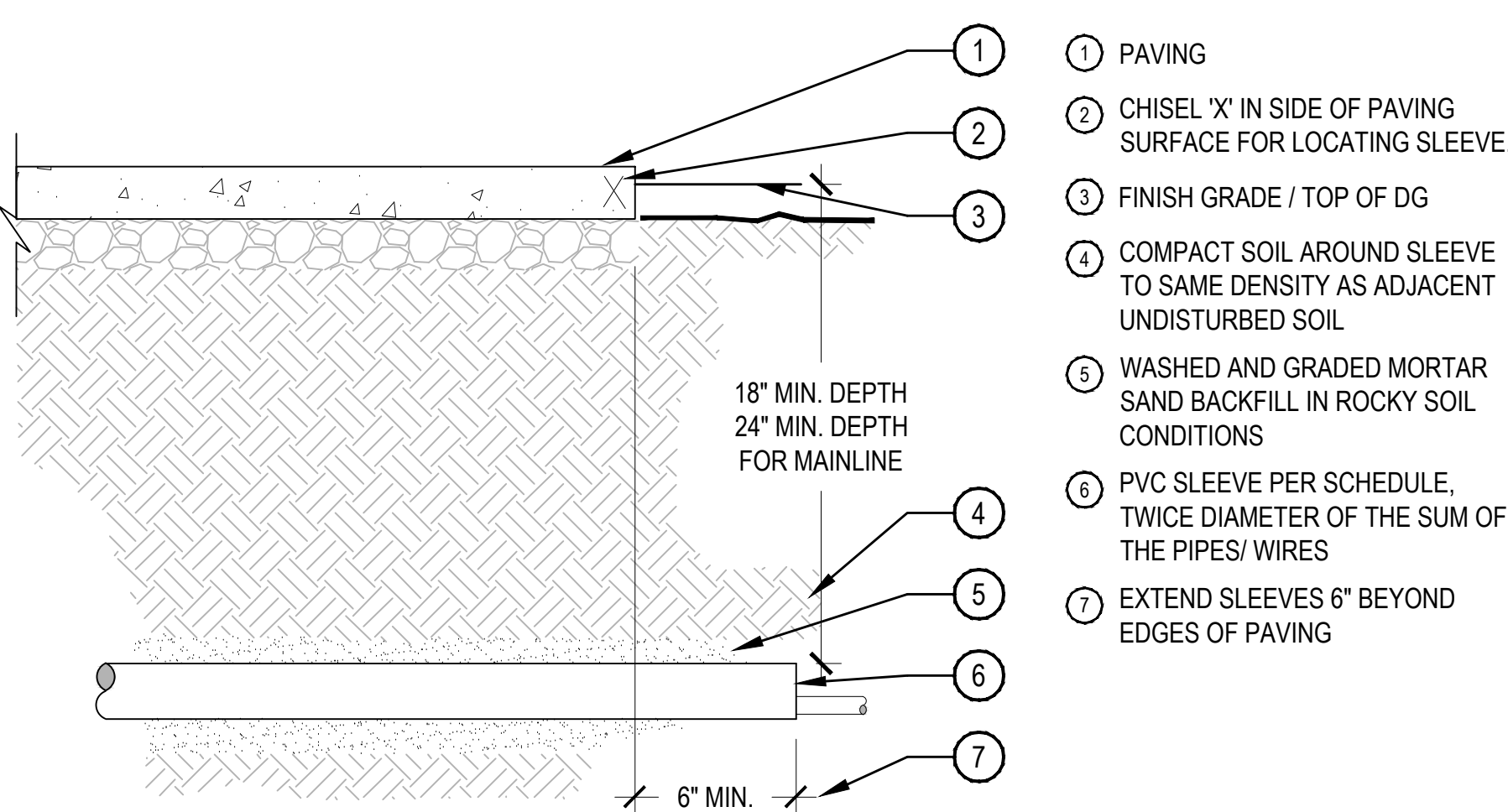


- ① PVC DRIP MANIFOLD PIPE
- ② PVC SCH 40 TEE OR EL
- ③ DRIP BLANK TUBING
- ④ CROSS INSERT FITTING
- ⑤ TEE INSERT FITTING
- ⑥ PROJECTED CANOPY LINE OF TREE
- ⑦ SUB-SURFACE DRIPLINE
- ⑧ ROOT BALL
- ⑨ TIE DOWN STAKE

NOTE:
 1. DISTANCE BETWEEN LATERAL RINGS AND EMITTER SPACING TO BE BASED ON SOIL TYPE, AND TREE CANOPY. SEE RAIN BIRD XF-SDI DRIPLINE INSTALLATION GUIDE FOR SUGGESTED SPACING.
 2. PLACE TIE DOWN STAKES EVERY THREE FEET IN SAND, FOUR FEET IN LOAM, AND FIVE FEET IN CLAY.
 3. AT FITTINGS WHERE THERE IS A CHANGE OF DIRECTION SUCH AS TEES OR ELBOWS, USE TIE-DOWN STAKES ON EACH LEG OF THE CHANGE OF DIRECTION.

6 DRIPLINE TREE RING

SCALE: NTS

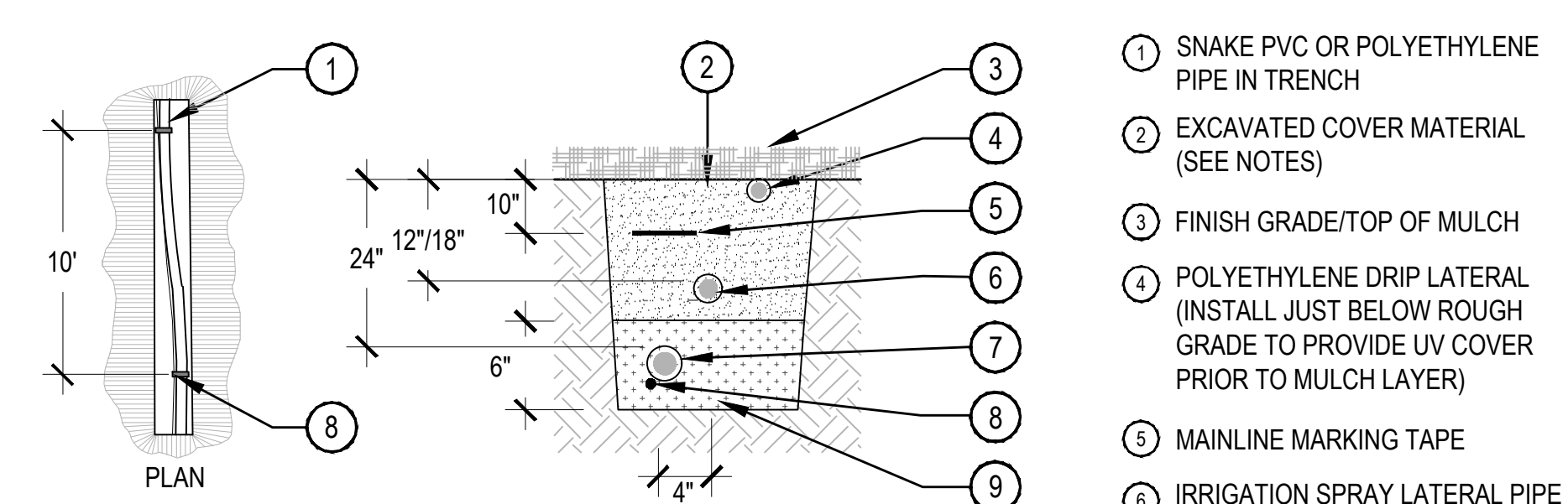


- ① PAVING
- ② CHISEL 'X' IN SIDE OF PAVING SURFACE FOR LOCATING SLEEVE.
- ③ FINISH GRADE / TOP OF DG
- ④ COMPACT SOIL AROUND SLEEVE TO SAME DENSITY AS ADJACENT UNDISTURBED SOIL
- ⑤ WASHED AND GRADED MORTAR SAND BACKFILL IN ROCKY SOIL CONDITIONS
- ⑥ PVC SLEEVE PER SCHEDULE, TWICE DIAMETER OF THE SUM OF THE PIPES/ WIRES
- ⑦ EXTEND SLEEVES 6" BEYOND EDGES OF PAVING

NOTE:
 1. ALL SLEEVES SHALL BE INSPECTED PRIOR TO BACKFILLING.
 2. CAP SLEEVES UNTIL USE.
 3. MULTIPLE SLEEVES REQUIRE 4" HORIZONTAL SEPARATION WITHIN SAME SLEEVE TRENCH.
 4. IRRIGATION PIPE AND WIRE SHALL NOT SHARE THE SAME SLEEVE.

7 PIPE SLEEVE

SCALE: NTS

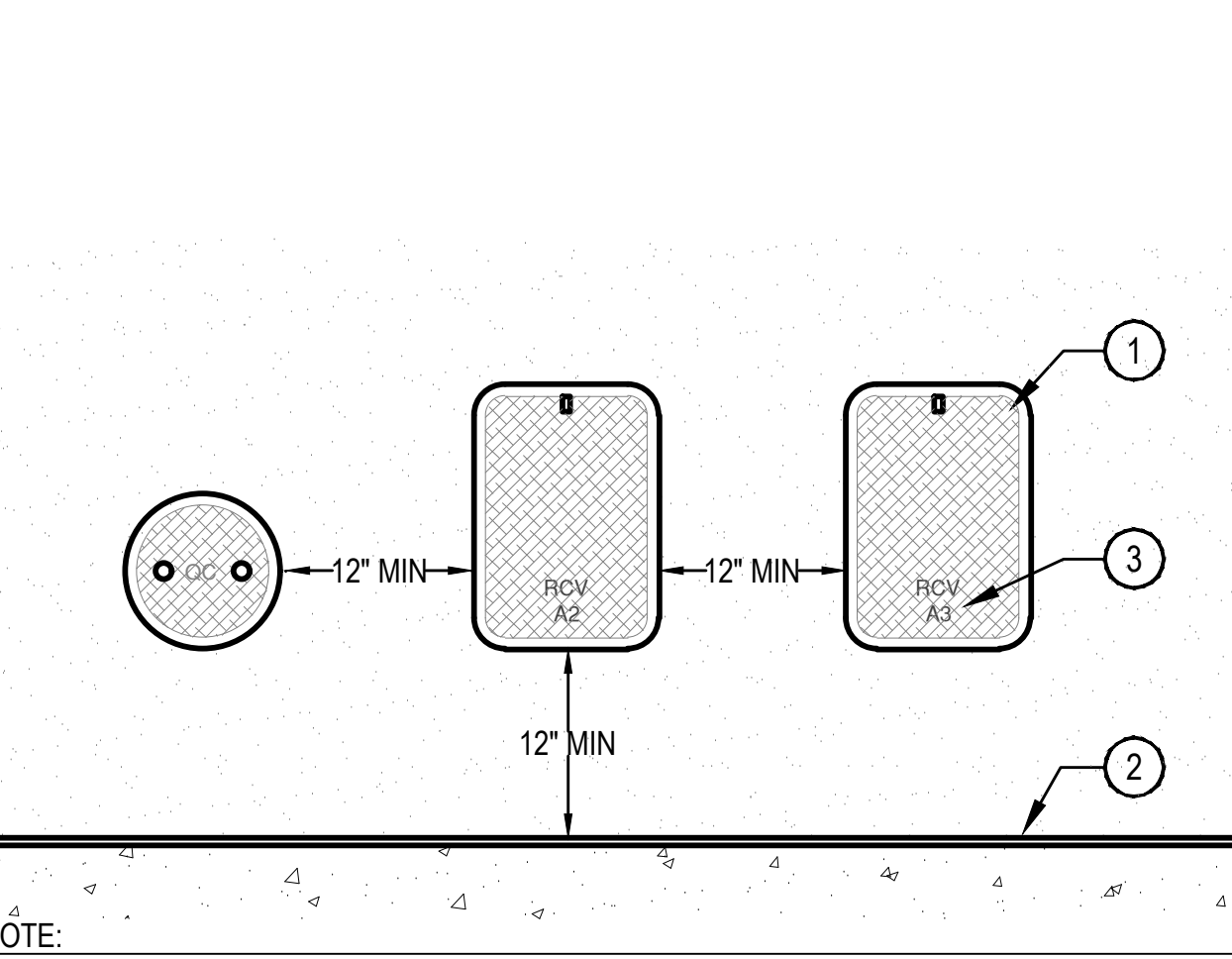


- ① SNAKE PVC OR POLYETHYLENE PIPE IN TRENCH
- ② EXCAVATED COVER MATERIAL (SEE NOTES)
- ③ FINISH GRADE/TOP OF MULCH
- ④ POLYETHYLENE DRIP LATERAL (INSTALL JUST BELOW ROUGH GRADE TO PROVIDE UV COVER PRIOR TO MULCH LAYER)
- ⑤ MAINLINE MARKING TAPE
- ⑥ IRRIGATION SPRAY LATERAL PIPE 12" DEPTH FOR SPRAY LATERALS 18" FOR ROTOR LATERALS
- ⑦ IRRIGATION MAINLINE PIPE
- ⑧ VALVE WIRING. BUNDLE AND TAPE PER IRRIGATION NOTES
- ⑨ BEDDING MATERIAL (SEE NOTES)

NOTE:
 1. ALL MAINLINES TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
 2. ALL PVC PIPING TO BE SNAKED IN TRENCHES AS SHOWN IN PLAN VIEW ABOVE.
 3. PROVIDE HORIZONTAL OFFSET FOR PIPING IN SHARED TRENCHES.
 4. ALL 120 VOLT WIRING IN CONDUIT TO BE INSTALLED AS PER LOCAL CODES.
 5. ALL ELECTRICAL WIRE CONNECTIONS TO VALVES AND SPLICES TO BE INSTALLED WITHIN A VALVE BOX AND MADE WITH DBY WATERPROOF CONNECTORS, OR APPROVED EQUAL.
 6. BUNDLE AND TAPE CONTROLLER WIRING PER NOTES AND INSTALL WITHIN MAINLINE TRENCH WHEREVER POSSIBLE.
 7. CONTROLLER WIRE TO BE BURIED AT 18" MIN DEPTH IF NOT LOCATED WITH MAINLINE.
 8. MAINLINE BEDDING MATERIAL SHALL BE 1/4" MINUS SAND, AND SHALL BE 3" BELOW PIPE OR WIRE AND 3" ABOVE MAINLINE.
 9. BEDDING IS NOT REQUIRED IN POLYETHYLENE TUBING TRENCHES OR SHARED TRENCHES.
 10. EXCAVATED COVER MATERIAL SHALL BE FREE FROM DEBRIS AND ROCKS 1/2" OR GREATER.

8 PIPE TRENCH

SCALE: NTS

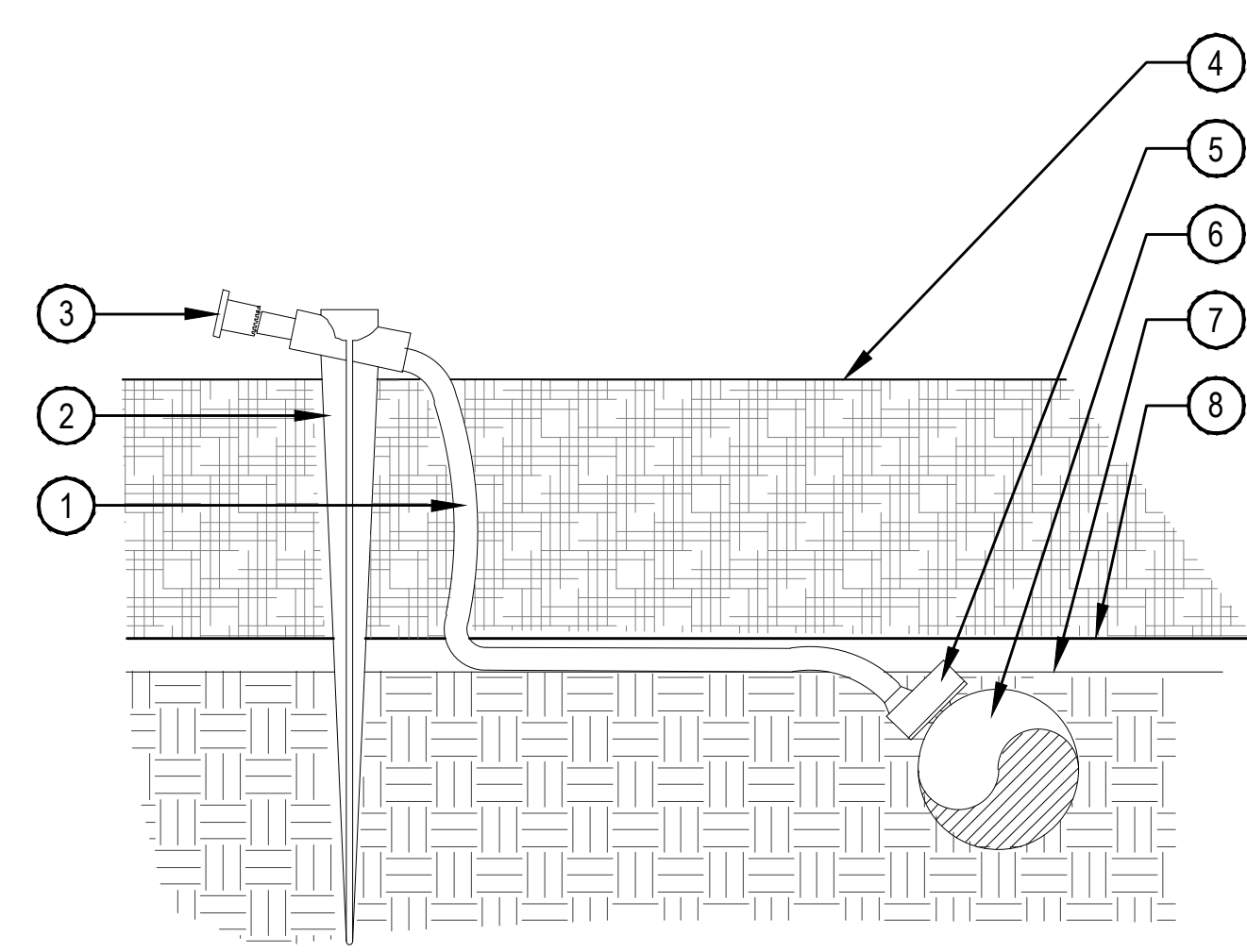


- ① VALVE BOX; ALIGN EVENLY AND SPACE EVENLY FROM SIDEWALK, STRUCTURE, WALL, OR CURB
- ② SIDEWALK OR PAVING
- ③ VALVE BOX LID BRANDED WITH CONTROLLER & STATION NUMBER

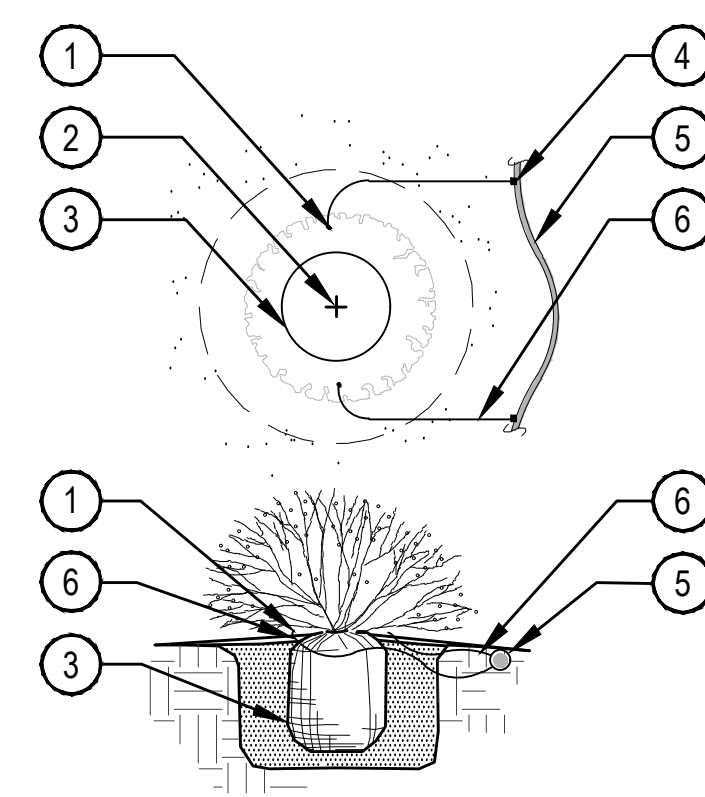
NOTE:
 1. INSTALL ONLY ONE RCV TO VALVE BOX. LOCATE AT LEAST 12-INCHES FROM AND ALIGN WITH NEARBY WALLS OR EDGES OF PAVED AREAS. GROUP RCV ASSEMBLIES TOGETHER WHERE PRACTICAL.
 2. GROUP VALVE ASSEMBLIES TOGETHER WHERE PRACTICAL, BUT AVOID GROUPING MORE THAN THREE (3) STANDARD VALVE BOXES TOGETHER IN A SERIES.
 3. ARRANGE GROUPED VALVE BOXES IN RECTANGULAR PATTERNS.

9 VALVE BOX PLACEMENT

SCALE: NTS

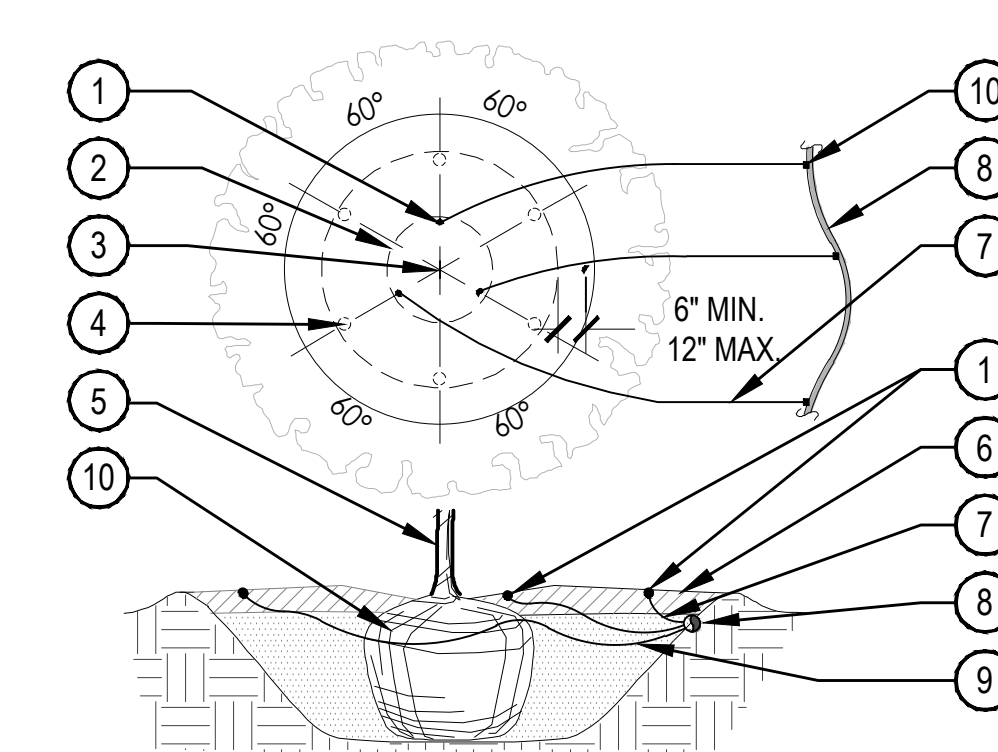


- 1 1/4" DISTRIBUTION TUBING. RUN TUBING UNDER WEED BARRIER FABRIC TO PLANT. LENGTH NOT TO EXCEED 8'
- 2 UNIVERSAL 1/4" STAKE
- 3 DIFFUSER CAP
- 4 TOP OF MULCH
- 5 PRESSURE COMPENSATING EMITTER PER EMITTER SCHEDULE. INSTALL EMITTER AT 45° TO 60° ANGLE
- 6 3/4" POLYETHYLENE TUBING SET WITH TOP OF TUBING FLUSH WITH FINISH GRADE OF SOIL
- 7 FINISH GRADE OF SOIL
- 8 WEED BARRIER FABRIC



- 1 DIFFUSER CAP W/ DRIP STAKE
- 2 PLANT CENTER
- 3 PLANT ROOTBALL
- 4 SINGLE OUTLET EMITTER
- 5 3/4" POLYETHYLENE DRIP TUBING (LENGTH NOT TO EXCEED 8')
- 6 1/4" DISTRIBUTION TUBING (LENGTH NOT TO EXCEED 8')

- NOTE:
1. EMITTERS SHALL BE EQUALLY SPACED AROUND ROOTBALL.
 2. FLUSH ALL LINES THOROUGHLY PRIOR TO EMITTER INSTALLATION.
 3. IF PLANTING ON A 4:1 SLOPE OR STEEPER, INSTALL EMITTERS ON THE UPHILL SIDE OF PLANT.
 4. EMITTERS SHALL BE SELF-FLUSHING PRESSURE COMPENSATING-TYPE UNLESS NOTED OTHERWISE.
 5. DRIP VALVE ZONES (HYDROZONES) ARE DESIGNED TO ACCOUNT FOR DIFFERENCES IN PLANT REQUIREMENTS AND SUN EXPOSURE.
 6. CONTRACTOR SHALL ENSURE HYDROZONES ARE VALVED SEPARATELY AS SHOWN ON PLAN.

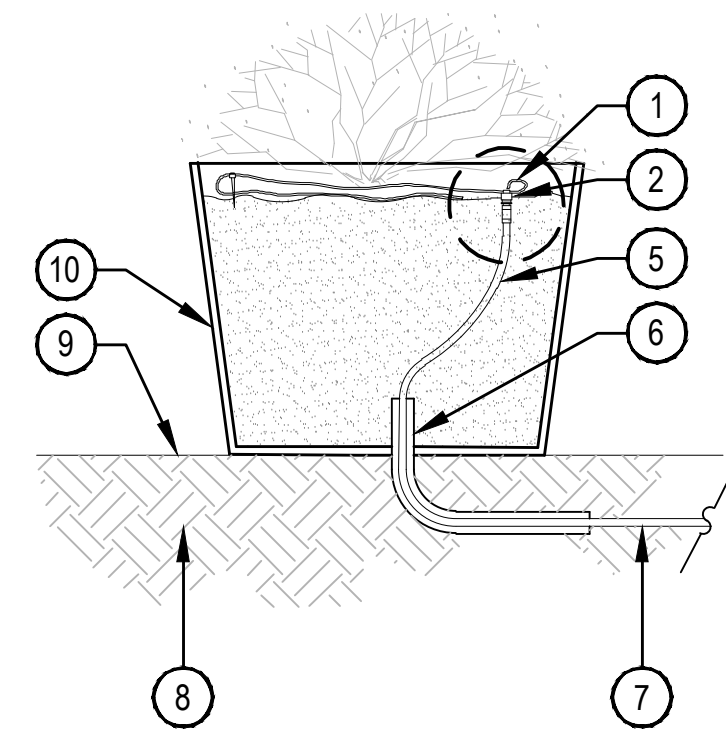


- NOTE:
1. MAXIMUM LENGTH OF ONE DISTRIBUTION TUBE SHALL BE 8'.
 2. ALL EMISSION POINTS SHALL BE LOCATED ON UPHILL SIDE OF PLANT MATERIAL. ONE EMISSION POINT SHALL BE DIRECTLY TO PLANT BALL AS INDICATED. ADDITIONAL EMISSION POINTS SHALL BE WITHIN PLANT PIT PERIMETER AS DIRECTED IN THE EMITTER SCHEDULE.
 3. SECOND EMISSION POINTS (IF NEEDED) AS PER THE EMITTER SCHEDULE FOR TREES WITH 3" CALIPER OR GREATER OR CONIFEROUS TREES 10' OR GREATER IN HEIGHT.
 4. THIS IS A WATERING GUIDE ONLY. SITE, SOIL AND PLANT CONDITIONS VARY GREATLY. CONTRACTOR MUST OBSERVE THE PLANT MATERIAL AND MAKE ADJUSTMENTS AS NECESSARY FOR PROPER PLANT WATER REQUIREMENT.

- 1 EMISSION POINT. DIFFUSER CAP W/ DRIP STAKE (TYP.)
- 2 PLANT ROOT BALL (TYP.)
- 3 PLANT CENTER (TYP.)
- 4 SECOND EMISSION POINTS SEE NOTE 3 BELOW
- 5 TREE TRUNK
- 6 MULCH LAYER
- 7 1/4" DISTRIBUTION TUBING (LENGTH NOT TO EXCEED 8')
- 8 3/4" POLYETHYLENE DRIP TUBING
- 9 SINGLE OUTLET EMITTER
- 10 ROOTBALL

1 SINGLE OUTLET EMITTER

SCALE: NTS

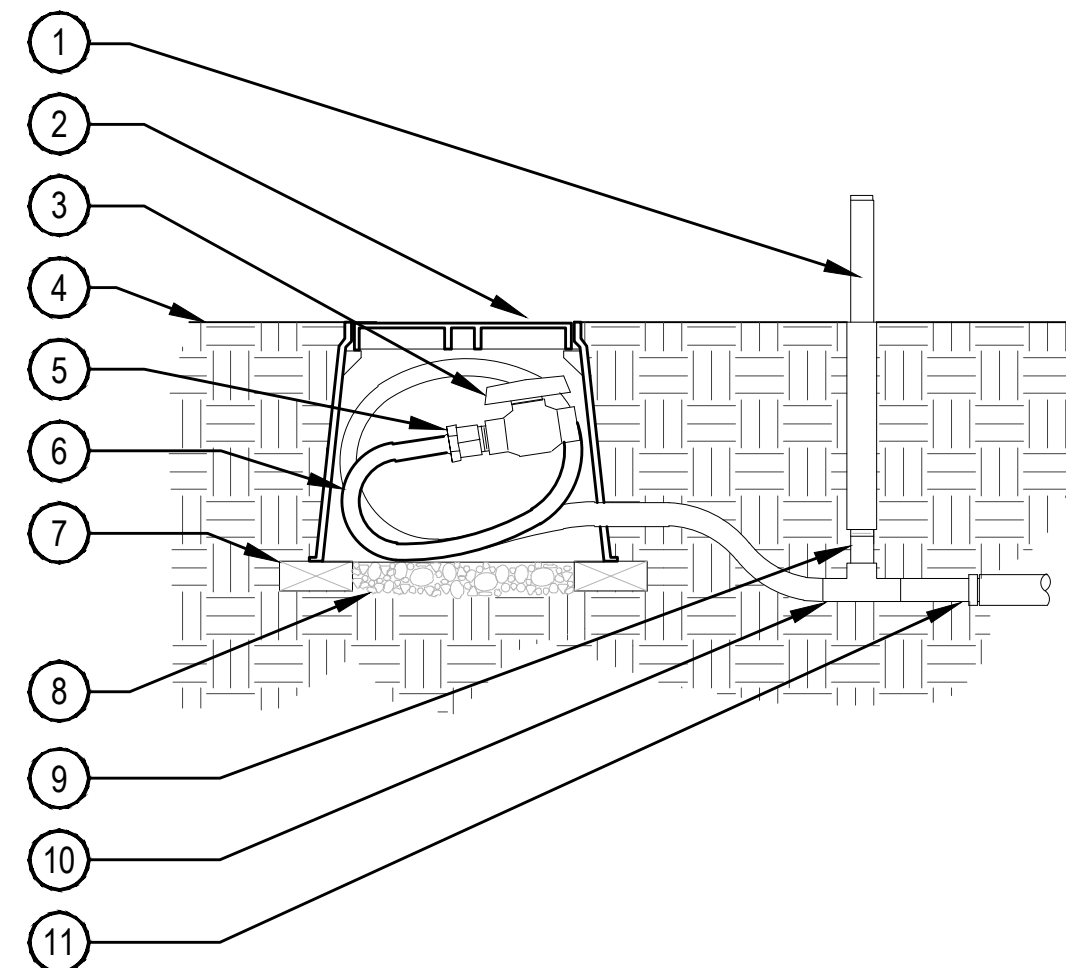


- 1 1/4" RAIN BIRD LDO-08-06 10' COIL AROUND PLANTER W/ STAKE (RAIN BIRD TS-025)
- 2 RAIN BIRD XT025 DRIP TRANSFER FITTING
- 3 1/2" RAIN BIRD MDCF-50MPT DRIP MALE ADAPTER FITTING
- 4 RAIN BIRD MDCF-COUP DRIP COUPLING FITTING
- 5 1/2" RAIN BIRD XF SERIES BLANK TUBING
- 6 1-1/2" CONDUIT SLEEVING
- 7 BLANK TUBING TO VALVE
- 8 PLANTING BED
- 9 FINISH GRADE
- 10 PLANTER PER LANDSCAPE PLANS

- NOTES:
1. CONTRACTOR SHALL ALLOCATE ADDITIONAL LENGTH IN BLANK TUBING WITHIN PLANTER FOR MAINTENANCE PURPOSES.
 2. CONDUIT SLEEVING TO EXTEND 2 FEET FROM PLANTER BOX.

2 SINGLE OUTLET EMITTER PLACEMENT

SCALE: NTS



- 1 6" ECO-OPERATIONAL INDICATOR
- 2 ROUND BOX & COVER PER SCHEDULE. TOP OF BOX TO BE FLUSH WITH FINISH GRADE
- 3 1/2" SCH. 40 PVC BALL VALVE
- 4 FINISH GRADE
- 5 1/2" MxI MALE ADAPTER W/ CLAMPS
- 6 1/2" POLYETHYLENE DRIP TUBING - 24" COIL IN BOX FOR MAINTENANCE
- 7 BRICK (2 REQUIRED MIN.)
- 8 3/4" GRAVEL SUMP, 4" DEPTH
- 9 1/2" SCH. 80 NIPPLE (LENGTH AS NEEDED)
- 10 1/2"x1/2"x1/2" IxIF INSERT TEE
- 11 3/4" X 1/2" POLY ADAPTER

- NOTE:
1. COMPACT SOIL AROUND VALVE BOX TO THE SAME DENSITY AS ADJACENT UNDISTURBED SUBGRADE.
 2. INSTALL OPERATIONAL INDICATOR WITHIN 24" OF FLUSH VALVE.
 3. ALL THREADED CONNECTIONS SHALL BE COATED WITH TEFLON TAPE.

4 DRIP EMITTERS IN RAISED PLANTER WITHIN PLANTING BED

NTS

5 DRIP FLUSH VALVE WITH OPERATIONAL INDICATOR

SCALE: NTS