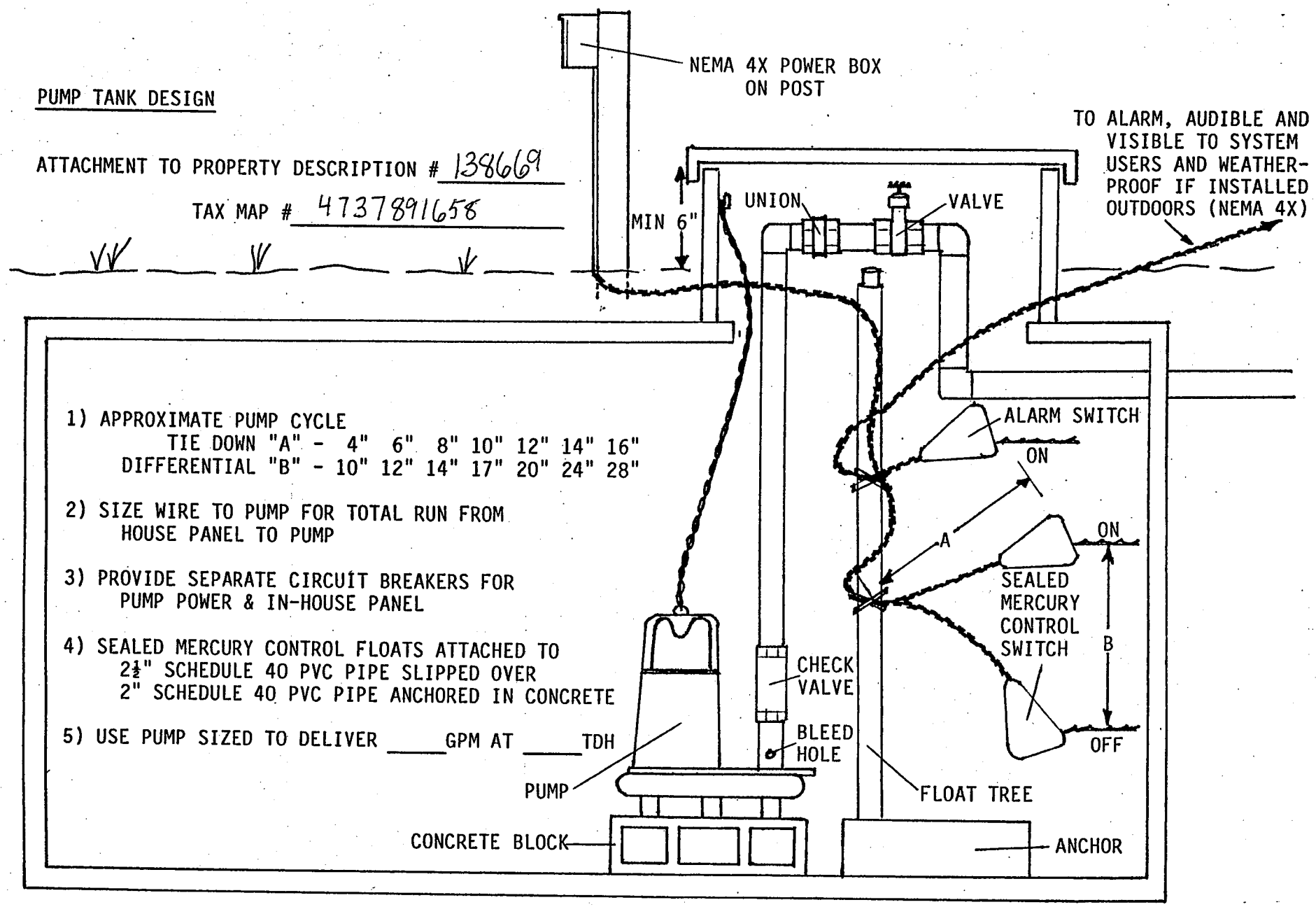
PUMP TANK DESIGN

ATTACHMENT TO PROPERTY DESCRIPTION # 138669

TAX MAP # 4737891658



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

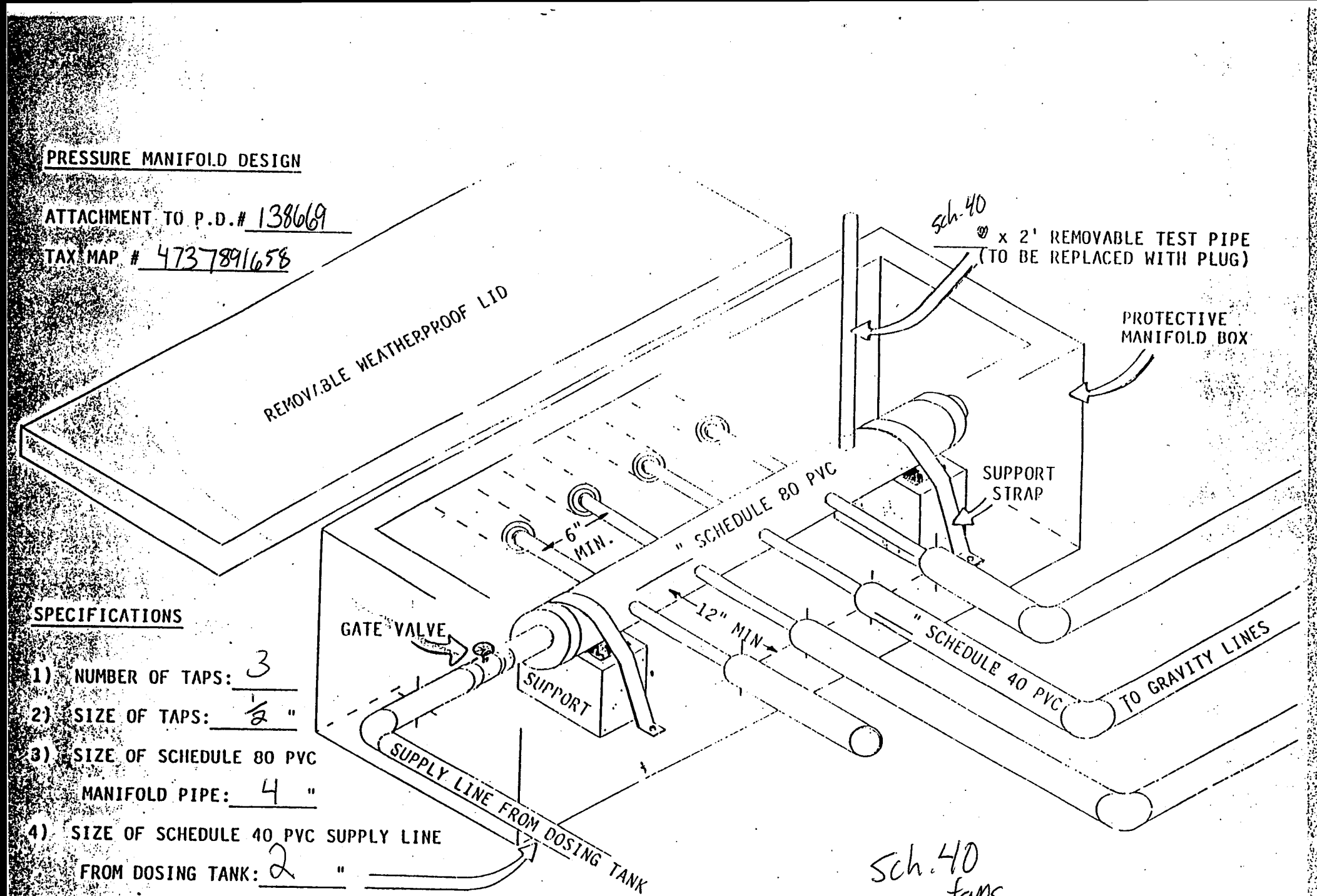
4) SEALED MERCURY CONTROL FLOATS ATTACHED TO 2½" SCHEDULE 40 PVC PIPE SLIPPED OVER 2" SCHEDULE 40 PVC PIPE ANCHORED IN CONCRETE

5) USE PUMP SIZED TO DELIVER _____GPM AT _____TDH

PRESSURE MANIFOLD DESIGN

ATTACHMENT TO P.D.# 138669

TAX MAP # 4737891658



SPECIFICATIONS

1) NUMBER OF TAPS: 3
2) SIZE OF TAPS: 1/2 "
3) SIZE OF SCHEDULE 80 PVC MANIFOLD PIPE: 4 "
4) SIZE OF SCHEDULE 40 PVC SUPPLY LINE FROM DOSING TANK: 2 "

Sch. 40 taps.

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

System Length (linear ft)	300		
# of Taps	3	Manifold Length (in)	24
Manifold Size (in)	4	Flow per Tap (gpm)	7.11
Tap Type (sch 40 or 80)	40	Total Flow (gpm)	21.34
Tap Size (in)	0.5	Friction Loss (ft)	1.67
Tap Length (in)	12	Total Dynamic Head (ft)	15.67
Supply Line Size (in)	2		
Supply Line Length (ft)	125		
Pressure Head (ft)	2		
Elevation Head (ft)	12		

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

21.34 GPM against **15.67** FT of Total Dynamic Head

Dose Volume (gal)	146.25
Pump Run Time (min)	6.85
Tank Drawdown (in)	6.96