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 BOD₅ loading: __________ lbs. BOD₅/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:
______________________________________________________________________________
______________________________________________________________________________
______________________________________________________________________________
______________________________________________________________________________
______________________________________________________________________________