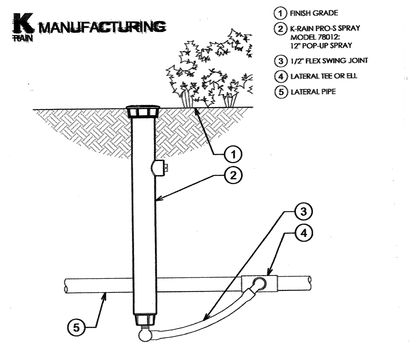
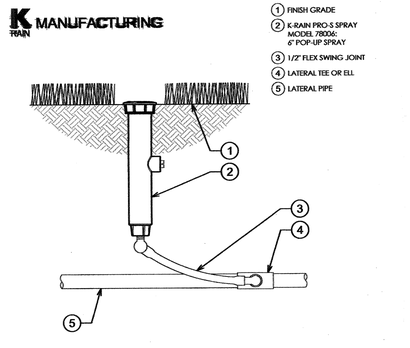
DRC
PZ23-12000032
08/07/2024



00 K-RAIN PRO-S SPRAY WITH 12" POP-UP
3" = 1'-0" www.krain.com



00 K-RAIN PRO-S SPRAY WITH 6" POP-UP
3" = 1'-0" www.krain.com

NOTES:

PIPING:
MAINLINES: SCH. 40 PVC
ZONE LINES: CLASS 200 FOR 3/4" & 1", CLASS 160 FOR 1-1/4" & LARGER
SLEEVES: SCH. 40 PVC SOLVENT WELD (USE NO COUPLINGS.)
FITTINGS: SCH. 40 PVC

FABRICATION: SQUARE CUT, DEBURR AND FULLY ENGAGE JOINTS. USE PURPLE CLEANER AND MEDIUM BODY GREY CEMENT FOR ALL CONNECTIONS
ALL PIPE AND FITTINGS TO CONFORM TO LATEST ASTM SPECS.

DEPTH OF LINES:
MAINLINE & WIRING = 24" DEEP. MIN.
SLEEVES UNDER PAVEMENT = 36" DEEP. MIN.
ZONE LINES: 18" DEEP, MIN. FOR 2" & LARGER & 15" DEEP, MIN. FOR 1-1/2" & LESS

CONTROL WIRING:
INSTALLATION SHALL BE A 2 WIRE SYSTEM. RUN A 14 AWG MAXI WIRE CABLE IN A MIN.3/4" GREY CONDUIT. SYSTEM SHALL BE A SMART VALVE W/ IVM-SOL SOLENOID.
INSTALL A RAINBIRD IVM-OUT GROUND DEVICE WITH AN 8' COPPER GROUND ROD AT CONTROLLER, LAST VALVES AND 2 ADDITIONAL AT 500 FT. SPACING ALONG RUN ALONG NW 18 ST. SYSTEM SHALL COMPLY WITH RAINBIRD STANDARDA AND SPECIFICATIONS. WIRE CONNECTIONS TO BE RAINBIRD WC20 MOISTURE PROOF.

BACKFILL ALL TRENCHES FREE OF DEBRIS OR SHARP OBJECTS. USE CLEAN FILL AS LOCAL CODES REQUIRE. COMPACT TO ORIGINAL DENSITY. FLUSH ALL LINES. USE SCREENS IN ALL HEADS, ADJUST HEADS FOR PROPER COVERAGE AVOIDING WATER ON WALLS, WALKS OR PAVED AREAS. ALL DETAILS ARE GRAPHICALLY SHOWN ONLY.QUANTITIES SHOWN SHALL BE VERIFIED PRIOR TO BIDDING OR INSTALLATION. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO ASSURE COMPLETE OVERLAPPING COVERAGE. ANY DISCREPANCIES SHALL BE REPORTED TO THE OWNER AND LANDSCAPE ARCHITECT/ IRRIGATION DESIGNER BEFORE PROCEEDING. THE LANDSCAPE ARCHITECT/ IRRIGATION DESIGNER RESERVES THE RIGHT TO MAKE MINOR FIELD CHANGES. THE CONTRACTOR MAY MAKE MINOR ADJUSTMENTS/ NOZZLE SELECTION TO SUIT FIELD CONDITIONS. LOCAL CODES AND REGULATIONS SHALL TAKE PRESIDENCE OVER THE PLANS, IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO COMPLY.

PROVIDE THE OWNER WITH AN ACCURATE "AS INSTALLED" PLAN SHOWING THE MAINLINES, WIRE SPLICES, VALVE LOCATIONS & ROAD CROSSINGS USING TWO DIMENSIONS FROM FIXED DATUMS.

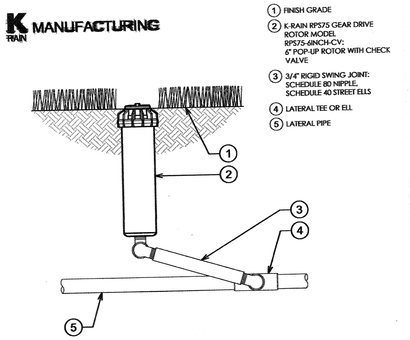
PRESSURE TEST MAINLINES AT 100 PSI FOR 2 HOURS WITH A MAX. 5 PSI LOSS ALLOWED. MAIN MAY BE TESTED IN SECTIONS. LOCATE AND REPAIR ANY LEAKS.

CONTRACTOR SHALL HAVE ALL UNDERGROUND UTILITIES LOCATED PRIOR TO COMMENCMENT OF WORK AS REQUIRED BY FLORIDA LAW.
INSTALLATION SHALL CONFORM TO THE LATEST FLORIDA BUILDING CODE, APPENDIX "F" AND THE REGULATIONS OF THE CITY OF POMPANO BEACH, FL..

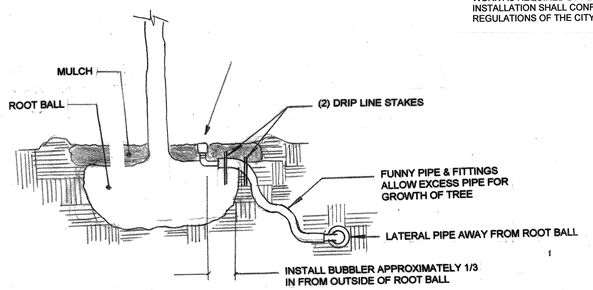
SPRINKLER HEAD LEGEND

SYM.	TYPE	MODEL	QTY.
	POP UP ROTORS	K-RAIN #RPS75-4.0	22
		K-RAIN #RPS75-360	2
	ROTOR ON RISER	K-RAIN #RPS75-4.0	6
	6" POP UP SPRAYS	K-RAIN #PRO-S-06-NOZZLE BELOW	278
		-FN-15-F	
		-FN-15'HL	
		-FN-15'H	
		-FN-15'Q	
		-FN-12'-KVF	
		-FN-12'H	
		-FN-12'Q	
		-FN10'KVF	
		-FN-10'H	
		-FN-10'Q	
		-FN-15'SS	
		-FN-15'ES	
	6" POP UP SPRAY RISER	K-RAIN #PRO-S-06-FN12'KVF	2
	12" POP UP SPRAYS	K-RAIN #PRO-S-12-NOZZLE BELOW	14
		-FN-12'-KVF	
		-FN-15'HL	
		-FN-12'H	
		-FN-10'H	
	TREE BUBBLERS	K-RAIN #TB-10	137

NOTE: USE SCREENS IN ALL HEADS



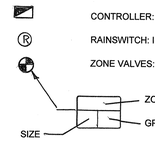
00 K-RAIN RPS75 ROTOR WITH 6" POP-UP
3" = 1'-0" www.krain.com



TREE BUBBLER DETAIL

SYMBOLS - LEGENDS

- MAINLINE: 3" SCH. 40 PVC 2/ 2 WIRE CABLE IN MIN. 3/4' GREY CONDUIT
- SLEEVES: SCH 40 PVC
- MAINLINE STUBOUTS W/ 10" RAINBIRD VALVE BOX
- MAINLINE ISOLATION VALVES W/ 10" RAINBIRD VALVE BOX
- 2" AIR RELEASE VALVE W/ 12" RAINBIRD VALVE BOX
- POINT OF CONNECTION:
  2" WATER METER
  3" PRESSURE BACKFLOW TO CODE
  3" MASTER VALVE
  (INSTALL BACKFLOW IN A GUARD SHACK ENCLOSURE W/ CONCRETE PAD TO COVER BACKFLOW MANIFOLD)
- CONTROLLER: RAINBIRD ESPLXIVM. INSTALL ON BUILDING
- RAINSWITCH: IN OPEN AREA TO CODE
- ZONE VALVES: RAINBIRD PGA SERIES W/ IVM-SOL. SIZE AS NOTED ON PLANS
  INSTALL IN A RAINBIRD 12" STANDARD VALVE BOX



Control Precipitation Design, Inc.
Irrigation Consultants
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e-mail: iridsn@bellsouth.net

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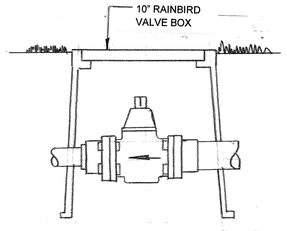
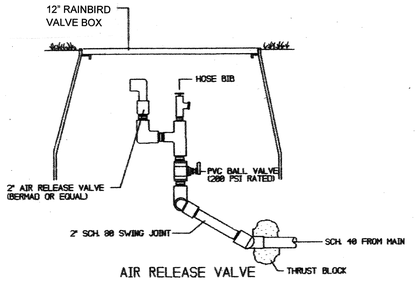
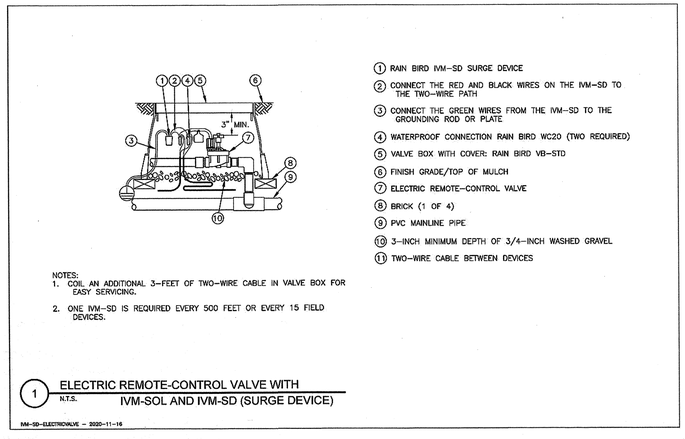
Pompano Beach, Fl 33069



MAINLINE ISOLATION VALVE
FLANGED IRON BODY NON RISING STEM



AIR RELEASE VALVE



NOTES:
1. COIL AN ADDITIONAL 3-FEET OF TWO-WIRE CABLE IN VALVE BOX FOR EASY SERVICING.
2. ONE IVM-SD IS REQUIRED EVERY 500 FEET OR EVERY 15 FIELD DEVICES.

1 ELECTRIC REMOTE-CONTROL VALVE WITH IVM-SOL AND IVM-SD (SURGE DEVICE)
N.T.S.

IVM-SD-ELECTRICVALVE - 2020-11-16

richard j harrison

Digitally signed by richard j harrison
Date: 2024.02.17 11:18:06 -05'00'

ISSUE HISTORY
PROJ NO: 23034A
PROJ MGR: DC
DRAWN BY: RH
CHECKED BY:

DRAWING TITLE: Irrigation Details

SHEET: 009.1.4 I-5

SUBMISSION
02/14/24
NOT FOR CONSTRUCTION

DRC
PZ23-12000032
04/17/2024