PART 6 - STANDARD DESIGN AND CALCULATION

6.7 WASTEWATER TREATMENT PLANT DATA SHEET

Name of Municipality or County Sewer District _____

Name of Project _____

Original Lot and Tract No. _____

Name of Engineer or Firm preparing plans _____

Address _____

Name and Address of Municipal or County Official to whom plan approval should be sent:

_____

SITE:

(a) Subject to flooding Yes _____ No _____ If yes, what measures will be taken to protect mechanical equipment?

_____

(b) Distance to nearest dwelling _____

Design period _____ First phase _____

Ultimate _____

Average daily design hydraulic flow (ADDF) _____ gpd _____

Design BOD_5 loading: _____ lbs. BOD_5/day _____

TYPE WASTE TO BE TREATED:

___ (a) Sanitary

___ (b) Combined (sanitary and storm)

___ (c) Industrial

Source of industrial waste _____

Plant influent pumping station: Yes _____ No_____, number of pumps , type of pumps, influent pumping rate (IPR) _____ gal/min (with largest pump out of service).

Will pass 3" sphere: Yes _____ No _____ .

Operating conditions _____ gpm @ _____ TDH, maximum allowable speed _____ rpm.

PRETREATMENT DEVICES:

Trash trap: Yes _____ No _____ Capacity _____ gal.

Comminutor with bar screen bypass: Yes _____ No _____

Other _____

Design capacity of comminutor _____ gal/min.

Method of flow division where parallel aeration unit arrangements are planned. Describe:

_____

Are inlet and outlets for each tank provided with valves, gates, stop-planks, weirs or other devices to permit flexibility in controlling the flow to any unit to maintain a reasonably constant water level and to permit cleaning of individual units?

Yes _____ No _____ N/A _____

Describe method of scum removal and disposal:

_____

_____

_____

Describe method and frequency of sludge removal and method and location of sludge disposal:

_____

_____

_____

Are baffles to be provided at the inlet and within six inches (6) of the outlet to prevent turbulence and short circuiting?

Yes _____ No _____

Does each sludge hopper have an individually valved withdrawal line?

Yes _____ No _____ N/A _____

(a) Minimum diameter of withdrawal is _____ inches.

(b) Head for sludge withdrawal is _____ feet.

(c) The side walls of the hopper(s) will have a minimum slope of

vertical to _____ horizontal. N/A _____

A mechanical sludge collecting device will be installed:

Yes _____ No _____ If yes, type _____

Froth control equipment will be installed: Yes _____ No _____

Hosing facilities for routine flushing of walls and walkways will be installed:

Yes _____ No _____

Sludge handling facilities will be installed: Yes _____ No _____

What mode of advanced treatment or effluent disposal is to be installed?

_____

_____

What type of disinfection process will be employed:

Chlorination _____Ozone _____ Other_____

If other, describe: _____

_____

If chlorination is to be used, in what form will it be?

gas _____ powder _____ tablet _____

Describe provision for cleaning tanks and for maintaining adequate disinfection during cleaning operations:

_____

_____

_____

What type of flow measurement device, if any, will be installed?

Describe: _____

_____

What laboratory facilities or other types of monitoring equipment will be provided: Describe:

_____

_____

What type of high water alarms, if any, are provided? Describe:

_____

_____

What is the estimated cost of the above proposed wastewater treatment facility? $ _____

Will a certified operator be employed to use the proposed treatment works?

Yes _____ No _____ If yes, will the operator be:

Full-time _____ Part-time _____ What grade level _____

What provision, if any, will be made to provide standby power for electrical equipment? Describe:

_____

_____

_____

_____

_____