

WATER REQUIREMENT

WATER REQUIREMENT AT
-FIELD ELEVATION
-WITHIN 30m OF FIELD
-DOWNSTREAM OF
BACKFLOW
IS 270 l/min @ 5.86 Bars

IRRIGATION LEGEND

PRODUCT DESCRIPTION
● HUNTER I-20-AD5-XX/1-20-6P-AD5-XX
● HUNTER I-40-04-SS-B-ON-XX/1-40-06-SS-B-ON-XX
● HUNTER I-40-04-SS-B-XX/1-40-06-SS-B-XX
NOZZLE PERFORMANCE:
1-20
#SR1.5 @ 3.5 Bars - 2.9 l/min 7.6m RADIUS
#SR.75 @ 3.5 Bars - 5.6 l/min 7.6m RADIUS
1-41
#40 @ 4.0 Bars - 32.0 l/min 14.0m RADIUS
#43 @ 5.3 Bars - 66.1 l/min 18.6m RADIUS
#18 @ 5.5 Bars - 67.5 l/min 18.9m RADIUS
HUNTER ICV/IBV ELECTRIC CONTROL VALVE SIZE
HUNTER HOC-44-XX-4W QUICK COUPLER VALVE
HUNTER ACC-1200-4W SOLID STATE METAL CABINET CONTROLLER
HUNTER SOLAR-SYNC-SEN ON SITE WEATHER SENSOR
WATER METER MINIMUM SIZE @ 270 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

1. SPRINKLER LOCATIONS ARE TO SCALE
2. PIPE LOCATIONS ARE DIAGRAMMATIC
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/ICV/S 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

SPRINKLER PERFORMANCE DATA

ZONE	SIZE	FLOW m ³ /hr	PR in/lin	DU mm/hr	SC (10% WINDOWN)
A1	1.5"	12	19	.85	1.2
A2	1.5"	12	19	.83	1.2
A3	1.5"	9.8	164	.83	1.2
A4	1.5"	9.8	164	.83	1.2
A5	1.5"	9.8	164	.83	1.2
A6	1.5"	9.8	164	.83	1.2
A7	1.5"	9.8	164	.83	1.2
A8	1.5"	9.8	164	.83	1.2
A9	1.5"	9.8	164	.83	1.2
A10	1.5"	9.8	164	.83	1.2

VALVE ID GUIDE

STATION NUMBER	VALVE SIZE	PRECIPITATION RATE
A1	1.5"	19.0
A2	1.5"	19.0
A3	1.5"	19.0
A4	1.5"	19.0
A5	1.5"	19.0
A6	1.5"	19.0
A7	1.5"	19.0
A8	1.5"	19.0
A9	1.5"	19.0
A10	1.5"	19.0

