



L.R. Nelson Corporation
One Sprinkler Lane
Peoria, Illinois 61615

Title:

Multipurpose Field

7500 ADV Series Sprinklers

75 PSI Operating Pressure at Sprinkler Head, 100 G.P.M. Water Supply

Scale: **1"=50'0"**

File: MLT17575.DWG

This design is for reference only. Your actual field dimensions may vary.
 Please adjust design as necessary.

Notes:

1. Minimum lateral pipe size downstream of valve and before first sprinkler will be 2" in size.
2. Lateral piping to second sprinkler and beyond could remain 2" in size or can be reduced to match flow at that segment.
3. Lateral piping layout is prepared for installation via vibratory plow or trenching.
4. Mainline and valve location may change depending upon overall sports complex layout.
5. Mainline size will vary depending upon overall sports complex layout.
6. Thrust blocking at mainline and valve locations required.

Key



Nelson 7500 ADV (Pop-Up Rotor)

Part Circle Usage
 Side Lines - 20.0 G.P.M. # 6 Nozzle
 End Zones - 12.2 G.P.M. # 3 Nozzle



Nelson 7500 ADV (Pop-Up Rotor)

Full Circle Usage - 24.8 G.P.M.
 # 8 Nozzle



Nelson 2" Electric Valve

(Use Globe Configuration)



Nelson 7645 1" Quick Coupling Valve



Mainline Piping
PVC Class 200 SDR 21
 (number indicates size)



Lateral Piping PVC Class 200
 (number indicates size)

L.R. NELSON MATERIAL QUANTITIES

- 24 - L.R. Nelson 7500 ADV Part Circle Rotors
- 13 - L.R. Nelson 7500 ADV Full Circle Rotors
- 10 - L.R. Nelson 2" Electric Valves
- 5 - L.R. Nelson 7645 1" Quick Coupling Valves
- 1 - L.R. Nelson SmartZone Controller
 - 8520 or 8536 with (1) Plus4 Module

Notes

Water Source
Total Volume Available Unknown
But Assume 100 G.P.M. For This Application

→ If Possible Water Supply, Use
an approved backflow device

→ Min. 85 PSI Working Pressure Here

→ Sleeving Required Prior To Track Construction
Or Place Through Auger. Size Will Vary
According To Application.

