

### GENERAL IRRIGATION NOTES

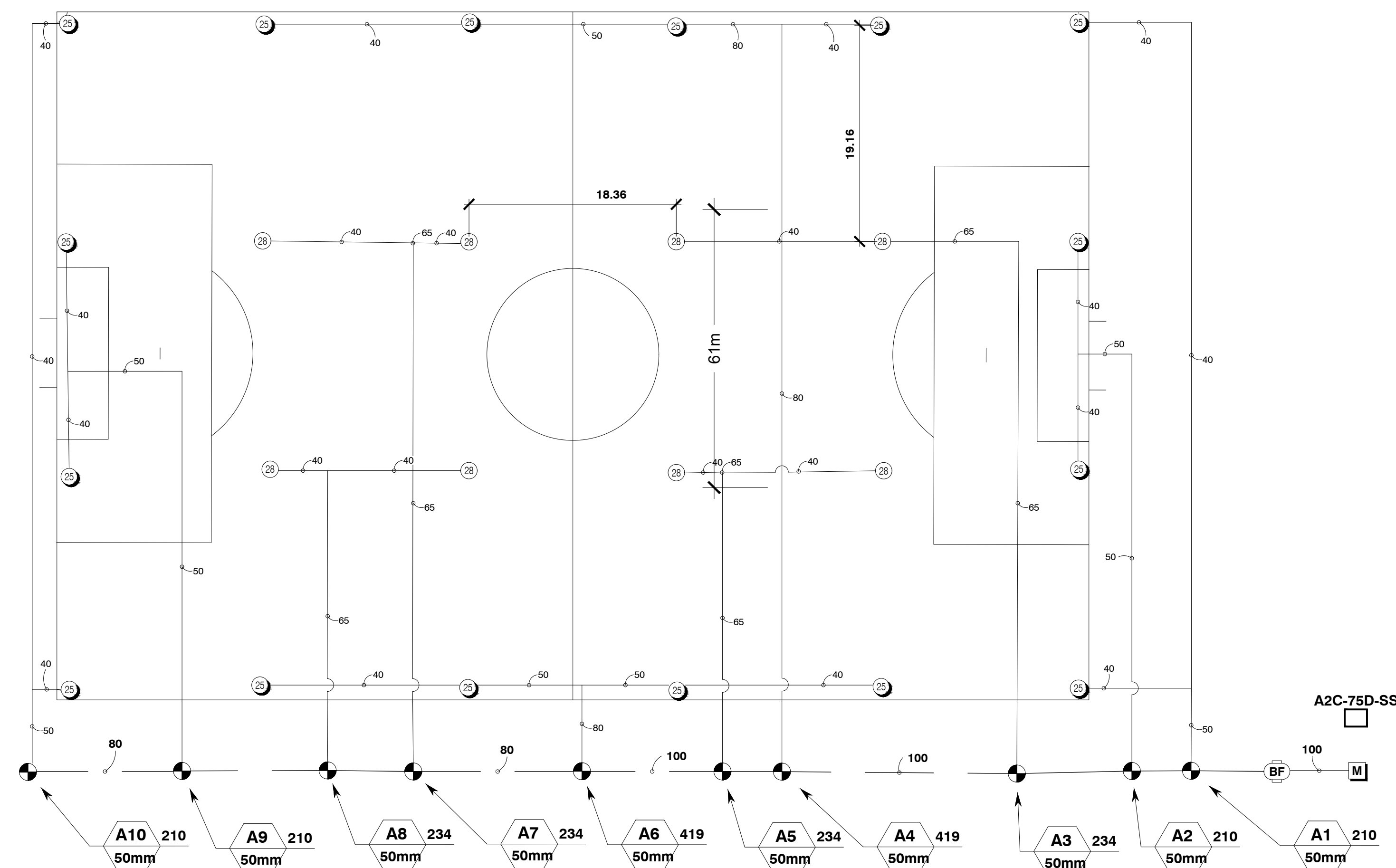
- EQUIPMENT LOCATIONS ARE DIAGRAMMATIC AND ARE SHOWN ON PLAN FOR GRAPHIC CLARITY.
- ALL IRRIGATION EQUIPMENT SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS.
- ALL SPRINKLER HEADS SHALL BE SET PERPENDICULAR TO FINISH GRADE UNLESS OTHERWISE SPECIFIED. INSTALL ALL HEADS WITH 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 <sub>0</sub>	SCHEDULING COEFFICIENT
A1	50mm	209.71 LPM	69.6	0.82	1.4
A2	50mm	209.71 LPM	33.5	0.89	1.1
A3	50mm	233.94 LPM	19.2	0.91	1.1
A4	50mm	419.42 PLM	35.8	0.83	1.3
A5	50mm	233.94 LPM	18.9	0.91	1.1
A6	50mm	419.42 PLM	35.8	0.83	1.3
A7	50mm	233.94 LPM	18.9	0.91	1.1
A8	50mm	233.94 LPM	19.2	0.91	1.1
A9	50mm	209.71 LPM	33.2	0.89	1.1
A10	50mm	209.71 LPM	72.4	0.89	1.1

### WATER REQUIREMENT

REQUIRED FLOW: 419.42 LPM  
REQUIRED PRESSURE: 786 kPa



Scale: 1:250

### IRRIGATION LEGEND

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	kPa	l/min
25	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.	16	551.6	104.9
26	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.	8	551.6	117.0

### VALVE IDENTIFICATION GUIDE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
ICV-G	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.	10
BF	Watts 919QT 50mm Backflow reduced pressure zone	1
M	Water Meter 50mm	1
---	Irrigation Lateral Line: PVC Class 200 SDR 21	233.3 m
---	Irrigation Lateral Line: PVC Class 200 SDR 21 40	247.0 m
---	Irrigation Lateral Line: PVC Class 200 SDR 21 50	138.8 m
---	Irrigation Lateral Line: PVC Class 200 SDR 21 80	83.3 m
---	Irrigation Mainline: PVC Schedule 40 80	49.1 m
---	Irrigation Mainline: PVC Schedule 40 100	68.7 m

