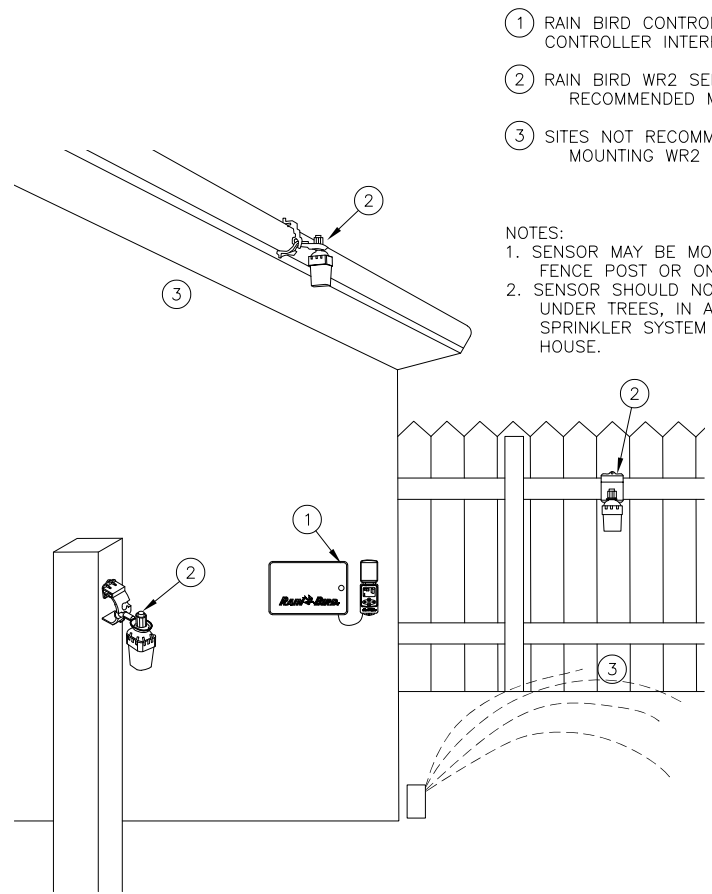
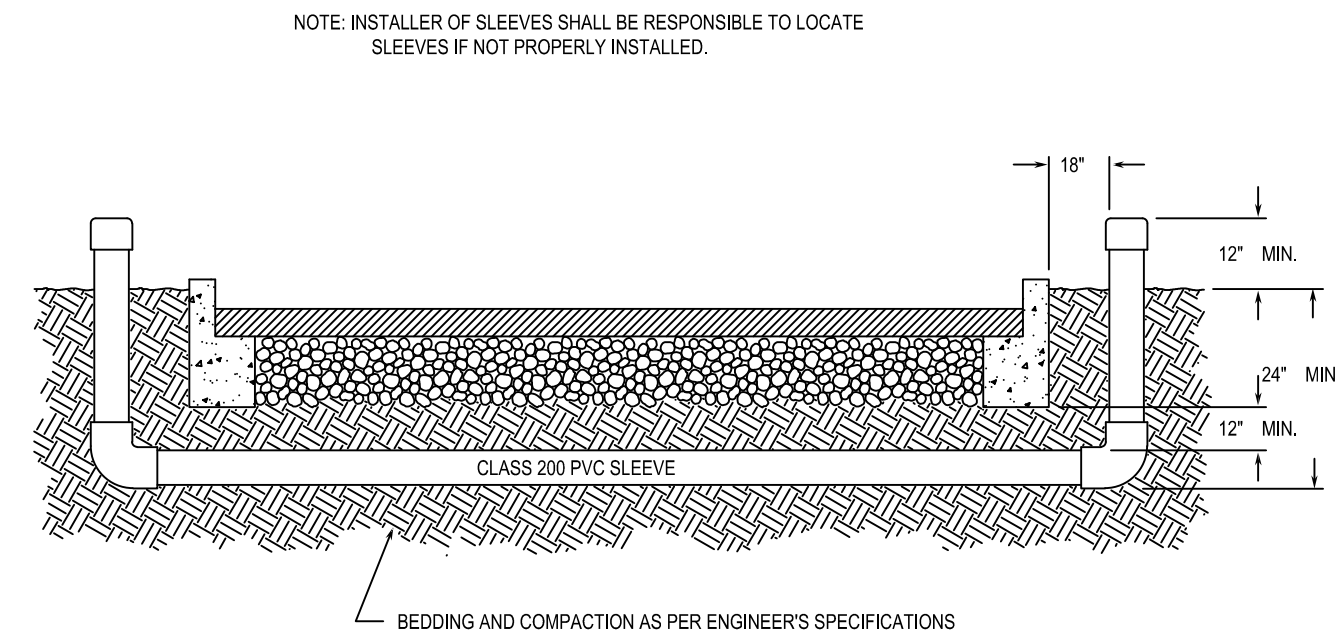
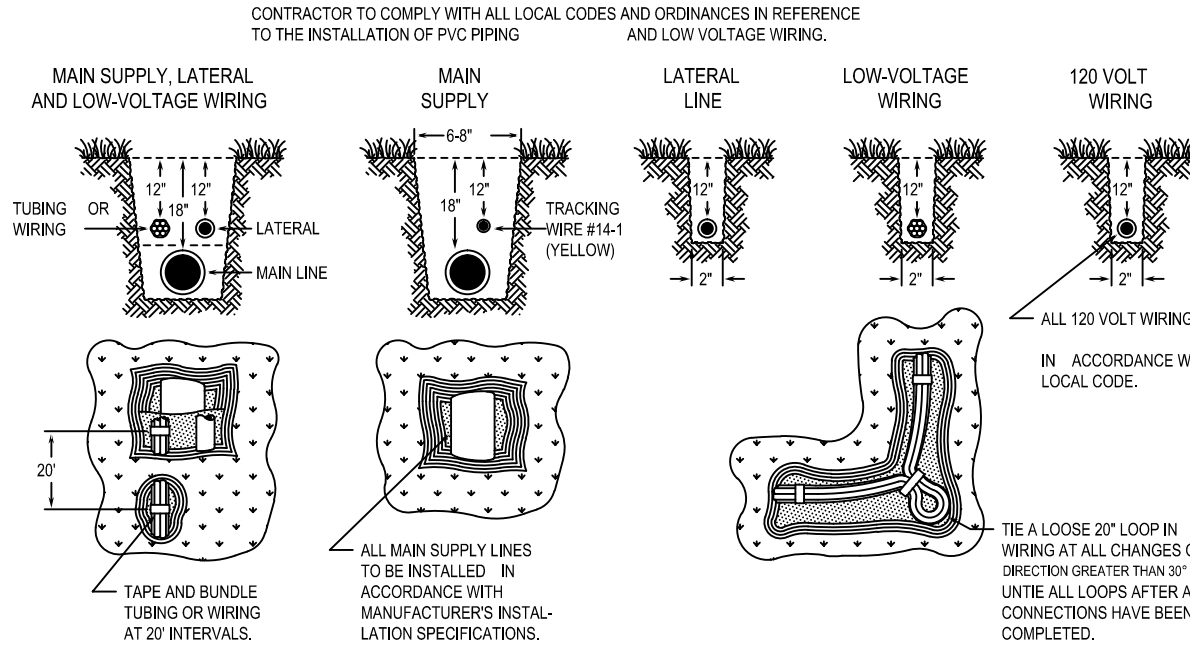


- GENERAL NOTES:
1. MODULAR HYBRID CONTROLLER: RAIN BIRD ESP-ME3 INSIDE WALL MOUNT
 2. 1-INCH PVC SCH 40 CONDUIT AND FITTINGS
 3. WIRES TO REMOTE CONTROL VALVES
 4. STANDARD MODULE FOR 4-STATION CONTROLLERS
 5. OPTIONAL MODULES FOR 22-STATION CONTROLLER
 6. STANDARD 120 V PLUG
 7. 120 VAC, 60 HZ INTERNAL TRANSFORMER



- NOTES:
1. SENSOR MAY BE MOUNTED ON FENCE, FENCE POST OR ON GUTTER OF HOUSE. 2. SENSOR SHOULD NOT BE MOUNTED UNDER TREES, IN AREAS AFFECTED BY SPRINKLER SYSTEM OR UNDER EAVE OF HOUSE.
- CONTRACTOR TO COMPLY WITH ALL LOCAL CODES AND ORDINANCES IN REFERENCE TO THE INSTALLATION OF PVC PIPING AND LOW VOLTAGE WIRING.



1 IRRIGATION CONTROLLER: ESP-ME3

SCALE: NTS (LOCATE IN STORAGE ROOM)

2 WR2 WIRELESS RAIN/FREEZE SENSOR

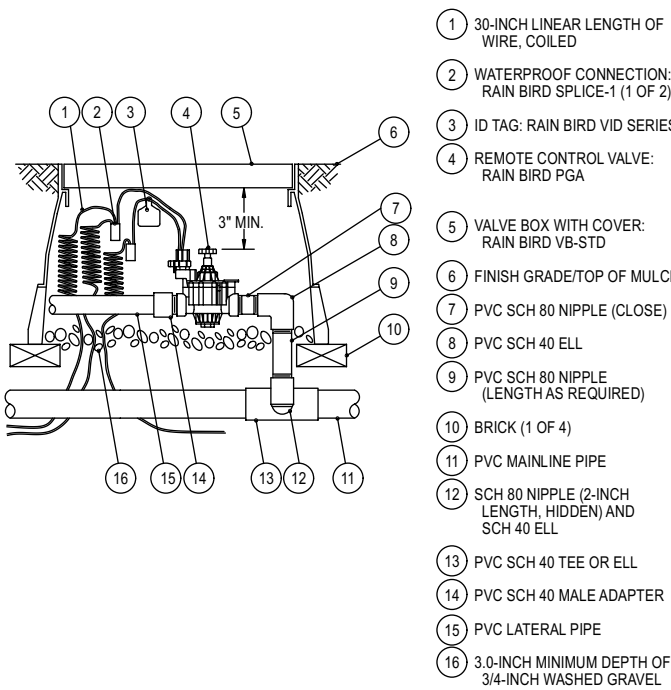
SCALE: NTS (LOCATE AT DUMPSTER WALL)

3 IRRIGATION TRENCHING AND PIPE DEPTH

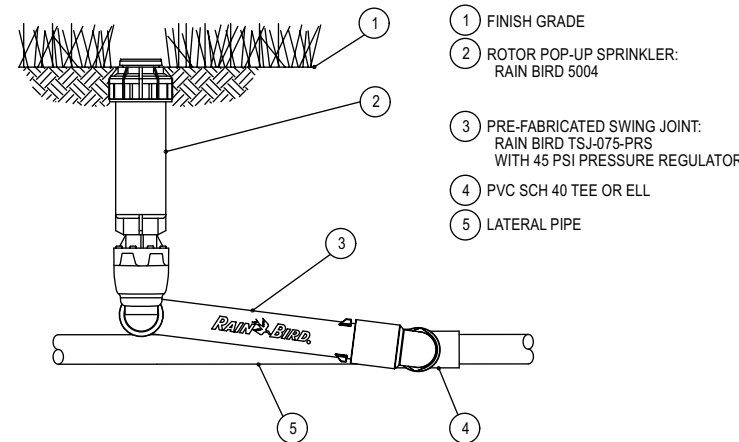
SCALE: NTS

4 IRRIGATION SLEEVING

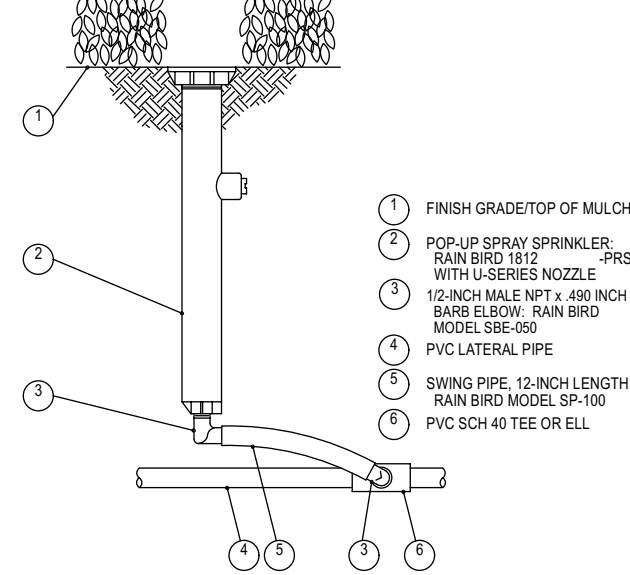
SCALE: NTS



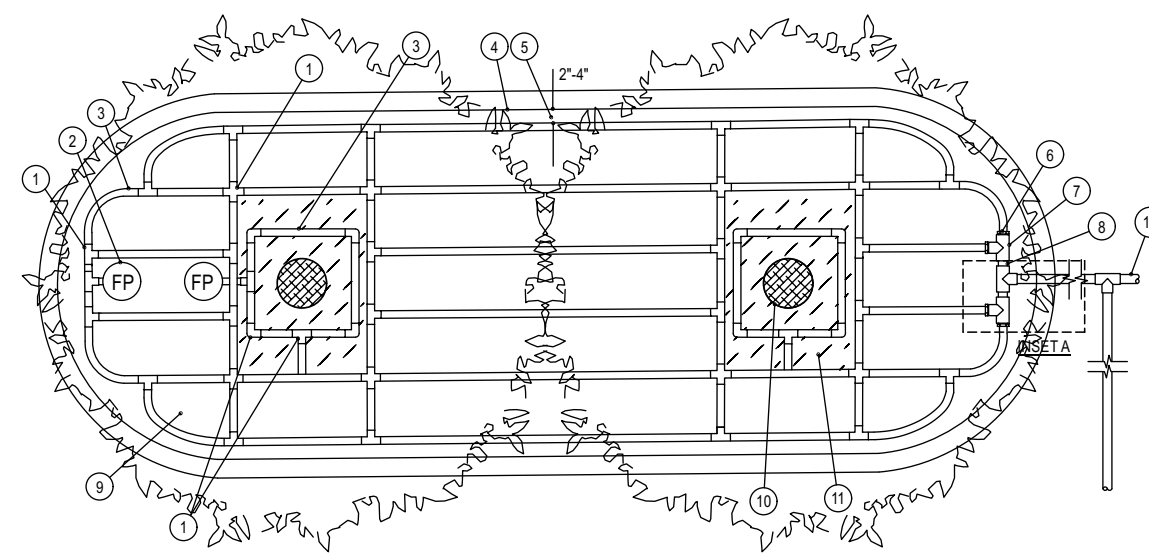
1. 30-INCH LINEAR LENGTH OF WIRE COILED
2. WATERPROOF CONNECTION: RAIN BIRD SP-1 (1 OF 2)
3. ID TAG: RAIN BIRD VIO SERIES: RAIN BIRD PVA
4. VALVE BOX WITH COVER: RAIN BIRD VBS-STD
5. FINISH GRADE/TOP OF MULCH
6. REMOTE CONTROL VALVE: RAIN BIRD VBS-STD
7. PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
8. BRICK (1 OF 4)
9. PVC MAINLINE PIPE
10. SCH 80 NIPPLE (3-INCH LENGTH: HIDDEN AND SCH 40 ELL)
11. PVC SCH 40 TEE OR ELL
12. SCH 80 NIPPLE (3-INCH LENGTH: HIDDEN AND SCH 40 ELL)
13. PVC SCH 40 TEE OR ELL
14. PVC SCH 40 MALE ADAPTER
15. PVC LATERAL PIPE
16. 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL



1. FINISH GRADE
2. ROTOR POP-UP SPRINKLER: RAIN BIRD 5004
3. PRE-FABRICATED SWING JOINT: RAIN BIRD TS-075-PRS WITH 45 PSI PRESSURE REGULATOR
4. PVC SCH 40 TEE OR ELL
5. LATERAL PIPE



1. FINISH GRADE/TOP OF MULCH
2. ROTOR POP-UP SPRINKLER: RAIN BIRD 5004
3. PRE-FABRICATED SWING JOINT: RAIN BIRD TS-075-PRS WITH 45 PSI PRESSURE REGULATOR
4. PVC SCH 40 TEE OR ELL
5. LATERAL PIPE



- NOTES:
1. 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.
 2. LENGTH OF LONGEST DRIPLINE LATERAL SHOULD NOT EXCEED THE MAXIMUM SPACING SHOWN IN THE ACCOMPANYING TABLE.
 3. PLACE TIE DOWN STAKES EVERY THREE FEET IN SAND, FOUR FEET IN LOAM, AND FIVE FEET IN CLAY.
 4. 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.
 5. WHEN USING 1/2-INCH INSERT FITTINGS WITH DESIGN PRESSURE OVER 100 PSI, IT IS RECOMMENDED THAT STAINLESS STEEL CLAMPS BE INSTALLED ON EACH FITTING.

Initial Pressure psi	12' Spacing		18' Spacing	
	Normal Flow Rate	Normal Flow Rate	Normal Flow Rate	Normal Flow Rate
20	0.6	0.6	0.6	0.6
30	1.0	1.0	1.0	1.0
40	1.3	1.3	1.3	1.3
50	1.6	1.6	1.6	1.6
60	1.9	1.9	1.9	1.9

1. BARB X BARB INSERT EL, TEE OR CROSS: RAIN BIRD XFF-ELBOW (TYPICAL) RAIN BIRD XFF-TEE (TYPICAL) RAIN BIRD XFF-CROSS (TYPICAL)
2. FLUSH POINT (TYPICAL) SEE RAIN BIRD DETAIL "XFD FLUSH POINT"
3. ON-SURFACE DRIPLINE PIPE: RAIN BIRD XF SERIES DRIPLINE POTABLE: XFCV DRIPLINE
4. PARKING ISLAND CURB
5. PERIMETER DRIPLINE PIPE TO BE INSTALLED 2'-4" FROM PARKING ISLAND CURB
6. BARB X MALE FITTING: RAIN BIRD XFF-MA FITTING (TYPICAL)
7. PVC SCH 40 TEE OR EL (TYPICAL)
8. PVC SUPPLY MANIFOLD
9. SHRUB OR GROUND COVER BED (TYPICAL)
10. MULCH BED FOR TREE
11. 3-INCH DEPTH OF MULCH
12. FINISH GRADE
13. PVC DRIPLINE MANIFOLD FROM RAIN BIRD CONTROL ZONE VALVE KIT (USED TO MEET LATERAL FLOW DEMAND)
14. PVC RISER PIPE

5 IRRIGATION VALVE: 100-PGA

SCALE: NTS

6 POP-UP ROTOR: 5000 SERIES W/T MPR NOZZLE

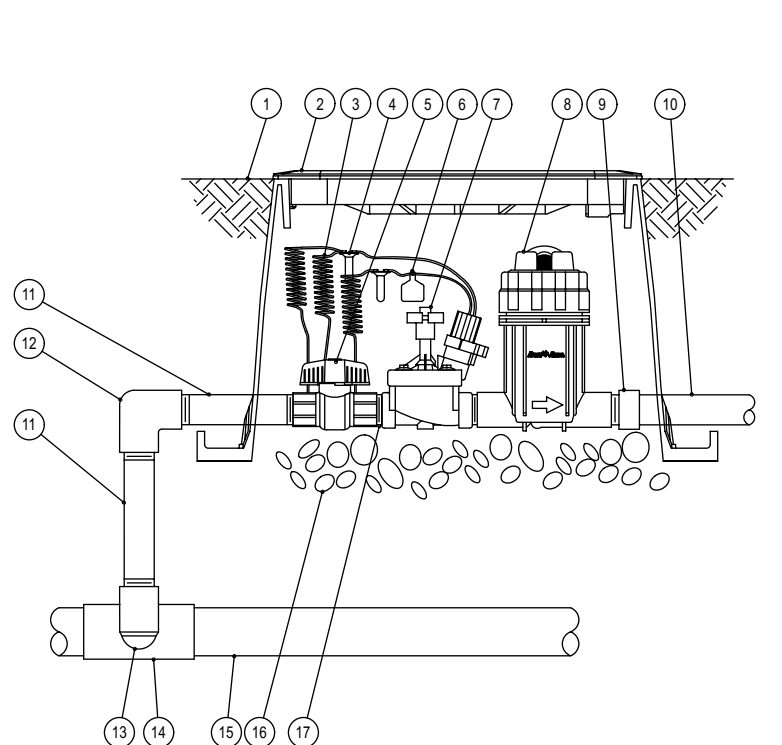
SCALE: NTS

7 POP-UP SPRAY: 1800 SERIES

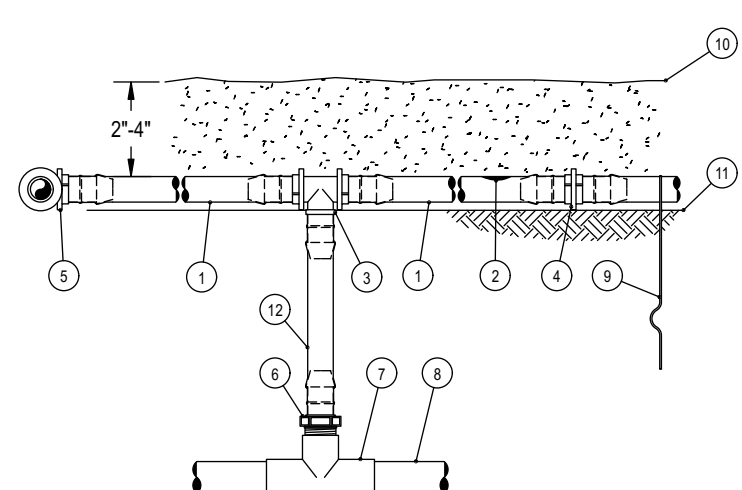
SCALE: NTS

8 DRIP: SYSTEM LAYOUT AND INSTALLATION OVERVIEW

SCALE: NTS

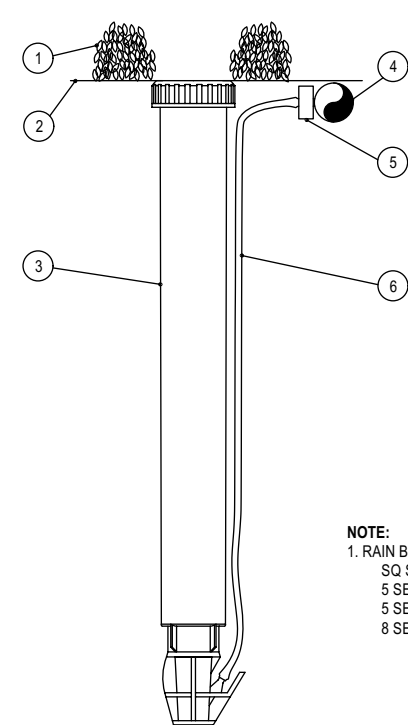


1. FINISH GRADE/TOP OF MULCH
2. VALVE BOX WITH COVER: RAIN BIRD VBS-STD
3. 30-INCH LINEAR LENGTH OF WIRE COILED
4. WATERPROOF CONNECTION: RAIN BIRD SP-1 (1 OF 2)
5. ID TAG: RAIN BIRD VIO SERIES: RAIN BIRD PVA
6. REMOTE CONTROL VALVE: RAIN BIRD VBS-STD
7. PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
8. BRICK (1 OF 4)
9. PVC MAINLINE PIPE
10. SCH 80 NIPPLE (3-INCH LENGTH: HIDDEN AND SCH 40 ELL)
11. PVC SCH 40 TEE OR ELL
12. SCH 80 NIPPLE (3-INCH LENGTH: HIDDEN AND SCH 40 ELL)
13. PVC SCH 40 TEE OR ELL
14. PVC SCH 40 MALE ADAPTER
15. PVC LATERAL PIPE
16. 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL

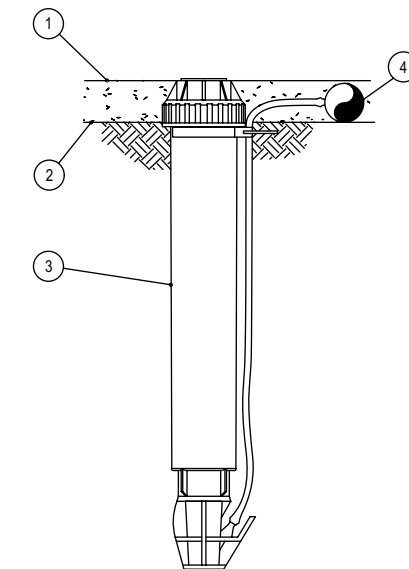


- NOTES:
1. PLACE TIE DOWN STAKES EVERY THREE FEET IN SAND, FOUR FEET IN LOAM, AND FIVE FEET IN CLAY.
 2. AT FITTINGS WHERE THERE IS A CHANGE OF DIRECTION SUCH AS TEES OR ELBOWS, USE TIE DOWN STAKES ON EACH LEG OF THE CHANGE OF DIRECTION.
 3. SAVE YOUR HANDS. USE THE RAIN BIRD FITTING TOOL KIT INSERTION TOOL FOR FITTING ASSEMBLY.

1. ON-SURFACE DRIPLINE: RAIN BIRD XF SERIES DRIPLINE POTABLE: XFCV DRIPLINE
2. INLINE DRIPLINE EMITTER OUTLET: SEE PLANS FOR DRIPLINE OUTLET SPACING
3. BARB TEE 1/2"x1/2" MPT RAIN BIRD XFF-TEE
4. BARB COUPLING 1/2"x1/2" MPT RAIN BIRD XFF-COUP
5. BARB ELBOW 1/2"x1/2" MPT RAIN BIRD XFF-ELBOW
6. BARB MALE ADAPTER 1/2"x1/2" MPT RAIN BIRD XFF-MA-025
7. PVC TEE 3/4" MPT
8. PVC LATERAL SUPPLY HEADER
9. TIE DOWN STAKE: RAIN BIRD TDS-550 WITH BEND (TYPICAL)
10. MULCH
11. FINISH GRADE
12. RAIN BIRD XF SERIES BLANK TUBING LENGTH AS REQUIRED

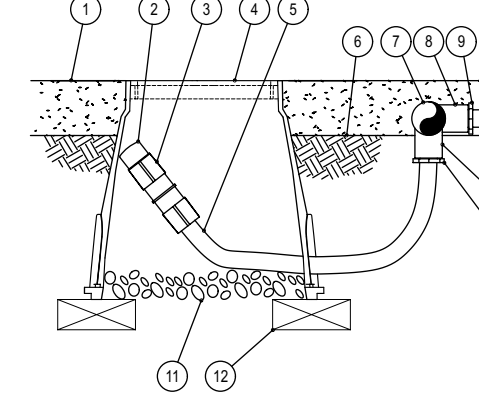


- NOTE:
1. RAIN BIRD XER-POP CAN UTILIZE THE FOLLOWING NOZZLES: 50 SQUARE NOZZLES (FORMERLY XPCN) 5 SERIES MPR NOZZLES (ALL CONFIGURATIONS) 5 SERIES PLASTIC BUBBLERS 5 SERIES MPR NOZZLES (8H, 8T AND 8Q)



1. MULCH
2. FINISH GRADE
3. OPERATION INDICATOR: RAIN BIRD XF SERIES DRIPLINE POTABLE: XFCV SERIES
4. ON-SURFACE DRIPLINE: RAIN BIRD XF SERIES DRIPLINE POTABLE: XFCV SERIES

- NOTE:
1. USE XERIMAN TOOL XA-TOOL TO INSERT BARB TRANSFER FITTING DIRECTLY INTO DRIPLINE TUBING
 2. VAN NOZZLE MAY BE SET TO CLOSED, OR IF IT IS DESIRED TO SEE SPRAY FROM THE NOZZLE, SET THE ARC TO 90 DEGREES. THE FLOW FROM THE NOZZLE, 0.3 GPM, SHOULD BE ACCOUNTED FOR IN THE SYSTEM DESIGN.



- NOTE:
1. ALLOW A MINIMUM OF 6-INCHES OF DRIPLINE TUBING IN VALVE BOX IN ORDER TO DIRECT FLUSHED WATER OUTSIDE VALVE BOX.

9 DRIP VALVE: XCZ-PRB-100-COM

SCALE: NTS

10 DRIP: ON-SURFACE RISER ASSEMBLY

SCALE: NTS

11 DRIP: XER-POP MICRO SPRAY

SCALE: NTS

12 DRIP: OPERATION INDICATOR

SCALE: NTS

13 DRIP: DRIPLINE FLUSH POINT

SCALE: NTS

1. MULCH
2. FLUSH CAP FOR EASY FIT: COMPRESSION FITTINGS: POTABLE: RAIN BIRD MDCFP
3. EASY FIT COUPLING: RAIN BIRD MDCFP COUP
4. SUBTERANEAN EMITTER BOX: RAIN BIRD SEB 788
5. 1/2" SCH 40 VENTURINE TUBING: RAIN BIRD XF BLANK TUBING
6. FINISH GRADE
7. PVC EXHAUST HEADER
8. PVC SCH 40 TEE OR EL
9. BARB X MALE FITTING: RAIN BIRD XFF-MA FITTING (TYPICAL)
10. ON-SURFACE DRIPLINE: RAIN BIRD XF SERIES DRIPLINE POTABLE: XFCV DRIPLINE
11. 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL: BRICK (1 OF 2)



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CHICK-FIL-A
POMPANO BEACH FSU
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Pompano Beach, FL 33062

FSU# 02483

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1 8/13/21 City Comments

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Irrigation Details

SHRUB NUMBER

201

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9/22/21