



WATER REQUIREMENT

AT FIELD ELEVATION
 WITHIN 100' OF FIELD
 -DOWNSTREAM OF
 BACKFLOW IS 96 GPM @ 90
 PSI

IRRIGATION LEGEND

- PRODUCT DESCRIPTION
- HUNTER I40-04-SS-ON-XX/I40-06-SS-ON-XX NOZZLE AS SHOWN
 - HUNTER I40-04-SS-XX/I40-06-SS-XX NOZZLE AS SHOWN
 - HUNTER I40-04-SS-HS-XX/I40-06-SS-HS-XX NOZZLE AS SHOWN
- NOZZLE PERFORMANCE:
- #41 @ 80 PSI - 13.0 GPM 5.7' RADIUS
 - #42 @ 80 PSI - 13.2 GPM 5.8' RADIUS
 - #43 @ 80 PSI - 17.3 GPM 6.1' RADIUS
 - #44 @ 80 PSI - 23.4 GPM 6.6' RADIUS
 - #23 @ 80 PSI - 24.0 GPM 6.7' RADIUS
- ⊗ HUNTER ICV/IBV ELECTRIC CONTROL VALVE SIZED AS SHOWN
 - ⊗ HUNTER HQ-44-XX-AW QUICK COUPLER VALVE (OPTIONAL)
 - ⊗ HUNTER ACC-1800 SOLID STATE METAL CABINET CONTROLLER
 - ⊗ HUNTER SOLAR/SONIC-SENDON SITE WEATHER SENSOR
 - ⊗ WATER METER MINIMUM SIZE @ 96 GPM IS 2.0"
 - ⊗ BACKFLOW PREVENTER SIZED TO SYSTEM GPM
- MAINLINE PIPE
 - LATERAL PIPE
 - SLEEVING
 - ⊗ ISOLATION VALVE LINE SIZED
 - ⊗ HUNTER FLOW SENSOR IN LINE SIZED FLOW CLK TEE "FCT"

IRRIGATION NOTES

1. SPRINKLER LOCATIONS ARE TO SCALE
2. PIPE LOCATIONS ARE DIAGRAMMATIC
3. ALL SPRINKLERS TO BE INSTALLED ON 1" SCH 80 SWING JOINTS
4. ALL COMPONENTS TO BE INSTALLED AS PER MANUFACTURERS RECOMMENDATIONS
5. MAINLINE DEPTH TO BE NO LESS THAN 18"
6. LATERAL DEPTH TO BE NO LESS THAN 16"
7. ELECTRIC CONTROL VALVES TO BE COVERED WITH 12" VALVE BOX
8. LOCATE VALVES/ICV'S OUT OF HIGH TRAFFIC AREAS
9. WIRE SPLICE CONNECTIONS TO BE WATERPROOF
10. QCV TO BE LOCATED IN 10" VALVE BOX
11. ALL SLEEVES TO BE 2X PIPE RUN THROUGH THEM
12. INSTALL ALL COMPONENTS AS PER LOCAL STATE, FEDERAL CODES
13. REFER TO HUNTER INSTALLATION DETAILS
14. REFER TO HUNTER CATALOG FOR PERFORMANCE SPECIFICATIONS
15. ADD HUNTER "FS" FOR DIRTY WATER VALVE
16. ADD HUNTER "AS" FOR PRESSURE REGULATED VALVE

VALVE ID GUIDE SYSTEM PERFORMANCE DATA

VALVE ID	STATION NUMBER	ZONE	SIZE	FLOW	PR	DU	SC
A1	52	A1	1.5"	52	62"	7.4	1.3
A2	55	A2	1.5"	65	91"	8.5	1.2
A3	52	A3	1.5"	52	91"	8.2	1.3
A4	65	A4	1.5"	65	91"	8.5	1.2
A5	2"	A5	2"	87	87"	8.4	1.2
A6	1.5"	A6	1.5"	56	97"	8.8	1.1
A7	56	A7	1.5"	56	97"	8.8	1.1
A8	28	A8	2.5"	28	134"	7.7	1.3
A9	70	A9	1.5"	70	129"	8.0	1.3
A10	1.5"	A10	1.5"	70	129"	8.0	1.3
A11	1.5"	A11	1.5"	72	129"	8.1	1.3
A12	2"	A12	2"	96	129"	8.1	1.3
A13	1.5"	A13	1.5"	72	129"	8.1	1.3
A14	1.5"	A14	1.5"	72	129"	8.1	1.3
A15	1.5"	A15	1.5"	72	129"	8.1	1.3
A16	1.5"	A16	1.5"	52	129"	8.1	1.3

Hunter Industries offers this plan as a general guide for estimating purposes and offers no indemnity, expressed or implied, for projects installed from this plan. Because of the many variables of every system and of every site we recommend that a qualified irrigation designer be consulted.



OFFICIAL BASEBALL FIELD
 I-40 FOUR ROW DESIGN
 LOOPED MAINLINE

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