

**IRRIGATION LEGEND**

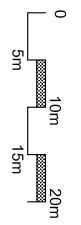
- PRODUCT DESCRIPTION**
- HUNTER I-20-36S-XX, I-20-6P-36S-XX FULL CIRCLE NOZZLE AS SHOWN
  - HUNTER I-20-ADS-XX, I-20-6P-ADS-XX PART CIRCLE NOZZLE AS SHOWN
  - NOZZLE PERFORMANCE:
    - #2 @ 3.0 Bars - 7.2 l/min 10.4m RADIUS
    - #4 @ 3.0 Bars - 15.0 l/min 12.2m RADIUS
  - ⊕ HUNTER ICV/IBV ELECTRIC CONTROL VALVE SIZE AS SHOWN
  - ⊕ HUNTER HQ-44-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 @ 165 l/min IS 50mm
  - ⊕ 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**

1. SPRINKLER LOCATIONS ARE TO SCALE
2. PIPE LOCATIONS ARE DIAGRAMMATIC
3. ALL SPRINKLERS TO BE INSTALLED ON 25mm SCH 80 SWING JOINTS
4. ALL COMPONENTS TO BE INSTALLED AS PER MANUFACTURERS RECOMMENDATIONS
5. MAINLINE DEPTH TO BE NO LESS THAN 460mm
6. LATERAL DEPTH TO BE NO LESS THAN 410mm
7. ELECTRIC CONTROL VALVES TO BE COVERED WITH 12" VALVE BOX
8. LOCATE VALVES/QCV'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

**SYSTEM PERFORMANCE DATA**

ZONE	SIZE	FLOW	PR	DU	SC	
		m <sup>3</sup> /hr	l/min	mm/hr	(% WIND)	
A1	1.5"	9.9	165	14	.79	1.3
A2	1.5"	5.4	90	14	.79	1.3
A3	1.5"	9.9	165	14	.79	1.3
A4	1.5"	5.4	90	14	.79	1.3
A5	1.5"	9.9	165	7	.79	1.3
A6	1.5"	9.9	165	7	.79	1.3
A7	1.5"	9.9	165	7	.79	1.3
A8	1.5"	9.9	165	7	.79	1.3
A9	1.5"	9.9	165	7	.79	1.3



Final plan shows this data as a general guide for estimating pressure and flow to identify components to check. For specific details from this plan, reference to the copy schedule of every site and component is a qualified engineer's design is required.

**WATER REQUIREMENT**

- WATER REQUIREMENT AT
- FIELD ELEVATION
- WITHIN 50% OF FIELD
- DOWNSTREAM OF BACKFLOW PREVENTER
- IS 165 l/min @ 3.79 Bars

**VALVE ID GUIDE**

A1	STATION NUMBER
273	l/min
1.5"	VALVE SIZE
14	PRECIPITATION RATE mm/hr

**RUGBY FIELD**  
I-20 SEVEN ROW DESIGN  
LOOPED MAINLINE



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**SHEET**  
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