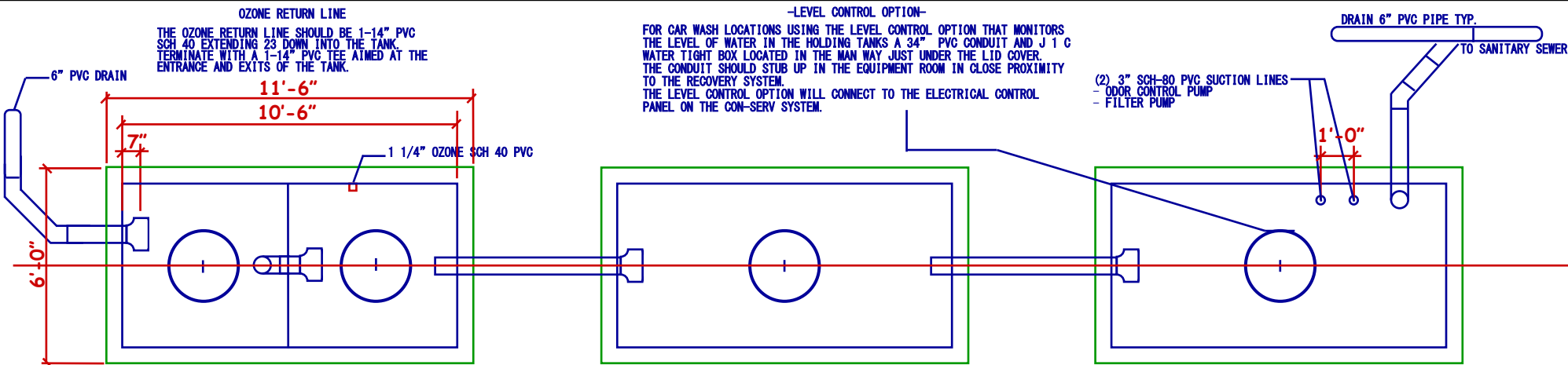




CON-SERV MANUFACTURING, INC.
605 WEST BRANNEN ROAD, LAKE LAND, FL 33813

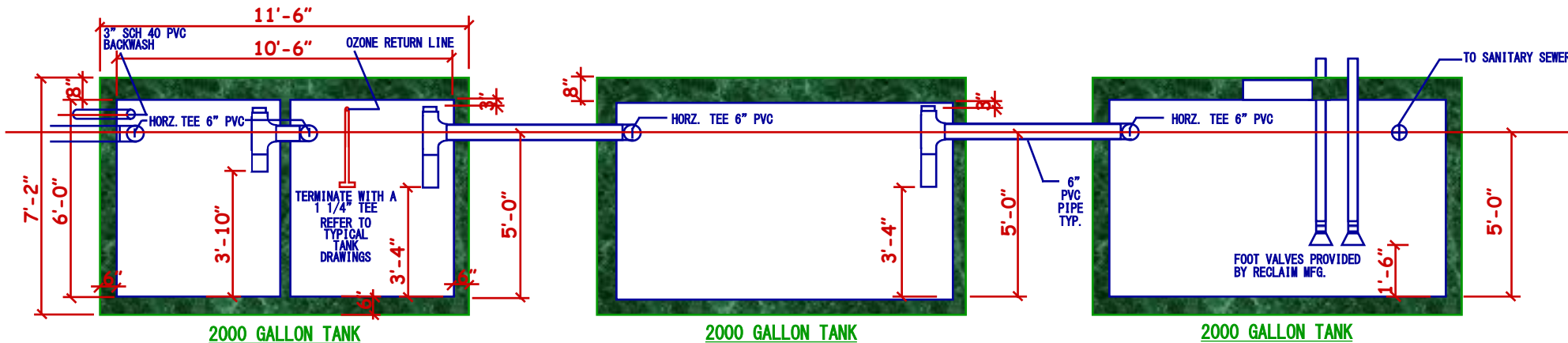
CON-SERV TYPICAL TANK DRAWING



TOP VIEW

FRONT VIEW

BACKWASH PLUMBED TO BAY OR TANK 1



CAR WASH RECLAIM SYSTEM

TANK STRUCTURE MAY VARY IN DIFFERENT LOCATIONS ACROSS THE COUNTRY. CON-SERV TYPICALLY RECOMMENDS 1,500 TO 2,000 GALLON CONCRETE OR FIBERGLASS TANKS. TYPICALLY, TANKS THAT ARE THE SAME AS OR SIMILAR TO SEPTIC TANKS ARE USED. LOCAL SUPPLIERS THAT MAKE OR DISTRIBUTE THIS TYPE TANK SHOULD BE CONTACTED TO INSURE COMPLIANCE WITH LOCAL CODES. MOST TANK BUILDERS ARE LICENSED AND APPROVED TO YOUR SPECIFIC AREA.

THE LOCATION OF THE TANKS ON YOUR SITE WILL DETERMINE WHETHER STANDARD OR TRAFFIC BEARING CONSTRUCTION IS NECESSARY.

THIS TANK DESIGN IS RECOMMENDED FOR CON-SERV WATER RECOVERY SYSTEMS ONLY. VARIATIONS FROM PIPE SIZE AND SPECIFICATIONS SHOWN ON THIS DRAWING COULD RESULT IN MALFUNCTION OR DAMAGE TO THE PUMPING COMPONENTS OF THE CON-SERV SYSTEM.

NOTE B

THE CON-SERV SYSTEM INCORPORATES THE USE OF A PARTICLE SEPARATOR AND SELF-CLEANING FILTER. THE SOLIDS REMOVED FROM THE TREATED WATER FLOW CAN BE DISCHARGED TO THE CONVEYOR TROUGH OR TO TANK 1. 1,500 TO 2,000 GALLONS

THE DISCHARGE SHOULD BE PLUMBED USING 3" PVC PIPE SCH 40.

THE 3" LINE SHOULD BE PLUMBED FROM THE RECLAIM SYSTEM TO THE POINT OF DISCHARGE (TROUGH OR TANK 1) USING SHORT, DIRECT RUNS. LIMIT THE AMOUNT OF TURNS, 90° ELBOWS, AND THE TRAVEL LENGTH OF THE DISCHARGE WATER.

THE DISCHARGE WATER CANNOT BE ELEVATED ABOVE THE HEIGHT OF THE RECOVERY SYSTEM AND MUST BE OPEN ENDED

SUCTION LINES:

- TWO SCH 80 PVC SUCTION LINES STUBBED UP AT THE RECOVERY SYSTEM (SEE CON-SERV STUB UP TYPICAL).
- THE TWO SUCTION LINES SHOULD BE NO LESS THAN 12" APART. CON-SERV WILL PROVIDE THE FLAPPER CHECK VALVE TO BE INSTALLED BY PLUMBING CONTRACTOR.
- THE TWO SUCTION LINES SHOULD BE 16" TO 18" OFF THE BOTTOM OF THE TANK AFTER THE CHECK VALVES ARE INSTALLED.

SIZE OF THE TWO SUCTION LINES:

- 5 HP, 100 TO 125 GPM SYSTEMS SHOULD USE 3" PVC SCH 80
- 3 HP, 65 GPM SYSTEMS SHOULD USE 2" PVC SCH 80

IMPORTANT:

- IT IS EXTREMELY IMPORTANT THAT ALL FITTINGS ARE PROPERLY CLEANED AND GLUED. ANY AIR LEAKS WILL CAUSE PRIME LOSS IN THE RECOVERY SYSTEM.
- ALL SYSTEMS SHOULD HAVE TWO LINES. ONE IS USED AS A BACK-UP IN CASE OF AIR LEAKS OR CLOGGING.