

MOUND SYSTEM PRESSURE DISTRIBUTION WORKSHEET

Number of bedrooms \_\_\_\_\_ 91-799 Sec 3(d)  
Septic tank size \_\_\_\_\_ Sec 38(a)  
Dosing tank size \_\_\_\_\_ Sec 44(g)

Dimensions (minimum bed width 4 feet-maximum width 10 feet) Sec 56(e)

Gravel bed \_\_\_\_\_ ft. wide x \_\_\_\_\_ ft long = total bed square feet Sec 56(N)  
Basal area \_\_\_\_\_ ft wide x \_\_\_\_\_ ft long = total basal square feet Sec 56 (a) 2

(On flat sites ten feet of sand is required on ends and sides of gravel bed)

Distribution Network

Diameter of perforated distribution lines \_\_\_\_\_ inches Sec 56(t)  
Number of distribution lines \_\_\_\_\_ Sec 56(aa)  
Total length of perforated distribution lines \_\_\_\_\_  
Hole spacing \_\_\_\_\_ feet on center Sec 56(bb)  
Hole size \_\_\_\_\_ inches Sec 56(v)  
Total number of holes \_\_\_\_\_  
Distance between pipes \_\_\_\_\_ (prefer 36") Sec 56(aa)

\*\*Total number of holes x 1.28 or 1.17 = total Sec 55(Z)table XI

Delivery Line

Diameter of delivery line \_\_\_\_\_ inches Sec 56(q)  
Length of delivery line \_\_\_\_\_ feet  
Friction loss in delivery line \_\_\_\_\_ feet Sec 53 (V) table VIII

Example:

Diameter of delivery line 3"  
Length of delivery line 75'  
70 total GPM  
Friction loss at 70 = 1.21 feet per 100 ft of 3" pipe  
1.21 x 75/100 = .907 feet of friction loss for 75 feet of pipe  
Manifold size inches (if different than delivery line) over

Total Design Head

Total Design Head = A + B + C \_\_\_\_\_ feet  
A. Friction loss in delivery line \_\_\_\_\_ feet  
B. Elevation difference (pump to manifold) \_\_\_\_\_ feet  
C. System design head \_\_\_\_\_ feet

(Must correlate with discharge rate per hole. See Sec 55(Z) Table XI)

Total Design Head = \_\_\_\_\_ feet  
Total Discharge Rate (\*from previous page) \_\_\_\_\_ GPM

Pump's name, model number and performance curve  
Included \_\_\_\_\_ YES  
\_\_\_\_\_ NO

Dosing tank will be set up in compliance with Sec 44  
& Sec 45 of State Code \_\_\_\_\_ YES  
\_\_\_\_\_ NO

Electrical connections will be inside gas proof box  
\_\_\_\_\_ YES  
\_\_\_\_\_ NO

All septic tank and dosing tanks will have risers  
In accordance with Section 39(g) \_\_\_\_\_ YES  
\_\_\_\_\_ NO

Each dose tank will be equipped with an audible and  
Visual alarm \_\_\_\_\_ YES  
\_\_\_\_\_ NO

Perimeter Drain

Depth of perimeter drain \_\_\_\_\_ inches  
Perimeter drain outfall \_\_\_\_\_ on lot to ground surface (elevations included on plans)  
or  
\_\_\_\_\_ to field tile discharging off lot (include legal easements)

A "to scale" drawing of the proposed mound system  
including all applicable checklist items, birds eye  
view, and cross sectional view is included \_\_\_\_\_ YES  
\_\_\_\_\_ NO