



- 5 **Oxidation Ditches** - these structures are designed to biologically treat sewage and have a capacity to process approximately 12 million gallons per day. Each Oxidation Ditch consists of two zones, one anoxic and the other aerobic. In the anoxic zone the raw sewage, that has had the screenings and grit removed, enters the treatment process. In the anoxic zone the wastewater flow is not aerated and the microprograms must rely on molecular sources for oxygen, such as nitrate and phosphate compounds. In the aerobic zone the wastewater flow is aerated using six surface aerators; these aerators computer controlled to maintain an acceptable level of oxygen for high quality of treatment. The discharge from the Oxidation Ditches flows to the clarifiers.