



**ATTACHMENT E
JANUARY 9, 2017 MINUTES**

*Town of Wadesboro Sanitary Sewer Improvements
Estimated Project Cost Summary*

| | |
|--|------------------------|
| Burns Street Pump Station and Forcemain | \$ 1,866,325.00 |
| Coffin Hoist PS Replacement | \$ 287,500.00 |
| Total Estimated Construction Cost | \$ 2,153,825.00 |
| Construction Contingency | \$216,000.00 |
| Survey | \$39,000.00 |
| Preliminary Engineering Report | \$7,500.00 |
| Environmental Report | \$5,000.00 |
| Engineering Design | \$190,000.00 |
| Construction Administration & Inspection | \$109,000.00 |
| Biological Survey | \$7,500.00 |
| Wetland Delineation (If Required) | \$8,000.00 |
| Permitting | \$2,500.00 |
| Legal Fees | \$10,000.00 |
| Bond Counsel | \$12,000.00 |
| Interim Financing | \$89,800.00 |
| Total Estimated Project Cost | \$2,850,125.00 |
| Estimated Debt Service (38 yr term @ 2.5% with 0% Grant) | \$117,054.97 |

**Sanitary Sewer Improvements for the Town of Wadesboro
Burns Street Pump Station Discharge Relocation**

| Description | Quantity | Unit Price | Extended Price |
|--|-----------|---------------|------------------------|
| 18" SDR 35 PVC Gravity Sewer | 350 LF | 95.00 | \$ 33,250.00 |
| 15" SDR 35 PVC Gravity Sewer | 800 LF | \$ 80.00 | \$ 64,000.00 |
| 15" DI Gravity Sewer | 200 LF | \$ 150.00 | \$ 30,000.00 |
| 5' Diameter Manhole | 6 EA | \$ 3,200.00 | \$ 19,200.00 |
| 12" SDR 21 PVC Forcemain | 10,500 LF | \$ 50.00 | \$ 525,000.00 |
| 12" (I.D.) HDPE Forcemain Installed by Bore & Jack | 500 lf | \$ 320.00 | \$ 160,000.00 |
| 12" CL 250 DI Forcemain | 1,800 LF | \$ 70.00 | \$ 126,000.00 |
| 12" Gate Valve | 5 EA | \$ 2,500.00 | \$ 12,500.00 |
| 12" DI Bend | 20 EA | \$ 650.00 | \$ 13,000.00 |
| 30" Steel Casing Installed by Bore & Jack | 65 LF | \$ 375.00 | \$ 24,375.00 |
| 24" Steel Casing Installed by Bore & Jack | 200 LF | \$ 285.00 | \$ 57,000.00 |
| Air Release Valve in Manhole | 6 EA | \$ 4,500.00 | \$ 27,000.00 |
| Combination Air/Vacuum Relief Valve in Manhole | 2 EA | \$ 4,750.00 | \$ 9,500.00 |
| Triplex Series Above Ground Pump Station (75 Hp) - Includes Wet Well, Enclosure, New Pump, Relocation of Existing Pumps, Site Work, Surge Relief, Flow Meter, Bypass Pump Connection, and Electrical | 1 LS | \$ 575,000.00 | \$ 575,000.00 |
| Onsite Standby Generator | 1 LS | \$ 85,000.00 | \$ 85,000.00 |
| Pump Station SCADA | 1 LS | \$ 15,000.00 | \$ 15,000.00 |
| Connect 18" Gravity Sewer to Meter Station Structure | 1 LS | \$ 3,500.00 | \$ 3,500.00 |
| Gravel for Driveway Repair | 700 TN | \$ 25.00 | \$ 17,500.00 |
| Asphalt Driveway Repair | 350 SY | \$ 50.00 | \$ 17,500.00 |
| Concrete Driveway Repair | 250 SY | \$ 85.00 | \$ 21,250.00 |
| Open Cut & Patch Town Street | 300 SY | \$ 65.00 | \$ 19,500.00 |
| Clear & Grub | 2.5 AC | \$ 5,000.00 | \$ 12,500.00 |
| Seed, Mulch, & Erosion Control | 8.00 AC | \$ 4,000.00 | \$ 32,000.00 |
| Estimated Construction Cost | | | \$ 1,866,325.00 |

**Sanitary Sewer Improvements for the Town of Wadesboro
Coffin Hoist Pump Station Replacement**

| Description | Quantity | | Unit Price | Extended Price |
|---|----------|----|---------------|----------------------|
| On-Site Sanitary Sewer | 1 | LS | \$ 10,000.00 | \$ 10,000.00 |
| Duplex Above Ground Pump Station - Includes Wet Well, Enclosure, Site Work, Flow Meter, Bypasss Pump Connection, and Electrical | 1 | LS | \$ 185,000.00 | \$ 185,000.00 |
| Onsite Standby Generator | 1 | LS | \$ 45,000.00 | \$ 45,000.00 |
| Pump Station SCADA | 1 | LS | \$ 15,000.00 | \$ 15,000.00 |
| Comminutor | 1 | LS | \$ 30,000.00 | \$ 30,000.00 |
| Seed, Mulch, & Erosion Control | 1 | LS | \$ 2,500.00 | \$ 2,500.00 |
| Estimated Construction Cost | | | | \$ 287,500.00 |