



**IRRIGATION NOTES**

- IRRIGATION PLAN IS SCHEMATIC ONLY. THE CONTRACTOR IS TO UTILIZE THIS SCHEMATIC PLAN AS THE BASIS OF HIS DESIGN. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIRED COMPONENTS.
- BOUNDARIES AND AREAS DEFINED IN THIS PLAN ARE SCHEMATIC ONLY. CONTRACTOR IS TO VERIFY IN THE FIELD ACTUAL LOCATIONS OF THE AREAS TO BE IRRIGATED FOR SHAPE, SIZE, AND IRRIGATION METHOD.
- THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN AND INSTALLATION FOR THE IRRIGATION SYSTEM. AT A MINIMUM, THE SYSTEM SHALL INCLUDE: A MAIN LINE AND LATERAL LINE PIPING, RAIN SENSOR, FLOW SENSOR, QUICK COUPLER VALVES, MASTER VALVE AND ISOLATION VALVES.
- CONTRACTOR SHALL INSTALL SYSTEM PER LOCAL CODES AND MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
- CONTRACTOR SHALL PROVIDE PRESSURE LOSS CALCULATIONS FOR THE LARGEST AND MOST REMOTE ZONE.
- ALL MAINLINE AND LATERAL LINE PIPING AND CONTROL WIRES UNDER PAVING SHALL BE INSTALLED IN SLEEVES. MAIN AND LATERAL LINE SLEEVES SHALL BE A MINIMUM OF TWICE THE DIAMETER OF THE PIPE WITHIN. CONTROL WIRE MAY BE INSTALLED IN THE SAME SLEEVES AS MAINLINE.
- ALL DAMAGED AND REJECTED PIPE WILL BE REMOVED FROM THE SITE AT THE TIME OF REJECTION.
- ALL SPRINKLER HEADS SHALL BE SET PERPENDICULAR TO FINISH GRADE UNLESS OTHERWISE SPECIFIED.
- THE CONTRACTOR WILL FLUSH AND ADJUST ALL SPRINKLER HEADS AND VALVES FOR OPTIMUM OPERATION WITH MINIMAL OVERSPRAY ONTO WALKS, STREETS, WALLS, ETC.
- ALL PIPING, VALVES, ETC., WILL BE INSTALLED IN PLANTING AREAS / SHRUB BEDS WHEREVER POSSIBLE.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BECOME FAMILIAR WITH ALL GRADE DIFFERENCES, LOCATION OF WALLS, RETAINING WALLS, STRUCTURES AND UTILITIES. THE CONTRACTOR SHALL REPAIR OR REPLACE ALL ITEMS DAMAGED BY INSTALLATION OPERATIONS.
- THE CONTRACTOR SHALL COORDINATE THE IRRIGATION WORK WITH OTHER CONTRACTORS FOR THE LOCATION AND INSTALLATION OF PIPE SLEEVES THROUGH WALLS, UNDER ROADWAYS AND PAVING, ETC.
- THE IRRIGATION SYSTEM DESIGN SHALL BE BASED ON AN OPERATING PRESSURE OF 50-55 PSI FOR GEAR DRIVEN ROTORS, AND 30 PSI FOR ALL SPRAY HEADS. THE CONTRACTOR SHALL VERIFY WATER PRESSURE AT THE POINT OF CONNECTION AND CAPACITY PRIOR TO DESIGN AND CONSTRUCTION.
- ALL IRRIGATION EQUIPMENT NOT OTHERWISE DETAILED OR SPECIFIED WILL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS.
- THE CONTRACTOR SHALL PROVIDE PRESSURE COMPENSATING DEVICES (ON SPRAY HEAD) AS NECESSARY TO REDUCE OR ELIMINATE OVERSPRAY ONTO STREETS, WALKS, OR OTHER AREAS AS DIRECTED BY THE ENGINEER.
- ALL REMOTE CONTROL VALVES, GATE VALVES, QUICK COUPLERS AND CONTROL WIRE PULL POINTS SHALL BE INSTALLED IN APPROVED VALVE BOXES.
- QUICK COUPLER VALVES SHALL BE LOCATED AND INSTALLED AS INDICATED ON THE DRAWINGS.
- ALL CONTROL VALVES, EXCEPT MASTER VALVE, WILL BE INSTALLED WITH A PRESSURE REGULATING MODULE, (0-100 PSI RANGE)
- PROPOSED SLEEVE SHALL BE BORED UNDER EXISTING SIDEWALK. NO SIDEWALK REMOVAL ALLOWED.

REVISIONS

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VILLAGE OF HARTFORD, ILLINOIS  
 LEWIS AND CLARK MEMORIAL TOWER  
 TOWER LANDSCAPING  
 SECTION 10-00026-02-LS  
 IRRIGATION PLAN

DWG. NO.	PLHARTFORD 448079 CONSEQUENCE TOWER
REF. BK.	PG. XXX.DWG
JOB NO.	448079.0
DSN. BY:	RW
DWN. BY:	RW
CHK. BY:	NTF
DATE:	SEPTEMBER, 2011