



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

Title:

Official Tennis Court Layout (Single Court)

7500 ADV with or without model 6101 Sod Cup
60 PSI Operating Pressure at Sprinkler Head, 30 G.P.M. Water Supply

Scale: **1"=20'0"**

File: TNSS7560.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
Quarter Circle – 14.4 G.P.M.
5 Nozzle



Nelson 1 1/2" Electric Valve

(Use Globe Configuration)



Nelson 7645 1" Quick Coupling Valve



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

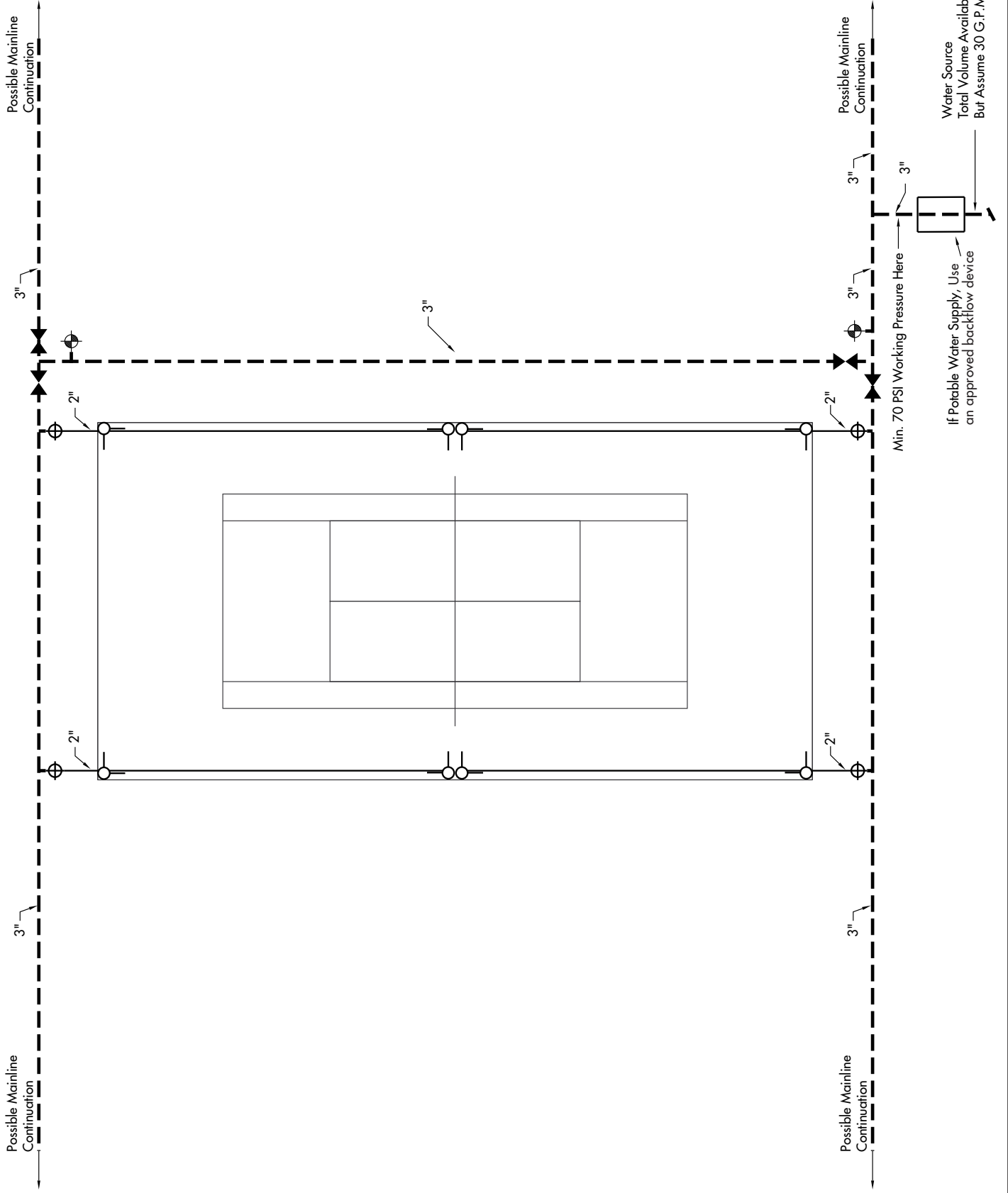


Lateral Piping PVC Class 200
(number indicates size)

L.R. NELSON MATERIAL QUANTITIES

- 8 - L.R. Nelson 7500 ADV Quarter Circle Rotors
- 4 - L.R. Nelson 1 1/2" Electric Valves
- 2 - L.R. Nelson 7645 1" Quick Coupling Valves
- 1 - L.R. Nelson SmartZone Controller
- 8520 or 8536 with (0) Plus4 Modules

Notes



Water Source
 Total Volume Available Unknown
 But Assume 30 G.P.M. For This Application

If Potable Water Supply, Use
 an approved backflow device

Min. 70 PSI Working Pressure Here