

M.E. RINKER, Sr. HALL
SCHOOL OF BUILDING CONSTRUCTION

UNIVERSITY OF FLORIDA-GAINESVILLE
PROJECT NO. BR-191

IRRIGATION NOTES AND SPECIFICATIONS:

- ALL SECONDARY (CIRCUIT) IRRIGATION LINES 1 INCH DIAMETER TO 3 INCH DIAMETER SHALL BE SCHEDULE 40 PVC. CIRCUIT WATER LINES 1/2 INCH TO 3/4 INCH DIAMETER SHALL BE SCHEDULE 40 SECONDARY IRRIGATION LINES SHALL BE INSTALLED WITHIN THE LANDSCAPED AREA AT A MINIMUM DEPTH OF 12 INCHES. POP-UP SPRINKLER HEADS MUST BE UTILIZED WITHIN ANY TRAVELABLE AREA. HOWEVER, IN NO CASE MAY SPRINKLER HEADS NOR SECONDARY LINES BE INSTALLED WITHIN 1 FOOT OF THE BACK OF ROADWAY CURB OR ON THE FRONT SLOPE AND DITCH BOTTOM OF SWALE SECTIONS.
- THE IRRIGATION CONTRACTOR SHALL REVIEW THE PLANTING PLANS TO DETERMINE THE PROPOSED PLANT MATERIALS FOR EACH HEAD LOCATION PRIOR TO BIDDING. THE IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR MODIFYING HEAD INSTALLATION TYPES, DEPENDING ON THE FINAL LOCATIONS OF ALL PLANT MATERIAL.
- ALL SPRINKLER HEADS ARE TO BE INSTALLED WITH A 18 INCH MINIMUM LENGTH OF FLEXIBLE PVC PIPE, USING STANDARD PVC FITTINGS.
- ALL HEADS SHALL BE ADJUSTED TO REDUCE WATER WASTE ON HARD SURFACES AND WALLS.
- THE IRRIGATION CONTRACTOR IS RESPONSIBLE FOR FURNISHING AND INSTALLATION OF SLEEVES UNDER PAVEMENT AND ALL ROADWAYS AS SHOWN ON THE PLANS. THE IRRIGATION CONTRACTOR SHALL COORDINATE SLEEVE LOCATIONS WITH PROJECT SUPERINTENDENT PRIOR TO INSTALLATION.
- THE IRRIGATION CONTRACTOR SHALL EXERCISE CARE SO AS NOT TO DAMAGE EXISTING UTILITIES. THE IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE LOCATION OF ALL UNDERGROUND UTILITIES. THE IRRIGATION CONTRACTOR SHALL REPAIR OR REPLACE ALL ITEMS DAMAGED AS A RESULT OF HIS OR HER WORK.
- ALL LOW VOLTAGE DIRECT BURIED WIRING SHALL BE UL APPROVED, TYPE UF AND A MINIMUM SIZE OF #14 AWG. THE COMMON WIRE SHALL BE WHITE AND ALL WIRING SHALL BE THE SAME COLOR FROM CONTROLLER VALVE. ONE SPARE WIRE SHALL BE RUN ALONG ENTIRE LENGTH OF THE MAINLINE THEN TERMINATE AT THE CONTROLLER. ALL SPLICES SHALL BE IN A VALVE OR SPLICE BOX. PROVIDE 48 INCH EXPANSION COILS AT ALL VALVES. ALL SPLICES SHALL BE MADE WITH 3M-DB4.
- ALL IRRIGATION LINES CROSSING BENEATH ROADWAYS SHALL BE ENCASED IN SCHEDULE 40 PVC, AS SHOWN ON THE PLANS. SLEEVES SHALL BE A MINIMUM OF 34 INCHES BELOW EDGE OF PAVEMENT SURFACE, 36 INCHES DEPTH WITHIN THE RIGHT-OF-WAY, AND INSTALLED 90 DEGREES TO ROADWAY CENTERLINE. SUBSEQUENT INSTALLATIONS SHALL BE JACK AND BORE. CONTRACTOR SHALL AT ALL TIMES BLOCK ENDS OF SLEEVES TO PREVENT BUILDUP OF SEDIMENT WITHIN SLEEVES.
- ALL PRIMARY (MAIN) IRRIGATION LINES SHALL BE CLASS 200 PURPLE PVC, INSTALLED IN SLEEVES 24 INCHES BELOW PAVEMENT AND 18 INCHES BELOW GROUND SURFACE OUTSIDE OF ROADWAY CROSSINGS.
- ALL PIPING UNDER CONSTANT PRESSURE SHALL BE TESTED UNDER HYDROSTATIC PRESSURE OF NOT LESS THAN 100 P.S.I. FOR ONE HOUR WITH NO MORE THAN 5 P.S.I. LOSS.
- IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE INSTALLATION AND ELECTRICAL CONNECTION TO THE IRRIGATION CONTROLLERS.
- THE RAIN SENSOR SHALL BE LOCATED IN AN AREA WHERE NO OVERHEAD OBSTRUCTIONS THAT WILL ALTER RAIN FALL OR PRODUCE DEBRIS THAT MAY INVALIDATE RAINFALL READINGS.
- THIS PLAN IS DIAGRAMMATIC. ALL PIPING OR VALVES SHOWN OUTSIDE LANDSCAPE AREAS ARE SHOWN THERE FOR CLARITY. ALL LINES AND VALVES SHALL BE INSTALLED ON THE PROPERTY AND INSIDE THE LANDSCAPE AREAS.
- REFER TO LANDSCAPE DRAWINGS WHEN TRENCHING TO AVOID EXISTING AND PROPOSED TREES AND SHRUBS. HAND DIGGING SHALL BE USED BENEATH CANOPIES OF TREES TO AVOID DAMAGING ROOTS. THE IRRIGATION CONTRACTOR SHALL VERIFY THAT THE QUANTITIES INDICATED WILL PROVIDE THE COVERAGE AS SPECIFIED AND REPORT ANY DISCREPANCIES AT TIME OF BIDDING TO THE LANDSCAPE ARCHITECT.
- IRRIGATION SYSTEM, IF ANY SHALL BE CHECKED PRIOR TO CONSTRUCTION BEGINNING AND ANY DAMAGE TO THE SYSTEM SHALL BE REPAIRED TO ITS ORIGINAL CONDITION.

LEGEND

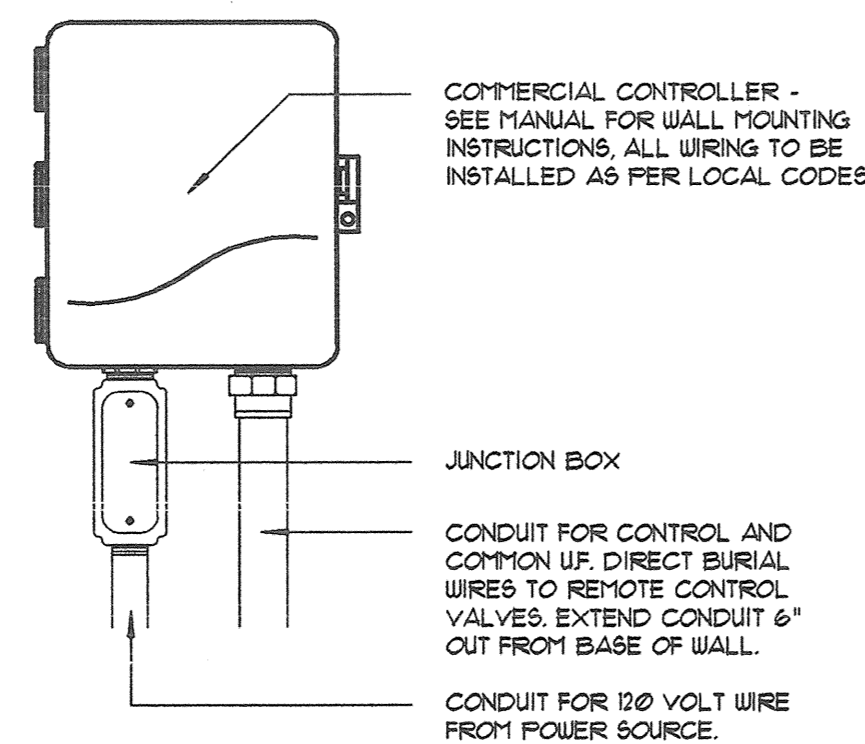
ID	DESCRIPTION	SPECIFICATION
1	POINT OF CONNECTION	1/2" Brass W/Valve Box
2	MAINLINE	1/2" Class 200 Purple
3	SLEEVING	Schedule 40 PVC (sized as shown)
4	LATERAL	Schedule 40 PVC (sized as shown)
5	CONTROLLER	Rainbird ESP20A12P
6	SOLENOID VALVE	Rainbird 50PEP

SPRINKLER LIST

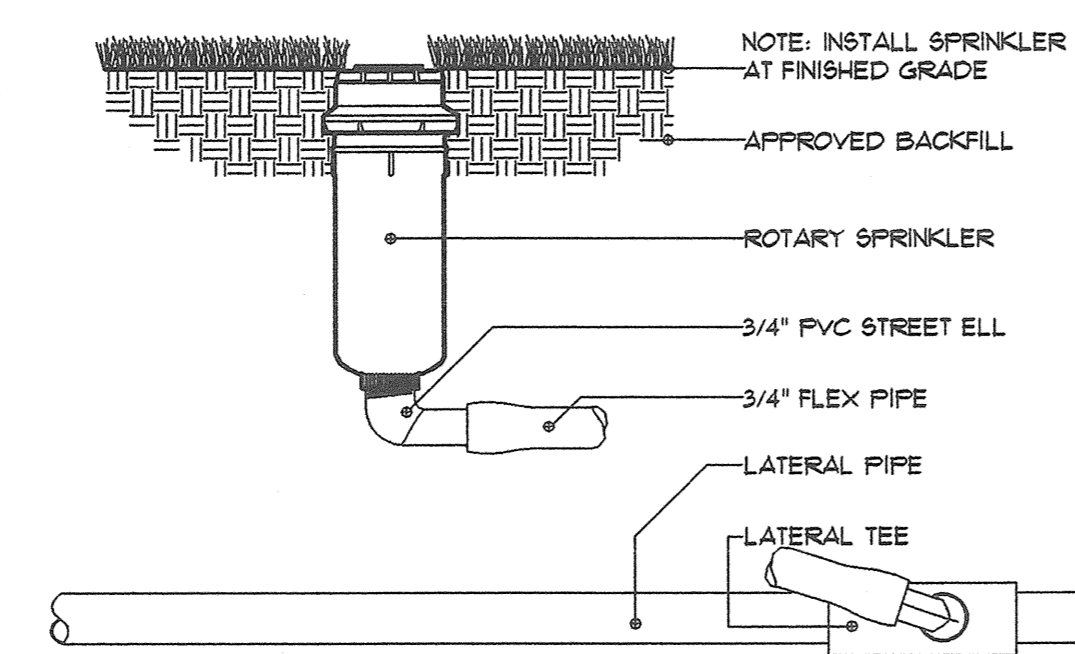
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2	TORO	5102-PRK-6P-61-E	450T	30 9
3	TORO	5102-PRK-6P-61-E	450T	30 45
4	TORO	5102-PRK-6P-61-E	450T	30 9
5	TORO	5102-PRK-6P-61-E	450T	30 24
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WATERING SCHEDULE

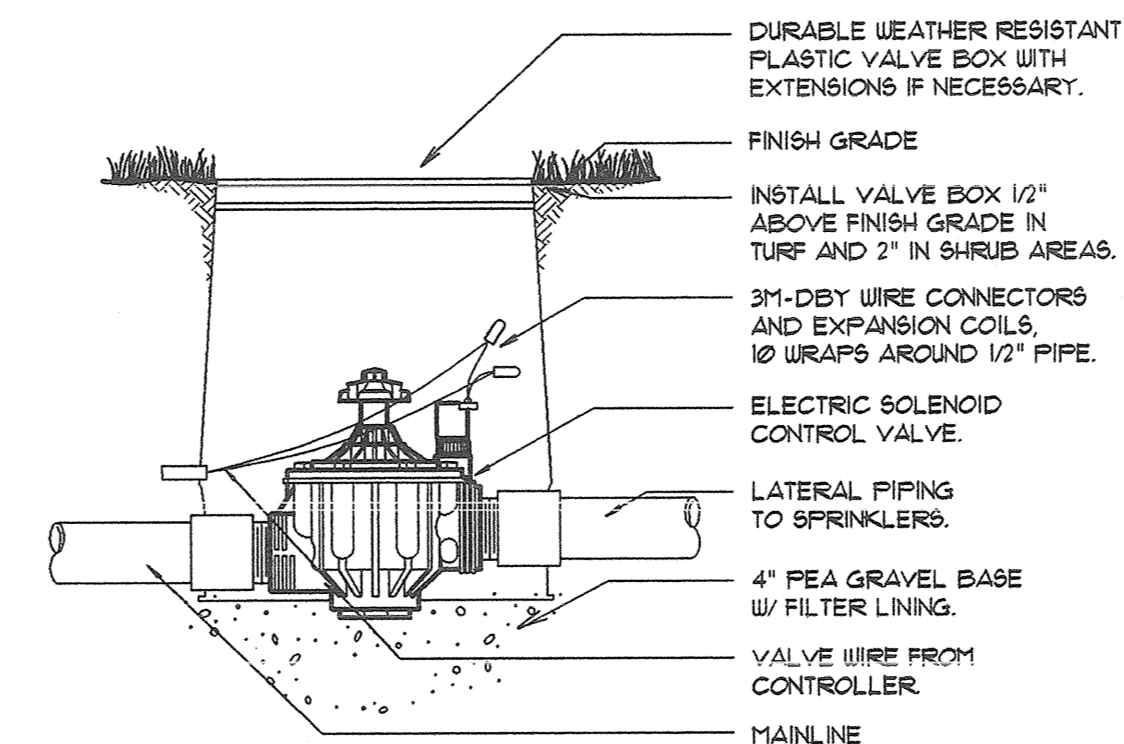
PROGRAM	ZONE	GPM	MINUTES	DAYS/WEEK
A	1	34.72	20	3
A	2	32.02	20	3
A	3	34.84	20	3
A	4	32.63	20	3
A	5	32.34	20	3
A	6	36.19	20	3
A	7	32.99	20	3
A	8	33.50	20	3
A	9	34.3	20	3
A	10	34.3	20	3



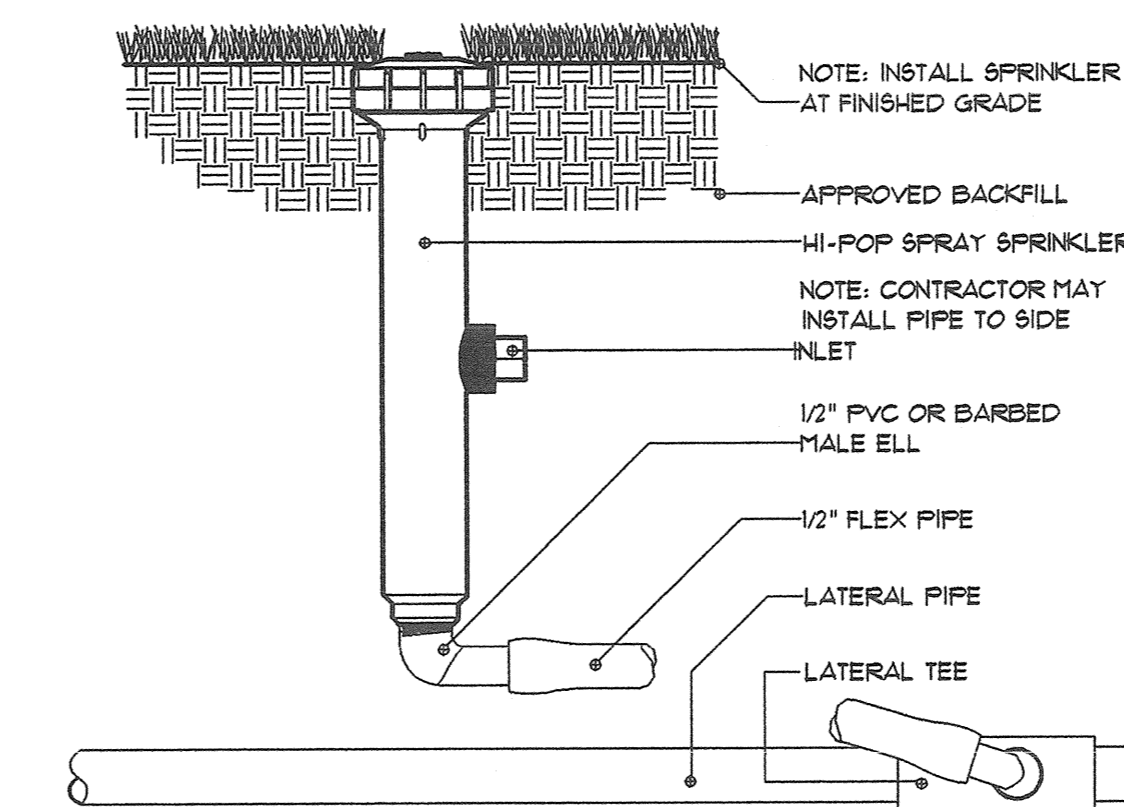
TYPICAL WALL MOUNT CONTROLLER
NOT TO SCALE



TYPICAL POP UP ROTARY SPRINKLER
NOT TO SCALE

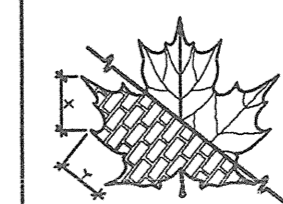


TYPICAL SOLENOID VALVE
NOT TO SCALE



TYPICAL HI-POP SPRAY SPRINKLER
NOT TO SCALE

Dr. Mcclain
11/19/01



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