

GENERAL NEW IRRIGATION SYSTEM NOTES

1. THE IRRIGATION SYSTEM PLAN IS DIAGRAMMATIC. PIPE AND EQUIPMENT IS SHOWN UNDER HARD SURFACES FOR PLAN CLARITY ONLY. INSTALL ALL SYSTEM COMPONENTS IN GREEN SPACE AREAS WHENEVER POSSIBLE.
2. 52.5GPM @ 79.34PSI MINIMUM REQUIRED AT THE IRRIGATION WATER METER POC. THE IRRIGATION CONTRACTOR SHALL FIELD PHYSICALLY TEST THE AVAILABLE FLOW AND PRESSURE AND, IF FOUND TO BE LESS THAN THE REQUIRED MINIMUMS ABOVE, SUBMIT A WRITTEN REPORT OF THE FINDINGS PRIOR TO STARTING THE MAIN LINE INSTALLATION FOR A RE-DESIGNED SOLUTION.
3. DO NOT INSTALL AUTOMATIC DRAIN VALVES - THE IRRIGATION SYSTEM REQUIRES WINTERIZATION BY COMPRESSED AIR BLOWOUT THROUGH THE QUICK COUPLER VALVE ONLY.
4. QUANTITIES ARE GIVEN FOR CONTRACTOR CONVENIENCE ONLY. THE IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ALL REQUIRED LABOR AND MATERIALS TO CONSTRUCT A FULLY FUNCTIONAL IRRIGATION SYSTEM AS PER THE INTENT OF THE DESIGN.
5. ALL 14G LOW VOLTAGE CONTROL WIRE SHALL RUN IN THE SAME TRENCH/ SLEEVE ALONGSIDE THE MAIN LINE.
8. INSTALL TRACING WIRE WARNING TAPE ABOVE ALL MAIN LINE.
9. SEE THE INSTALLATION DETAILS ON SHEET IR-104 AND THE CITY OF WICHITA, PARK DEPARTMENT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND INFORMATION.



SHEET IR-101

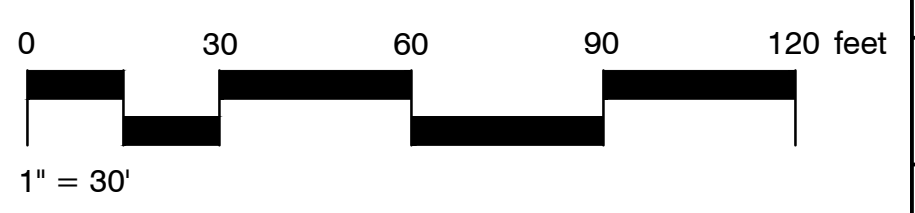
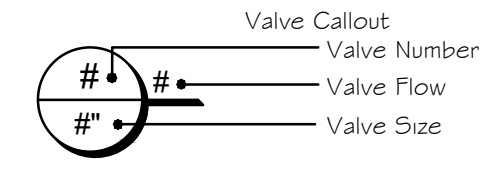
SHEET IR-102

IRRIGATION SCHEDULE - NEW SYSTEM

SYMBOL	MANUFACTURER/MODEL	QTY	ARC	PSI
RB	RAIN BIRD 1804 - EXISTING 10F	1	360	30
RB	RAIN BIRD 1804 - EXISTING 10H	1	180	30
RB	RAIN BIRD 1804 - EXISTING 12F	2	360	30
RB	RAIN BIRD 1804 - EXISTING 12H	6	180	30
RB	RAIN BIRD 1804 - EXISTING 12Q	9	90	30
RB	RAIN BIRD 1804 - EXISTING 12T	7	120	30
RB	RAIN BIRD 1804 - EXISTING 15F	1	360	30
RB	RAIN BIRD 1804 - EXISTING 15H	2	180	30

SYMBOL	MANUFACTURER/MODEL	QTY	PSI
HV	HUNTER 1-20-04 - EXISTING 3.0	26	45
HV	HUNTER 1-20-04 - NEW 1.5	18	45
HV	HUNTER 1-20-04 - NEW 2.0	6	45
HV	HUNTER 1-20-04 - NEW 2.5	11	45
HV	HUNTER 1-20-04 - NEW 3.0	58	45
HV	HUNTER 1-20-04 - NEW 4.0	1	45
HV	HUNTER 1-20-04 - NEW 6.0	58	45

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
+	RAIN BIRD PGA GLOBE - EXISTING 2" ELECTRIC SOLENOID REMOTE CONTROL VALVE, GLOBE. - TO BE RE-USED.	3
+	RAIN BIRD PGA GLOBE - NEW 1" ELECTRIC SOLENOID REMOTE CONTROL VALVE, GLOBE.	1
+	RAIN BIRD PGA GLOBE - NEW 1-1/2" ELECTRIC SOLENOID REMOTE CONTROL VALVE, GLOBE.	3
+	RAIN BIRD PGA GLOBE - NEW 2" ELECTRIC SOLENOID REMOTE CONTROL VALVE, GLOBE.	9
+	RAIN BIRD 44-NP 1" 1 IN. BRASS QUICK-COUPLING VALVE, WITH CORROSION-RESISTANT STAINLESS STEEL SPRING, LOCKING NON-POTABLE PURPLE RUBBER COVER, AND 2-PIECE BODY.	1
MV	RAIN BIRD PEB 2" PLASTIC INDUSTRIAL MASTER VALVE. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION.	1
BF	ZURN WILKINS 975XL - EXISTING 2" EXISTING REDUCED PRESSURE BACKFLOW DEVICE WITH PROTECTIVE ENCLOSURE TO REMAIN.	1
C	CALSENSE CS3-1-G-3 CALSENSE CS30000 16-STATION CONTROLLER WITH A STAINLESS STEEL PEDESTAL ENCLOSURE. INCLUDE THE MODEL CS3-FL FLOWSENSE OPTION.	1
RY	CALSENSE CS3-LR-KIT COMMUNICATIONS KIT: SPREAD SPECTRUM RADIO WITH LR-YAGLX ANTENNA AND LMR CABLE. - THE IRRIGATION CONTRACTOR SHALL VERIFY COMPONENT COMPATABILITY WITH THE CITY'S EXISTING CALSENSE RADIO COMMUNICATION CENTRAL CONTROL PRIOR TO ORDERING THE EQUIPMENT.	1
WR	CALSENSE CS3-W-KIT CALSENSE WEATHER MODULE, REQUIRED FOR EACH CONTROLLER WITH A RAIN BUCKET, WIND GAGE, RAIN SWITCH, AND/OR FREEZE SWITCH.	1
RB	CALSENSE RB-1 CALSENSE TIPPING RAIN BUCKET WITH 25FT TWO WIRE CABLE, EXTENDABLE UP TO 1000FT WITH P7171 D CABLE (NOT INCLUDED).	1
FS	CALSENSE FM 2U CALSENSE ULTRASONIC FLOW SENSOR. 2IN. PVC SCH 80 TEE-MOUNTED. 0.92 GPH-138 GPM.	1
IM	WATER METER 2" EXISTING 2" IRRIGATION WATER METER TO REMAIN	1
---	IRRIGATION LATERAL LINE: PVC SCHEDULE 40 3/4" - NEW LATERAL PIPE	3,151 L.F.
---	IRRIGATION LATERAL LINE: PVC SCHEDULE 40 1" - NEW LATERAL PIPE	937.5 L.F.
---	IRRIGATION LATERAL LINE: PVC SCHEDULE 40 1 1/2" - NEW LATERAL PIPE	669.7 L.F.
---	IRRIGATION LATERAL LINE: PVC SCHEDULE 40 2" - NEW LATERAL PIPE	419.7 L.F.
---	IRRIGATION LATERAL LINE: PVC SCHEDULE 40 2 1/2" - NEW LATERAL PIPE	11.0 L.F.
---	IRRIGATION LATERAL LINE: PVC SCHEDULE 40 3/4" - EXISTING LATERAL PIPE. SIZES ARE ASSUMED.	769.5 L.F.
---	IRRIGATION LATERAL LINE: PVC SCHEDULE 40 1" - EXISTING LATERAL PIPE. SIZES ARE ASSUMED.	167.1 L.F.
---	IRRIGATION LATERAL LINE: PVC SCHEDULE 40 1 1/2" - EXISTING LATERAL PIPE. SIZES ARE ASSUMED.	178.1 L.F.
---	IRRIGATION LATERAL LINE: PVC SCHEDULE 40 2" - EXISTING LATERAL PIPE. SIZES ARE ASSUMED.	126.9 L.F.
---	IRRIGATION MAINLINE: PVC CLASS 200 SDR 21 2" - NEW MAIN LINE. GASKET TYPE PIPE.	48.6 L.F.
---	IRRIGATION MAINLINE: PVC CLASS 200 SDR 21 3" - NEW MAIN LINE. GASKET TYPE PIPE.	795.3 L.F.
---	IRRIGATION MAINLINE: PVC CLASS 200 SDR 21 2" - EXISTING SERVICE LINE BETWEEN THE WATER METER AND THE BACKFLOW PREVENTER (2" ASSUMED SIZE) - TO REMAIN	36.2 L.F.
---	PIPE SLEEVE: PVC SCHEDULE 40 TYPICAL EXISTING PIPE SLEEVE FOR IRRIGATION PIPE AND WIRE TO REMAIN.	65.5 L.F.

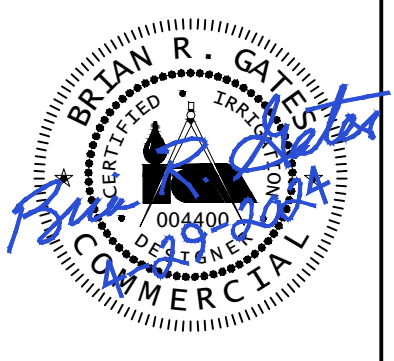


File: E:\ecosystems\dwgs\3-16-2020\Rooster Canine Dog Park\Rooster Canine Dog Park - Irrigation Plan - 4-29-2024.dwg Last Save: 4/29/2024 7:10 AM Last saved by: Brian Gates
Last plotted by: Brian Gates Plot Style: LFX.ctb Plot Date: 4/29/2024 7:11 AM Plotter used: AutoCAD PDF (Smallest File).pc3



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1995 Midfield Road
Wichita, KS 67209
(316) 264-8008



REV.	DATE	DESCRIPTION	BY

**CITY OF WICHITA
DEPT. OF PARK & RECREATION
WICHITA, KANSAS**

**2024 PARK FACILITY
ENHANCEMENTS -
K9 ROOSTER DOG PARK
ENHANCEMENTS**

**IRRIGATION PLAN
- NEW SYSTEM SITE
OVERALL**

JOB NO.: 2302060
DATE: MAY 2024
DESIGNED BY: BRG
DRAWN BY: BRG

BAR IS ONE INCH ON ORIGINAL DRAWING

IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

**DRAWING NUMBER
IR-101**

SHEET NUMBER