

## **Andelina Farms Waste Water Treatment Plant**

### **Narrative / Facility History**

May 30, 2018

Andelina Farms is a proposed Planned Unit Development located in Section 2 of Saline Township, Washtenaw County to be constructed in phases. The development consists of 158 single family and 126 multifamily homes. The development will be served by an on-site water supply system and an onsite wastewater treatment plant with surface water discharge. The water supply system will consist of waters wells, well house and appurtenances and a distribution system servicing the 284 residential sites. The water supply system is regulated under Act 399, PA of 1976, the Safe Drinking Water Act.

Domestic wastewater from the residential sites is collected in a sanitary sewer system servicing all sites in the development. Sewage is transported via gravity sewers to the wastewater treatment plant. The proposed average flow is 78,000 gallons per day.

The wastewater treatment plant is proposed to be an extended air aeration process consisting of an influent pump station, screen, equalization tanks, aeration tanks, secondary clarifier, and ultra violet disinfection. Coagulant addition is proposed to aid in phosphorous removal. The wastewater will be pumped to the outfall location.

The WWTP for all phases is proposed to be constructed during the first phase of the development.