

Scale: 1:250

GENERAL IRRIGATION NOTES

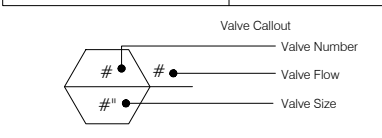
- EQUIPMENT LOCATIONS ARE DIAGRAMMATIC AND ARE SHOWN ON PLAN FOR GRAPHIC CLARITY.
- ALL IRRIGATION EQUIPMENT SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS.
- ALL SPRINKLER HEADS SHALL BE SET PERPENDICULAR TO FINISH GRADE UNLESS OTHERWISE SPECIFIED. INSTALL ALL HEADS WITH DOUBLE SWING JOINTS
- IRRIGATION EQUIPMENT AND INSTALLATION METHODS SHALL ADHERE TO LOCAL, STATE, AND FEDERAL CODES
- ALL REMOTE CONTROL VALVES, BALL VALVES, QUICK COUPLERS, ETC. SHALL BE INSTALLED IN SUBGRADE VALVE BOXES. VALVE BOXES SHALL BE LOCATED OUT OF PLAY AND HIGH TRAFFIC AREAS. VALVE BOXES SHALL BE HEAT BRANDED IN 2" LETTERING IDENTIFYING THE IRRIGATION COMPONENT FOUND INSIDE THE BOX AND CONTROLLER AND STATION NUMBER WHEN APPLICABLE.
- ALL VALVES ARE TO BE FASTENED WITH VALVE IDENTIFICATION TAGS IDENTIFYING STATION # AND APPROPRIATE CONTROLLER IDENTIFICATION INFORMATION.
- SLEEVES SHALL BE PLACED UNDER ALL DRIVEWAYS AND WALKS WHERE IRRIGATION LATERAL, MAINLINE, AND WIRE WILL CROSS. SLEEVES SHALL BE MINIMUM BURY 24" DEEP. MINIMUM DISTANCE PAST EDGE OF DRIVEWAY OR CONCRETE WALK SHALL BE 24". WATER AND WIRE SHALL NOT BE PLACED IN THE SAME SLEEVE. SLEEVES TO BE TWICE THE DIAMETER OF THE PIPE BEING SLEEVED. WIRE SLEEVES TO BE 2" DIAMETER MINIMUM.
- UNDERGROUND MARKING TAPE SHALL BE RUN WITH ALL MAINLINES AND MUST BE INSTALLED AT LEAST 6" ABOVE TOP OF PIPE.
- INSTALLER SHALL USE WATERPROOF CONNECTORS FOR ALL WIRE SPLICE CONNECTIONS.
- THE INSTALLER SHALL FLUSH AND ADJUST ALL SPRINKLER HEADS AND VALVES (BOTH EXISTING AND NEW) FOR OPTIMUM COVERAGE WITH MINIMAL MISTING AND/OR OVER SPRAY ONTO WALKS, STREETS, WALLS, ETC.

SYSTEM PERFORMANCE DATA

ZONE	SIZE	FLOW	PRECIPITATION RATE mm/hr	DISTRIBUTION UNIFORMITY L ₀	SCHEDULING COEFFICIENT
A1	50mm	209.71 LPM	39.30	0.87	1.2
A2	50mm	209.71 LPM	38.70	0.89	1.1
A3	50mm	209.71 LPM	142.30	0.89	1.1
A4	50mm	209.71 LPM	39.20	0.83	1.3
A5	50mm	350.91 LPM	19.70	0.88	1.2
A6	50mm	314.57 LPM	41.70	0.89	1.2
A7	25mm	30.28 LPM	10.40	0.87	1.2
A8	25mm	30.28 LPM	16.70	0.83	1.3
A9	25mm	30.28 LPM	12.70	0.87	1.2
A10	50mm	209.71 LPM	156.80	0.89	1.1
A11	50mm	350.91 LPM	19.00	0.89	1.1
A12	50mm	350.91 LPM	23.20	0.85	1.2
A13	50mm	209.71 LPM	37.70	0.85	1.2
A14	50mm	314.57 LPM	39.90	0.81	1.3

IRRIGATION LEGEND

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	Hunter ICV-G 25mm 25 mm, 40 mm, 50 mm, and 80 mm Plastic Electric Remote Control Valves, Globe Configuration, with NPT Threaded Inlet/Outlet, for Commercial/Municipal Use.	3
	Hunter ICV-G 50mm 25 mm, 40 mm, 50 mm, and 80 mm Plastic Electric Remote Control Valves, Globe Configuration, with NPT Threaded Inlet/Outlet, for Commercial/Municipal Use.	11
	Hunter HG-SLRC 25mm Quick coupler with yellow locking rubber cover, red brass and stainless steel, with 25 mm NPT inlet, 1-piece body.	1
	Watts 91KQT 50mm Backflow reduced pressure zone	1
	Hunter A2C-75D-SS 75-Station Decoder controller in a stainless steel wall mount enclosure.	1
	Water Meter 50mm	1
	Irrigation Lateral Line: PVC Class 200 SDR 21 25	120.9 m
	Irrigation Lateral Line: PVC Class 200 SDR 21 40	351.1 m
	Irrigation Lateral Line: PVC Class 200 SDR 21 50	63.9 m
	Irrigation Lateral Line: PVC Class 200 SDR 21 65	27.4 m
	Irrigation Lateral Line: PVC Class 200 SDR 21 80	114.8 m
	Irrigation Mainline: PVC Class 315 SDR 13.5 65	108.4 m
	Irrigation Mainline: PVC Class 315 SDR 13.5 90	140.8 m
	Irrigation Mainline: PVC Class 315 SDR 13.5 100	171.1 m



VALVE IDENTIFICATION GUIDE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	kPa	l/min
	Hunter I-20-06-SS-PRB Turf Rotor, 15 cm Pop-Up, Adjustable and Full Circle, Stainless Steel Riser, Drain Check Valve, Standard Nozzle, Pressure Regulating Body.	12	310.3	7.6
	Hunter I-50-06-SS Turf Rotor, 15 cm Pop-Up, Adjustable to Full Circle, Drain Check Valve, Stainless Steel Riser, 25 mm Female NPT Inlet Threads, Standard Nozzle.	18	551.6	104.9
	Hunter I-50-06-SS-ON Turf Rotor, 15 cm Pop-Up, Adjustable to Full Circle, Drain Check Valve, Stainless Steel Riser, 25 mm Female NPT Inlet Threads, Dual Opposing Nozzle.	9	551.6	117.0

WATER REQUIREMENT

REQUIRED FLOW: 351 LPM
REQUIRED PRESSURE: 745 kPa