EXPLANATION OF SYSTEM OPERATION AND DESIGN

The initial wastewater disposal system recommended for this site consists of a 3,000 gal. capacity precast concrete septic tank and dosing tank with 1/2 hp. pump and float control switch, 3" dia. Sch. 40 PVC force main, an 8" dia. Sch. 80 PVC press. distr. manifold with 8 lateral taps of 1/2" dia. Sch. 80 PVC size, 3" dia. Sch. 40 PVC gravity piping from the manifold to the 8 disposal trenches 140' X 3' wide by 2' deep in 12" stone depth with 4" porous plastic tubing, along with an alarm system located in the Office area for indicating when problems occur. It should be kept in mind that this system is designed to accommodate a moderate amount of wastewater being generated by the 40 employees of Eclipse Packaging, Inc., and that all measures should be undertaken to minimize the volume of water entering the system as follows: (a) Providing water conserving plumbing fixtures within the building; (b) Making rapid repairs to leaking plumbing fixtures as they occur; (c) Developing conservative water use habits by employees; (d) Monitoring and maintaining the system as may be necessary for proper operation; (e) Checking the septic tank for sludge every year, and pumping out the sludge as needed for proper operation; (f) Insuring proper installation of this system; (g) Avoiding excessive sprinkling at the absorption field; (h) Checking the pump and float control switch regularly, at least monthly, to assure proper operation; and (i) replacing system components as needed for proper operation.

The system as recommended is intended to provide satisfactory wastewater disposal for the site encountered for a reasonable period of time. Due to the rather complex inter-relationship between soil properties, system installation, wastewater habit patterns of the occupants, system maintenance, vegetative activity, climate and rainfall, and other factors over which the Engineer has no control, yet which ultimately influence the successful operation of a wastewater disposal system, the Engineer requires that he be relieved of any liability that may result from failing or malfunctioning of this system of wastewater disposal. The persons occupying this building should be familiar with the contents of the Engineer's recommendations. A CONFERENCE SHOULD BE HELD WITH THE ENGINEER AND THE INSTALLATION CONTRACTOR IN ATTENDANCE PRIOR TO BEGINNING ANY ACTUAL CONSTRUCTION OF THE WASTEWATER DISPOSAL SYSTEM IN ORDER TO ANSWER ANY QUESTIONS AND TO INSURE THAT THE INSTALLATION CONTRACTOR WILL MAKE NO CHANGES TO THE RECOMMENDED SYSTEM WITHOUT FIRST OBTAINING WRITTEN PERMISSION FOR SUCH CHANGES FROM THE ENGINEER. THE CONTRACTOR SHALL COORDINATE HIS WORK SCHEDULE WITH THE ENGINEER AND WITH REPRESENTATIVES OF THE HEALTH DEPARTMENT IN ORDER THAT APPROPRIATE AND TIMELY INSPECTIONS OF THE CONSTRUCTION WORK CAN BE MADE.

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