

| ITB # 201922 - Parks & City Yards Utilities | | | | A&M Concrete Sterling, VA | | General Excavation Warrenton, VA | |
|---|--|--------------------|------|------------------------------|---------------|-------------------------------------|---------------|
| ITEM NO. | DESCRIPTION | ESTIMATED QUANTITY | UNIT | UNIT COST | TOTAL COST | UNIT COST | TOTAL COST |
| Mobilization | | | | | | | |
| 1 | Mobilization (Maximum of 3% of Total Price) | 1 | LS | \$ 114,500.00 | \$ 114,500.00 | \$ 58,000.00 | \$ 58,000.00 |
| Surveying | | | | | | | |
| 2 | Surveying/Project Layout | 1 | LS | \$ 25,000.00 | \$ 25,000.00 | \$ 75,000.00 | \$ 75,000.00 |
| 3 | As-built Drawings | 1 | LS | \$ 7,500.00 | \$ 7,500.00 | \$ 10,000.00 | \$ 10,000.00 |
| Demolition/Removal | | | | | | | |
| 4 | Clearing & Grubbing | 1 | LS | \$ 55,000.00 | \$ 55,000.00 | \$ 30,000.00 | \$ 30,000.00 |
| 5 | Asphalt Milling (per 2" depth) [VDOT Section 315], Includes Disposal | 700 | SY | \$ 50.00 | \$ 35,000.00 | \$ 5.00 | \$ 3,500.00 |
| Erosion and Sediment Control | | | | | | | |
| 6 | Erosion and Sediment Control | 1 | LS | \$ 62,500.00 | \$ 62,500.00 | \$ 25,000.00 | \$ 25,000.00 |
| Maintenance of Traffic | | | | | | | |
| 7 | Maintenance of Traffic | 1 | LS | \$ 40,000.00 | \$ 40,000.00 | \$ 50,000.00 | \$ 50,000.00 |
| Street Improvements | | | | | | | |
| 8 | Asphalt Concrete Surface Course, SM-9.5 AL [VDOT Section 315] | 80 | TON | \$ 275.00 | \$ 22,000.00 | \$ 210.00 | \$ 16,800.00 |
| Rock | | | | | | | |
| 9 | Rock Excavation, Includes Disposal | 2,000 | CY | \$ 450.00 | \$ 900,000.00 | \$ 150.00 | \$ 300,000.00 |
| Storm Drainage | | | | | | | |
| 10 | Storm Drain Pipe, Class IV RCP, 15-inch | 650 | LF | \$ 350.00 | \$ 227,500.00 | \$ 110.00 | \$ 71,500.00 |
| 11 | Storm Drain Pipe, Class IV RCP, 18-inch | 130 | LF | \$ 375.00 | \$ 48,750.00 | \$ 200.00 | \$ 26,000.00 |
| 12 | Storm Drain Pipe, Class IV RCP, 24-inch | 240 | LF | \$ 475.00 | \$ 114,000.00 | \$ 208.00 | \$ 49,920.00 |
| 13 | Storm Drain Pipe, Class IV RCEP, 23x14-inch | 130 | LF | \$ 575.00 | \$ 74,750.00 | \$ 185.00 | \$ 24,050.00 |
| 14 | Storm Drain Pipe, Class IV RCEP, 30x19-inch | 40 | LF | \$ 500.00 | \$ 20,000.00 | \$ 260.00 | \$ 10,400.00 |
| 15 | Storm Sewer Structure A – 24" ES-1 | 1 | EA | \$ 1,500.00 | \$ 1,500.00 | \$ 1,300.00 | \$ 1,300.00 |
| 16 | Storm Sewer Structure A1 – MH-1 | 1 | EA | \$ 6,500.00 | \$ 6,500.00 | \$ 6,600.00 | \$ 6,600.00 |
| 17 | Storm Sewer Structure A2 – DI-3B, L=6' | 1 | EA | \$ 6,800.00 | \$ 6,800.00 | \$ 6,000.00 | \$ 6,000.00 |
| 18 | Storm Sewer Structure A3 – DI-3B, L=12' | 1 | EA | \$ 7,800.00 | \$ 7,800.00 | \$ 7,000.00 | \$ 7,000.00 |
| 19 | Storm Sewer Structure A4 – DI-3B, L=8' | 1 | EA | \$ 7,000.00 | \$ 7,000.00 | \$ 6,200.00 | \$ 6,200.00 |
| 20 | Storm Sewer Structure B1 – DI-3B, L=8' | 1 | EA | \$ 7,200.00 | \$ 7,200.00 | \$ 6,350.00 | \$ 6,350.00 |
| 21 | Storm Sewer Structure B1a – DI-3B, L=12' | 1 | EA | \$ 8,800.00 | \$ 8,800.00 | \$ 8,000.00 | \$ 8,000.00 |
| 22 | Storm Sewer Structure B2 – DI-1 | 1 | EA | \$ 6,000.00 | \$ 6,000.00 | \$ 5,110.00 | \$ 5,110.00 |
| 23 | Storm Sewer Structure C – MH-1 | 1 | EA | \$ 20,500.00 | \$ 20,500.00 | \$ 7,400.00 | \$ 7,400.00 |
| 24 | Storm Sewer Structure C1 – DI-7 | 1 | EA | \$ 12,000.00 | \$ 12,000.00 | \$ 7,200.00 | \$ 7,200.00 |
| 25 | Storm Sewer Structure C2 – DI-7 | 1 | EA | \$ 10,500.00 | \$ 10,500.00 | \$ 6,200.00 | \$ 6,200.00 |
| 26 | Storm Sewer Structure D1 – DI-3B, L=6' | 1 | EA | \$ 6,800.00 | \$ 6,800.00 | \$ 6,000.00 | \$ 6,000.00 |
| 27 | Storm Sewer Structure D2 – DI-3B, L=6' | 1 | EA | \$ 6,800.00 | \$ 6,800.00 | \$ 5,900.00 | \$ 5,900.00 |
| 28 | Storm Sewer Structure E1 – DI-3B, L=12' | 1 | EA | \$ 7,600.00 | \$ 7,600.00 | \$ 6,900.00 | \$ 6,900.00 |
| 29 | Storm Sewer Structure M1 – DI-1 | 1 | EA | \$ 6,000.00 | \$ 6,000.00 | \$ 4,900.00 | \$ 4,900.00 |
| 30 | Storm Sewer Structure N1 – DI-3B, L=8' | 1 | EA | \$ 7,600.00 | \$ 7,600.00 | \$ 6,800.00 | \$ 6,800.00 |
| 31 | Storm Sewer Structure N2 – DI-3B, L=12' | 1 | EA | \$ 8,600.00 | \$ 8,600.00 | \$ 7,900.00 | \$ 7,900.00 |
| 32 | Storm Sewer Structure O – DI-1 | 1 | EA | \$ 6,500.00 | \$ 6,500.00 | \$ 12,300.00 | \$ 12,300.00 |
| 33 | Connect to Existing Storm Sewer Structure E and Adjust Top | 1 | EA | \$ 4,800.00 | \$ 4,800.00 | \$ 2,900.00 | \$ 2,900.00 |
| 34 | Connect to Town Run at Location M | 1 | EA | \$ 15,000.00 | \$ 15,000.00 | \$ 2,650.00 | \$ 2,650.00 |
| 35 | Connect to Town Run at Location N | 1 | EA | \$ 15,000.00 | \$ 15,000.00 | \$ 2,650.00 | \$ 2,650.00 |
| 36 | Storm Sewer Manhole Frame & Cover | 2 | EA | \$ 800.00 | \$ 1,600.00 | \$ 1,000.00 | \$ 2,000.00 |

| Water System | | | | | | | |
|-----------------------|---|-------|----|--------------|------------------------|--------------|------------------------|
| 37 | Water Main Installation, 6" Ductile Iron | 250 | LF | \$ 370.00 | \$ 92,500.00 | \$ 130.00 | \$ 32,500.00 |
| 38 | Water Main Installation, 8" Ductile Iron | 2800 | LF | \$ 360.00 | \$ 1,008,000.00 | \$ 185.00 | \$ 518,000.00 |
| 39 | Gate Valve and Box, 6" | 11 | EA | \$ 1,500.00 | \$ 16,500.00 | \$ 1,800.00 | \$ 19,800.00 |
| 40 | Gate Valve and Box, 8" | 10 | EA | \$ 2,000.00 | \$ 20,000.00 | \$ 2,400.00 | \$ 24,000.00 |
| 41 | Wet Tap, ¾-inch | 2 | EA | \$ 2,500.00 | \$ 5,000.00 | \$ 750.00 | \$ 1,500.00 |
| 42 | Wet Tap, 2-inch | 2 | EA | \$ 3,000.00 | \$ 6,000.00 | \$ 1,800.00 | \$ 3,600.00 |
| 43 | Wet Tap, 4-inch | 1 | EA | \$ 9,800.00 | \$ 9,800.00 | \$ 1,000.00 | \$ 1,000.00 |
| 44 | Wet Tap, 8-inch on 12" main | 1 | EA | \$ 11,500.00 | \$ 11,500.00 | \$ 6,000.00 | \$ 6,000.00 |
| 45 | Water Service Line, ¾-inch Copper | 180 | LF | \$ 75.00 | \$ 13,500.00 | \$ 20.00 | \$ 3,600.00 |
| 46 | Water Service Line, 2-inch Poly | 80 | LF | \$ 95.00 | \$ 7,600.00 | \$ 40.00 | \$ 3,200.00 |
| 47 | Water Service Line, 4-inch Poly | 40 | LF | \$ 275.00 | \$ 11,000.00 | \$ 100.00 | \$ 4,000.00 |
| 48 | Water Meter Assembly, ¾-inch | 2 | EA | \$ 1,200.00 | \$ 2,400.00 | \$ 800.00 | \$ 1,600.00 |
| 49 | Water Meter Assembly, 2-inch | 2 | EA | \$ 9,200.00 | \$ 18,400.00 | \$ 6,000.00 | \$ 12,000.00 |
| 50 | Water Meter Assembly, 4-inch | 1 | EA | \$ 25,000.00 | \$ 25,000.00 | \$ 21,000.00 | \$ 21,000.00 |
| 51 | Fire Hydrant Assembly | 9 | EA | \$ 7,500.00 | \$ 67,500.00 | \$ 3,800.00 | \$ 34,200.00 |
| 52 | Remove Existing Fire Hydrant | 2 | EA | \$ 1,800.00 | \$ 3,600.00 | \$ 1,200.00 | \$ 2,400.00 |
| Sanitary Sewer System | | | | | | | |
| 53 | Replace Existing Sanitary Sewer Manhole, MX2 | 1 | EA | \$ 16,500.00 | \$ 16,500.00 | \$ 10,000.00 | \$ 10,000.00 |
| 54 | Sanitary Sewer Manhole Frame & Cover | 5 | EA | \$ 800.00 | \$ 4,000.00 | \$ 1,000.00 | \$ 5,000.00 |
| 55 | Sanitary Sewer Lateral, 4" SDR 26 PVC | 130 | LF | \$ 275.00 | \$ 35,750.00 | \$ 130.00 | \$ 16,900.00 |
| 56 | Sanitary Sewer Lateral, 6" SDR 26 PVC | 90 | LF | \$ 280.00 | \$ 25,200.00 | \$ 150.00 | \$ 13,500.00 |
| 57 | Sanitary Sewer Main Installation, 8" PVC | 1,050 | LF | \$ 400.00 | \$ 420,000.00 | \$ 260.00 | \$ 273,000.00 |
| 58 | New Sanitary Sewer Manhole | 5 | EA | \$ 9,800.00 | \$ 49,000.00 | \$ 5,000.00 | \$ 25,000.00 |
| Concrete Collars | | | | | | | |
| 59 | New Manhole Frame & Cover and Install Concrete Collar Around Manholes | 3 | EA | \$ 2,400.00 | \$ 7,200.00 | \$ 2,000.00 | \$ 6,000.00 |
| 60 | Raise Manhole Frame & Cover and Install Concrete Collar around Manholes | 5 | EA | \$ 4,200.00 | \$ 21,000.00 | \$ 1,700.00 | \$ 8,500.00 |
| | | | | TOTAL | \$ 3,824,350.00 | TOTAL | \$ 1,924,730.00 |