## 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 "/hr | DISTRIBUTION UNIFORMITY LQ | SCHEDULING COEFFICIENT |
|------|------|------|-------------|-------------|-------------|
| A1 | 2.0" | 73.20 GPM | 1.41 | 0.93 | 1.1 |
| A2 | 1.5" | 36.60 GPM | 2.86 | 0.93 | 1.1 |
| A3 | 2.0" | 71.20 GPM | 0.68 | 0.91 | 1.1 |
| A4 | 2.0" | 54.90 GPM | 1.41 | 0.93 | 1.1 |
| A5 | 2.0" | 71.20 GPM | 0.69 | 0.91 | 1.1 |
| A6 | 2.0" | 54.90 GPM | 1.48 | 0.93 | 1.1 |
| A7 | 2.0" | 71.20 GPM | 0.68 | 0.91 | 1.1 |
| A8 | 2.0" | 71.20 GPM | 0.68 | 0.91 | 1.1 |
| A9 | 2.0" | 54.90 GPM | 1.41 | 0.93 | 1.1 |
| A10 | 2.0" | 54.90 GPM | 1.49 | 0.93 | 1.1 |
| A11 | 2.0" | 71.20 GPM | 0.68 | 0.91 | 1.1 |
| A12 | 2.0" | 71.20 GPM | 0.68 | 0.91 | 1.1 |
| A13 | 2.0" | 73.20 GPM | 1.46 | 0.93 | 1.1 |
| A14 | 1.5" | 36.60 GPM | 2.96 | 0.93 | 1.1 |

## WATER REQUIREMENT

REQUIRED FLOW: 73.20 GPM
REQUIRED PRESSURE:  107 PSI

A2C-75D-SS

51.00

51.00
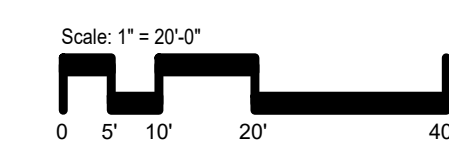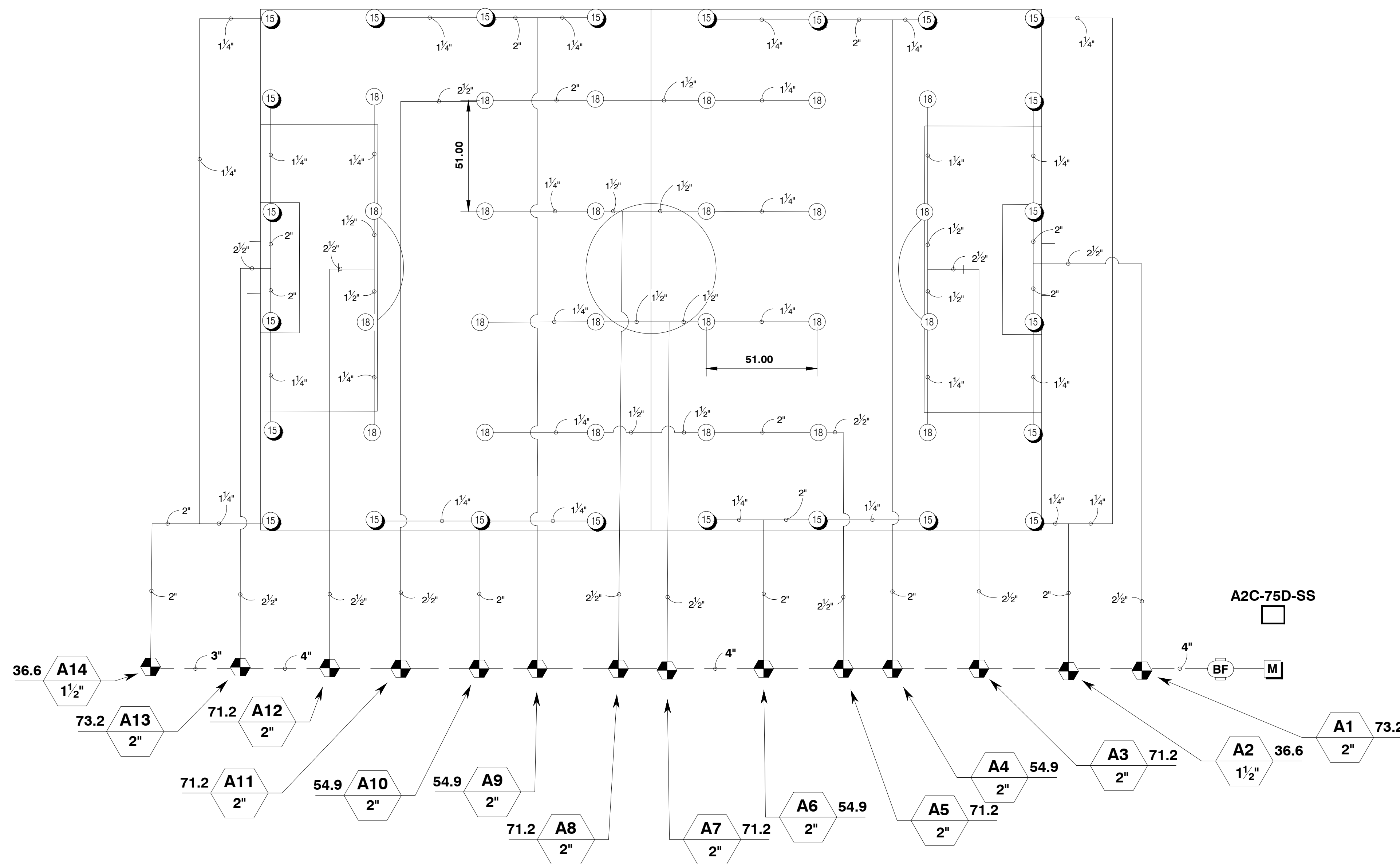
## IRRIGATION LEGEND

| SYMBOL | MANUFACTURER/MODEL/DESCRIPTION | QTY | PSI | GPM |
|--------|-------------------------------|-----|-----|-----|
| 15 | Hunter I-50-06-SS Turf Rotor, 6.0" Pop-Up. Adjustable to Full Circle. Drain Check Valve, Stainless Steel Riser, 1" Female NPT Inlet Threads, Standard Nozzle. | 24 | 80 | 18.3 |
| 18 | Hunter I-50-06-SS-ON Turf Rotor, 6.0" Pop-Up. Adjustable to Full Circle. Drain Check Valve, Stainless Steel Riser, 1" Female NPT Inlet Threads, Dual Opposing Nozzle. | 24 | 80 | 17.8 |

## VALVE IDENTIFICATION GUIDE

| SYMBOL | MANUFACTURER/MODEL/DESCRIPTION |
|--------|-------------------------------|
| | Hunter ICV-G 1", 1-1/2", 2", and 3" Plastic Electric Remote Control Valves, Globe Configuration, with NPT Threaded Inlet/Outlet, for Commercial/Municipal Use. |
| BF | Watts 919QT 2" Backflow reduced pressure zone |
| A2C-75D-SS | Hunter A2C-75D-SS 75-Station Decoder controller in a stainless steel wall mount enclosure. |
| M | Water Meter 2" |
| ———— | Irrigation Lateral Line: PVC Class 200 SDR 21 |
| — — — | Irrigation Mainline: PVC Class 315 SDR 13.5 |

Valve Callout
Valve Number
Valve Flow
Valve Size

Scale: 1" = 20'-0"
0  5'  10'   20'        40'

SOCCER FIELD 360 x 240
I-50 ROTOR
NON-LOOPED MAIN LINE LAYOUT

## SHEET
1 of 1