30 - 1¼ inch PVC female screw caps
2 - 4" Sch. 40 PVC ells
40 ft. - 4" Sch. 40 pipe

Holes: (for 640 ft. 1¼ inch 160 psi PVC)

Spacing:	5 ft. (2.5, 7.5, 12.5 and 17.5 ft. from end of each 20 ft. pipe)
Size:	11/64 inch diameter
Total Number Holes:	128
Lateral Length:	variable
Length Field:	variable
Trench Length:	variale
Width Field:	variable
Number of Trenches:	15
Maximum rise:	Laterals should not slope more than 3 inches per 100 feet. Dig trench bottom as close as possible to level.

Trench Dams: Install clay dams in lower 4 inches of trench at 20 foot intervals along all trenches. Also place 8 inch clay dam at end of each lateral next to the manifold trench.

Pumping Equipment:
1 - Meyers WHR5 ½ hp effluent pump, or equivalent (55 GPM at TDH 18 ft.)
1 - Meyers AWS-1 level control, or equivalent
1 - Meyers FLCA Alarm control, or equivalent
1 - Meyers Alarm and control box, or equivalent
1 - Water tight receptacle box for pumping tank
1 - Pull chain (non-corrosive)
1 - 4 inch thick concrete block

Dosing: Note: Pump tank must be constructed at a lower elevation than the field, so that excess water will drain back to the pump tank.

Dosing Volume:	250 gal.
Inches between floats:	20
Residual head:	Set 12 inch residual head at end of the risers by adjusting the valves in the field.