

DETAILED COST: BASE BID, DIVISION 01 - GENERAL REQUIREMENTS

PROJECT NAME: **Drinking Water Reservoir Replacement**

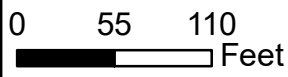
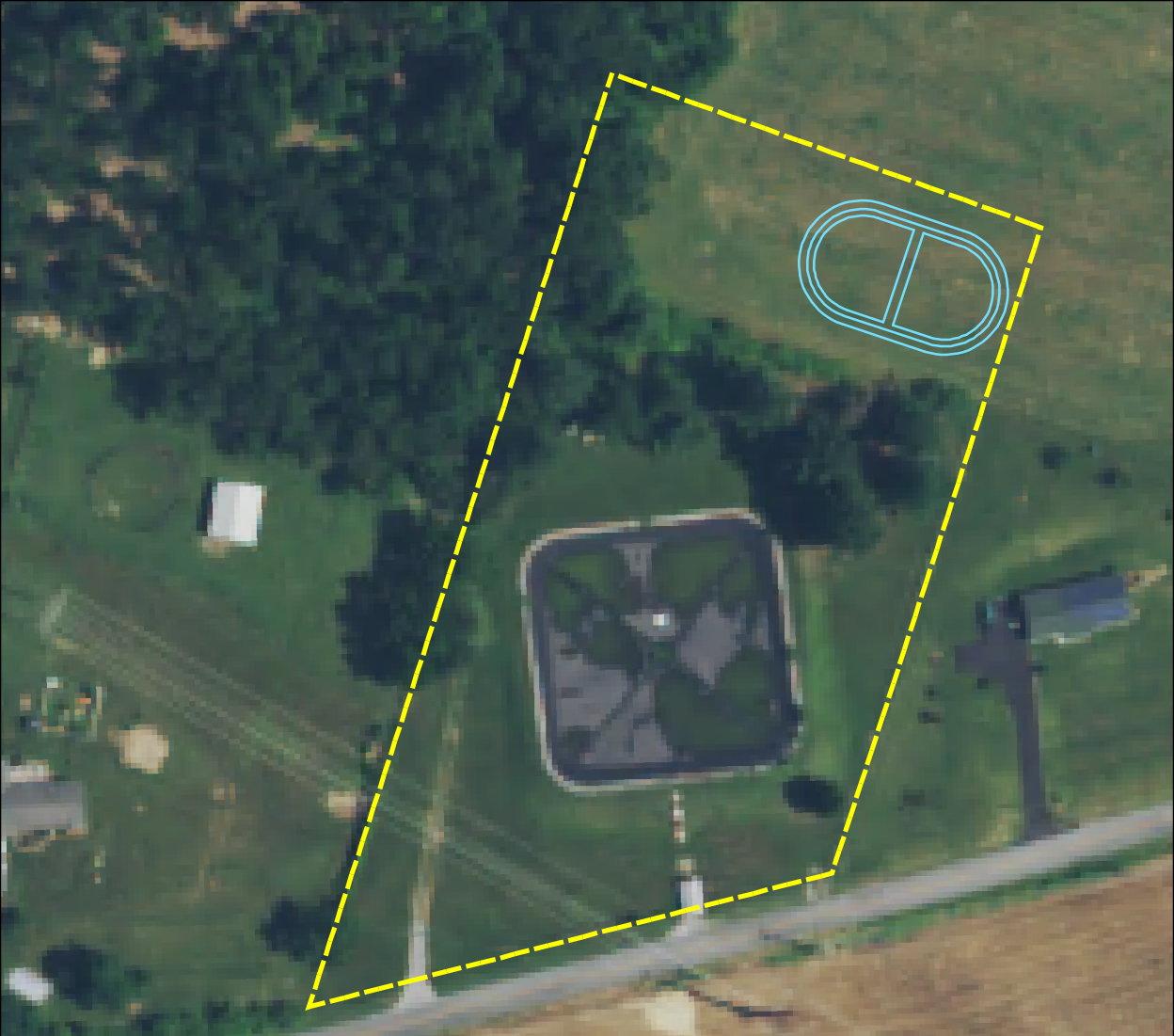
CLIENT: **Town of Boonsboro** ESTIMATED BY: **JRL**

PROJECT LOCATION: **Boonsboro, MD**

DESIGN SUBMISSION: **Preliminary** WORK ORDER NUMBER: **14421.004**



| SOURCE | ITEM DESCRIPTION | QUANTITY | UNIT OF MEASURE | UNIT COSTS | | | TOTAL COSTS | | | TOTAL |
|---|---|----------|-----------------|-----------------|----------|-----------|--------------|------------|------------|--------------|
| | | | | MATERIAL | LABOR | EQUIPMENT | MATERIAL | LABOR | EQUIPMENT | |
| Sitework - D115 Tendon-Prestressed Concrete Tank | | | | | | | | | | |
| DEMOLITION | | | | | | | | | | |
| Costworks | Initial Grading (Excavation+Hauling) | 6400 | CY | \$ - | \$ 4.58 | \$ 7.92 | \$ - | \$ 29,312 | \$ 50,688 | \$ 80,000 |
| * | Existing Reservoir Demo | 1010 | CY | \$ - | \$ 26.50 | \$ 5.95 | \$ - | \$ 26,765 | \$ 6,010 | \$ 32,775 |
| * | Existing Reservoir Backfill | 12788 | CY | \$ - | \$ 0.57 | \$ 1.53 | \$ - | \$ 7,289 | \$ 19,566 | \$ 26,855 |
| | | | | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| NEW WORK | | | | | | | | | | |
| Recent projects | Site Piping (12" DIP) | 1500 | LF | \$ 135.00 | \$ 15.00 | \$ 5.00 | \$ 202,500 | \$ 22,500 | \$ 7,500 | \$ 232,500 |
| Costworks | Fencing | 2400 | LF | \$ 15.50 | \$ 3.26 | \$ - | \$ 37,200 | \$ 7,824 | \$ - | \$ 45,024 |
| * | Altitude Valve + Vault | 2 | LS | \$ 25,000.00 | \$ - | \$ - | \$ 50,000 | \$ - | \$ - | \$ 50,000 |
| Recent projects | Transmission Main Pipe Replacement (12" DIP) | 1400 | LF | \$ 135.00 | \$ 15.00 | \$ 5.00 | \$ 189,000 | \$ 21,000 | \$ 7,000 | \$ 217,000 |
| | | | | | | | | | | |
| | SUBTOTAL DIRECT COSTS | | | | | | \$ 478,700 | \$ 114,690 | \$ 90,763 | \$ 684,153 |
| | SUBCONTRACTOR MARKUP | 20% | | | | | \$ 95,740 | \$ 22,938 | \$ 18,153 | \$ 136,831 |
| | SUBTOTAL | | | | | | \$ 574,440 | \$ 137,628 | \$ 108,916 | \$ 820,984 |
| | PRIME CONTRACTOR MARKUP | 20% | | | | | \$ 114,888 | \$ 27,526 | \$ 21,783 | \$ 164,197 |
| | BASE COSTS | | | | | | \$ 689,328 | \$ 165,154 | \$ 130,699 | \$ 985,181 |
| D115 Tendon-Prestressed Concrete Tank | | | | | | | | | | |
| NEW WORK | | | | | | | | | | |
| Dutchland | One 1,000,000 Gal, Multi-Basin Elliptical Tank | 1 | LS | \$ 1,650,000.00 | \$ - | \$ - | \$ 1,650,000 | \$ - | \$ - | \$ 1,650,000 |
| | | | | | | | | | | |
| | SUBTOTAL DIRECT COSTS | | | | | | \$ 2,128,700 | \$ 114,690 | \$ 90,763 | \$ 2,334,153 |
| | SUBCONTRACTOR MARKUP | 20% | | | | | \$ 425,740 | \$ 22,938 | \$ 18,153 | \$ 466,831 |
| | SUBTOTAL | | | | | | \$ 2,554,440 | \$ 137,628 | \$ 108,916 | \$ 2,800,984 |
| | PRIME CONTRACTOR MARKUP | 20% | | | | | \$ 510,888 | \$ 27,526 | \$ 21,783 | \$ 560,197 |
| | TOTAL COSTS - POST-TENSIONED CONCRETE TANK | | | | | | \$ 3,065,328 | \$ 165,154 | \$ 130,699 | \$ 3,361,181 |



Elliptical Tank (29-Ft ID x 25-Ft H)
3-Ft Concrete Walls (Assumed)
5-Ft Pathway Around Tanks