



IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL
	Rain Bird 1804 15 Strip Series
	Rain Bird 1804 8 Series MPR
	Rain Bird 1804 10 Series MPR
	Rain Bird 1804 12 Series MPR
	Rain Bird 1804 15 Series MPR
	Rain Bird 1812 15 Strip Series
	Rain Bird 1812 8 Series MPR
	Rain Bird 1812 10 Series MPR
	Rain Bird 1812 12 Series MPR
	Rain Bird 1812 15 Series MPR

SYMBOL	MANUFACTURER/MODEL
	Rain Bird 5004-PC, FC
	Rain Bird 5004-PC, FC

SYMBOL	MANUFACTURER/MODEL
	Rain Bird PGA Globe 1"
	Rain Bird PGA Globe 1-1/2"
	Febco 765 1-1/2"
	Hunter PHC-2400
	Hunter RAIN-CLIK
	Point of Connection 1-1/2"

	Irrigation Lateral Line: Polyethylene Pipe SDR-7 1"
	Irrigation Lateral Line: Polyethylene Pipe SDR-7 1 1/2"
	Irrigation Mainline: PVC Class 200 SDR 21 1 1/2"
	Pipe Sleeve: PVC Schedule 40 2"
	Pipe Sleeve: PVC Schedule 40 4"

	Valve Callout
	Valve Number
	Valve Flow
	Valve Size

LATERAL PIPE SIZE CHART FOR POLY LATERAL

1"	1 - 12 GPM
1.5"	23- 39 GPM
2"	40 - 55GPM

IRRIGATION SPECIFICATIONS

- IRRIGATION POINT OF CONNECTION SHALL BE CAPABLE OF DELIVERING A VARIABLE FLOW RATE OF 30 GPM AT A CONSTANT PRESSURE OF 70 PSI DOWNSTREAM OF BACKFLOW PREVENTION DEVICE. POINT OF CONNECTION SHALL BE ABLE TO MAINTAIN THE MAXIMUM FLOW RATE AND PRESSURE FOR THE DURATION OF AN IRRIGATION CYCLE. CONTRACTOR SHALL VERIFY THESE PARAMETERS PRIOR TO CONSTRUCTION, AND NOTIFY OWNER'S REPRESENTATIVE AND IRRIGATION CONSULTANT IF THEY CANNOT BE MET.
- IF THE POINT OF CONNECTION EXCEEDS THE ABOVE PRESSURE REQUIREMENTS, A PRESSURE REGULATOR SHALL BE INSTALLED AT THE OWNER'S EXPENSE. PRESSURE REGULATOR SHALL BE SET AT THE PRESSURE RECOMMENDED ABOVE.
- AN PVB TYPE BACKFLOW PREVENTION DEVICE SHALL BE INSTALLED IN A MANNER SATISFYING LOCAL CODES AND MANUFACTURER'S RECOMMENDATIONS.
- POWER FOR THE IRRIGATION CONTROLLER, PUMP AND OTHER ELECTRICAL COMPONENTS SHALL BE PROVIDED BY OTHER. CONTRACTOR SHALL VERIFY POWER AVAILABLE MEETS THIS REQUIREMENTS OF THE COMPONENT'S MANUFACTURER. IF POWER AVAILABLE IS INADQUATE, CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION.
- IRRIGATION SYSTEM IS DISPLAYED SCHEMATIC IN NATURE. MINOR FIELD ADJUSTMENTS MAY BE NECESSARY TO ACCOMMODATE FOR LANDSCAPING CHANGES, PLANTING BEDS OR OTHER OBSTRUCTIONS. THESE ADJUSTMENTS MAY BE MADE ONLY AFTER NOTIFYING THE OWNER'S REPRESENTATIVE.
- SOME IRRIGATION COMPONENTS AND PIPING ARE SHOWN IN HARDSCAPE AREAS AND OUTSIDE OF PROPERTY LINES TO IMPROVE ON THE READABILITY OF THE IRRIGATION PLAN. ALL COMPONENTS AND PIPING SHALL BE INSTALLED INSIDE OF THE PROPERTY LINES AND OUTSIDE OF HARDSCAPE AREAS.
- MAINLINE, LATERALS AND CONTROL WIRES SHALL BE INSTALLED INSIDE THE SAME TRENCH WHENEVER POSSIBLE.
- SYSTEM TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
- CONTROLLER SHALL BE GROUNDED PER MANUFACTURER'S SPECIFICATIONS.
- CONTROL WIRES SHALL BE NO. 14 AWG SINGLE STRAND WIRE UL-APPROVED FOR DIRECT BURIAL IN GROUND. COMMON WIRE SHALL BE NO. 14 AWG SINGLE STRAND WIRE UL-APPROVED FOR DIRECT BURIAL AND WHITE IN COLOR. TWO SPARE WIRES SHALL BE RUN TO THE END OF EACH MAINLINE SPUR. ALL OTHER CONTROL WIRE SHALL HAVE A COLOR OTHER THAN WHITE, YELLOW, OR BLUE.
- ALL FIELD WIRE ABOVE GRADE OR WITHIN STRUCTURE TO BE INSTALLED IN CONDUIT PER LOCAL CODE.
- ALL UNDERGROUND SPLICES TO UTILIZE 3M DBY, OR KING WATER PROOF SPLICE KITS, DEPENDING ON NUMBER AND SIZE OF WIRES. ALL SPLICES SHALL BE MADE INSIDE A VALVE BOX.
- DEPTH OF IRRIGATION PIPING; 18" ON MAINLINE; 12" ON LATERALS.
- SLEEVING UNDER PAVED AREAS SHALL BE INSTALLED AT A DEPTH OF 24".
- DUE TO TIME CONSTRAINTS, A ONE CALL WAS NOT PERFORMED DURING THE PREPARATION OF THESE PLANS. CONTRACTOR SHALL VERIFY UNDERGROUND UTILITIES PRIOR TO ANY EXCAVATION. ONE CALL SYSTEM DIAL 8-1-1.
- SPRINKLERS INSTALLED IN TURF SHALL HAVE A POP-UP STROKE OF 4 INCHES. SPRINKLERS INSTALLED IN PLANT OR MULCH BEDS SHALL HAVE A POP-UP STROKE OF 12 INCHES.
- SPRINKLERS SHALL BE INSTALLED FLUSH AND PLUMB WITH FINISHED GRADE UTILIZING FUNNY PIPE. FUNNY PIPE SHALL NOT BE LONGER THEN 4' UNDER ANY HEAD WITH ONLY ONE HEAD PER FUNNY PIPE RUN. CONNECTION MAY ONLY BE MADE TO THE BOTTOM INLET OF SPRINKLER.
- THIS DESIGN IS BASED ON THE SITE INFORMATION AND/OR DRAWINGS SUPPLIED BY THE CLIENT OF RECORD WITH DESIGN CRITERIA BEING SET BY THE CLIENT AND/OR PROJECT OWNER. AQUARIUS SUPPLY OR ITS CONTRACTED PREPARER BEARS NO RESPONSIBILITY OR LIABILITY FOR ANY ERRORS IN DESIGN OR APPLICATION WHICH MIGHT ARISE DUE TO THIS SPECIFIC PROJECT UNLESS OTHERWISE NOTED.
- ANY QUESTIONS OR CONCERNS ASSOCIATED WITH THIS IRRIGATION PLAN SHALL BE DIRECTED TO AQUARIUS SUPPLY. 973-423-0222

DRAWN FOR:

LANDSCAPE SPRINKLER SYSTEM DESIGN:

DUNNING HOTEL MIDDLETOWN

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NO UTILITIES WERE PROVIDED FOR IN THESE DRAWINGS. UTILITIES THAT ARE NOT SHOWN MAY EXIST. VERIFY LOCATIONS OF ALL EXISTING UTILITIES AND MAKE ADJUSTMENTS TO THIS DRAWING IF CONFLICTS ARISE.
THIS DESIGN IS A SCHEMATIC PLAN REPRESENTING DESIGNED COVERAGE AND LAYOUT BASED ON PROVIDED SITE CONDITIONS AND ACCURACY OF COLLECTED DATA. ADJUSTMENTS MAY BE NECESSARY TO AVOID UNDESIRABLE OBSTRUCTIONS AND IMPROVE INSTALLATION PROCESS.

IT IS STRONGLY RECOMMENDED THAT THE INSTALLER INVESTIGATE AND UTILIZE LOCAL CODE REQUIREMENTS AND LAW WHICH MAY DIRECTLY PERTAIN AND AFFECT THE INSTALLATION OF THE COMPONENTS LISTED ON THIS DRAWING.

ALWAYS THINK SAFETY!

DATE: 02/07/2019

JOB: 0010893

DRAWN BY: JH
John Heubner, 571-437-4814

SCALE: 1"=20'

SHEET: 1 OF 1