

### WATER REQUIREMENT

WATER REQUIREMENT AT  
-FIELD ELEVATION  
-WITHIN 30m OF FIELD  
-DOWNSTREAM OF  
BACKFLOW  
IS 385 l/min @ 6.0 Bars

### IRRIGATION LEGEND

- PRODUCT DESCRIPTION**
- HUNTER I-35-06-SS-B-XX, NOZZLE AS SHOWN
  - HUNTER I-35-06-SS-B-XX, NOZZLE AS SHOWN
  - HUNTER I-35-06-SS-HS-B-XX, NOZZLE AS SHOWN
- NOZZLE PERFORMANCE:**
- #9 @ 4.0 Bars - 34.2 l/min 15.2m RADIUS
  - #12 @ 5.5 Bars - 54.0 l/min 16.8m RADIUS
  - #15 @ 5.5 Bars - 61.5 l/min 17.7m RADIUS
  - #18 @ 5.5 Bars - 68.9 l/min 19.2m RADIUS
  - #24 @ 5.5 Bars - 96.3 l/min 20.1m RADIUS
- HUNTER IGV/IBV ELECTRIC CONTROL VALVE SIZE AS SHOWN**
- ⊕ HUNTER HQ-44-XX-AW QUICK COUPLER VALVE (OPTIONAL)
  - ⊕ HUNTER AGC-1800-AW SOLID STATE METAL CABINET CONTROLLER
  - ⊕ HUNTER SOLAR-S-XX-SEN ON SITE WEATHER SENSOR
- WATER METER MINIMUM SIZE @ 385 l/min IS 63mm**
- ⊖ WATER FLOW PREVENTER SIZED TO SYSTEM l/min
  - ⊖ BACKFLOW PIPE
  - ⊖ MAINLINE PIPE
  - ⊖ LATERAL PIPE
  - ⊖ SLEEVING
  - ⊖ ISOLATION VALVE LINE SIZED
  - ⊖ HUNTER FLOW SENSOR IN LINE SIZED FLOW CLIK TEE "F-CT"
- HFS** HUNTER FLOW SENSOR IN LINE SIZED FLOW CLIK TEE "F-CT"

### 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/OCV'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

### VALVE ID GUIDE

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

### SYSTEM PERFORMANCE DATA

ZONE	SIZE	FLOW l/min	PR mm Hg	DU min	SC <sub>100</sub> (% WASTAGE)
A1	1.5"	8.2	137	.83	1.6
A2	1.5"	14.3	239	1.72	.87
A3	1.5"	14.8	246	1.72	.87
A4	1.5"	7.4	123	1.72	.87
A5	2"	17.3	289	1.21	1.1
A6	1.5"	14.8	246	2.71	.87
A7	1.5"	14.8	246	2.71	.82
A8	2.5"	9.2	157	93.8	.82
A9	1.5"	12.4	208	24.8	.82
A10	1.5"	12.4	208	24.8	.82
A11	1.5"	17.4	290	24.8	.80
A12	2"	17.4	290	13.7	.80
A13	2"	23.1	385	13.7	.82
A14	2"	17.3	289	13.7	.82
A15	2"	17.3	289	13.7	.82
A16	2"	18.5	308	13.7	.82

