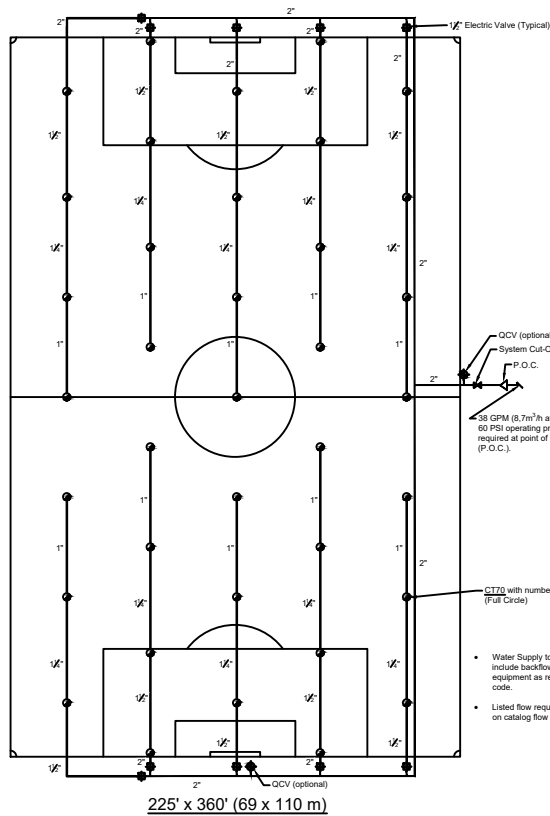
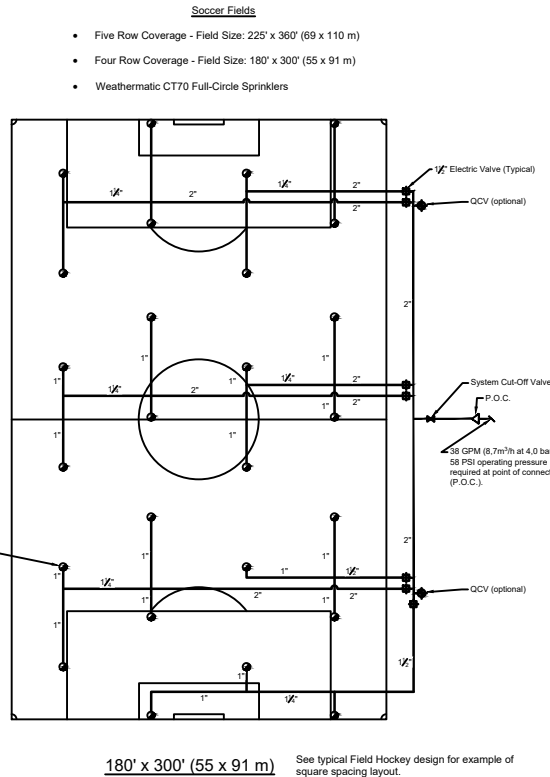




### Soccer Field Five & Four Row Coverage Weathermatic CT70 Sprinklers



225' x 360' (69 x 110 m)



180' x 300' (55 x 91 m)

- Soccer Fields**
- Five Row Coverage - Field Size: 225' x 360' (69 x 110 m)
  - Four Row Coverage - Field Size: 180' x 300' (55 x 91 m)
  - Weathermatic CT70 Full-Circle Sprinklers

OCV (optional / 3 locations)  
System Cut-Off Valve  
P.O.C.  
58 GPM (8.7m<sup>3</sup>/h at 4.1 bar) at 80 PSI operating pressure required at point of connection (P.O.C.)

CT70 with number 71 nozzle (Full Circle)  
• Water Supply to P.O.C. should include backflow prevention equipment as required by local code.  
• Listed flow requirement based on catalog flow plus 5%.

System Cut-Off Valve  
P.O.C.  
58 GPM (8.7m<sup>3</sup>/h at 4.0 bar) at 58 PSI operating pressure required at point of connection (P.O.C.)

Typical System Design			
Quantity	Material: FIVE ROWS	Quantity	Material: FOUR ROWS
37	CT70-38 Full Circle Sprinklers	26	CT70-38 Full Circle Sprinklers
18	1" Swing Joint	26	1" Swing Joint
10	Weathermatic 1 1/2" MAX-IW-15 Electric Valve	7	Weathermatic 1 1/2" MAX-IW-15 Electric Valve
10	Valve Box	7	Valve Box
1	Weathermatic Controller (10 Stations Required)	1	Weathermatic Controller (7 Stations Required)
3	Weathermatic 7643 1" Quick Coupling Valve (Optional)	2	Weathermatic 7643 1" Quick Coupling Valve (Optional)
3	1" Swing Joint (Q.C.V.)	2	1" Swing Joint (Q.C.V.)
540'	1" PVC Pipe SDR-21 (200 psi)*	700'	1" PVC Pipe SDR-21 (200 psi)*
520'	1-1/4" PVC Pipe SDR-21 (200 psi)*	280'	1-1/4" PVC Pipe SDR-21 (200 psi)*
520'	1-1/2" PVC Pipe SDR-21 (200 psi)*	140'	1-1/2" PVC Pipe SDR-21 (200 psi)*
820'	2" PVC Pipe SDR-21 (200 psi)*	700'	2" PVC Pipe SDR-21 (200 psi)*
As Required	Schedule 40 PVC Fittings, Primer and Solvent	As Required	Schedule 40 PVC Fittings, Primer and Solvent
1	System Cut-off Valve	1	System Cut-off Valve
1	Valve Box (Cut-off Valve)	1	Valve Box (Cut-off Valve)
334g	No. 14 U.F. Station Wire*	840'	No. 14 U.F. Station Wire*
780'	No. 14 U.F. Common Wire*	280'	No. 14 U.F. Common Wire*
As Required	Wire Splice Connectors	As Required	Wire Splice Connectors

All specified equipment, sizes and related data pertaining to these typical designs are for reference only. Designs for actual projects must be based on the criteria of the individual system and actual site data.

\* Pipe and wire lengths are measured to P.O.C.



## SOCCER FIELD

NTS

DETAIL-FILE

See typical Field Hockey design for example of square spacing layout.