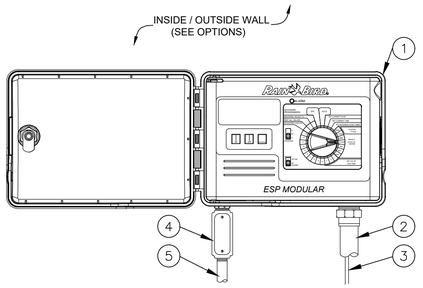
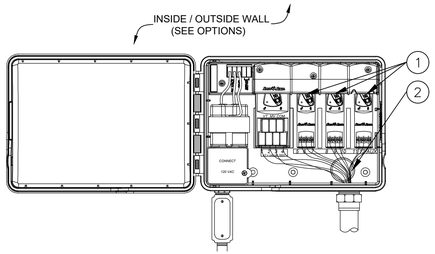
DRC
PZ25-12000039
12/17/2025



1. MODULAR CONTROLLER: RAIN BIRD ESP-4M (SEE OPTIONS) INSIDE WALL MOUNT
2. 1.5-INCH PVC SCH 40 CONDUIT AND FITTINGS
3. WIRES TO REMOTE CONTROL VALVES
4. JUNCTION BOX
5. 1-INCH PVC SCH 40 CONDUIT TO POWER SUPPLY

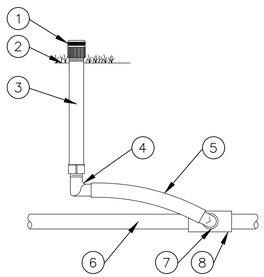
- [x] SELECT DESIRED MODEL
- [ ] 4-STATION
- [ ] 7-STATION
- [ ] 10-STATION
- [ ] 13-STATION
- [x] SELECT DESIRED LOCATION
- [ ] INDOOR WALL MOUNT (i)
- [ ] OUTDOOR WALL MOUNT



1. OPTIONAL MODULES FOR CONTROLLER - (SEE OPTIONS)
2. WIRES TO REMOTE CONTROL VALVE(S)

RAINBIRD IRRIGATION DETAIL MODULAR CONTROLLER

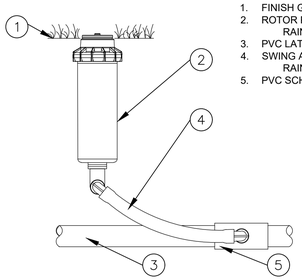
03 SECTION — NOT TO SCALE



1. ADJUSTABLE FULL CIRCLE BUBBLER: RAIN BIRD 1300A-F
2. FINISH GRADE/TOP OF MULCH
3. UV RADIATION RESISTANT 1/2" PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
4. 1/2" FEMALE NPT X 0.490" BARB ELBOW: RAIN BIRD MODEL SBFE-050
5. SWING PIPE, 12" LENGTH: RAIN BIRD MODEL, SP-100
6. PVC LATERAL PIPE
7. 1/2" MALE NPT X 0.490" BARB ELBOW: RAIN BIRD MODEL SBE-050
8. SCH 40 TEE OR ELL

RAINBIRD IRRIGATION DETAIL PCN BUBBLER

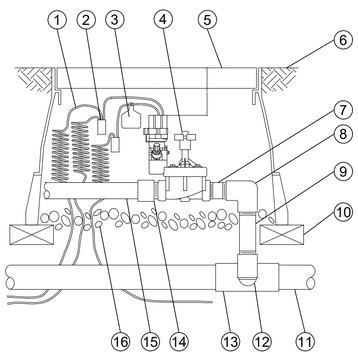
05 SECTION — NOT TO SCALE



1. FINISH GRADE/TOP OF MULCH
2. ROTOR POP-UP SPRAY SPRINKLER: RAIN BIRD - (SEE OPTIONS)
3. PVC LATERAL PIPE
4. SWING ASSEMBLY: RAIN BIRD MODEL SA125050
5. PVC SCH 40 TEE OR ELL

RAINBIRD IRRIGATION DETAIL ROTOR POP-UP SPRINKLER (3504-PC)

02 SECTION — NOT TO SCALE

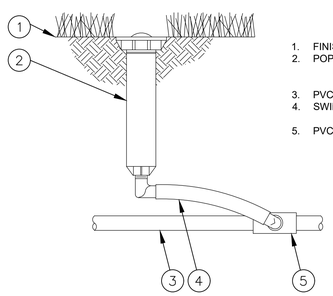


1. WIRE COIL
2. WATERPROOF CONNECTION
3. ID TAG: RAIN BIRD VID SERIES
4. REMOTE CONTROL VALVE
5. VALVE BOX WITH COVER
6. FINISH GRADE/TOP OF MULCH
7. PVC SCH 80 NIPPLE (CLOSE)
8. PVC SCH 40 ELL
9. PVC SCH 80 NIPPLE
10. BRICK (1 OF 4)
11. PVC MAINLINE PIPE
12. SCH 80 NIPPLE
13. PVC SCH 40 TEE OR ELL
14. PVC SCH 40 MALE ADAPTER
15. PVC LATERAL PIPE
16. WASHED GRAVEL

NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. DO NOT SCALE DRAWINGS.

RAINBIRD PEB VALVE

04 PLAN — NOT TO SCALE



1. FINISH GRADE/TOP OF MULCH
2. POP-UP SPRAY SPRINKLER: RAIN BIRD 1806 WITH RAIN BIRD ROTARY NOZZLE
3. PVC LATERAL PIPE
4. SWING ASSEMBLY WITH 1800 VPC RAIN BIRD MODEL SA 6050
5. PVC SCH 40 TEE OR ELL

RAINBIRD IRRIGATION DETAIL 1806 6" POP-UP SPRAY HEAD

01 SECTION — NOT TO SCALE

IRRIGATION NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR ALL MATERIAL REQUIRED TO MAKE THE SYSTEM FUNCTION PROPERLY. ALL IRRIGATION SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND ALSO STATE AND/OR LOCAL CODES.
2. IRRIGATION PLANS ARE SCHEMATIC AND DRAWN FOR GRAPHIC CLARITY. ALL PIPING BELOW PAVEMENT SHALL BE SLEEVED. LAYOUT OF IRRIGATION SYSTEM SHALL BE COORDINATED WITH CORRESPONDING LANDSCAPE PLAN.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING LOCAL UNDERGROUND UTILITY PROVIDERS TO VERIFY LOCATIONS. THE CONTRACTOR IS ENCOURAGED TO VISIT THE SITE PRIOR TO INSTALLATION AND BECOME FAMILIAR WITH EXISTING CONDITIONS.
4. VALVE LOCATIONS ARE SCHEMATIC ONLY AND WILL BE ADJUSTED FOR SITE CONDITIONS. EACH VALVE SHALL BE INSTALLED IN A AMETEK OR CARSON VALVE BOX. THE FLOW ADJUSTMENT FEATURE WILL BE USED TO BALANCE PRESSURE THROUGHOUT THE SYSTEM.
5. PIPING SHALL BE SIZED TO MINIMIZE FRICTION LOSS AND MAINTAIN FLOW VELOCITY BELOW 5 FPS.
6. THE IRRIGATION CONTROLLER SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL CODES AND MANUFACTURER'S RECOMMENDATIONS. PROPER GROUNDING EQUIPMENT AND SURGE PROTECTION SHALL BE PROVIDED. A RAIN SENSOR SHALL BE INSTALLED TO OVER-RIDE THE CONTROLLER.
7. ALL HEADS ON RISERS SHALL BE SET AT THE HEIGHT OF ADJACENT PLANT MATERIAL.
8. SPRINKLER LOCATIONS ADJACENT TO PAVEMENT, STRUCTURES, FENCES, ETC. SHALL BE OFFSET AS FOLLOWS: 12" MIN FOR POP-UP MIST HEADS, 18" FOR SHRUB RISERS, 18" FOR ROTOR HEADS, AND TYPICALLY 5 FEET FOR ROTORS ALONG UNCURBED ROADWAYS.
9. ALL SLEEVING SHALL BE SCH 40 PVC TO SIZE INDICATED ON PLAN, OR IF NOT INDICATED, A MIN. OF 2 PIPE SIZES LARGER THAN SUPPLY LINE CONTAINED. ALL SLEEVES SHALL BE INSTALLED A MIN. OF 24" BELOW FINISH GRADE.
10. CONTROL WIRES SHALL BE UL APPROVED PE IRRIGATION CONTROL WIRE. USE 14 GAGE CONTROL WIRE AND 12 GAGE GROUND WIRE. WIRE SHALL BE BUNDLED AND ATTACHED TO THE MAIN LINE IN TRENCH OR THROUGH WIRE SLEEVES AT PAVEMENT CROSSINGS 24" BELOW FIN. GRADE. ALL SPLICES SHALL BE MADE WITH WATERPROOF DIRECT-BURIAL SPLICE KITS AND CONTAINED IN VALVE BOXES. TWO EXTRA CONTROL WIRES SHALL BE INSTALLED TO THE FURTHEST VALVES IN EACH DIRECTION FROM THE CONTROLLER.
11. PIPING IN NARROW PLANTING AREAS, PARKING ISLANDS AND PLANTERS SHALL BE SET TO ONE SIDE TO ALLOW ROOM FOR ROOT BALLS. PIPE AS INDICATED ON PLAN IS SCHEMATIC AND SHOULD BE ADJUSTED FOR FIELD CONDITIONS.
12. ALL GLUE JOINTS SHALL BE CLEANED, SANDED, AND TREATED WITH A COLORED HIGH ETCH PRIMER AND JOINED USING A SOLVENT CONFORMING WITH ASTM D2564.
13. SYSTEM PIPE SIZE 3/4" SHALL BE CLASS 200 PVC; SYSTEM PIPE SIZE 1" OR GREATER SHALL BE CLASS 160 PVC. SYSTEM MAIN WILL BE SCH. 40 PVC TO SIZE INDICATED ON PLAN. ALL FITTINGS WILL BE SOLVENT WELD SCH 40 PVC. MAIN LINE SHALL HAVE 24" MINIMUM COVER; ALL OTHER PIPING WILL HAVE 12" MIN. COVER. ALL BACKFILL FOR PIPE TRENCHES SHALL BE CLEAN AND FREE OF FOREIGN DEBRIS AND SHARP OBJECTS; BACKFILLED TRENCHES SHALL BE PROPERLY COMPACTED. ALL MAIN LINES WILL BE INSTALLED A MIN. OF 3' FROM ANY TREE OR PALM.
14. WATERING TIME PER STATION WILL BE DETERMINED IN THE FIELD AND PER LOCAL REQUIREMENTS. REFER TO MANUFACTURER'S INSTRUCTIONS FOR PRECIPITATION RATES OF SPRINKLERS SPECIFIED.
15. IRRIGATION SYSTEM TO PROVIDE 100% COVERAGE WITH 100% OVERLAP MIN. PROVIDE BUBBLERS FOR ALL NEW AND RELOCATED TREES AND PALMS.
16. RUST CONTROL SYSTEM TO BE INSTALLED WITH PUMP STATION (IF FROM WELL).
17. THE IRRIGATION SYSTEM IN THE RIGHT-OF-WAY IS TO INCORPORATE LOW TRAJECTORY SPRAY HEADS TO MINIMIZE OVERSPRAY.
18. AS-BUILT DRAWINGS SHALL BE PREPARED BY THE CONTRACTOR AND GIVEN TO THE OWNER PRIOR TO FINAL ACCEPTANCE.
E SHALL BE LEFT IN A NEAT AND PRESENTABLE CONDITION SATISFACTORY TO THE OWNER PRIOR TO SUBMITTAL OF THE FINAL PAYMENT.

KEITH
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REVISIONS

NO.	DESCRIPTION	DATE

PRELIMINARY PLAN NOT FOR CONSTRUCTION

THESE PLANS ARE NOT FULLY PERMITTED AND ARE SUBJECT TO REVISIONS MADE DURING THE PERMITTING PROCESS.

RESPONSIBILITY FOR THE USE OF THESE PLANS PRIOR TO OBTAINING PERMITS FROM ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT WILL FALL SOLELY UPON THE USER.

ISSUE DATE:	11/12/2025
DESIGNED BY:	KU, KS
DRAWN BY:	KU
CHECKED BY:	KU, KS
BID-CONTRACT:	

This item has been digitally signed and sealed by Paul H. Weinberg. on the date below using a Digital Signature.

REGISTERED LANDSCAPE ARCHITECT — PAUL H. WEINBERG — LA 6666804 — STATE OF FLORIDA

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Date: 2025.11.12 16:31:24-05'00'

PAUL H. WEINBERG, R.L.A.
FLORIDA REG. NO. LA6666804
(FOR THE FIRM)

CLIENT

JADIAN IOS

PROJECT

951 SW 12th AVENUE
POMPANO BEACH FL

SHEET TITLE

IRRIGATION DETAILS

SHEET NUMBER	LI-501
PROJECT NUMBER	15427.00

STATUS: PRELIMINARY

Plotted by: kurena On Wednesday, November 12, 2025 8:39:07 AM

Drawing name: H:\15427.00 - 951 S Andrews Ave - Jadian IOS\Landscape Architecture\CAD\15427.00 - LI-501.dwg