

Site Landscape Improvements

| ITEM | COST | UNIT | QTY. | ITEM COST | NOTE |
|---|-------------|------|-------|--------------|---|
| Site Preparation & Erosion Control | | | | | |
| E&S Controls | \$20,000.00 | LS | 1 | \$20,000.00 | |
| VOC Clean-up | \$200.00 | TON | 200 | \$40,000.00 | |
| Patrolium Hydrocarbon Cleanup | \$60.00 | TON | 600 | \$36,000.00 | |
| Contaminated soil on-site disposal | \$65.00 | CY | 200 | \$13,000.00 | |
| Clean Fill | \$35.00 | CY | 4310 | \$150,850.00 | 24" across whole site |
| Shoreline Restoration Grading Fill | \$35.00 | CY | 1411 | \$49,385.00 | Living Shorelines |
| Rip-Rap | \$25.00 | CY | 165 | \$4,125.00 | Living Shorelines |
| Toe Protection - Coir log | \$12.00 | LF | 635 | \$7,620.00 | (2) 12" diameter, oak stakes spaced at 24" o.c. |
| Marsh creation fill | \$65.00 | CY | 134 | \$8,710.00 | 12" fill South side only |
| MiraFi S1600 | \$0.25 | SF | 82462 | \$20,615.50 | Separation fabric below the 24" clean fill |
| Site Demolition | | | | | |
| House Haz-Mat remediation | \$50,000.00 | LS | 1 | \$50,000.00 | |
| House Re-location | \$40,000.00 | LS | 1 | \$40,000.00 | |
| Demo Garage | \$20,000.00 | LS | 1 | \$20,000.00 | |
| Demo Bituminous Pavement | \$11.14 | SY | 76 | \$846.64 | |
| Demo Concrete Curb | \$6.00 | LF | 217 | \$1,302.00 | |
| Demo Granite Curb | \$6.00 | LF | 213 | \$1,278.00 | |
| Demo Concrete Sidewalk | \$18.27 | SY | 238 | \$4,348.26 | |
| Demo Flagstone Walk | \$2.00 | SF | 68 | \$136.00 | |
| Relocate / replace fire hydrant | \$10,000.00 | EA | 1 | \$10,000.00 | |
| Bituminous Cutting | \$3.21 | LF | 430 | \$1,380.30 | |
| Demo stone wall | \$20.00 | LF | 89 | \$1,780.00 | |
| Demo Wood fence | \$3.00 | LF | 588 | \$1,764.00 | |
| Misc Removal | \$10,000.00 | LS | 1 | \$10,000.00 | |
| Plant Removal | \$5,000.00 | LS | 1 | \$5,000.00 | |
| Site Furnishings | | | | | |
| Benches | \$2,500.00 | EA | 2 | \$5,000.00 | |
| Bike Rack | \$1,200.00 | EA | 4 | \$4,800.00 | |
| Trash Receptacle / Recycle | \$800.00 | EA | 4 | \$3,200.00 | |
| Site Utilities | | | | | |
| Decorative Lamp Posts | \$6,500.00 | EA | 8 | \$52,000.00 | |
| Site Lighting | \$40,000.00 | LS | 1 | \$40,000.00 | Budget estimate |
| Site Lighting & Electrical | \$20,000.00 | LS | 1 | \$20,000.00 | Budget estimate |
| Stormwater Drainage | \$18,000.00 | LS | 1 | \$18,000.00 | Budget estimate |
| Slot Drain | \$150.00 | LF | 13 | \$1,950.00 | |
| Site Hardscape | | | | | |
| Bituminous Roadway Pavement | \$4.33 | SF | 12740 | \$55,164.20 | 12" subbase, 4" Processed, 3" Bit, Grading |
| Pavement paint (historic land pattern) | \$1.50 | LF | 211 | \$316.50 | |
| Parking Striping - Stall | \$0.50 | LF | 358 | \$179.00 | 4" white lines on pavement |
| Parking Striping - HC Loading | \$0.50 | LF | 115 | \$57.50 | 4" white lines on pavement |
| Stone Retaining Wall - Decorative | \$50.00 | SFF | 56 | \$2,800.00 | stone retaining wall at back deck |
| Stone Retaining Wall | \$60.00 | SFF | 190 | \$11,400.00 | Extension of sea wall |
| Boardwalk | \$75.00 | SF | 9131 | \$684,825.00 | 20' wide |
| Floating Dock - Crew | \$40.00 | SF | 3347 | \$133,880.00 | Polystyrene flotation |
| Floating Dock - Public | \$40.00 | SF | 512 | \$20,480.00 | Polystyrene flotation |
| Dock Ramp - Crew | \$40.00 | SF | 518 | \$20,720.00 | Wood ramp connecting to dock |
| Dock Ramp - Public | \$40.00 | SF | 304 | \$12,160.00 | Wood ramp connecting to dock |
| Boat Ramp - articulated concrete block | \$25.00 | SF | 1022 | \$25,550.00 | Pre-cast Concrete, 4000 psi |
| Plaza pavers | \$30.00 | SF | 8772 | \$263,160.00 | Permeable Pavers |
| Concrete Steps | \$60.00 | LF | 146 | \$8,760.00 | 15" tread, 6" rise |
| Concrete Sidewalk | \$10.00 | SF | 4000 | \$40,000.00 | 4,000 psi, WWM |
| Parking island paving | \$25.00 | SF | 670 | \$16,750.00 | ??? |

| | | | | | |
|--|---------|----|-----|-------------|------------------------------|
| Granite Paving bands (historic land pattern) | \$25.00 | LF | 692 | \$17,300.00 | |
| Granite Curb | \$40.00 | LF | 715 | \$28,600.00 | 5" Granite, Concrete Encased |
| Gravel Border | \$3.00 | SF | 0 | \$0.00 | Around Building |

Site Improvements

| | | | | | |
|----------------------|------------|----|-----|-------------|--------------------------|
| Oyster Castles | \$150.00 | LF | 485 | \$72,750.00 | |
| Wood Screening Fence | \$100.00 | LF | 110 | \$11,000.00 | 8' tall solid wood fence |
| Bollards | \$1,500.00 | EA | 9 | \$13,500.00 | |

Site Planting

| | | | | | |
|------------------------------------|------------|----|-------|-------------|--|
| Topsoil & Placement - Planting Bed | \$35.00 | CY | 922 | \$32,270.00 | 10" Depth |
| Compost & Placement - Planting Bed | \$80.00 | CY | 185 | \$14,800.00 | 2" Depth |
| Topsoil & Placement - Lawn | \$35.00 | CY | 140 | \$4,900.00 | 4" Depth |
| Trees - Deciduous | \$2,000.00 | EA | 8 | \$16,000.00 | |
| Planting - Shoreline Restoration | \$3.00 | SF | 24287 | \$72,861.00 | Living Shoreline Planting |
| Planting Bed - meadow | \$10.00 | SF | 2018 | \$20,180.00 | |
| Planting Bed - low grasses | \$10.00 | SF | 1874 | \$18,740.00 | EX sesleria, At street and parking lot |
| Planting Bed - Around Boathouse | \$10.00 | SF | 1707 | \$17,070.00 | Around Boathouse |
| Lawn - seed | \$0.50 | SF | 11377 | \$5,688.50 | |

Parking Area adjacent to Boathouse Park

| | | | | | |
|--|---------|----|------|------------|--|
| Bituminous Roadway Pavement | \$4.33 | SF | 1246 | \$5,395.18 | 12" subbase, 4" Processed, 3" Bit, Grading |
| Parking Striping - Stall | \$0.50 | LF | 108 | \$54.00 | 4" white lines on pavement |
| Granite Curb | \$40.00 | LF | 106 | \$4,240.00 | 5" Granite, Concrete Encased |
| Pavement paint (historic land pattern) | \$1.50 | LF | 83 | \$124.50 | |

Remedial Engineering Design, Procurement, Implementation

| | | | | | |
|--|--|--|--|-------------|--|
| State Voluntary Remediation Program | | | | \$5,500.00 | |
| Part 2 ECVR prep, filing and 1 round DEEP comments | | | | \$6,000.00 | |
| Remediation Contractor Plans, Spec's | | | | \$5,000.00 | |
| Hazmat Abatement Spec | | | | \$2,500.00 | |
| Hazmat Abatement Oversight & Sampling | | | | \$22,500.00 | |
| Contaminated Soil field oversight and sampling | | | | \$22,500.00 | |
| Hazmat Abatement Report | | | | \$1,500.00 | |
| Remedial Action Report | | | | \$8,000.00 | |
| Environmental Land Use Restriction & ELUR Survey | | | | \$25,000.00 | |
| Monitoring Well Installation | | | | \$4,800.00 | |
| Groundwater Sampling & Reporting | | | | \$28,000.00 | |
| LEP Verification Report and LEP Verification | | | | \$16,000.00 | |
| Surety for Engineering Controls | | | | \$36,000.00 | |

Design / Engineering / Soft Costs

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|------------------------|--|-----|--|--------------|--|
| Survey Staking | | 2% | | \$45,895.32 | |
| Mobilization | | 5% | | \$114,738.30 | |
| Design & Engineering | | 10% | | \$229,476.61 | |
| Construction Oversight | | 0% | | \$0.00 | |
| Permitting | | 3% | | \$68,842.98 | |
| Contingency | | 20% | | \$458,953.22 | |

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|---|-----------------------|
| Sub-Total | \$3,395,972.51 |
| Costs Eligible for Remediation Funds | \$2,844,778.63 |
| Costs for Crew Docks | \$154,600.00 |
| Potential Cost to Town of Stonington | \$396,593.88 |

* Costs reflect 2018 market values