

Crosby Utilities – Baywood Forest/Cottonwood (Wastewater) Facility Information:

Wastewater System: NPDES# NC0065706

Ashe County, NC

~290 Service connections

Assets: Extended Aeration Treatment Plant: Single-Train Aeration, Duplex Clarifiers, and Tertiary sand filter, Chlorination and Dechlorination for disinfection

Collection System: 8-inch mains, 2 lift stations

Description of need:

Baywood Forest is a purchase water system located in Yancey County. Water is purchased by Town of Ocean Isle who turns in purchases water from Ashe County. Baywood Forest/Cottonwood system uses a 6” metered connection. Individual connections are not metered, and customers pay a flat monthly rate. The system does not have active telemetry on this site. The collection system

Proposed Improvements:

In order to ensure the longevity and performance of the Baywood Forest Wastewater System, Red Bird Water Utility Operating Company plans to make improvements to the system. In order to ensure that operations can effectively respond to abnormal operating conditions and ensure proper operations, These improvements will ensure the system can provide safe and reliable service to customers and will bring the facilities into a maintainable condition moving forward.

ITEM	DESCRIPTION	QUAN.	UNIT	UNIT PRICE	TOTAL
1	Purchase 30 kW Portable Diesel Generator for Use at Lift Station 2	1	LS	\$ 31,000	\$ 31,000
3	Install 40 kW Standby Generator at Lift Station 1	1	LS	\$ 33,800	\$ 33,800
4	Replace Pump Guide Rails at Lift Station 1	1	LS	\$ 2,000	\$ 2,000
5	Replace Valve Vault Drain at Lift Station 1	1	LS	\$ 2,500	\$ 2,500
6	Install Hoist for Trash Basket Retrieval	2	LS	\$ 3,000	\$ 6,000
7	Replace Aeration and Sludge Holding Tank Diffusers and Drop Pipes	1	LS	\$ 15,000	\$ 15,000
8	Replace Electrical Equipment at Flow Equalization Tank	1	LS	\$ 20,000	\$ 20,000
9	Partial Rehabilitate and Recoat Main Aeration Tank	1	LS	\$ 50,000	\$ 50,000
CONSTRUCTION TOTAL					\$ 160,300