

WATER REQUIREMENT
 WATER REQUIREMENT AT
 -FIELD ELEVATION
 -WITHIN 30m OF FIELD
 -DOWNSTREAM OF
 BACKFLOW
 IS 463 l/min @ 6.30 Bars

VALVE ID GUIDE

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

A5	A6
185	278
1.5"	2"
50	25

A1	A7	A8	A9	A4
463	424	424	424	463
2"	2"	2"	2"	2"
25	12	12	12	25

A2	A3
278	185
2"	1.5"
25	50

IRRIGATION LEGEND

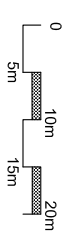
- PRODUCT DESCRIPTION
- HUNTER I-40-04-SS-ON-B-XXI-40-06-SS-ON-B-XX NOZZLE AS SHOWN
- HUNTER I-40-04-SS-B-XXI-40-06-SS-B-XX NOZZLE AS SHOWN
- NOZZLE PERFORMANCE:
 - #23 @ 5.5 Bars - 92.7 l/min 19.8m RADIUS
 - #20 @ 5.5 Bars - 84.7 l/min 20.1m RADIUS
- ⊕ HUNTER ICV/IBV ELECTRIC CONTROL VALVE SIZE AS SHOWN
- ⊕ HUNTER HQ-44-XX-AW QUICK COUPLER VALVE (OPTIONAL)
- ⊕ HUNTER IC-1200-M SOL ID STATE METAL CABINET CONTROLLER
- ⊕ HUNTER SOLAR-SYNCS-SEN ON SITE WEATHER SENSOR
- ⊕ WATER METER MINIMUM SIZE @ 463 l/min IS 99mm
- ⊕ BACKFLOW PREVENTER SIZE TO SYSTEM l/min
- ⊕ MAINLINE PIPE
- ⊕ LATERAL PIPE
- ⊕ SLEEVING
- ⊕ ISOLATION VALVE LINE SIZED

IRRIGATION NOTES

1. SPRINKLER LOCATIONS ARE TO SCALE
2. PIPE LOCATIONS ARE DIAGRAMATIC
3. ALL SPRINKLERS TO BE INSTALLED ON 32mm 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/OCVs OUT OF HIGH TRAFFIC AREAS
9. WIRE SPLICE CONNECTIONS TO BE WATERPROOF
10. OCV 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 m ³ /hr	PR l/min	DU mm/hr	SC (mm micron)
A1	2"	273	463	25	.84
A2	1.5"	167	278	28	.84
A3	1.5"	167	278	28	.84
A4	2"	273	463	25	.84
A5	1.5"	111	185	25	.84
A6	1.5"	167	278	25	.84
A7	2"	25.4	424	12	.79
A8	2"	25.4	424	12	.79
A9	2"	25.4	424	12	.79



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



RUGBY FIELD
 I-40 FIVE ROW DESIGN

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