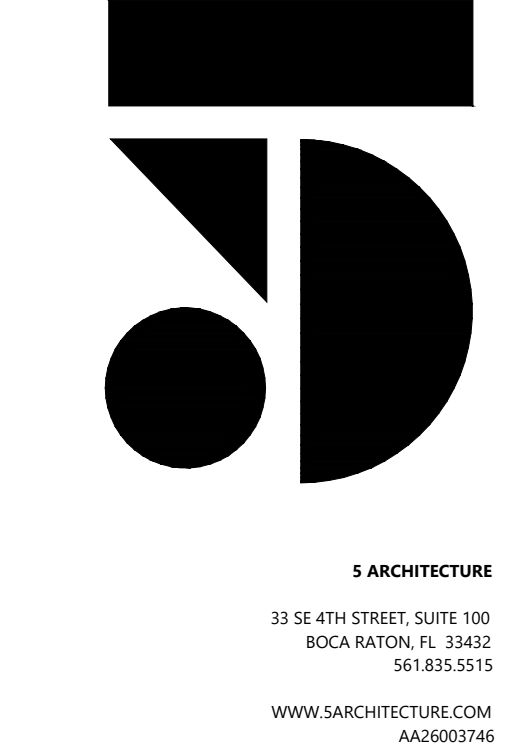


PIPE SIZE (")	max. GPM
3/4	10
1"	15
1 1/4"	25
1 1/2"	35
2"	55
2 1/2"	85
3"	over 85

<ol style="list-style-type: none"> <li>30-INCH LINEAR LENGTH OF WIRE, COILED</li> <li>WATER PROOF CONNECTION (1 OF 2)</li> <li>ID TAG</li> <li>REMOTE CONTROL VALVE: RAIN BIRD PEB</li> <li>VALVE BOX WITH COVER: 12-INCH SIZE</li> <li>FINISH GRADE/TOP OF MULCH</li> <li>PVC SCH 80 NIPPLE (CLOSE)</li> <li>PVC SCH 40 ELL</li> <li>PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)</li> <li>BRICK (1 OF 4 OPTIONAL)</li> <li>PVC MANLINE PIPE 24" COVER</li> <li>PVC 80 NIPPLE (2-INCH LENGTH, HIDDEN) AND SCH 40 ELL</li> <li>PVC SCH 40 TEE OR ELL</li> <li>PVC SCH 40 MALE ADAPTER</li> <li>PVC LATERAL PIPE</li> <li>3.0-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL (OPTIONAL)</li> </ol>	<ol style="list-style-type: none"> <li>RAINBOW BUBBLER AS SPECIFIED ON PLAN</li> <li>PLANT MATERIAL</li> <li>FINISH GRADE/TOP OF MULCH</li> <li>UV RADIATION RESISTANT 1/2 INCH PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)</li> <li>1/2-INCH FEMALE NPT x 3/4-INCH BARS ELBOW: RAIN BIRD MODEL SBE-050</li> <li>SWING PIPE, 12-INCH LENGTH: RAIN BIRD MODEL SP-100</li> <li>PVC LATERAL PIPE</li> <li>1/2-INCH MALE NPT x 400-INCH BARS ELBOW: RAIN BIRD MODEL SBE-050</li> <li>PVC SCH 40 TEE OR ELL</li> </ol>	<ol style="list-style-type: none"> <li>FINISH GRADE</li> <li>ROTOR POP-UP SPRINKLER: 1/2-INCH MALE NPT x 490 INCH BARS ELBOW</li> <li>SWING PIPE, 12-INCH LENGTH</li> <li>PVC LATERAL PIPE</li> <li>PVC SCH 40 TEE OR ELL</li> </ol>
<p>REMOTE CONTROL VALVE</p>	<p>BUBBLER</p>	<p>ROTOR POP-UP SPRINKLER</p>
<ol style="list-style-type: none"> <li>PLANT MATERIAL / SOD</li> <li>FINISH GRADE/TOP OF MULCH</li> <li>POP-UP SPRAY SPRINKLER: RAIN BIRD 195E W/SPECIFIED NOZZLE</li> <li>SWING PIPE, 12-INCH LENGTH: RAIN BIRD MODEL SP-100</li> <li>1/2-INCH MALE NPT x 490 INCH BARS ELBOW: RAIN BIRD MODEL SBE-050</li> <li>PVC LATERAL PIPE</li> <li>PVC SCH 40 TEE OR ELL</li> </ol>	<ol style="list-style-type: none"> <li>PLANT MATERIAL / SOD</li> <li>FINISH GRADE/TOP OF MULCH</li> <li>POP-UP SPRAY SPRINKLER: RAIN BIRD 195E W/SPECIFIED NOZZLE</li> <li>SWING PIPE, 12-INCH LENGTH: RAIN BIRD MODEL SP-100</li> <li>1/2-INCH MALE NPT x 490 INCH BARS ELBOW: RAIN BIRD MODEL SBE-050</li> <li>PVC LATERAL PIPE</li> <li>PVC SCH 40 TEE OR ELL</li> </ol>	<p>2' MIN</p> <p>MIN. 18"</p>
<p>6" POP-UP SPRAY SPRINKLER</p>	<p>12" POP-UP SPRAY SPRINKLER</p>	<p>SUPPLY - PRESSURE VACUUM BREAKER</p>

1. THE CONTRACTOR IS RESPONSIBLE FOR ALL MATERIAL REQUIRED TO MAKE THE SYSTEM FUNCTION PROPERLY. ALL IRRIGATION SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS AND ALSO STATE AND LOCAL CODES.
2. IRRIGATION PLANS ARE SCHEMATIC AND DRAWN FOR GRAPHIC CLARITY. ALL PIPING BELOW PAYMENT SHALL BE SLEEVED. LAYOUT OF IRRIGATION SYSTEM SHALL BE COORDINATED WITH ALL CORRESPONDING LANDSCAPE ARCHITECTURE PLANS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING LOCAL UNDERGROUND UTILITIES TO VERIFY LOCATIONS. THE CONTRACTOR SHOULD 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 VALV SHALL BE INSTALLED IN A METEOR 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 MANUFACTURERS RECOMMENDATIONS. ALL IRRIGATION EQUIPMENT SHALL BE PROTECTED BY FLOOD PROTECTION. 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 ROTOR-ALS ALONG UNCURED ROADWAYS.
9. ALL SLEEVING SHALL BE SCH 40 PIPE TO SIZE INSTALLED ON PLAN. OR IF NOT INDICATED, A MIN. OF 1/2" PIPE SIZES. ALL SUPPLY LINE CONTAINED ALL SLEEVES SHALL BE INSTALLED A MIN. OF 1/2" BEND FINISH GRADE.

10. CONTROL GROUND WIRE SHALL BE UL APPROVED PE IRRIGATION CONTROL WIRE. USE 14 GAUGE CONTROL WIRE AND 12 GAUGE GROUND WIRE. WIRE SHALL BE BUNDLED AND ATTACHED TO THE MAIN LINE IN TRENCES THROUGH WIRE SLEEVES AT PAVEMENT CROSSINGS 24" BELOW FIN. GRADE. ALL SPLICES SHALL BE COVERED WITH WIRE DRESSING. SPLICE KITS AND CONTAINED IN VALVE BOXES. TWO EXTRA CONTROL WIRE 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 GUE 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 SHALL 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 OTHERS 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. AS-BUILT DRAWINGS SHALL BE PREPARED BY THE CONTRACTOR AND GIVEN TO THE OWNER PRIOR TO FINAL ACCEPTANCE.
15. 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.
16. IRRIGATION SYSTEM TO PROVIDE 100% COVERAGE WITH 50% OVERLAP MIN.
17. ALL TREES AND PALMS TO HAVE BUBBLERS



SEAL:

DIGITAL SIGNATURE:

CLIENT / PROJECT ADDRESS

## HODGE MARINE

**AGT**LAND  
LANDSCAPE ARCHITECTURE

132 NORTH SWINTON AVENUE  
DELRAY BEACH, FL 33444  
T (561) 276-5050  
[www.agtland.com](http://www.agtland.com)

1857 NW 21ST STREET  
POMPANO BEACH, FLORIDA 33069

REVISIONS:

NO.	DATE	DESCRIPTION
1	2025-08-12	DRC PLAN REVIEW

### KEY PLAN

PROJECT NUMBER: 24-057

DATE ISSUED: 2025-06-09

**SHEET TITLE:**

### IRRIGATION PLAN

SHEET NO.

1001