Nelson Guidelines For Establishing A Sprinkler System 
For A Baseball Field Without A Warning Track

7500 ADV Series Sprinklers
75 PSI Operating Pressure at Sprinkler Head, 90 G.P.M. Water Supply

Scale: 1"=50'0"

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.

See page two for Field Diagram.
L.R. NELSON MATERIAL QUANTITIES

1. L.R. Nelson 7500 ADV 24" Circle Rotors
2. L.R. Nelson 7500 ADV 18" Circle Rotors
3. L.R. Nelson 7952 2" Electric Valves
4. L.R. Nelson 7645 1" Quick Coupling Valves
5. L.R. Nelson SmartZone Controller
6. Z2800 w/ 3 Plast Modules
7. Z2885 w/ 3 Plast Modules

Key

Nelson 7500 ADV (Pop-Up Rotor)
Partial Circle Usage - 16.2 G.P.M.
# 5 Nozzle

Nelson 7500 ADV (Pop-Up Rotor)
Full Circle Usage - 21.3 G.P.M.
# 7 Nozzle

Nelson 7952 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)

Sports Turf AdvanTage
Division of Plant Sciences-Turfgrass Research Center
College of Agriculture, Food and Natural Resources
University of Missouri