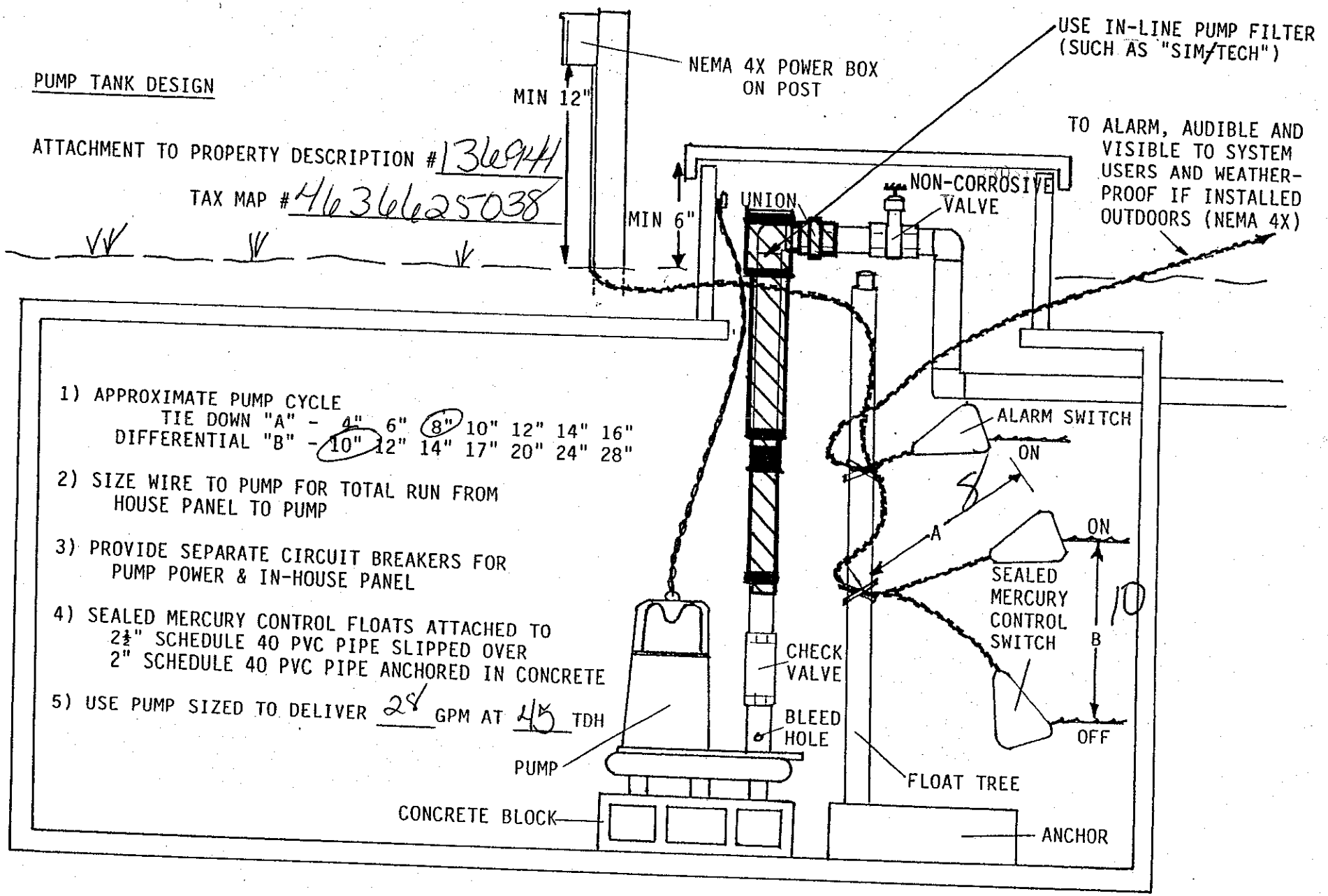
PUMP TANK DESIGN

ATTACHMENT TO PROPERTY DESCRIPTION # 136944

TAX MAP # 4636625038



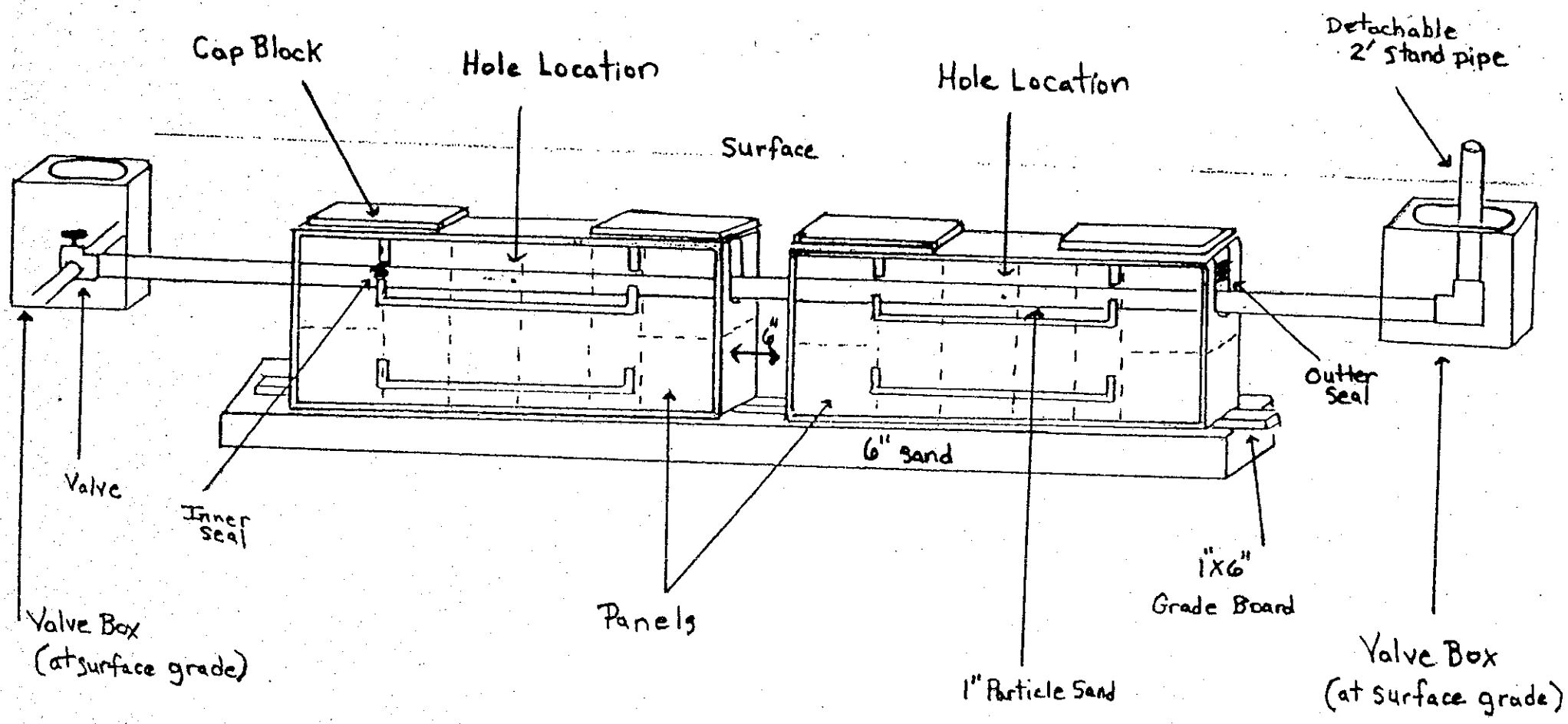
1) APPROXIMATE PUMP CYCLE
   TIE DOWN "A" - ~~4"~~ 6" (8") 10" 12" 14" 16"
   DIFFERENTIAL "B" - (10") 12" 14" 17" 20" 24" 28"

2) SIZE WIRE TO PUMP FOR TOTAL RUN FROM HOUSE PANEL TO PUMP

3) PROVIDE SEPARATE CIRCUIT BREAKERS FOR PUMP POWER & IN-HOUSE PANEL

4) SEALED MERCURY CONTROL FLOATS ATTACHED TO 2½" SCHEDULE 40 PVC PIPE SLIPPED OVER 2" SCHEDULE 40 PVC PIPE ANCHORED IN CONCRETE

5) USE PUMP SIZED TO DELIVER 24 GPM AT 45 TDH



Pressure Dosed PPBPS

of panels 42.
Size holes 5/32. 1 hole per panel.
Approximate amount of sand needed 44 1/2 tons
100lbs. of partical sand per 8 panels.
Sidewalls raked and limed.
GPM 28.
TDH 45.

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Comments

Pump Design Sheet **For:** **By:**

System Length (linear ft)	267	Total Flow (gpm)	27.57
# of 16in Panels	62		
# of Lines	6		
Hole Size (in) (5/32=.156 3/16=.188)	0.156	Friction Loss (ft) - Supply Line	3.00
Drainfield Pipe Size (in)	1.25	Friction Loss (ft) - Valve Box	4.80
Supply Line Size (in)	2	Friction Loss (ft) - Drain Lines	14.11
Supply Line Length (ft)	140		
Pressure Head (ft)	2	Friction Loss (ft) - Total	21.91
Elevation Head (ft)	20		
		Total Dynamic Head (ft)	44.41

When choosing a pump for this system, you will need a pump that can deliver:

27.57 GPM against **44.41** FT of Total Dynamic Head

Dose Volume (gal)	221.82
Pump Run Time (min)	8.05
Tank Drawdown (in)	10.56