

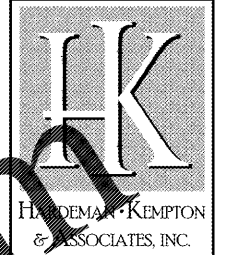
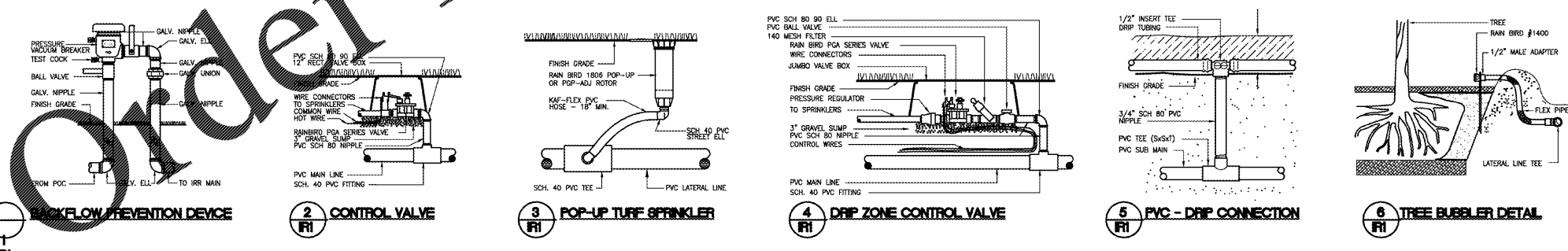
**IRRIGATION LEGEND:**

- RAIN BIRD 1806 SERIES POP-UP W/ 15' NOZZLE (ARC AS NEEDED)
- RAIN BIRD 1806 SERIES POP-UP W/ 12' NOZZLE (ARC AS NEEDED)
- RAIN BIRD 1806 SERIES POP-UP W/ 10' NOZZLE (ARC AS NEEDED)
- ⊗ RAIN BIRD 1806 SERIES POP-UP W/ 8' NOZZLE (ARC AS NEEDED)
- ⊙ RAIN BIRD 1806 SERIES POP-UP W/ 15' STRIP NOZ. (ARC AS NEEDED)
- ⊕ RAIN BIRD PGA-100 1" REMOTE CONTROL VALVE
- M POINT OF CONNECTION - 1" POTABLE WATER METER (28 GPM AT 60 PSI REQUIRED)
- W WATTS 800M2QT - 1.5" BACKFLOW PREVENTIVE DEVICE (CHECK LOCAL CODES)
- ⊕ RAIN BIRD ESP-LX HYBRID IRRIGATION CONTROLLER W/ HUNTER WIRELESS RAIN-CLIP (CONFIRM EXACT LOCATION PRIOR TO CONSTRUCTION)
- MAIN LINE - SCH 40 PVC (UNLESS OTHERWISE REQUIRED BY LOCAL CODE) - SIZED AS INDICATED
- LATERAL LINE - PVC CLASS 160 (UNLESS OTHERWISE REQUIRED BY LOCAL CODE) - TO BE SIZED NOT TO EXCEED A VELOCITY OF 5 FPS AND MAXIMUM LOSS IN ZONE LINES NOT TO EXCEED 10% OPERATING PSI - MINIMUM PIPE SIZE TO BE 3/4"
- SLEEPING - PVC SCH 40 (4" UNLESS NOTED)
- RAIN BIRD #LD-09-12 IN-LINE PRESSURE COMPENSATING DRIP TUBING
- ⊕ RAIN BIRD XGZ-150-COM REMOTE CONTROL VALVE
- ▲ POINT OF CONNECTION - PVC TO DRIP TUBING
- ⊗ RAIN BIRD 1404 BUBBLER ON PVC FLEX PIPE



**IRRIGATION NOTES:**

1. IRRIGATION CONTRACTOR SHALL EXERCISE CARE SO AS TO NOT DAMAGE EXISTING UTILITIES. IRRIGATION CONTRACTOR SHALL VERIFY EXISTING UTILITIES. IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMMEDIATE REPAIRS OF ANY DAMAGE CAUSED BY HIS WORK.
2. ALL MAIN LINE PIPING SHALL BE BURIED AT A DEPTH TO HAVE A MINIMUM COVER OF 18". ALL LATERAL LINE PIPING TO HAVE A MINIMUM COVER OF 12".
3. IRRIGATION CONTRACTOR TO BE RESPONSIBLE FOR ALL ELECTRICAL HOOK-UPS.
4. SUPPLY PIPING SHALL BE FLUSHED FREE OF ALL DIRT, DEBRIS, AND CHIPS PRIOR TO THE INSTALLATION OF THE BACKFLOW PREVENTOR.
5. SLEEVES SHALL BE REQUIRED UNDER ALL SIDEWALKS AND DRIVEWAYS MINIMUM SLEEVE SIZE SHALL BE 2".
6. 12" HIGH POP-UPS SHALL BE USED IN ALL SHRUBBERY AREAS. SUPPORT THE RISER WITH A #5 REBAR STAKE AND NYLON CABLE TIES.
7. ALL 24 VOLT WIRES FROM THE IRRIGATION CONTROLLER TO THE REMOTE CONTROL VALVES SHALL BE AWG SIZE 14. TYPE UF DIRECT BURIAL SINGLE STRAND WIRE. WIRES ARE TO BE BUNDLED TOGETHER THEN TIED TO THE BOTTOM OF THE MAIN LINE PIPE WITHIES AT 10' INTERVALS. WIRE BURIED IN TRENCHES W/OUT MAIN LINE PIPE SHALL BE INSERTED IN 1/2" CL 180 PVC PIPE AND BURIED WITH A MINIMUM COVER OF 18".
8. IRRIGATION CONTRACTOR SHALL HAVE THE BACKFLOW PREVENTOR TESTED BY A CERTIFIED TECHNICIAN.
9. BACKFLOW PREVENTOR SHALL BE TESTED AT LEAST ANNUALLY.
10. REFER TO THE LANDSCAPE PLAN WHEN TRENCHING TO AVOID TREES AND SHRUBS.
11. ALL PVC PIPING FOR MAINLINE, SLEEVES AND RISERS SHALL BE SCH. 40. ALL OTHER PIPING SHALL BE CLASS 160 OR 200.
12. ALL POP-UP ROTORS AND SPRAYS SHALL BE INSTALLED USING AN 18" FLEX PIPE CONNECTION.
13. ADJUST ALL NOZZLES TO REDUCE WATER WASTE ON HARD SURFACES AND WALLS.
14. THROTTLE VALVES ON SPRAY ZONES AS REQUIRED TO PREVENT FOGGING.
15. IRRIGATION CONTRACTOR SHALL PREPARE AN AS-BUILT DRAWING ON REPRODUCIBLE PAPER SHOWING ALL INSTALLATION THAT DEVIATES FROM THESE DRAWINGS. THE AS-BUILT SHALL LOCATE ALL MAIN LINE PIPING, CONTROL WIRES AND VALVES BY SHOWING EXACT MEASUREMENTS FROM HARD SURFACES.
16. ALL VALVES, GATE VALVES AND QUICK COUPLING VALVES SHALL BE INSTALLED IN VALVE BOXES. VALVE BOXES SHALL HAVE A MIN. 3" BED OF PEA GRAVEL AREAS.
17. ANY PIPING SHOWN OUTSIDE THE PROPERTY LINE OR RUNNING OUTSIDE A LANDSCAPED AREA IS SHOWN THERE FOR CLARITY ONLY. ALL LINES SHALL BE INSTALLED ON THE PROPERTY OR RIGHT OF WAYS AND INSIDE THE LANDSCAPE AREAS.
18. ALL RISERS SHALL BE PLACED A MIN. OF 12" FROM ANY SIDEWALK, PATIO OR ROAD.
19. EXACT CONTROLLER LOCATION TO BE COORDINATED WITH AN OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
20. PROPERLY GROUND THE CONTROLLER TO A 5/8" X 8" COPPER CLAD GROUND ROD WITH AWG #6 BARE SOLID COPPER WIRE. ALL SPLICES AND CONNECTIONS TO THE 24 VOLT CONTROL WIRE SHALL BE MADE WITH KING TECHNOLOGY #6 WIRE CONNECTOR.
21. ALL PIPE AND FITTINGS SHALL BE IN ACCORDANCE WITH LOCAL CODES.
22. INSTALL DRIP TUBING AT GRADE AND COVER WITH MULCH. TYPICAL SPACING FOR DRIP TUBING IS 18" TO 24" ON CENTER. SPACING TO BE ADJUSTED FOR PLANT LAYOUT. REFER TO LANDSCAPE PLAN. ANCHOR TUBING EVERY 10' WITH 12" LONG PLASTIC TUBING STAKES.



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PROJECT NAME: Wawa Gas Station Clearwater, Florida  
 SHEET TITLE: Irrigation Plan

PREPARED FOR: BOWMAN CONSULTING One Urban Centre, 4800 W. Kennedy Blvd. Suite 600, Tampa, FL 33609  
 ADDRESS: Countryside Blvd. and U.S. HWY 19 N.

Revisions:

NO.	DATE	DESCRIPTION

PROJ. NO.: C009017K  
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 DRAWN: KC  
 DESIGNED: J.R./KC  
 CHECKED: J.R.

JASON E. RINARD, R.L.A. FL REG. NO. 0001608 LANDSCAPE ARCHITECT

02/10/17  
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SHEET: IR1.0

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