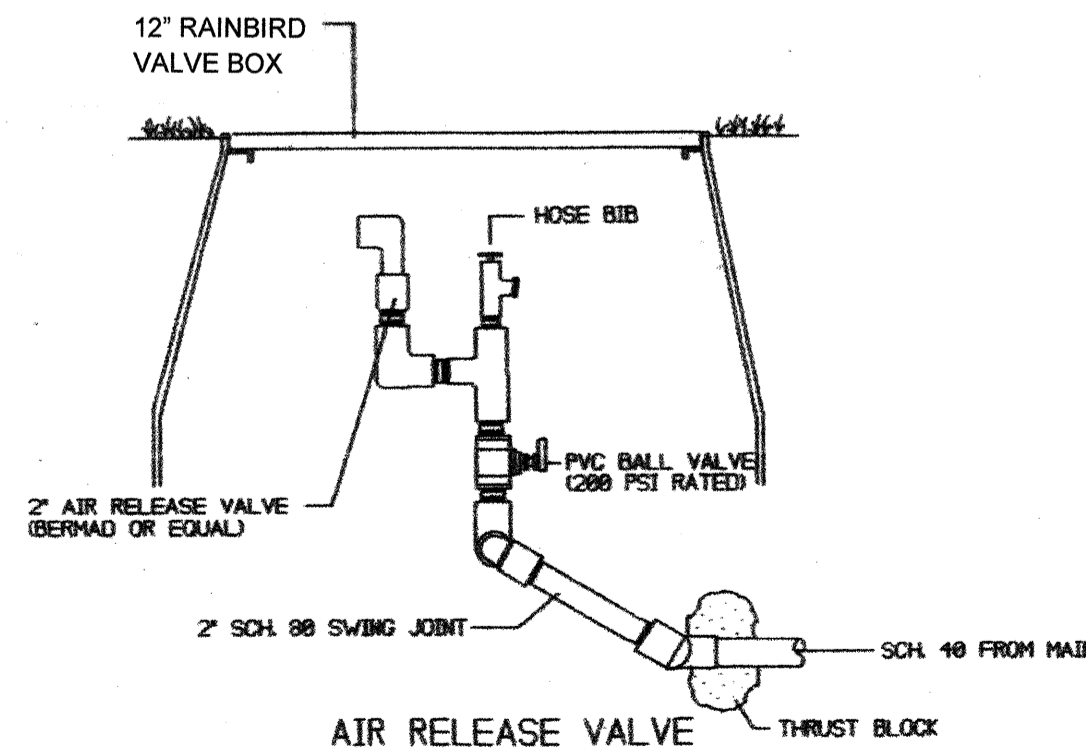
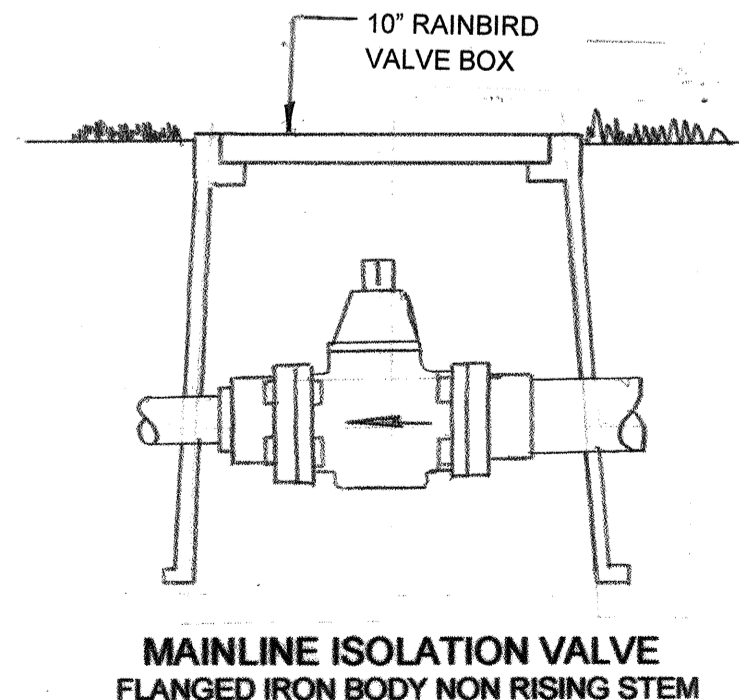
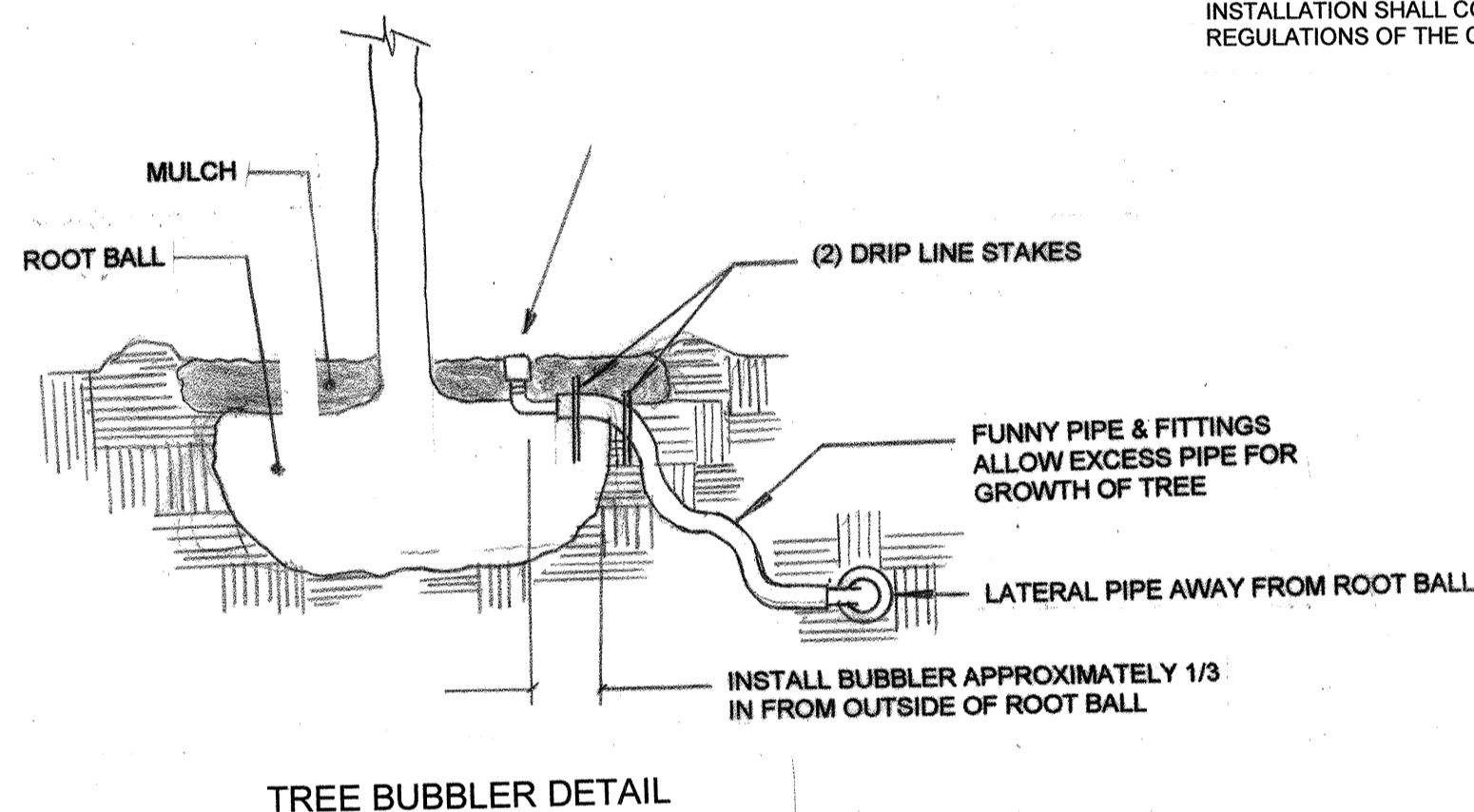
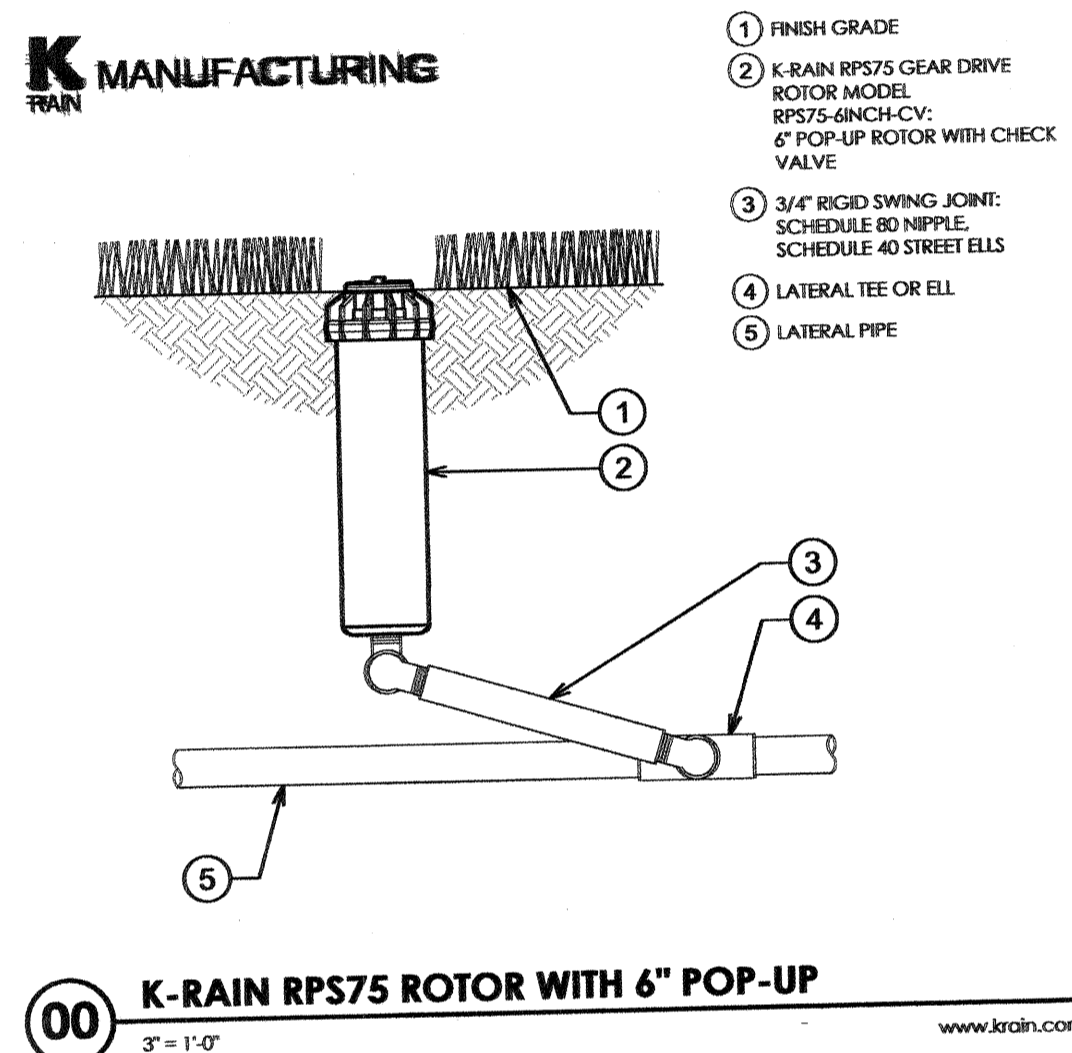
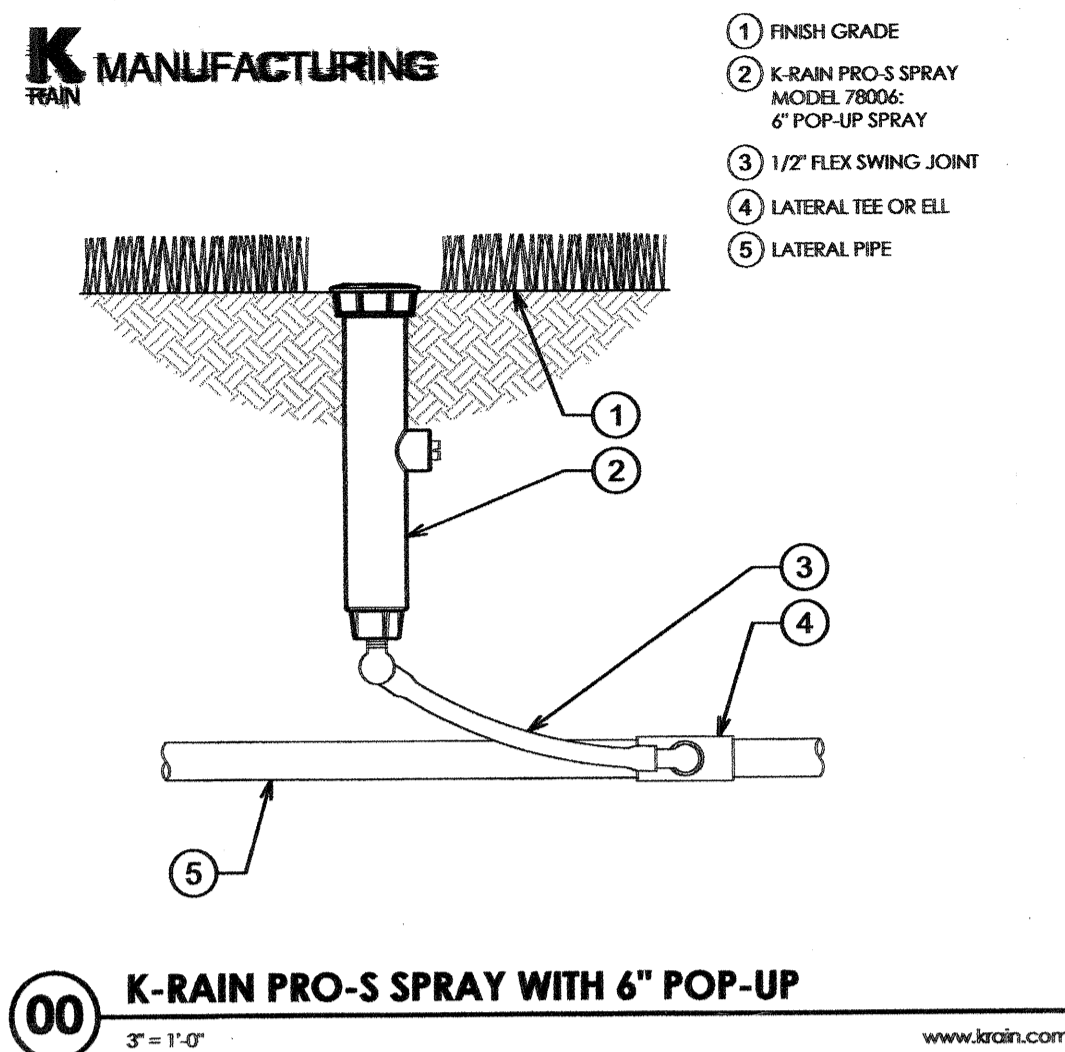
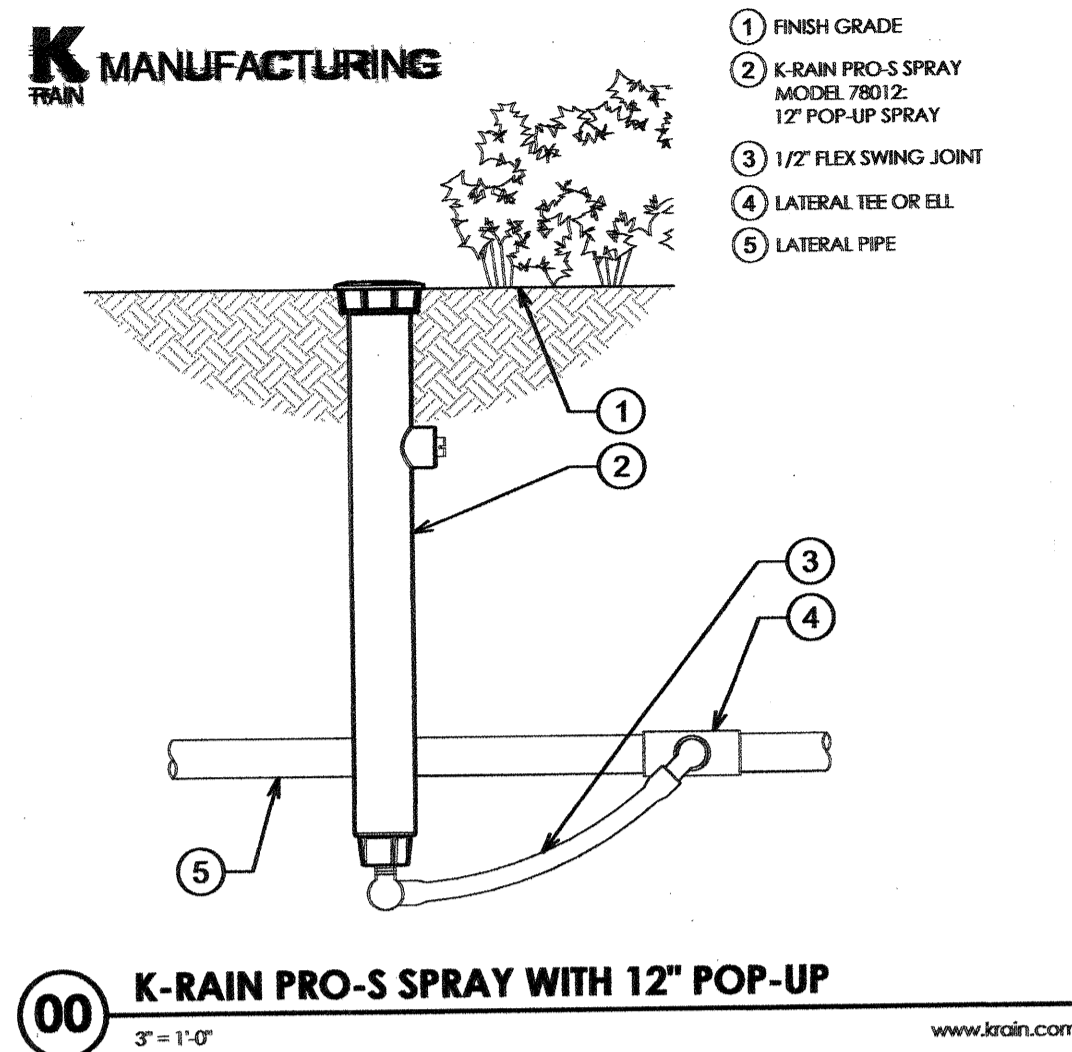


richard j
harrison

Digitally signed by
richard j harrison
Date: 2024.08.16
17:11:27 -04'00'

Bonsal Turn Lane
1200 NW 18th St.
Pompano Beach, FL 33069



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 STANDARD 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 PRECEDENCE OVER THE PLANS, IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO
COMPLY.

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

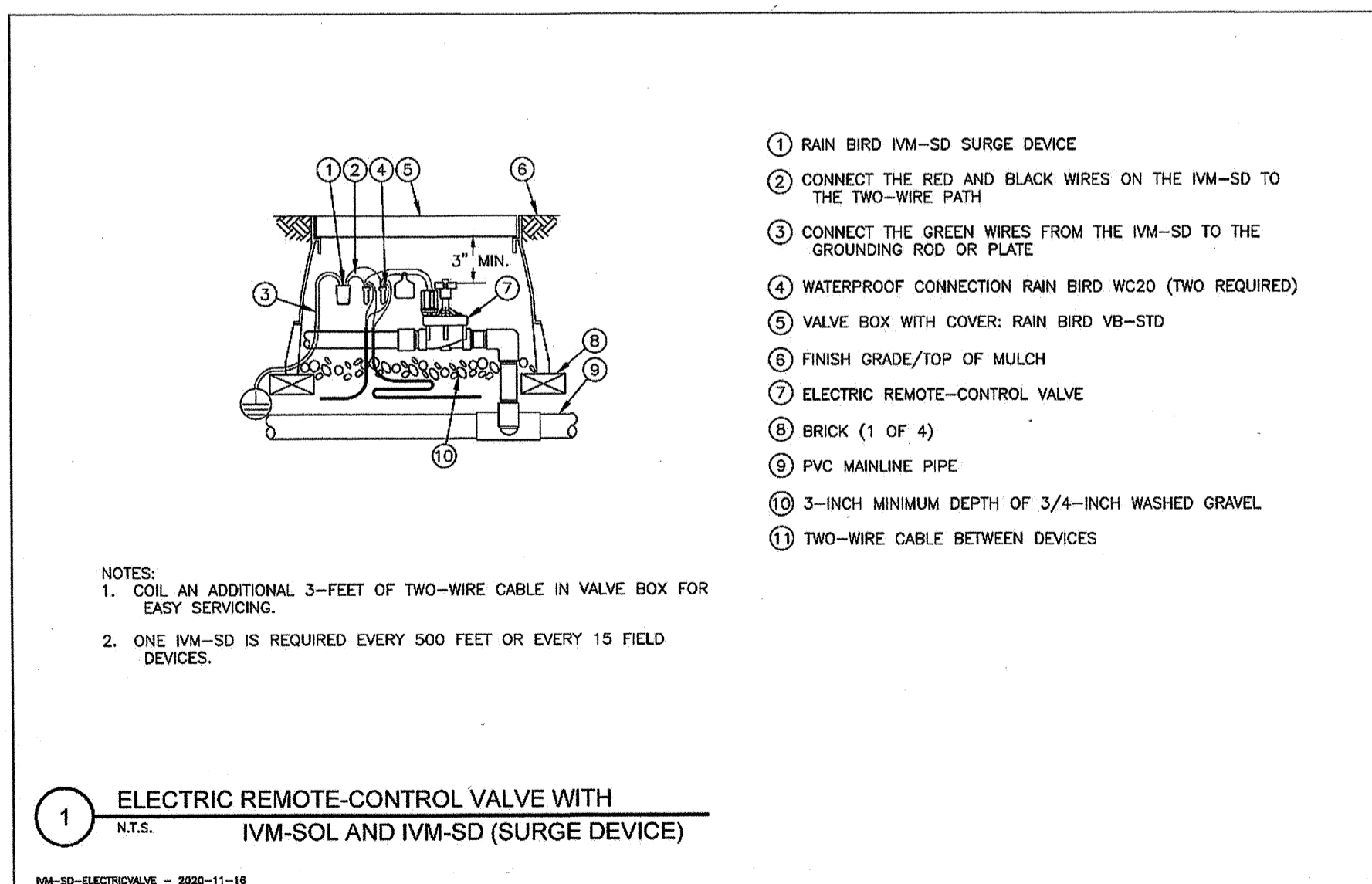
PRESSURE TEST MAINLINES AT 100 PSI FOR 2 HOURS WITH A MAX. 5 PSI LOSS ALLOWED. MAIN MAY BE
TESTED IN SECTIONS. LOCATE AND REPAIR ANY LEAKS.

CONTRACTOR SHALL HAVE ALL UNDERGROUND UTILITIES LOCATED PRIOR TO COMMENCEMENT 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 | 32 |
| | ROTOR ON RISER | K-RAIN #RPS75-380 | 6 |
| | 6" POP UP SPRAYS | K-RAIN #PRO-S-06-NOZZLE BELOW | 305 |
| | 6" POP UP SPRAY RISER | K-RAIN #PRO-S-06-FN12KV | 2 |
| | 12" POP UP SPRAYS | K-RAIN #PRO-S-12-NOZZLE BELOW | 16 |
| | TREE BUBBLERS | K-RAIN #TB-10 | 283 |

NOTE: USE SCREENS IN ALL HEADS

| 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 |
| | ZONE # |
| | GPM OF ZONE |



SUBMISSION
05/22/24
NOT FOR CONSTRUCTION

5/22/24 City Comments
ISSUE HISTORY
PROJ NO: 23034A
PROJ MGR: DC
DRAWN BY: RH
CHECKED BY:

DRAWING TITLE:
Irrigation
Details

SHEET:
009.14 I-5