

Table 1. Culvert Installation & Removal Summary

| Tier | ID | Crossing* | Diam. (in) | Length (ft) | Design |
|------|-----|-----------|---------------------|-------------|--------|
| 1 | N3 | X | 18 | 20 | TYPE 1 |
| 1 | N4 | X | 18 | 20 | TYPE 1 |
| 1 | N5 | X | 18 | 20 | TYPE 1 |
| 1 | N8 | Ns | 24 | 30 | TYPE 2 |
| 1 | N12 | Ns | 24 | 25 | TYPE 2 |
| 1 | N13 | Ns | 30 | 60 | TYPE 3 |
| 1 | N14 | Ns | 30 | 45 | TYPE 2 |
| 1 | N15 | Ns | 30 | 60 | TYPE 3 |
| 1 | S6 | Ns | 24 | 20 | TYPE 2 |
| 1 | S7 | Ns | 24 | 20 | TYPE 2 |
| 1 | S8 | Ns | 24 | 20 | TYPE 2 |
| 1 | S9 | Ns | 24 | 20 | TYPE 2 |
| 1 | S10 | Ns | 24 | 20 | TYPE 2 |
| 2 | N21 | Ns | 24 | 30 | TYPE 2 |
| 2 | N23 | Ns | 24 | 20 | TYPE 2 |
| 2 | N25 | Ns | 18 | 20 | TYPE 2 |
| 2 | N30 | Ns | Eliminate culvert** | | |
| 2 | S1 | X | 18 | 30 | TYPE 1 |
| 2 | S3 | Ns | 18 | 30 | TYPE 2 |
| 2 | S11 | Ns | 18 | 20 | TYPE 2 |

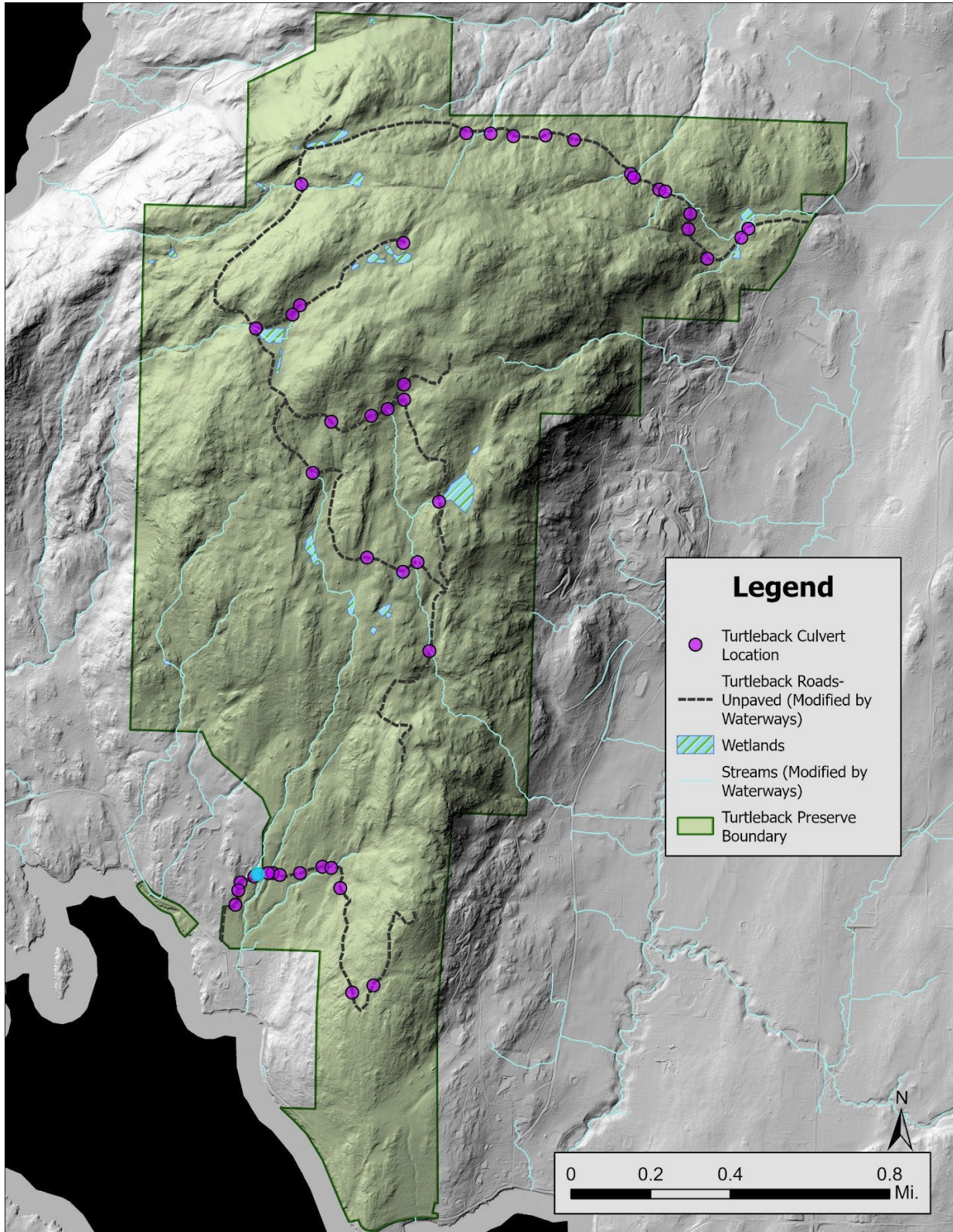
*X = relief culvert/no stream, Ns = Non fish-bearing, seasonal stream.

**Contractor to remove culvert and to place up to four 3-4' diameter boulders to serve as pedestrian trail crossing

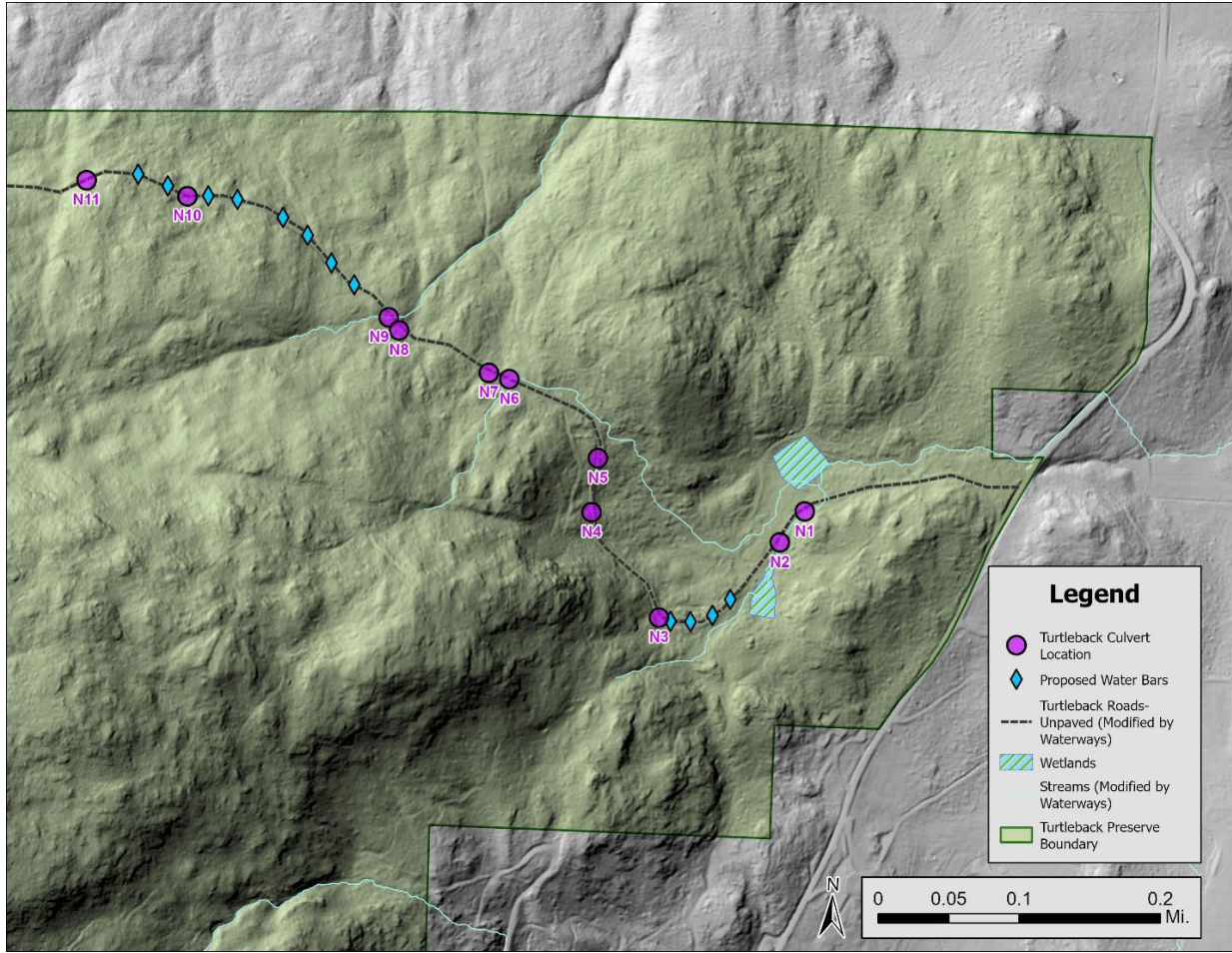
Table 2. Summary of Contractor-Provided Culverts

| Tier | Diam. (in) | Length (ft) |
|------|------------|-------------|
| 1 | 18 | 60 |
| 1 | 24 | 155 |
| 1 | 30 | 165 |
| 2 | 18 | 100 |
| 2 | 24 | 50 |

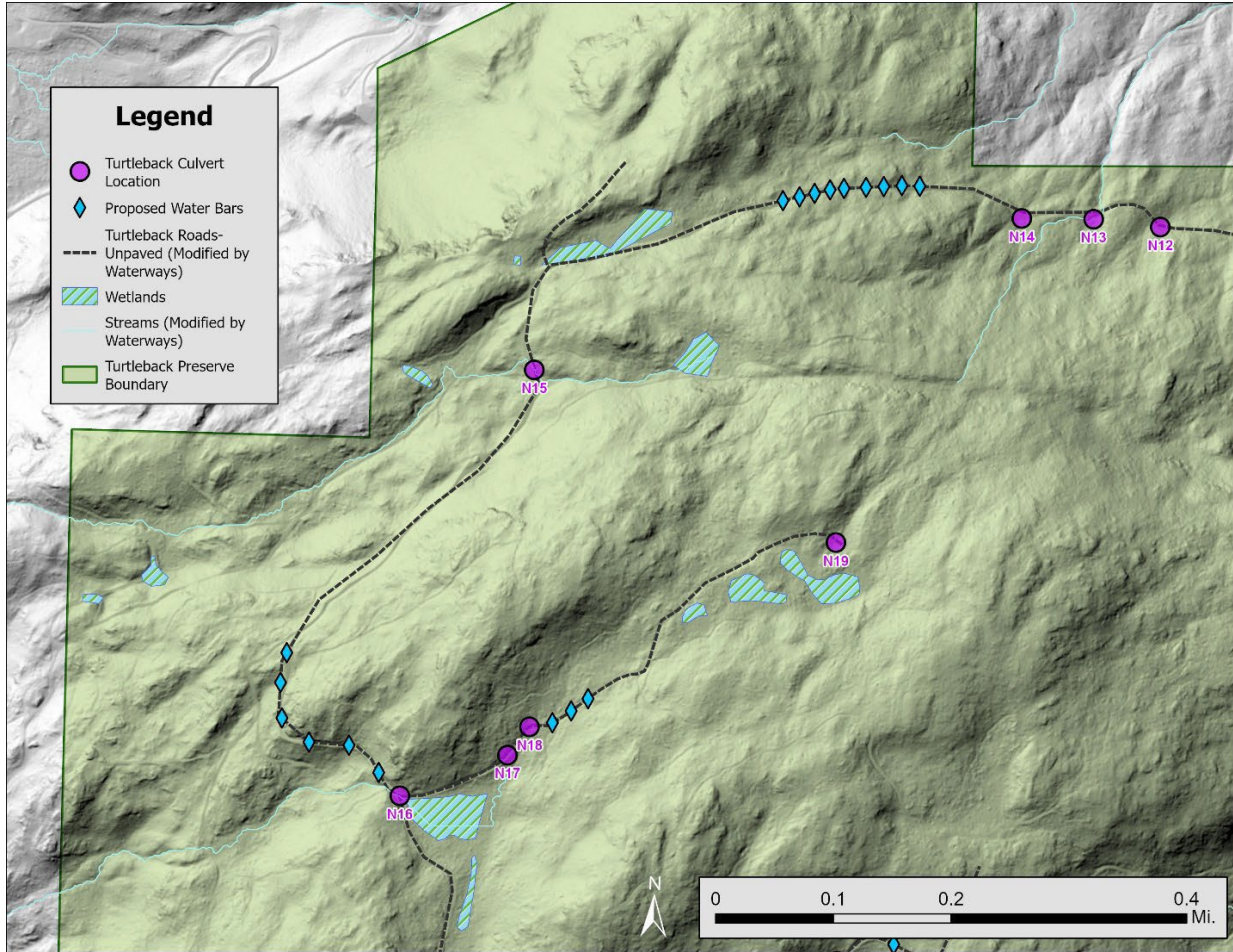
Map 1. Site Overview – Only a portion of the culverts shown are included in this project.



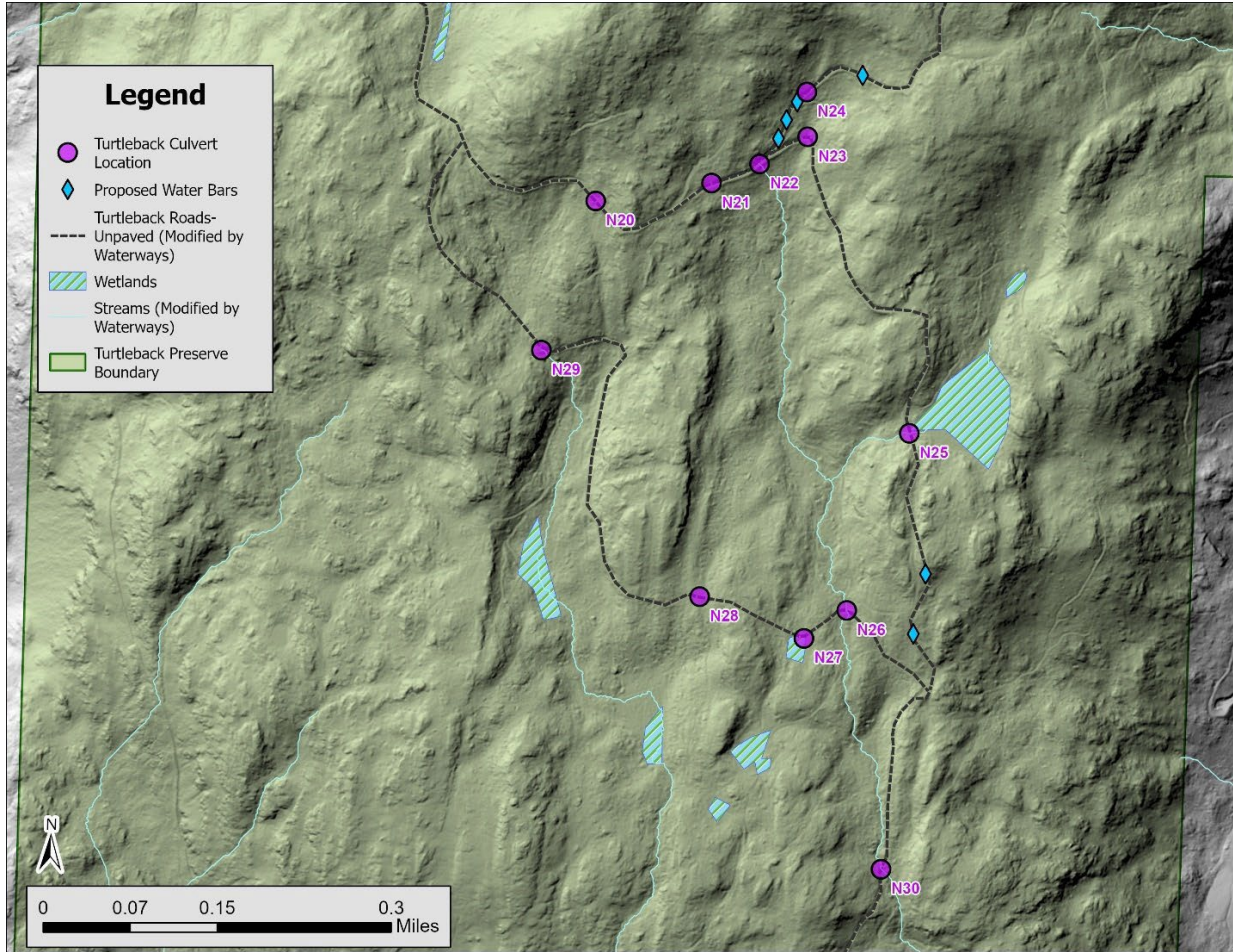
Map 2. Northeast Zone – The following culverts have been identified for installation and/or replacement: N3, N4, N5, N8.



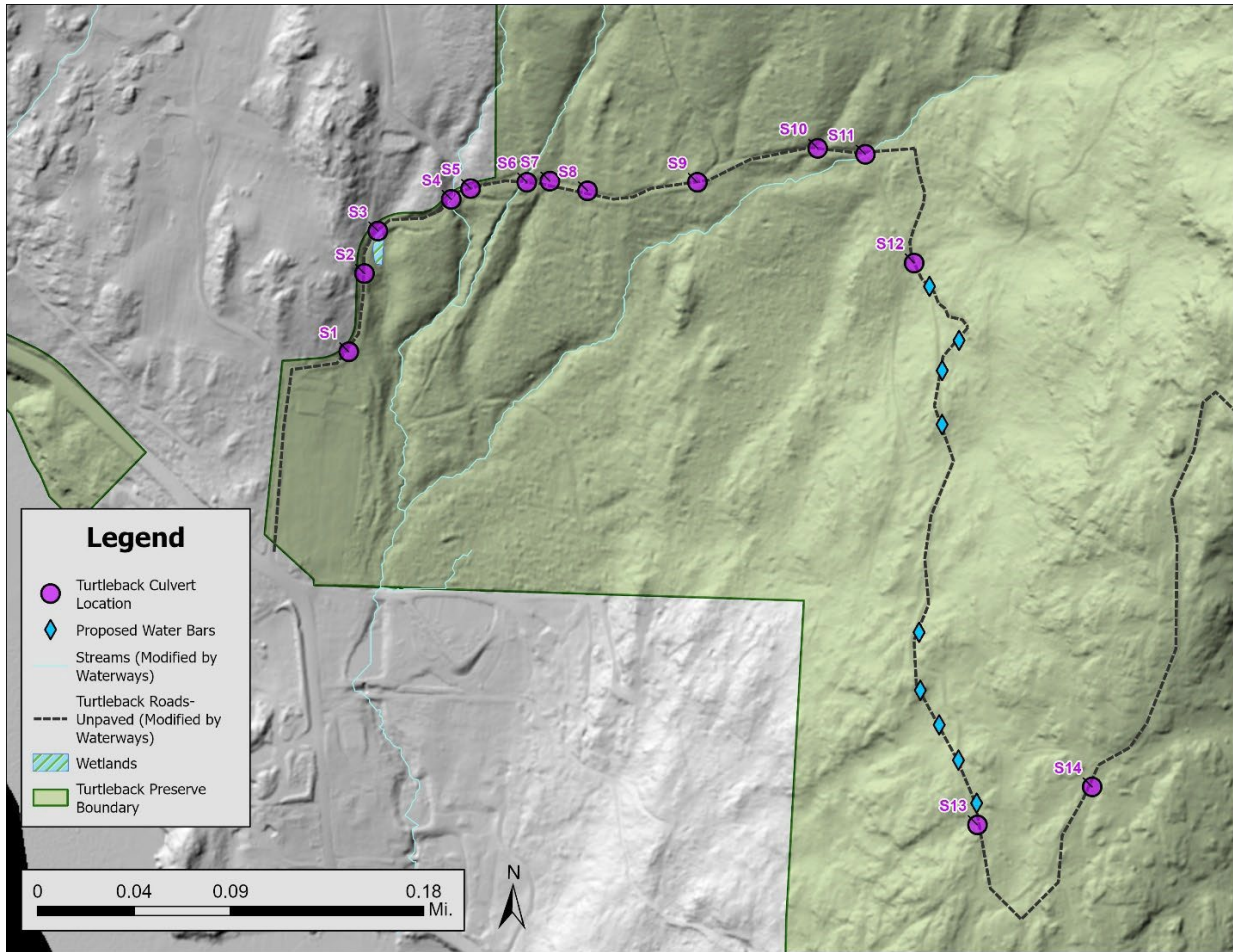
Map 3. Northwest Zone – The following culverts have been identified for installation and/or replacement: N12, N13, N14, N15.



Map 4. Central Zone – The following culverts have been identified for installation, replacement or removal: N21, N23, N25, N30



Map 5. Southern Zone – The following culverts have been identified for installation and/or replacement: S1, S3, S6, S7, S8, S9, S10, S11



Fee Schedule

Contract Total Not to Exceed \$149,968

| Tier | Item | Description | Quantity | Unit | Unit cost | Subtotal |
|--------------------------------------|------|---|----------|-------|-----------|------------------|
| 1 | 1 | MOBILIZATION | 1 | 1 | N/A | \$18,000 |
| 1 | 2 | REMOVAL OF STRUCTURES AND OBSTRUCTIONS | 3 | EST | N/A | \$2,500 |
| 1 | 3 | PLACED ROCK FOR PIPE BEDDING | 52 | CU YD | \$100.00 | \$5,200 |
| 1 | 4 | ROCK FOR INLET/OUTLET OF CULVERTS INCLUDING PLACEMENT | 26 | CU YD | \$130.00 | \$3,380 |
| 1 | 5 | 18" CULVERT INSTALLATION | 60 | LF | \$115.00 | \$6,900 |
| 1 | 6 | 24" CULVERT INSTALLATION | 155 | LF | \$135.00 | \$20,925 |
| 1 | 7 | 30" CULVERT INSTALLATION | 165 | LF | \$180.00 | \$29,700 |
| Tier 1 Lump Sum Subtotal | | | | | | \$86,605 |
| 2 | 1 | MOBILIZATION | 1 | 1 | N/A | \$5,000 |
| 2 | 2 | REMOVAL OF STRUCTURES AND OBSTRUCTIONS | 3 | EST | N/A | \$5,000 |
| 2 | 3 | PLACED ROCK FOR PIPE BEDDING | 28 | CU YD | \$100.00 | \$2,800 |
| 2 | 4 | ROCK FOR INLET/OUTLET OF CULVERTS INCLUDING PLACEMENT | 14 | CU YD | \$130.00 | \$1,820 |
| 2 | 5 | 18" CULVERT INSTALLATION | 100 | LF | \$115.00 | \$11,500 |
| 2 | 6 | 24" CULVERT INSTALLATION | 50 | LF | \$135.00 | \$6,750 |
| Tier 2 Lump Sum Subtotal | | | | | | \$32,870 |
| 1 | 8 | CSBC INSTALLED (estimated quantity) | 20 | CU YD | \$100.00 | \$5,200 |
| 1 | 9 | ROCK BREAKING (estimated quantity) | 55 | CU YD | \$200.00 | \$10,000 |
| 2 | 7 | CSBC INSTALLED (estimated quantity) | 10 | CU YD | \$100.00 | \$2,400 |
| 2 | 8 | ROCK BREAKING (estimated quantity) | 25 | CU YD | \$200.00 | \$5,000 |
| Estimated Quantities Subtotal | | | | | | \$19,000 |
| Pretax Total | | | | | | \$138,475 |
| Sales Tax (8.3%) | | | | | | \$11,493 |
| Grand total | | | | | | \$149,968 |