

# GENERAL IRRIGATION NOTES

1. EQUIPMENT LOCATIONS ARE DIAGRAMMATIC AND ARE SHOWN ON PLAN FOR GRAPHIC CLARITY.
2. ALL IRRIGATION EQUIPMENT SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS.
3. ALL SPRINKLER HEADS SHALL BE SET PERPENDICULAR TO FINISH GRADE UNLESS OTHERWISE SPECIFIED. INSTALL ALL HEADS WITH DOUBLE SWING JOINTS
4. IRRIGATION EQUIPMENT AND INSTALLATION METHODS SHALL ADHERE TO LOCAL, STATE, AND FEDERAL CODES
5. 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.
6. ALL VALVES ARE TO BE FASTENED WITH VALVE IDENTIFICATION TAGS IDENTIFYING STATION # AND APPROPRIATE CONTROLLER IDENTIFICATION INFORMATION.
7. 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.
8. UNDERGROUND MARKING TAPE SHALL BE RUN WITH ALL MAINLINES AND MUST BE INSTALLED AT LEAST 6" ABOVE TOP OF PIPE.
9. INSTALLER SHALL USE WATERPROOF CONNECTORS FOR ALL WIRE SPLICE CONNECTIONS.
10. 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 LQ | 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



SOCCER FIELD - 110 x 73.2

XX  
XX MAIN LINE LAYOUT

TECHNICAL ASSISTANCE  
1-800-319-4796  
WWW.HUNTERINDUSTRIES.COM

HUNTER INDUSTRIES  
1940 DIAMOND STREET  
SAN MARCOS, CALIFORNIA 92078

SHEET  
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