



**WATER REQUIREMENT**  
 WATER REQUIREMENT AT  
 -FIELD ELEVATION  
 -WITHIN 30m OF FIELD  
 -DOWNSTEAM OF  
 BACKFLOW  
 IS 270 l/min @ 5.89 Bars

- IRRIGATION LEGEND**
- PRODUCT DESCRIPTION
  - HUNTER HQ-04-SS-ON-B-XXII-40-06-SS-ON-B-XX NOZZLE AS SHOWN
  - HUNTER HQ-04-SS-B-XXII-40-06-SS-B-XX NOZZLE AS SHOWN
  - NOZZLE PERFORMANCE:  
 #18 @ 5.5 Bars - 67.5 l/min 18.9m RADIUS  
 #43 @ 5.5 Bars - 66.1 l/min 18.6m RADIUS
  - ⊕ HUNTER ICV/IBV ELECTRIC CONTROL VALVE SIZE AS SHOWN
  - ⊕ HUNTER HQ-44-XX-AW QUICK COUPLER VALVE (OPTIONAL)
  - ⊕ HUNTER ACC-1800-AW 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 CLK TEE "CT"

|     |     |      |      |
|-----|-----|------|------|
| A14 | 203 | 1.5" | 12.6 |
| A3  | 264 | 2"   | 21.5 |
| A10 | 270 | 2"   | 21.5 |
| A11 | 203 | 1.5" | 12.6 |

|     |     |      |      |
|-----|-----|------|------|
| A12 | 203 | 1.5" | 12.6 |
| A13 | 270 | 2"   | 21.5 |
| A6  | 264 | 2"   | 21.5 |
| A9  | 203 | 1.5" | 12.6 |
| A1  | 264 | 2"   | 21.5 |
| A8  | 270 | 2"   | 21.5 |
| A7  | 203 | 1.5" | 12.6 |
| A2  | 264 | 2"   | 21.5 |

**VALVE ID GUIDE**

|    |     |      |    |
|----|-----|------|----|
| A1 | 273 | 1.5" | 19 |
|----|-----|------|----|

**SYSTEM PERFORMANCE DATA**

| ZONE | SIZE | FLOW<br>mm/hr | PR<br>mm/hr | DU<br>mm/hr | SC (10% WINDOV) |
|------|------|---------------|-------------|-------------|-----------------|
| A1   | 2"   | 15.8          | 264         | 21.5        | .82             |
| A2   | 2"   | 15.8          | 264         | 21.5        | .82             |
| A3   | 2"   | 15.8          | 264         | 21.5        | .82             |
| A4   | 2"   | 15.8          | 264         | 21.5        | .82             |
| A5   | 2"   | 15.8          | 264         | 21.5        | .82             |
| A6   | 2"   | 15.8          | 264         | 21.5        | .82             |
| A7   | 2"   | 15.8          | 264         | 21.5        | .82             |
| A8   | 2"   | 16.2          | 270         | 12.6        | .82             |
| A9   | 2"   | 16.2          | 270         | 12.6        | .82             |
| A10  | 2"   | 16.2          | 270         | 12.6        | .82             |
| A11  | 2"   | 16.2          | 270         | 12.6        | .82             |
| A12  | 2"   | 16.2          | 270         | 12.6        | .82             |
| A13  | 2"   | 16.2          | 270         | 12.6        | .82             |
| A14  | 2"   | 16.2          | 270         | 12.6        | .82             |
| A15  | 2"   | 16.2          | 270         | 12.6        | .82             |
| A16  | 2"   | 16.2          | 270         | 12.6        | .82             |

- 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/COV'S OUT OF HIGH TRAFFIC AREAS
  9. WIRE SPLICE CONNECTIONS TO BE WATERPROOF
  10. COV 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



Hunter Industries offers this data as a general guide to estimate system performance. Actual performance may vary due to site conditions, soil characteristics, and other factors. Hunter Industries is not responsible for the accuracy of this information.



**CRICKET FIELD**  
**I-40 EIGHT ROW DESIGN**  
**LOOPED MAINLINE**

Hunter Industries  
 1940 Diamond Street  
 San Marcos, California 92078  
 SpecPro Technical Assistance  
 1-800-319-4796  
 www.HunterIndustries.com