

- 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.
- 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.
- 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.
- 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.
- PIPING SHALL BE SIZED TO MINIMIZE FRICTION LOSS AND MAINTAIN FLOW VELOCITY BELOW 5 FPS.
- 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.
- ALL HEADS ON RISERS SHALL BE SET AT THE HEIGHT OF ADJACENT PLANT MATERIAL.
- 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.
- 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.
- 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.
- 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.
- ALL GLUE JOINTS SHALL BE CLEANED, SANDED, AND TREATED WITH A COLORED HIGH ETCH PRIMER AND JOINED USING A SOLVENT CONFORMING WITH ASTM D2564.
- 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.
- AS-BUILT DRAWINGS SHALL BE PREPARED BY THE CONTRACTOR AND GIVEN TO THE OWNER PRIOR TO FINAL ACCEPTANCE.
- 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.
- IRRIGATION SYSTEM TO PROVIDE 100% COVERAGE WITH 50% OVERLAP MIN.

IRRIGATION PIPE SIZES TO FOLLOW
FOLLOWING SCHEDULE:

| 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 |

IRRIGATION PIPE INSTALLATION to follow specifications
called for in Florida Plumbing Code Appendix F:

A. Vehicle Traffic Areas

| PIPE SIZE (inches) | DEPTH of COVER (inches) |
|--------------------|-------------------------|
| 1/2 - 2 1/2 | 18 - 24 |
| 3 - 5 | 24 - 36 |
| 6 and larger | 30 - 36 |

B. Non-Traffic and Non- Cultivated Areas

| PIPE SIZE (inches) | DEPTH of COVER (inches) |
|--------------------|-------------------------|
| 1/2 - 1 1/4 | 6 - 12 |
| 1 1/2 - 2 | 12 - 18 |
| 2 1/2 - 3 | 18 - 24 |
| 4 and larger | 24 - 36 |

Depths of cover to meet or exceed SCS Code 430-00

(*) ALL TESTING AND INSPECTIONS OF INSTALLED IRRIGATION SYSTEM
SHALL BE AS PER FBC APPENDIX "I", PART VI

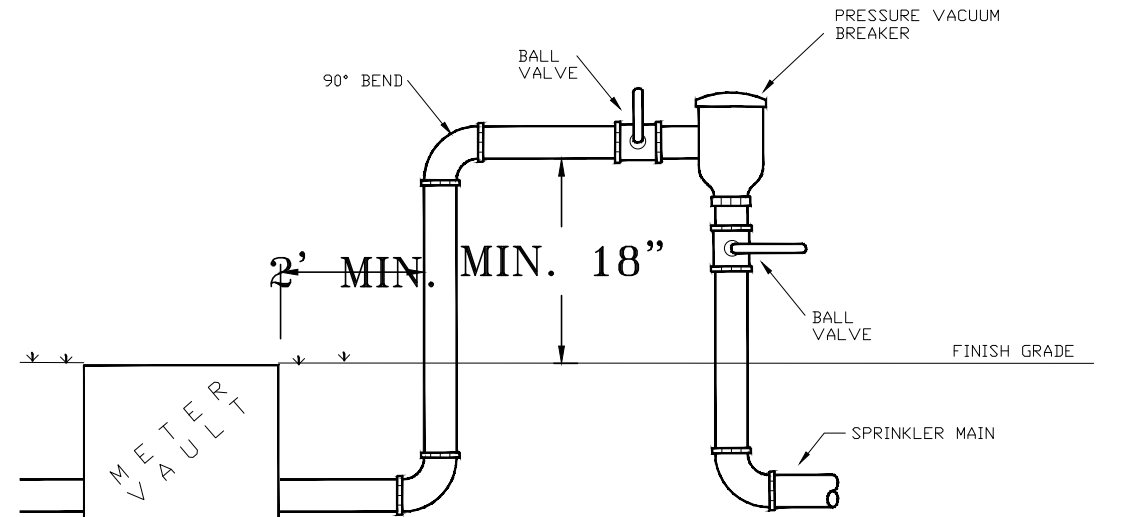
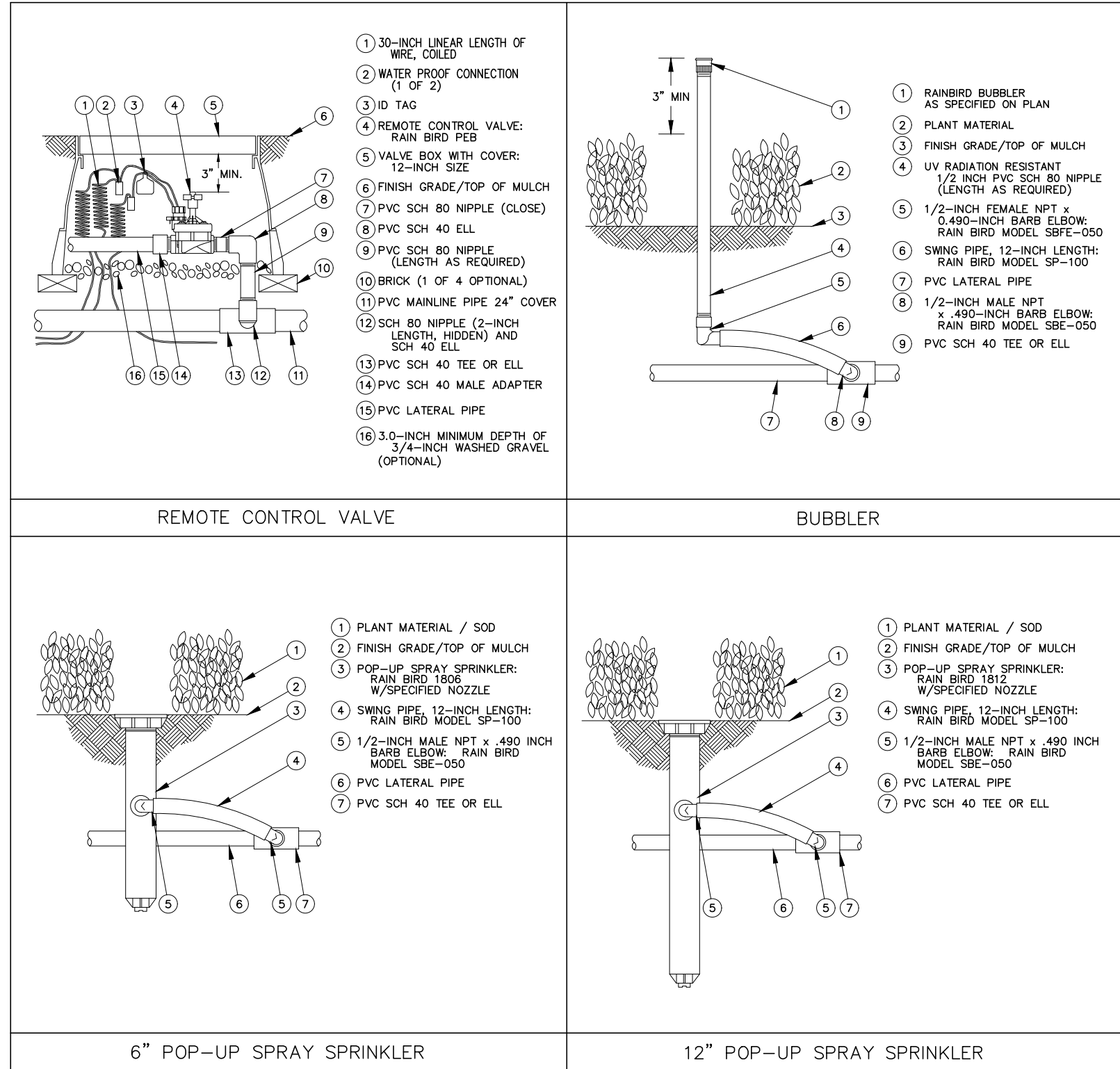
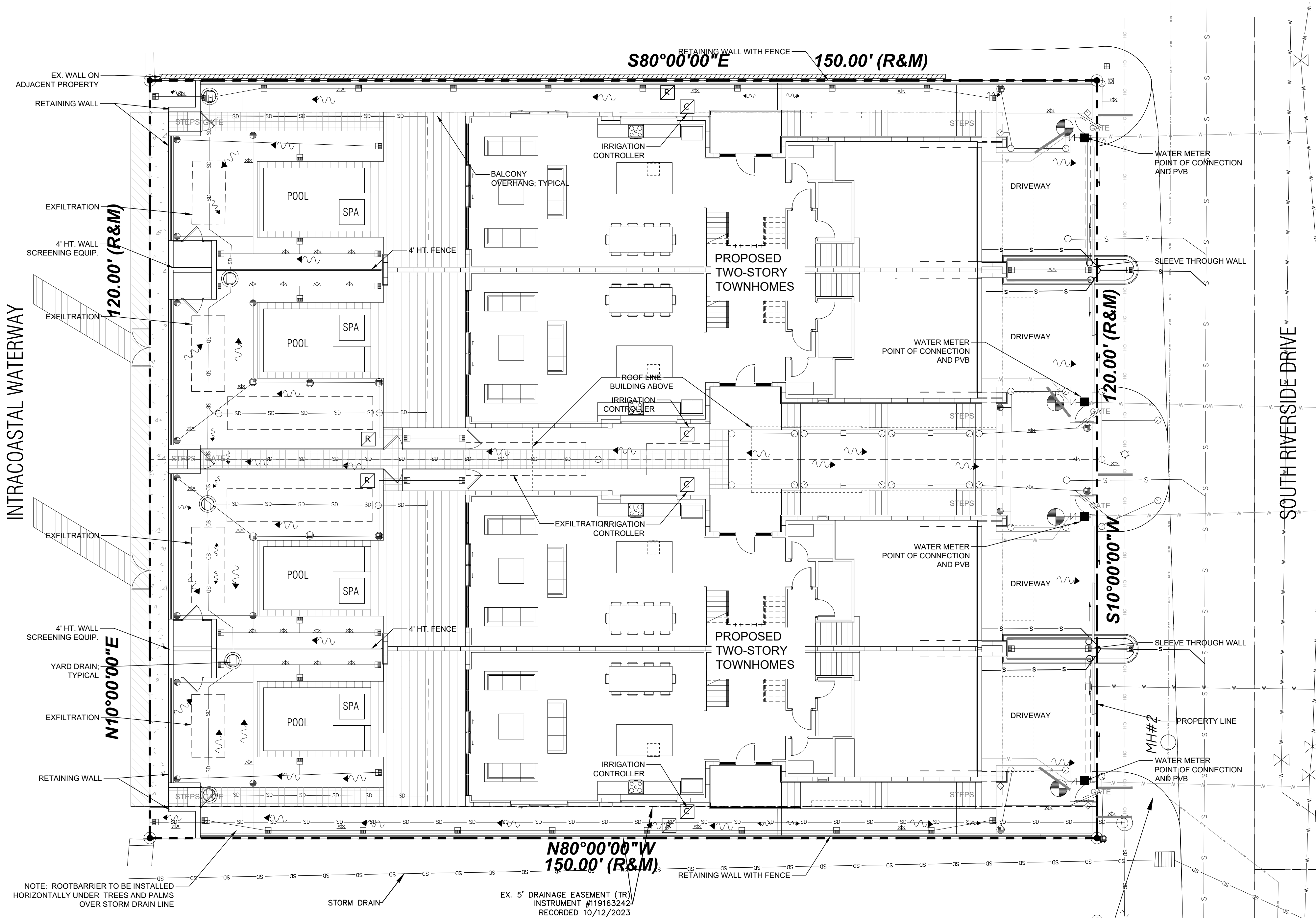
Irrigation installation shall observe all other standards established by FPC.

City required backflow valve provided.
(pressure vacuum breaker)

Irrigation heads shall 50 % overlap.
have 100 % coverage / 100

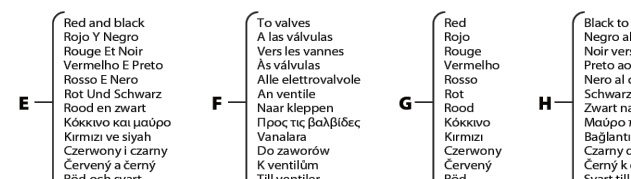
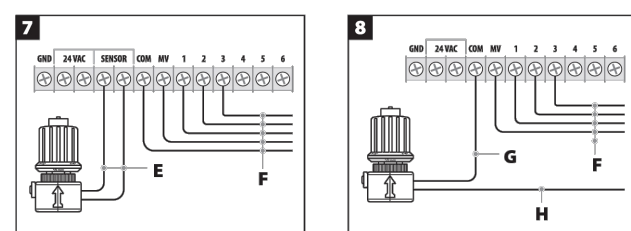
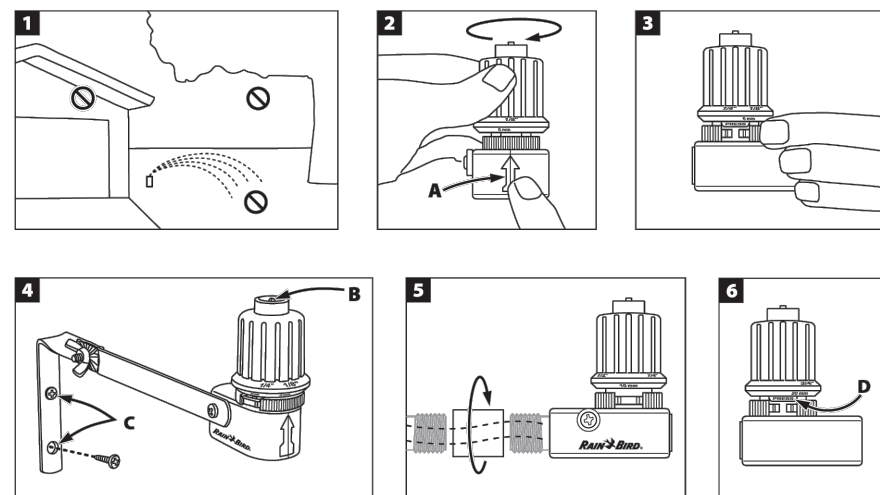
Irr. system to have rain sensor.

INTRACOASTAL WATERWAY



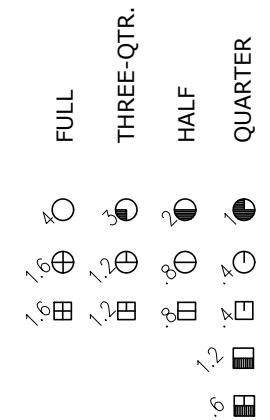
SUPPLY - PRESSURE VACUUM BREAKER

CODE SHALL TAKE PRECEDENCE OVER
ANY DETAIL SHOWN. IT SHALL BE THE
CONTRACTOR'S RESPONSIBILITY TO COMPLY.



RAIN SENSOR

IRRIGATION LEGEND



MIST HEADS

RAINBIRD 1806 6" POP-UP MIST HEAD OR EQUAL WITH THE FOLLOWING NOZZLES:
(USE 12" POP-UP MIST HEAD FOR TALLER PLANT MATERIAL)
15' SERIES NOZZLE.

10' SERIES NOZZLE.

8' SERIES NOZZLE.

15SST

15EST

BUBBLER NOZZLES

RAINBIRD BUBBLER NOZZLE ON FIXED RISER 3" ABOVE FINISH GRADE
AS FOLLOWS:

1502-SBH 1 GPM

VALVES

RAINBIRD PEB SERIES ELECTRIC GLOBE VALVE, SIZE AS NOTED
ON PLAN, IN AMETEK OR CARSON 12"x18" VALVE BOX OR EQUAL

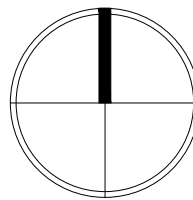
CONTRACTOR TO SUPPLY:
RAINBIRD RSD SERIES RAIN SENSOR OR EQUAL

FIELD CONTROLLERS LOCATION
RAINBIRD ESP SERIES OR EQUAL

SCH 40 PVC sleeves under pavement
SLEEVES: SCH 40 PVC OR RATED EQUAL CLASS. SLEEVES
TO BE MIN. 24" MAX. 36" DEEP - See FPC Chart

* NUMBER DENOTES GALLONS PER MINUTE LOST PER SPRAY HEAD

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



SCALE: 1"=10'-0"



PROJECT

RIVERSIDE TOWNHOMES
117 S RIVERSIDE DRIVE
POMPAÑO BEACH, FL

TITLE

IRRIGATION PLAN
HEAD LAYOUT

PROJ. NO.

FILE NAME

DRAWN

03-20-25 DATE

07-28-25 REV.

09-08-25

SHEET

IR-1
OF

1