



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 I _d	SCHEDULING COEFFICIENT
A1	50mm	277.09 LPM	36.1	0.92	1.1
A2	50mm	138.55 LPM	93.9	0.93	1.1
A3	50mm	269.52 LPM	17.9	0.90	1.1
A4	50mm	207.82 PLM	41.0	0.93	1.1
A5	50mm	207.82 PLM	40.8	0.93	1.1
A6	50mm	269.52 LPM	19.0	0.83	1.3
A7	50mm	269.52 LPM	16.6	0.90	1.1
A8	50mm	269.52 LPM	16.5	0.90	1.1
A9	50mm	207.82 PLM	40.7	0.93	1.1
A10	50mm	269.52 LPM	18.8	0.90	1.1
A11	50mm	207.82 PLM	41.2	0.93	1.1
A12	50mm	269.52 LPM	18.2	0.90	1.1
A13	50mm	138.55 LPM	95.5	0.92	1.1
A14	50mm	277.09 LPM	36.2	0.92	1.1

WATER REQUIREMENT

REQUIRED FLOW: 277.09 LPM
REQUIRED PRESSURE: 772.21 kPa

IRRIGATION LEGEND

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	kPa	l/min
15	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.	24	551.6	69.3
18	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.	24	551.6	67.4

VALVE IDENTIFICATION GUIDE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	Hunter ICV-G 40mm 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.	2
	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.	12
	Watts 9190T 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 32	492.7 m
---	Irrigation Lateral Line: PVC Class 200 SDR 21 40	98.9 m
---	Irrigation Lateral Line: PVC Class 200 SDR 21 50	268.6 m
---	Irrigation Lateral Line: PVC Class 200 SDR 21 65	364.3 m
---	Irrigation Mainline: PVC Schedule 40 100	131.3 m

