Scottie Brown Zootastic Fast Track Septic System Information

Foundation	**concrete slab**
Design Flow (gpd)	**925**
Primary System LTAR (gpd/ft2)	**0.3**
Primary System Type	**25% Reduction**
No. Lines	8 (See Table)
Total Linear Feet	776
Trench Width	3' min.
Trench Spacing	9' min.
Pump Required	Yes
Distribution Device	Pressure Manifold
Maintenance Agreement Required	No
Length and Diameter of Supply Pipe	~325' of ~~2"~~ 3" SCH 40 PVC USE 3" SCH 40 PVC
Flow Rate through the system	44 gpm
Elevation head	Approx. 15'
Pressure head	2.0'
Friction head	~~19.3'~~ 2.3'
20% Contingency	1.3'
Total Head	~~43.6'~~ 21' TDH
Pump Requirements	44 gpm @ ~~44~~ 21' of head ***To be designed by installer.**
Maximum Dosing Volume	450 gal - 2.1 doses/day @ design flow
Volume of water pumped per dose	Calculated to specific tank by measure or dealer engineering specifications (1 cubic ft. of water equals 7.48 gal.)
Pump Run per dose	approx. 10.2 min.
Check Valve	Yes
Siphon Break hole	No
Repair System	**LP PPBPS**
Total Linear Feet	650 *514' Required*
Repair Loading Rate	0.3

Scottie Brown Zootastic Fast Track Septic System Information

Table: Summary of Primary and Repair Nitrification Line Specifications

Line No.	Use	Line Color	System Type	Line Length (Ft.)	Rod Reading (Ft.)
1	Primary	Pink	**25% Reduction**	97	5.3
2	Primary	Pink	**25% Reduction**	97	5.3
3	Primary	Red	**25% Reduction**	97	6.1
4	Primary	Red	**25% Reduction**	97	6.1
5	Primary	White	**25% Reduction**	97	6.8
6	Primary	White	**25% Reduction**	97	6.8
7	**Primary**	**Orange**	**25% Reduction**	97	**7.6**
8	**Primary**	**Orange**	**25% Reduction**	97	**7.6**
9	**Repair**	**Pink**	**LPPPBPS**	**210**	**8.2**
10	**Repair**	**Red**	**LPPPBPS**	**220**	**8.8**
11	**Repair**	**Orange**	**LPPPBPS**	**220**	**9.9**
				Total System: 776'	
				Total Repair: 650'	

Tank	pink	2000 gal (2 compartment)	
Pump Tank	pink	2000 gal.	12.0
bld.	exst.	conc. Slab at left side	9.5

Manifold Information	
Tap Size (In.)	1/2
Tap Material	SCH 80 PVC
No. Taps	8
Barrel Size (In.)	4
Barrel Material	SCH 80 PVC
Flow (gpm)/Tap	5.5

NOTES:

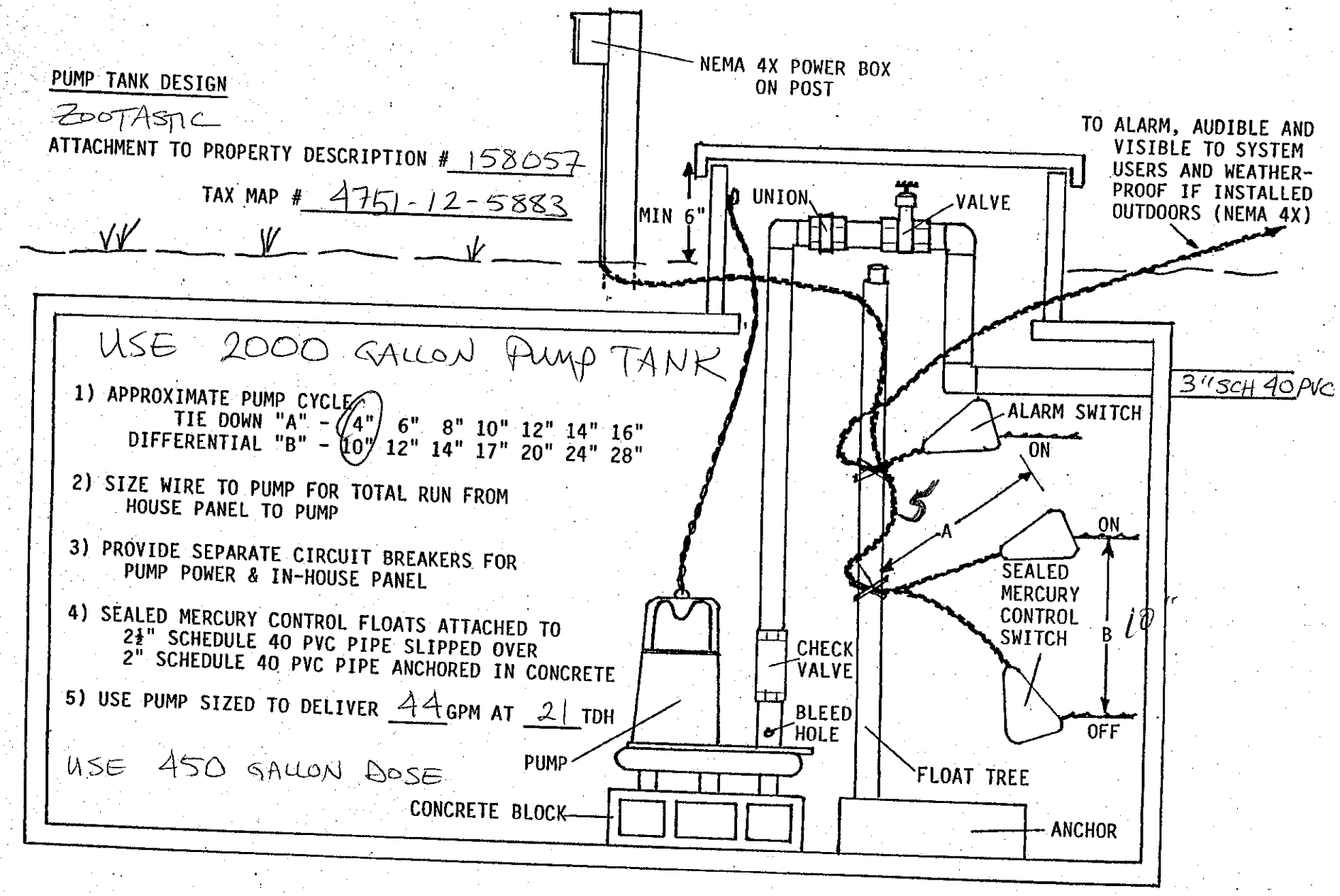
***Elevations must be verified by installer or surveyor at installation**

PUMP TANK DESIGN

ZOOTASTIC

ATTACHMENT TO PROPERTY DESCRIPTION # 158057

TAX MAP # 4751-12-5883



USE 2000 GALLON PUMP TANK

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 44 GPM AT 21 TDH

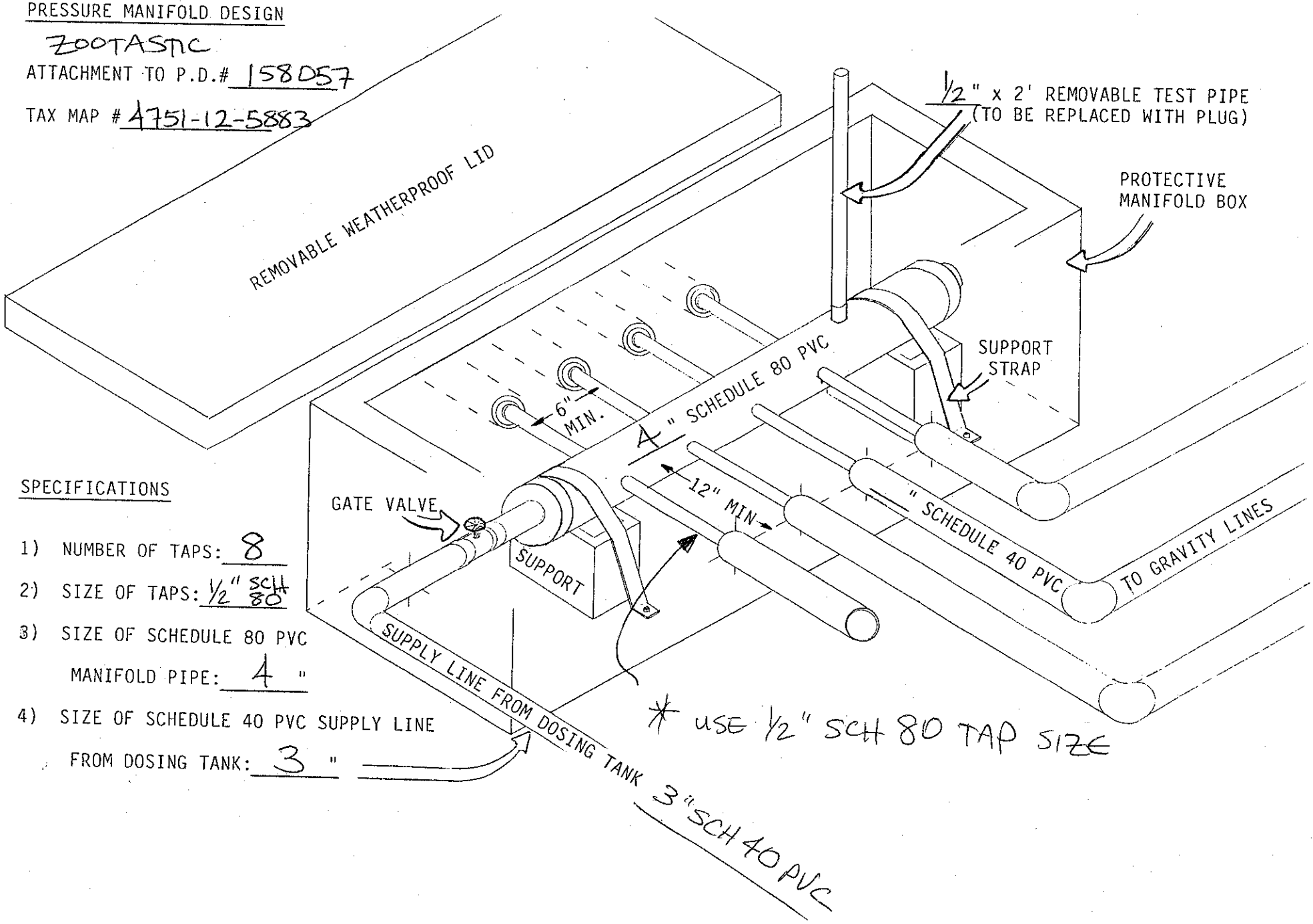
USE 450 GALLON DOSE

PRESSURE MANIFOLD DESIGN

ZOOTASTIC

ATTACHMENT TO P.D.# 158057

TAX MAP # 4751-12-5883



SPECIFICATIONS

1) NUMBER OF TAPS: 8
2) SIZE OF TAPS: ½" SCH 80
3) SIZE OF SCHEDULE 80 PVC MANIFOLD PIPE: 4 "
4) SIZE OF SCHEDULE 40 PVC SUPPLY LINE FROM DOSING TANK: 3 "