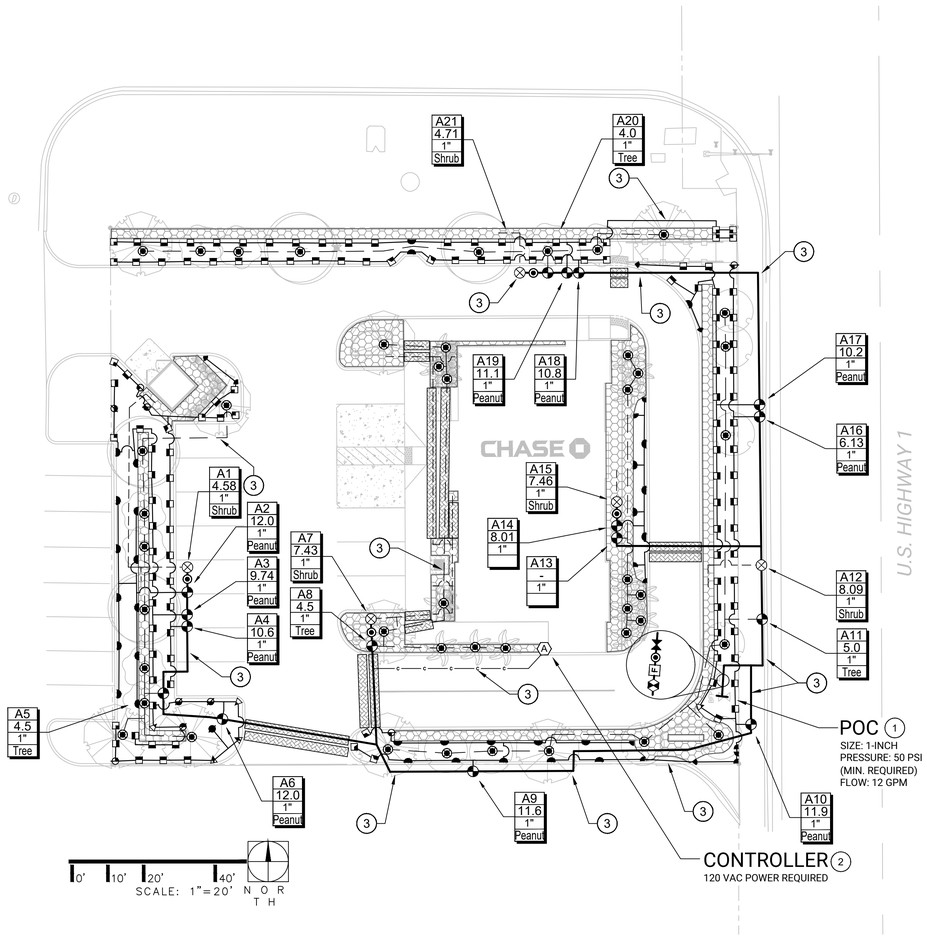

IRRIGATION LEGEND

- SLEEVES: **CLASS 200 PVC**
- POINT-OF-CONNECTION ASSEMBLY
- MAINLINE PIPE: **CLASS 200 PVC**
  1 1/4-INCH SIZE UNLESS OTHERWISE INDICATED
- LATERAL PIPE TO SPRINKLERS: **CLASS 200 PVC**
  1-INCH SIZE UNLESS OTHERWISE INDICATED
- LATERAL PIPE TO INLINE DRIP HEADER: **CLASS 200 PVC**
  1-INCH SIZE UNLESS OTHERWISE INDICATED
- LATERAL PIPE TO TREE EMITTERS: **CLASS 200 PVC**
  1-INCH SIZE UNLESS OTHERWISE INDICATED
- INLINE DRIP TUBING: **NETAFIM TLCV09-12 WITH RAINBIRD XQF DRIPLINE HEADER**
  0.9 GPH EMITTERS, 12" EMITTER SPACING, 18" ROW SPACING
- REMOTE CONTROL VALVE ASSEMBLY FOR SPRINKLER LATERALS:
  WEATHERMATIC MAX-DW (SIZED PER PLAN)
- REMOTE CONTROL DRIP VALVE ASSEMBLY: **WEATHERMATIC SCZ-MAX-DW-10**
- MASTER VALVE ASSEMBLY: **1-INCH WEATHERMATIC MAX-DW**
- F — FLOW SENSOR ASSEMBLY: **WEATHERMATIC SLFSI-T10**
- QUICK COUPLING VALVE ASSEMBLY: **RAIN BIRD 5RC**
- ISOLATION GATE VALVE ASSEMBLY: **MATCO 514**
- UNCONNECTED PIPE CROSSING

A1 / 14 / 1" / Turf
- INDICATES CONTROLLER AND STATION NUMBER
- INDICATES LATERAL DISCHARGE (GPM)
- INDICATES VALVE SIZE (INCHES)
- INDICATES LANDSCAPE APPLICATION

- C — IRRIGATION CONTROLLER UNIT BUNDLE WITH WEATHERSTATION:
  WEATHERMATIC SLWM-SS-4824-10YR-BDL-FLOW-CHASE
- c — IRRIGATION CONTROL WIRES IN CONDUIT OR WITH WARNING TAPE

- POP-UP SPRAY SPRINKLER: **WEATHERMATIC MAX12PRS30-CV W/ MPR SERIES NOZZLES**
  PRESSURE: **30 PSI** RADIUS: **8 FEET**
  FLOW (GPM): **Q-0.40 H-0.80 F-1.60**
- POP-UP SPRAY SPRINKLER: **WEATHERMATIC MAX12PRS30-CV W/ MPR SERIES NOZZLES**
  PRESSURE: **30 PSI** RADIUS: **10 FEET**
  FLOW (GPM): **Q-0.40 H-0.80 F-1.60**
- POP-UP SPRAY SPRINKLER: **WEATHERMATIC MAX12PRS30-CV W/ MPR SERIES NOZZLES**
  PRESSURE: **30 PSI** RADIUS: **12 FEET**
  FLOW (GPM): **Q-0.70 H-1.30 F-2.60**
- POP-UP SPRAY SPRINKLER: **WEATHERMATIC MAX12PRS30-CV W/ MPR SERIES NOZZLES**
  PRESSURE: **30 PSI** RADIUS: **15 FEET**
  FLOW (GPM): **Q-0.90 H-1.90 F-3.70**
- POP-UP SPRAY SPRINKLER: **WEATHERMATIC MAX12PRS30-CV W/ MPR SERIES NOZZLE**
  PRESSURE: **30 PSI** RADIUS: **4 FEET X 15 FEET**
  FLOW (GPM): **EST-0.60 SST-1.20**
- TREE BUBBLER ASSEMBLY: **TWO (2) WEATHERMATIC MAX6PRS30-CV SPRAY BODIES W/ 106-50 BUBBLER NOZZLES**
  PRESSURE: **30 PSI** FLOW (GPM): **0.25 PER BUBBLER; 0.50 PER ASSEMBLY**

THE WEATHERMATIC IRRIGATION CONTROLLER MEETS CHASE REQUIREMENTS AND WILL PROVIDE UNIQUE CONNECTION TO THE BANK BUILDING MONITORING SYSTEM, LONG-TERM COMMUNICATIONS, AND MANAGED SERVICES. GENERAL CONTRACTOR SHALL ORDER CONTROLLER, AIRCARD AND WEATHER STATION DIRECTLY FROM WEATHERMATIC. ALL OTHER IRRIGATION SYSTEM MATERIALS AND EQUIPMENT SHALL BE PROCURED SEPARATELY BY THE INSTALLING IRRIGATION CONTRACTOR. IRRIGATION CONTRACTOR TO VERIFY CONTROLLER HAS BEEN ORDERED WITH GC PRIOR TO CONSTRUCTION.

REQUIRED: AFTER INSTALLATION AND ONLINE SET UP OF THE SMARTLINK CONTROL SYSTEM USING THE PRODUCT INSTRUCTIONS INCLUDED, CONTACT WEATHERMATIC TO PROVIDE THE SITE NAME AND CONTROLLER NAME IN SMARTLINK FOR FINAL ACTIVATION.
EMAIL: JPMCsupport@weathermatic.com

CONSTRUCTION NOTES

1. THE IRRIGATION SYSTEM POINT-OF-CONNECTION (POC) SHALL BE TO THE 1-INCH IRRIGATION SERVICE DOWNSTREAM OF A REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER, INSTALLED TO THIS APPROXIMATE LOCATION BY OTHERS. MAKE CONNECTION AND INSTALL IRRIGATION COMPONENTS AS SHOWN. VERIFY EXACT LOCATION OF POC WITH OWNER'S REPRESENTATIVE.
2. WALL MOUNT THE IRRIGATION CONTROLLER AND CELLULAR AIRCARD AT THE APPROXIMATE LOCATION SHOWN ON EXTERIOR OF BUILDING AND ACCORDING TO CHASE BANK STANDARDS. COORDINATE ELECTRICAL POWER WITH THE OWNER'S REPRESENTATIVE. CARE SHOULD BE TAKEN TO INSTALL THE IRRIGATION CONTROLLER IN A LOCATION THAT IS ACCESSIBLE FOR MAINTENANCE, AND SCREENED FROM VIEW EITHER BEHIND ENTRY WALLS, NEXT TO BUILDINGS, OR BEHIND PLANT MATERIAL. FINAL LOCATION TO BE APPROVED BY OWNER'S REPRESENTATIVE.
3. IRRIGATION SHOWN OUT OF LANDSCAPED AREA FOR CLARITY ONLY. INSTALL IRRIGATION COMPONENTS WITHIN LANDSCAPED AREA.

CHASE BANK DESIGN NOTE

THESE IRRIGATION PLANS HAVE BEEN DESIGNED IN ACCORDANCE WITH CHASE BANK PROTOCOL 20.7 AND THE CHASE BANK WATER CONSERVATION APPROACH. THE IRRIGATION SYSTEM SHALL BE CONSTRUCTED ACCORDING TO THE PLANS AND SPECIFICATIONS INCLUDED IN THIS CONSTRUCTION DOCUMENT PACKAGE WITH NO EXCEPTION. EQUIPMENT SUBSTITUTIONS OF ANY KIND ARE NOT PERMITTED.

CHASE 20.7 WATER SAVINGS INITIATIVES STATE THAT ALL CHASE IRRIGATION SYSTEMS BE INSTALLED WITH THE INTENT TO ESTABLISH HEALTHY PLANT MATERIAL DURING A 2-YEAR ESTABLISHMENT PERIOD, THEN BE DE-COMMISSIONED. THE IRRIGATION SYSTEM FOR THIS SITE HAS BEEN CUSTOMIZED TO PROVIDE ZONE-SPECIFIC IRRIGATION BASED ON PLANT MATERIAL AND WATERING NEEDS. THE LANDSCAPE CONTRACTOR SHALL FULLY PROGRAM AND UTILIZE THE WEATHERMATIC CONTROLLER AND WEATHER STATION TO ESTABLISH AND THEN GRADUALLY WEAN PLANTS OFF SUPPLEMENTAL IRRIGATION AS THE 2-YEAR ESTABLISHMENT PERIOD COMES TO AN END. CONTRACTOR SHALL THEN ADJUST ANY ONGOING WATERING WITH REAL-TIME CLIMATE CONDITIONS TO ENSURE THAT STRESS TO PLANT MATERIAL IS MINIMIZED AND THAT THE LANDSCAPE IS MAINTAINED TO CHASE STANDARDS.

INSTALLATION GENERAL NOTES

1. THE SYSTEM DESIGN ASSUMES A MINIMUM DYNAMIC PRESSURE FOR THE IRRIGATION SYSTEM OF 50 PSI (DOWNSTREAM OF THE IRRIGATION BACKFLOW PREVENTER), AT A MAXIMUM DISCHARGE OF 12 GPM AT THE 1-INCH IRRIGATION POINT-OF-CONNECTION (POC). VERIFY PRESSURE AND FLOW ON SITE PRIOR TO CONSTRUCTION.
2. READ THOROUGHLY AND BECOME FAMILIAR WITH THE SPECIFICATIONS AND INSTALLATION DETAILS FOR THIS AND RELATED WORK PRIOR TO CONSTRUCTION.
3. COORDINATE UTILITY LOCATES ("CALL BEFORE YOU DIG") OF UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
4. DO NOT PROCEED WITH THE INSTALLATION OF THE IRRIGATION SYSTEM WHEN IT IS OBVIOUS IN THE FIELD THAT OBSTRUCTIONS OR GRADE DIFFERENCES EXIST THAT MIGHT NOT HAVE BEEN CONSIDERED IN THE ENGINEERING. IF DISCREPANCIES IN CONSTRUCTION DETAILS, LEGEND, NOTES, OR SPECIFICATIONS ARE DISCOVERED, BRING ALL SUCH OBSTRUCTIONS OR DISCREPANCIES TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
5. THE DRAWINGS ARE DIAGRAMMATIC. THEREFORE, THE FOLLOWING SHOULD BE NOTED:
   A. ALTHOUGH IRRIGATION COMPONENTS MAY BE SHOWN OUTSIDE PLANTING AREAS FOR CLARITY, INSTALL IRRIGATION PIPE AND WIRING IN LANDSCAPED AREAS WHENEVER POSSIBLE.
   B. TREE AND SHRUB LOCATIONS AS SHOWN ON LANDSCAPE PLANS TAKE PRECEDENCE OVER IRRIGATION EQUIPMENT LOCATIONS. AVOID CONFLICTS BETWEEN THE IRRIGATION SYSTEM, PLANTING MATERIALS, AND ARCHITECTURAL FEATURES.
   C. USE ONLY STANDARD TEES AND ELBOW FITTINGS. USE OF TEES IN THE BULLNOSE CONFIGURATION, OR USE OF CROSS TYPE FITTINGS IS NOT ALLOWED.
6. PROVIDE THE FOLLOWING COMPONENTS TO THE OWNER PRIOR TO THE COMPLETION OF THE PROJECT:
   A. TWO (2) OPERATING KEYS FOR EACH TYPE OF MANUALLY OPERATED VALVES.
   B. TWO (2) OF EACH SERVICING WRENCH OR TOOL NEEDED FOR COMPLETE ACCESS, ADJUSTMENT, AND REPAIR OF ALL ROTARY SPRINKLERS.
7. SELECT NOZZLES FOR SPRAY AND ROTARY SPRINKLERS WITH ARCS WHICH PROVIDE COMPLETE AND ADEQUATE COVERAGE WITH MINIMUM OVERSPRAY FOR THE SITE CONDITIONS. CAREFULLY ADJUST THE RADIUS OF THROW AND ARC OF COVERAGE OF EACH ROTARY SPRINKLER TO PROVIDE THE BEST PERFORMANCE.
8. THE IRRIGATION CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF IRRIGATION SLEEVING. SLEEVES ARE REQUIRED FOR BOTH PIPING AND ELECTRICAL WIRING AT EACH HARDSCAPE CROSSING. COORDINATE INSTALLATION OF SLEEVING WITH OTHER TRADES. ANY PIPE OR WIRE WHICH PASSES BENEATH EXISTING HARDSCAPE WHERE SLEEVING WAS NOT INSTALLED WILL REQUIRE HORIZONTAL BORING BY THE IRRIGATION CONTRACTOR. PIPE SLEEVES SHALL BE SIZED TWICE THE NOMINAL SIZE OF THE PIPE PASSING THROUGH.
9. INSTALL ALL ELECTRICAL POWER TO THE IRRIGATION CONTROL SYSTEM IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE AND ALL APPLICABLE LOCAL ELECTRIC UTILITY CODES.
10. THE FOLLOWING SHOULD BE NOTED REGARDING PIPE SIZING: IF A SECTION OF UNSIZED PIPE IS LOCATED BETWEEN TWO IDENTICALLY SIZED SECTIONS, THE UNSIZED PIPE IS THE SAME NOMINAL SIZE AS THE TWO SIZED SECTIONS. THE UNSIZED PIPE SHOULD NOT BE CONFUSED WITH THE DEFAULT PIPE SIZE NOTED IN THE LEGEND.
11. INSTALL TWO (2) #14 AWG CONTROL WIRES ON STANDARD WIRE SYSTEMS OR ONE (1) #14 AWG TWO-WIRE PAIR ON TWO-WIRE SYSTEMS, FOR USE AS SPARES. INSTALL SPARE WIRES FROM CONTROLLER LOCATION TO EACH DEAD-END OF MAINLINE. COIL 3 FEET OF WIRE IN VALVE BOX.

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PROJECT No.:	PIERCE, FL
DRAWN BY:	SH
CHECKED BY:	MT
DATE:	02/10/2025
CAD I.D.:	IR-CHASE FT

PROJECT:

PROP. SITE PLAN DOCUMENTS

FOR

CHASE

PROPOSED DEVELOPMENT

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BRENT C. JEFFERY — CERTIFIED IRRIGATION DESIGNER 23678 — COMMERCIAL

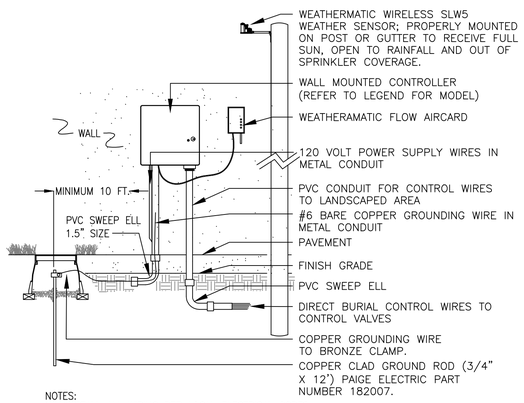
SHEET TITLE:

IRRIGATION PLAN

SHEET NUMBER:

IR-101

ORG. DATE - 02/10/2025



NOTES:
1. INSTALL ALL WIRING PER LOCAL ELECTRICAL CODES.
2. INSTALL GROUND ROD WITHIN IRRIGATED TURF AREA. IF IRRIGATED TURF AREA IS NOT IN CLOSE PROXIMITY TO CONTROLLER, INSTALL ONE (1) DRIP EMITTER FROM NEAREST DRIP VALVE IN VALVE BOX HOUSING GROUNDING ROD.

1 WALL MOUNT CONTROLLER ASSEMBLY

THE WEATHERMATIC IRRIGATION CONTROLLER MEETS CHASE REQUIREMENTS AND WILL PROVIDE UNIQUE CONNECTION TO THE BANK BUILDING MONITORING SYSTEM, LONG-TERM COMMUNICATIONS, AND MANAGED SERVICES. GENERAL CONTRACTOR SHALL ORDER CONTROLLER, AIRCARD AND WEATHER STATION DIRECTLY FROM WEATHERMATIC. ALL OTHER IRRIGATION SYSTEM MATERIALS AND EQUIPMENT SHALL BE PROCURED SEPARATELY BY THE INSTALLING IRRIGATION CONTRACTOR. IRRIGATION CONTRACTOR TO VERIFY CONTROLLER HAS BEEN ORDERED WITH GC PRIOR TO CONSTRUCTION.

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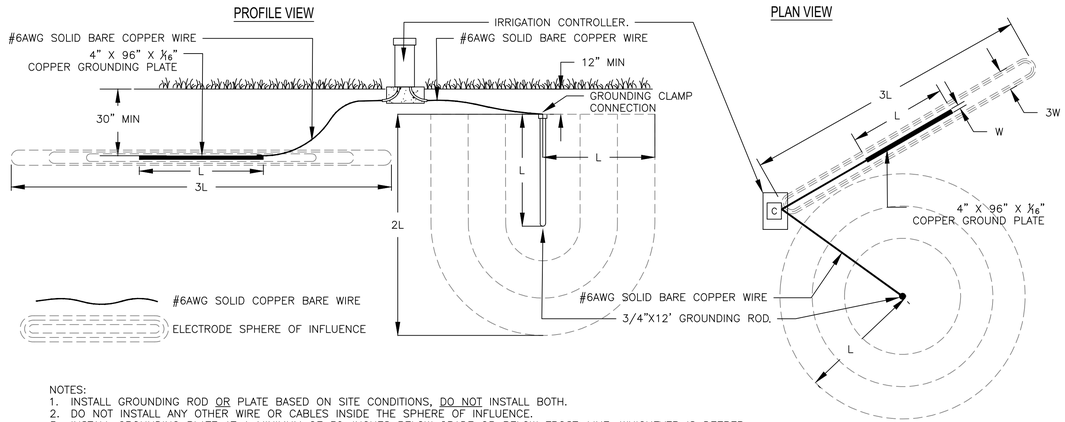
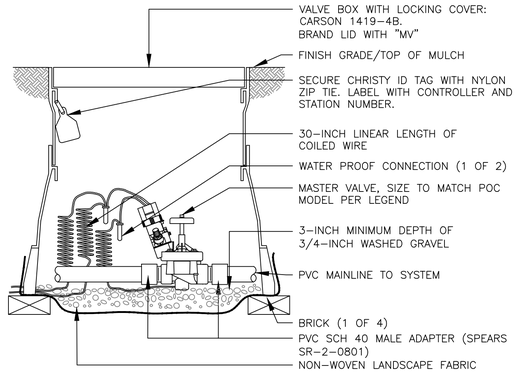
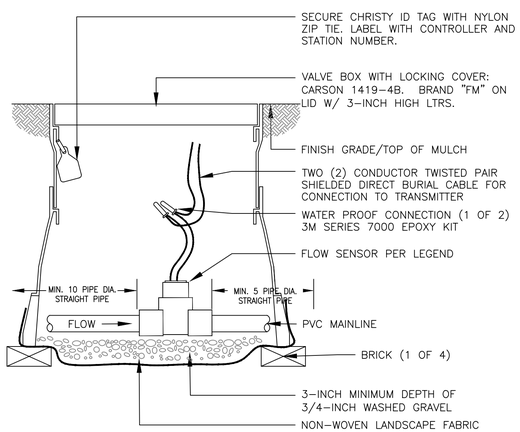


NOTES:
1. INSTALL GROUNDING ROD OR PLATE BASED ON SITE CONDITIONS, DO NOT INSTALL BOTH.
2. DO NOT INSTALL ANY OTHER WIRE OR CABLES INSIDE THE SPHERE OF INFLUENCE.
3. INSTALL GROUNDING PLATE AT A MINIMUM OF 30-INCHES BELOW GRADE OR BELOW FROST-LINE, WHICHEVER IS DEEPER.
4. TYPICAL INSTALLATION SHOWN FOR AN IRRIGATION CONTROLLER CAPACITY OF 64 STATIONS OR LESS, INSTALL AN ADDITIONAL GROUNDING ROD/PLATE PER 64 STATIONS.

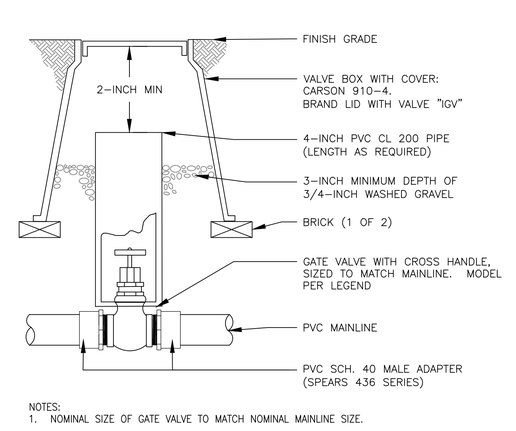
2 TYPICAL IRRIGATION CONTROLLER GROUNDING ROD OR PLATE INSTALLATION



3 MASTER VALVE ASSEMBLY

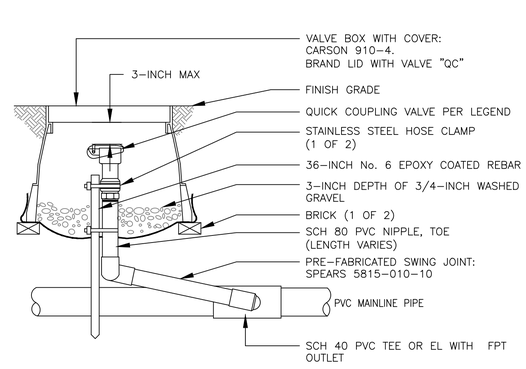


4 FLOW SENSOR ASSEMBLY

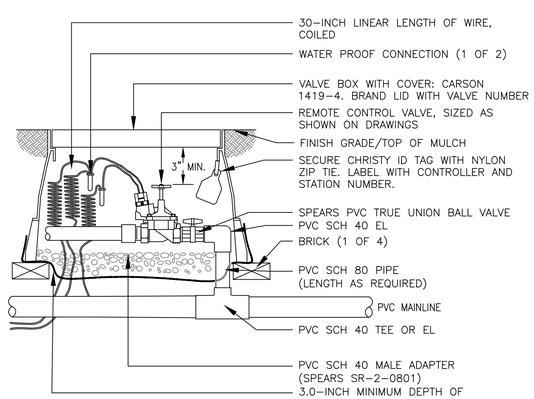


NOTES:
1. NOMINAL SIZE OF GATE VALVE TO MATCH NOMINAL MAINLINE SIZE.

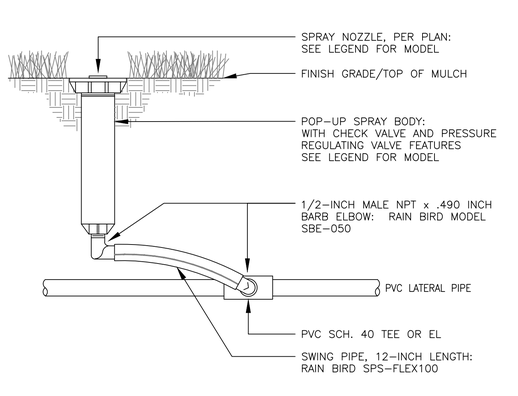
5 ISOLATION GATE VALVE ASSEMBLY



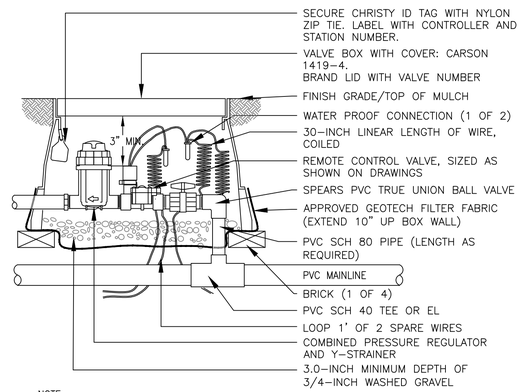
6 QUICK COUPLING VALVE ASSEMBLY



7 REMOTE CONTROL SPRINKLER VALVE ASSEMBLY



8 12-INCH POP UP SPRAY SPRINKLER ASSEMBLY TO PERENNIAL PEANUT



NOTE:
1. USE BARBED INSERT FITTINGS ON DRIP LATERAL PIPE WITH STAINLESS STEEL HOSE CLAMPS. PLACE CLAMPS ON DRIP TUBING DIRECTLY OVER BARBED AREA OF FITTING. PINCH CLAMPS ARE NOT ACCEPTABLE.

9 REMOTE CONTROL DRIP VALVE ASSEMBLY

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BRENT C. JEFFERY — CERTIFIED IRRIGATION DESIGNER — 23678 — COMMERCIAL

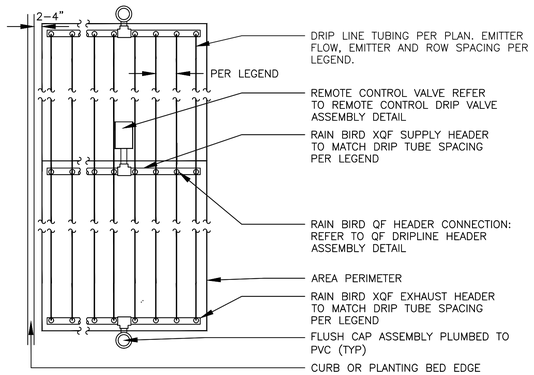
SHEET TITLE:

IRRIGATION DETAILS

SHEET NUMBER:

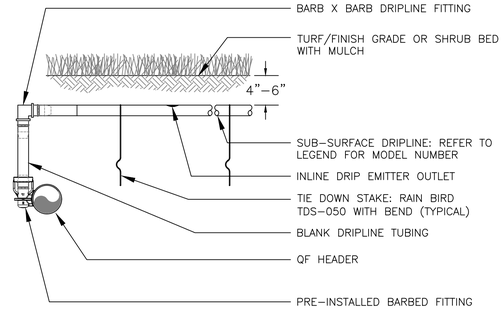
IR-102

ORG. DATE - 02/10/2025



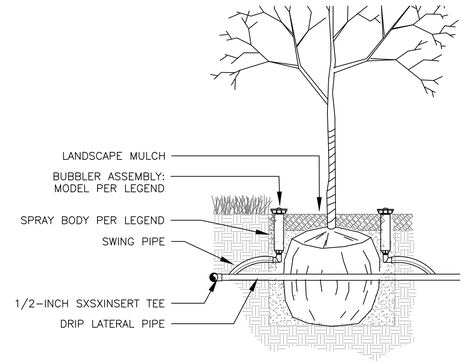
NOTES:
1. INSTALL SYSTEM PER MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS FOR EQUIPMENT APPLICATION AND INSTALLATION.
2. MAXIMUM FLOW FOR 1–INCH REMOTE CONTROL VALVE ASSEMBLY IS 10 GPM.
3. INSTALL AT A DEPTH OF 4"–6" IN UNIFORM SOIL.

10 SUBSURFACE DRIP ASSEMBLY IN SHRUB BEDS



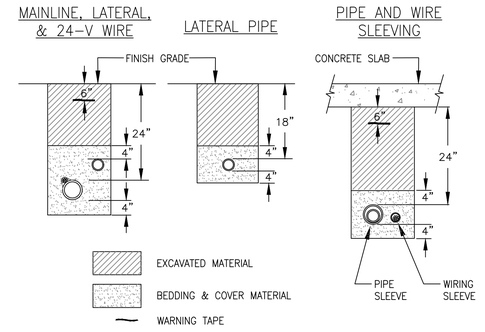
NOTES:
1. PLACE TIE–DOWN STAKES EVERY THREE FEED IN SAND, FOUR FEET IN LOAM, AND FIVE FEET IN CLAY.
2. AT FITTINGS WHERE THERE IS A CHANGE OF DIRECTION SUCH AS TEES OR ELBOWS, USE TIE–DOWN STAKES ON EACH LEG OF THE CHANGE OF DIRECTION.
3. INSERTION PLOW AND TRENCHED INSTALLATIONS DO NOT REQUIRE TIE–DOWN STAKES.

11 QF DRIPLINE HEADER ASSEMBLY



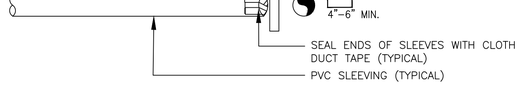
NOTES:
1. REFER TO LANDSCAPE PLANS FOR TREE GRATE INSTALLATION AND DETAILS.

12 BUBBLER ASSEMBLY FOR TREES



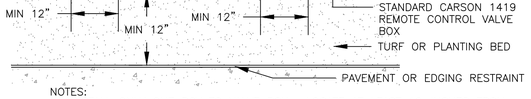
NOTES:
1. SLEEVE ALL PIPE AND WIRE SEPARATELY.
2. ALL PIPE TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS."SNAKE" UNSLEEVED PLASTIC PIPE IN TRENCH. PROVIDE A MINIMUM OF 2" CLEARANCE TO SIDE OF TRENCH AND BETWEEN PIPES.
3. ALL 120–V WIRING SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL CODE REQUIREMENTS. TAPE AND BUNDLE 24–V WIRE EVERY 10' AND PROVIDE LOOSE 20" LOOP AT ALL CHANGES OF DIRECTION OVER 30 DEGREES.

13 TYPICAL TRENCHING DETAIL



NOTE:
1) ALL SLEEVING TO BE CLASS 200 BE PVC, SIZED AS NOTED.
2) INSTALL SLEEVES IN SIDE–BY–SIDE CONFIGURATION WHERE MULTIPLE SLEEVES ARE TO BE INSTALLED. SPACE SLEEVES 4" TO 6" APART. DO NOT STACK SLEEVES VERTICALLY.

14 TYPICAL SLEEVING DETAIL



NOTES:
1. INSTALL ONLY ONE RCV TO VALVE BOX. LOCATE AT LEAST 12–INCHES FROM AND ALIGN WITH NEARBY WALLS OR EDGES OF PAVED AREAS. GROUP RCV ASSEMBLIES TOGETHER WHERE PRACTICAL.
4. GROUP RCV ASSEMBLIES TOGETHER WHERE PRACTICAL, BUT AVOID GROUPING MORE THAN THREE (3) STANDARD VALVE BOXES TOGETHER IN A SERIES.
5. ARRANGE GROUPED VALVE BOXES IN RECTANGULAR PATTERNS.

15 TYPICAL VALVE BOX INSTALLATION

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PROJECT No.:	PIERCE, FL
DRAWN BY:	SH
CHECKED BY:	MT
DATE:	02/10/2025
CAD I.D.:	IR-CHASE FT

PROJECT:

PROP. SITE PLAN DOCUMENTS

FOR

CHASE

PROPOSED DEVELOPMENT

2007 SOUTH US HWY 1
FT PIERCE, FL 34950
S 15 - T 35 S - R 40 E

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SHEET TITLE:

IRRIGATION DETAILS

SHEET NUMBER:

IR-103

ORG. DATE - 02/10/2025