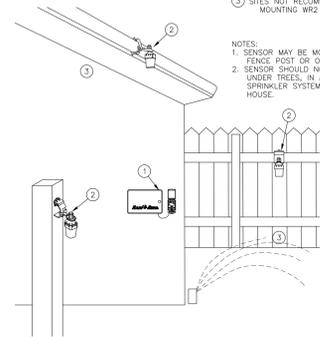
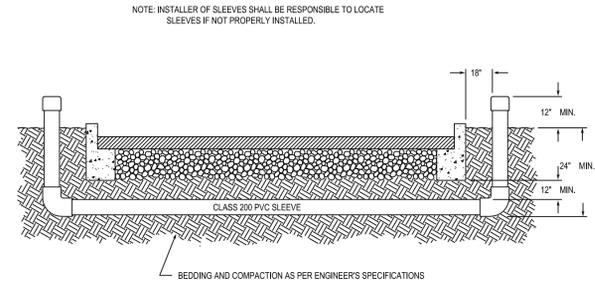
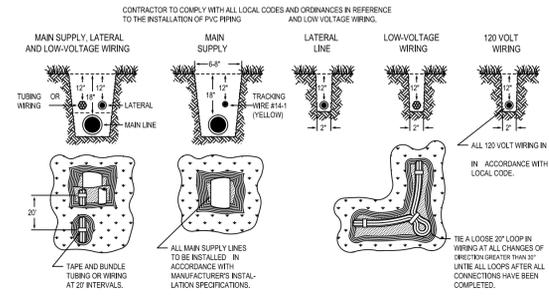


- GENERAL NOTES:**
- 1 MODULAR HYBRID CONTROLLER: RAIN BIRD ESP-ME3 INSIDE WALL MOUNT
 - 2 1-INCH PVC SCH 40 CONDUIT AND FITTINGS
 - 3 WIRES TO REMOTE CONTROL VALVES
 - 4 STANDARD MODULE FOR 4-STATION CONTROLLERS
 - 5 OPTIONAL MODULES FOR 22-STATION CONTROLLER
 - 6 STANDARD 120 V PLUG
 - 7 120 VAC, 60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

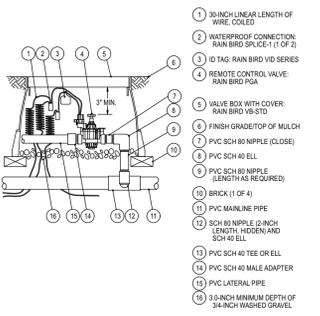


1 IRRIGATION CONTROLLER: ESP-ME3
SCALE: NTS (LOCATE IN STORAGE ROOM)

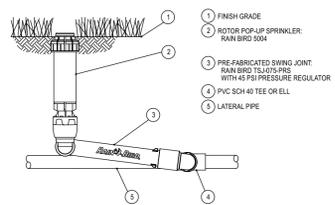
2 WR2 WIRELESS RAIN/FREEZE SENSOR
SCALE: NTS (LOCATE AT DUMPSTER WALL)

3 IRRIGATION TRENCHING AND PIPE DEPTH
SCALE: NTS

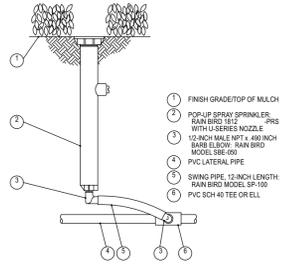
4 IRRIGATION SLEEVING
SCALE: NTS



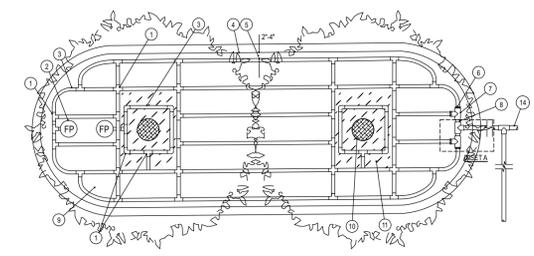
- 1 30-INCH LINEAR LENGTH OF WIRE COILED
- 2 WATERPROOF CONNECTION: RAIN BIRD SPLICE-1 (1 OF 2)
- 3 ID TAG: RAIN BIRD VID SERIES
- 4 REMOTE CONTROL VALVE: RAIN BIRD PSA
- 5 VALVE BOX WITH COVER: RAIN BIRD VB-STD
- 6 FINISH GRADE/TOP OF MULCH
- 7 PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
- 8 PVC SCH 40 ELL
- 9 PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
- 10 BRICK (1 OF 4)
- 11 PVC MAINLINE PIPE
- 12 SCH 80 NIPPLE (2-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 TSU-075-PRS WITH 45 PSI PRESSURE REGULATOR
- 4 PVC SCH 40 TEE OR ELL
- 5 LATERAL PIPE



- 1 FINISH GRADE/TOP OF MULCH
- 2 POP-UP SPRAY SPRINKLER: RAIN BIRD 1812-PRS WITH 1/2" SERIES NOZZLE
- 3 1/2-INCH MALE NPT x 400-INCH BARB ELBOW: RAIN BIRD MODEL SBE-600
- 4 PVC LATERAL PIPE
- 5 SWING PIPE: 12-INCH LENGTH: RAIN BIRD MODEL SP-100
- 6 PVC SCH 40 TEE OR ELL



XFCV Dripline Maximum Lateral Lengths (FPM)

Inlet Pressure psi	12' Spacing		18' Spacing	
	Normal Flow	Normal Flow	Normal Flow	Normal Flow
20	6.6	6.8	6.6	6.8
30	150	151	154	155
40	209	205	402	317
50	257	249	458	428
60	307	281	513	477
80	426	300	617	523

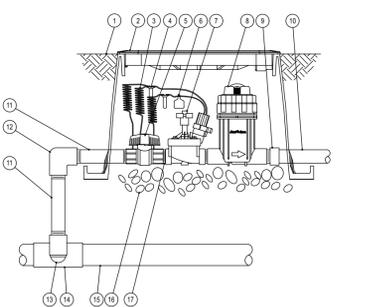
- 1 BARB X BARB INSERT EL, TEE OR CROSS: RAIN BIRD XFF-EL, BOW (TYPICAL), RAIN BIRD XFF-TIE (TYPICAL), RAIN BIRD XFF-CROSS (TYPICAL)
- 2 FLUSH POINT (TYPICAL): SEE RAIN BIRD DETAIL "XFD FLUSH POINT"
- 3 ON-SURFACE DRIPLINE PIPE: RAIN BIRD XFCV DRIPLINE POTABLE: XFCV DRIPLINE
- 4 PARKING ISLAND CURB
-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

5 IRRIGATION VALVE: 100-PGA
SCALE: NTS

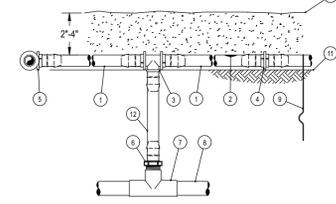
6 POP-UP ROTOR: 5000 SERIES W/T MPR NOZZLE
SCALE: NTS

7 POP-UP SPRAY: 1800 SERIES
SCALE: NTS

8 DRIP: SYSTEM LAYOUT AND INSTALLATION OVERVIEW
SCALE: NTS

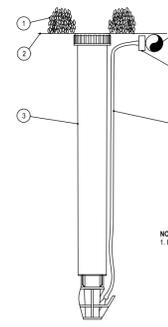


- 1 FINISH GRADE/TOP OF MULCH
- 2 ON-SURFACE DRIPLINE: RAIN BIRD XFCV DRIPLINE POTABLE: XFCV DRIPLINE
- 3 30-INCH LINEAR LENGTH OF WIRE COILED
- 4 WATERPROOF CONNECTION: RAIN BIRD SPLICE-1 (1 OF 2)
- 5 1-INCH BALL VALVE (INCLUDED IN XCZ-PRB-100-COM KIT)
- 6 ID TAG
- 7 REMOTE CONTROL VALVE: RAIN BIRD RCV (INCLUDED IN XCZ-PRB-100-COM KIT)
- 8 PRESSURE REGULATING QUICK CHECK BASKET FILTER: RAIN BIRD PRB-QCHK (INCLUDED IN XCZ-PRB-100-COM KIT)
- 9 PVC SCH 40 FEMALE ADAPTOR
- 10 LATERAL PIPE
- 11 PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
- 12 PVC SCH 40 ELL
- 13 PVC SCH 80 NIPPLE (2-INCH LENGTH: HIDDEN AND PVC SCH 40 ELL)
- 14 PVC SCH 40 TEE OR ELL
- 15 MAINLINE PIPE
- 16 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
- 17 PVC SCH 80 NIPPLE, CLOSE (INCLUDED IN XCZ-PRB-100-COM KIT)

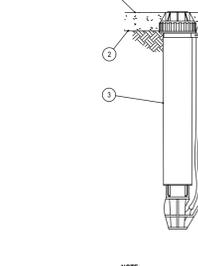


- 1 ON-SURFACE DRIPLINE: RAIN BIRD XFCV DRIPLINE POTABLE: XFCV DRIPLINE
- 2 INLINE DROP EMITTER OUTLET: SEE PLANS FOR DRIPLINE OUTLET SPACING
- 3 BARB TEE 1 1/2x1 1/2 IN
- 4 BARB COUPLING 1 1/2x1 1/2 IN
- 5 BARB ELBOW 1 1/2x1 1/2 IN
- 6 BARB MALE ADAPTER 1 1/2 IN X 1 1/2 IN
- 7 RAIN BIRD XFF-MA-050 1 1/2 IN X 3/8 IN MPT
- 8 RAIN BIRD XFF-MA-075 1 1/2 IN X 3/8 IN MPT
- 9 PVC TEE 3/4 IN
- 10 PVC LATERAL SUPPLY HEADER
- 11 TIE DOWN STAKE: RAIN BIRD TDS-050 WITH BEND (TYPICAL)
- 12 MULCH
- 13 FINISH GRADE

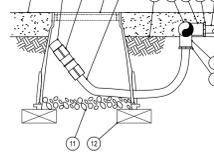
- 1 ON-SURFACE DRIPLINE: RAIN BIRD XFCV DRIPLINE POTABLE: XFCV DRIPLINE
- 2 INLINE DROP EMITTER OUTLET: SEE PLANS FOR DRIPLINE OUTLET SPACING
- 3 BARB TEE 1 1/2x1 1/2 IN
- 4 BARB COUPLING 1 1/2x1 1/2 IN
- 5 BARB ELBOW 1 1/2x1 1/2 IN
- 6 BARB MALE ADAPTER 1 1/2 IN X 1 1/2 IN
- 7 RAIN BIRD XFF-MA-050 1 1/2 IN X 3/8 IN MPT
- 8 RAIN BIRD XFF-MA-075 1 1/2 IN X 3/8 IN MPT
- 9 PVC TEE 3/4 IN
- 10 PVC LATERAL SUPPLY HEADER
- 11 TIE DOWN STAKE: RAIN BIRD TDS-050 WITH BEND (TYPICAL)
- 12 MULCH
- 13 FINISH GRADE



- 1 PLANT MATERIAL
- 2 FINISH GRADE
- 3 MICRO-SPRAY POP-UP: RAIN BIRD XER-POP 100-100X
- 4 1/2" POLYETHYLENE TUBING: RAIN BIRD XFT-SERIES TUBING OR RAIN BIRD XFT-700 XER-LINE OR RAIN BIRD XBS-BLACK STRIPE TUBING
- 5 1/4" SELF-IRRIGATING BARB CONNECTOR: RAIN BIRD XFB-025
- 6 1/4" DISTRIBUTION TUBING: RAIN BIRD XD TUBING (LENGTH AS REQUIRED)



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



- 1 MULCH
- 2 FLUSH CAP FOR EASY FIT COMPRESSION FITTINGS: POTABLE: RAIN BIRD MDCFCAP
- 3 EASY FIT COUPLING: RAIN BIRD MDCFCOUP
- 4 SUBTERRANEAN EMITTER BOX: RAIN BIRD SEB 7X8
- 5 1/2" POLYETHYLENE TUBING: RAIN BIRD XFT-BLANK TUBING
- 6 FINISH GRADE
- 7 PVC EXHAUST HEADER
- 8 PVC SCH 40 TEE OR ELL
- 9 BARB X MALE FITTING: RAIN BIRD XFM-FITTING (TYPICAL)
- 10 ON-SURFACE DRIPLINE: RAIN BIRD XFCV DRIPLINE POTABLE: XFCV DRIPLINE
- 11 3-INCH MINIMUM DEPTH OF 3/4" WASHED GRAVEL: BRICK (1 OF 2)

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

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10/27/21

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9/22/21



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CHICK-FIL-A
POMPANO BEACH FSU
2250 North Federal Highway
Pompano Beach, FL 33062

FSU# 02483

REVISION SCHEDULE

NO.	DATE	DESCRIPTION
1	8/13/21	City Comments

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