



**WATER REQUIREMENT**

WATER REQUIREMENT AT  
 -FIELD ELEVATION  
 -WITHIN 30m OF FIELD  
 -DOWNSTREAM OF  
 BACKFLOW  
 IS 288 l/min @ 3.64 Bars

**IRRIGATION LEGEND**

- PRODUCT DESCRIPTION**
- HUNTER I-20-04-SS-XX/I-20-06-SS-XX NOZZLE AS SHOWN
- NOZZLE PERFORMANCE:**
- #3.5 @ 3.0 Bars - 12.0 l/min 11.3m RADIUS
  - #6.0 @ 3.0 Bars - 19.4 l/min 11.9m RADIUS
  - #8.0 @ 3.0 Bars - 24.0 l/min 13.1m RADIUS
  - #10.0 @ 3.0 Bars - 33.5 l/min 12.8m RADIUS
- HUNTER IQ/IVB ELECTRIC CONTROL VALVE SIZE AS SHOWN**
- HUNTER HQ44-XX-AW QUICK COUPLER VALVE (OPTIONAL)
  - HUNTER ACC-1200-M SOLID STATE METAL CABINET CONTROLLER
  - HUNTER SOLAR-SYNC-SEN ON SITE WEATHER SENSOR
- WATER METER MINIMUM SIZE @ 288 l/min IS 63mm**
- BACKFLOW PREVENTER SIZED TO SYSTEM l/min
  - MAINLINE PIPE
  - LATERAL PIPE
  - SLEEVING
  - ISOLATION VALVE LINE SIZED
- HUNTER FLOW SENSOR IN LINE SIZED FLOW CLIK TEE "FCT"**

**IRRIGATION NOTES**

- SPRINKLER LOCATIONS ARE TO SCALE
- PIPE LOCATIONS ARE DIAGRAMMATIC
- ALL SPRINKLERS TO BE INSTALLED ON 25mm SCH 80 SWING JOINTS
- ALL COMPONENTS TO BE INSTALLED AS PER MANUFACTURERS RECOMMENDATIONS
- MANLINE DEPTH TO BE NO LESS THAN 460mm
- LATERAL DEPTH TO BE NO LESS THAN 410mm
- ELECTRIC CONTROL VALVES TO BE COVERED WITH 12" VALVE BOX
- LOCATE VALVES/COVS OUT OF HIGH TRAFFIC AREAS
- WIRE SPLICE CONNECTIONS TO BE WATERPROOF
- OCV TO BE LOCATED IN 10" VALVE BOX
- ALL SLEEVES TO BE 2X PIPE RUN THROUGH THEM
- INSTALL ALL COMPONENTS AS PER LOCAL, STATE, FEDERAL CODES
- REFER TO HUNTER INSTALLATION DETAILS
- REFER TO HUNTER CATALOG FOR PERFORMANCE SPECIFICATIONS
- ADD HUNTER "FS" FOR DIRTY WATER VALVE
- ADD HUNTER "AS" FOR PRESSURE REGULATED VALVE

**VALVE ID GUIDE**

A1	STATION NUMBER
273	VALVE SIZE
1.5"	PRECIPITATION RATE mm/hr
19	

**SYSTEM PERFORMANCE DATA**

ZONE	SIZE	FLOW mm <sup>3</sup> /hr	PR mm/hr	DU	SC <sub>100</sub> (%/MIN)
A1	1"	5.7	96	.79	1.5
A2	1.5"	10.4	173	15.1	1.2
A3	1.5"	9.8	163	15.1	1.2
A4	1.5"	12.7	211	17.4	1.2
A5	1.5"	7.9	132	22.2	1.2
A6	1.5"	9.3	156	22.2	1.2
A7	1.5"	10.1	168	22.2	1.2
A8	1.5"	8.6	144	22.2	1.2
A9	1.5"	17.3	288	9.6	.78
A10	1.5"	14.4	240	9.6	.78
A11	1.5"	14.4	240	9.6	.78
A12	1.5"	17.3	288	9.6	.78

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.

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OFFICIAL BASEBALL FIELD

I-20 SIX ROW DESIGN  
 LOOPED MAINLINE

SHEET  
1 OF 1