

Town of Truro - DPW Facility

Feasibility Study

August 2, 2023



PROJECT SCOPE

Project Description

The project is a new DPW facility in the Town of Truro. Estimate based on feasibility study report on 5 sites.

DPW Building

Conventional concrete foundations and slab on grade, steel framed structure

Salt Shed

pre-cast concrete block walls, geosynthetic reinforced soil pad, truss arch framing, tensioned fabric roof assembly Building structure demolition and hazardous material abatement

Sitework including bulk earth moving, paving and surfacing, exterior improvements, site utilities

Project Particulars

Pricing based on Feasibility study report dated May 1st, 2023 prepared by Weston & Sampson

Design Team clarifications and supplemental information during estimating production period

Detailed quantity takeoffs where possible from design package documents

CHA Companies, Inc. site visit to discover existing conditions

CHA Companies, Inc. experience with similar projects of this nature

Project Schedule

Project Start - anticipated start of construction Q2, 2024 for a duration of 19 months

Escalation and Market Contingency allowance from now to anticipated construction starts has been carried in the Main

Cost Estimate Information

Cost Estimate has been prepared by CHA Consulting, Inc.

Project Team Leader is; Bruce Jensen ph.: (518) 453-3970, email: bjensen@chacompanies.com



MAIN SUMMARY

| ELEMENT | | | 340 Rt 6 | Town Hall Rd (Snow Field) | Town Hall Rd (Conservation Trust) | Walsh Property | Sandpit Road |
|--|--------|----------|--------------|------------------------------|---|-------------------|--------------|
| | | | 33,783 GSF | 27,226 GSF | 27,226 GSF | 35,416 GSF | 32,696 GSF |
| New DPW Building | | | \$16,215,840 | \$13,068,480 | \$13,068,480 | \$16,999,680 | \$15,694,080 |
| Salt Shed | | | \$556,800 | \$522,000 | \$522,000 | \$478,500 | \$576,288 |
| Sitework | | | \$3,104,643 | \$5,235,533 | \$4,004,533 | \$3,575,477 | \$3,602,849 |
| Direct Trade Details SubTotal | | | \$19,877,283 | \$18,826,013 | \$17,595,013 | \$21,053,657 | \$19,873,217 |
| Design and Pricing Contingency | 10.00% | | \$1,988,000 | \$1,883,000 | \$1,760,000 | \$2,106,000 | \$1,988,000 |
| Direct Trade Cost Total | | | \$21,865,283 | \$20,709,013 | \$19,355,013 | \$23,159,657 | \$21,861,217 |
| Burdens and Markups | | | | | | | |
| General Conditions, Project Requirements, Overhead | 16 MTH | \$81,000 | \$1,296,000 | \$1,296,000 | \$1,296,000 | \$1,296,000 | \$1,296,000 |
| General Conditions - prior to mobilization, project closeout | 3 MTH | \$20,250 | \$61,000 | \$61,000 | \$61,000 | \$61,000 | \$61,000 |
| General Liability Insurance | 1.25% | | \$291,000 | \$276,000 | \$259,000 | \$307,000 | \$291,000 |
| Performance and Payment Bonds | 1.50% | | \$353,000 | \$336,000 | \$315,000 | \$373,000 | \$353,000 |
| Profit | 6.00% | | \$1,432,000 | \$1,361,000 | \$1,278,000 | \$1,512,000 | \$1,432,000 |
| Estimated Construction Cost Total | | | \$25,298,283 | \$24,039,013 | \$22,564,013 | \$26,708,657 | \$25,294,217 |
| Escalation and Current Market Volatility | | | | | | | |
| Contingency from now to anticipated Start of Construction | 4.33% | | \$1,095,000 | \$1,041,000 | \$977,000 | \$1,156,000 | \$1,095,000 |
| Estimated Construction Cost Total Including Escalation | | | \$26,393,283 | \$25,080,013 | \$23,541,013 | \$27,864,657 | \$26,389,217 |
| Stretch Code ADD (5%-9%) | 7.00% | | \$1,770,880 | \$1,682,731 | \$1,579,481 | \$1,869,606 | \$1,770,595 |
| Estimated Construction Cost Total Including Stretch Code | | | \$28,164,163 | \$26,762,744 | \$25,120,494 | \$29,734,263 | \$28,159,812 |



CLARIFICATIONS

Project Assumptions

Conventional Design/Bid/Build process.

The project will be procured in accordance with the requirements of Massachusetts General Laws Chapter 149, including trade sub-bids.

Our costs assume that there will be at least three subcontractors submitting unrestricted bids in each trade bid.

The Total Estimated Construction Cost reflects the fair construction value of this project in a competitive bidding market and includes cost escalation to cover the construction duration.

Direct trade unit rates include prevailing wage labor rates and escalation to mid-point of construction duration. These unit rates continue to be updated during the design phase.

Construction during normal working hours.

Noise and vibration disturbances are anticipated and will be minimized or avoided during normal business hours.

Lay-down/storage area, jobsite shed and trailers, and construction site entrance will be located adjacent to Project area.

Temporary electrical and water site utility connections will be available. General Conditions value includes utility connections and consumption costs.

Existing water pressure is adequate.

Subcontractors' markups are included in each unit rate. These markups cover field and home office overhead and subcontractors' profit.

Design and Pricing Contingency markup is an allowance for unforeseen design issues, design detail development and specification clarifications during the design period. This allowance typically reduces during the design period, to more accurately reflect the designed scope of work progress.

General Conditions covers supervision, general facilities to support Project, and site office overheads that are not attributable to the direct trade costs.

Project Requirements value covers staging and access, temporary protection, and cleaning.

Construction Cost Estimate Exclusions

Unforeseen Conditions Contingency.

Work beyond the boundary of the site.

Site or existing condition surveys and investigations.

Architectural/Engineering; Designer and other Professional fees, testing, printing, surveying.

Owner's administration; legal fees, advertising, permitting, Owner's insurance, administration, interest expense.

Owner's site representation and project administration.

Project costs; utility company back charges, construction of swing space and temporary facilities, program related phasing, relocation.

Owner furnished and installed products, A/V equipment, computer networking, desks, chairs, furnishings, equipment, artwork, loose case goods and other similar items.

LEED Certification and Commissioning process.

Third Party testing and commissioning.

Environmental permitting.

Building permit fees.

Police details and street/sidewalk permits.



| | | | 340/344 Route 6 | | 24 Town Hall (Snow field) | | 24 Town | Hall | Walsh Property | | 2 Sandpit Road | |
|---|-------------|------|------------------|--|-------------------------------|---------------------------|-----------------------|-----------------------|-----------------|----------------------|------------------|-----------------------|
| | | | | | | | (Conservation Trust) | | waish Property | | 2 Sanupi | t Roau |
| ELEMENT | UNIT RATE | UNIT | QUANTITY | COST | QUANTITY | COST | QUANTITY | COST | QUANTITY | COST | QUANTITY | COST |
| 02 DEMOLITION | | | | | | | | | | | | |
| 7 3 02 41 16 Demolition | | | | | | | | | | | | |
| Existing building demolition | \$20.00 | SF | | | 16,300 | \$326,000 | 16,300 | \$326,000 | | | | |
| Misc. Demo allowance | \$25,000.00 | AL | 1 | \$25,000 | 1 | \$25,000 | 1 | \$25,000 | 1 | \$25,000 | 1 | \$25,000 |
| 1 02 41 16 Demolition Total 2 | | | | \$25,000 | | \$351,000 | | \$351,000 | | \$25,000 | | \$25,000 |
| 3 4 O2 82 33 Asbestos Abatement | | | | | | | | | | | | |
| Misc. Haz Removals Allowance | | | | | 1 | \$25,000 | 1 | \$25,000 | | | 1 | \$5,00 |
| 6 02 82 33 Asbestos Abatement Total | | | | | 1 | \$25,000 \$25,000 | 1 | \$25,000 \$25,000 | | | - | \$5,00 \$5,00 |
| 7 | | | | | | 425,000 | | 423,000 | | | | ψ5,66 |
| 8 | | | | | | | | | | | | |
| 31 EARTHWORK | | | | | | | | | | | | |
| 2 31 00 00 Mobilization & Erosion | | | | | | | | | | | | |
| 3 Clearing | \$12,500.00 | ACRE | 3.0 | \$37,305 | 3.7 | \$45,914 | 3.7 | \$45,914 | 3.9 | \$48,783 | 4.8 | \$60,29 |
| Clearing & grubbing R & D trees (Included stump); assumed | \$12,500.00 | ACRE | | 357,303 IC ABOVE | | INC ABOVE | | INC ABOVE | | NC ABOVE | | 360,29 INC ABOVE |
| 6 Mobilization Operations | | | "' | IC ABOVE | ' | INC ADOVE | | INC ABOVE | | NC ABOVE | ' | NC ABOVE |
| 7 Mobilization | \$25,000.00 | LS | 1 | \$25,000 | 1 | \$25,000 | 1 | \$25,000 | 1 | \$25,000 | 1 | \$25,00 |
| 8 Construction fence installation and maintenance | \$16.00 | LF | 1,800 | \$28,800 | 2,000 | \$32,000 | 2,000 | \$32,000 | 2,500 | \$40,000 | 2,388 | \$38,20 |
| 9 Double construction gate | \$2,500.00 | EA | 1 | \$2,500 | 1 | \$2,500 | 1 | \$2,500 | 1 | \$2,500 | 1 | \$2,50 |
| Temporary construction entrance | \$7,500.00 | LS | 1 | \$7,500 | 1 | \$7,500 | 1 | \$7,500 | 1 | \$7,500 | 1 | \$7,50 |
| 1 Temporary signs | \$5,000.00 | LS | 1 | \$5,000 | 1 | \$5,000 | 1 | \$5,000 | 1 | \$5,000 | 1 | \$5,00 |
| Wash down/re-fueling/parking areas | \$5,000.00 | EA | 1 | \$5,000 | 1 | \$5,000 | 1 | \$5,000 | 1 | \$5,000 | 1 | \$5,00 |
| 3 Tree to protect | \$5,000.00 | AL | 1 | \$5,000 | 1 | \$5,000 | 1 | \$5,000 | 1 | \$5,000 | 1 | \$5,00 |
| Erosion and Sedimentation Controls Erosion control barrier; install and maintenance | \$14.00 | LF | 1,800 | \$25,200 | 2,000 | \$28,000 | 2,000 | \$28,000 | 2,500 | \$35,000 | 2,388 | \$33,43 |
| 6 Erosion control barrier, install and maintenance 6 Erosion control barrier at temp construction period soil stockpile | | AL | 1,000 | \$5,000 | 2,000 | \$5,000 | 2,000 | \$5,000 | 2,500 | \$5,000 | 2,300 | \$5,00 |
| 7 Silt sacks in all ex. drainage structures | \$8,500.00 | AL | 1 | \$8,500 | 1 | \$8,500 | 1 | \$8,500 | 1 | \$8,500 | 1 | \$8,50 |
| 8 Misc. Environmental Protections | \$10,000.00 | AL | 1 | \$10,000 | 1 | \$10,000 | 1 | \$10,000 | 1 | \$10,000 | 1 | \$10,00 |
| 9 31 00 00 Mobilization & Erosion Total | | | | \$164,805 | | \$179,414 | | \$179,414 | | \$197,283 | | \$205,43 |
| 0 1 31 00 00 Earthwork | | | | | | | | | | | | |
| 2 Strip and stockpile topsoil in existing areas | \$11.00 | CY | 5,216 | \$57,377 | 2,963 | \$32,593 | 2,963 | \$32,593 | 6,296 | \$69,259 | 3,891 | \$42,80 |
| 3 Export of existing topsoil | \$15.00 | CY | 5,086 | \$76,296 | 2,843 | \$42,639 | 2,843 | \$42,639 | 6,167 | \$92,500 | 3,826 | \$57,39 |
| 4 Cut and Fill | | | | | | | | | | | | |
| 5 Cut/Fill; assumed 2' avg | \$35.00 | CY | 10,593 | \$370,741 | 15,309 | \$535,802 | 15,309 | \$535,802 | 13,852 | \$484,815 | 17,121 | \$599,23 |
| 6 Cut soil for Fuel pit 7 Export of existing | \$45.00 | CY | 444 | \$20,000 IC ABOVE | 444 | \$20,000 INC ABOVE | 444 | \$20,000 INC ABOVE | 444 | \$20,000 NC ABOVE | 330 | \$14,840 INC ABOVE |
| Rough and fine grading | \$0.75 | SF | 130,000 | \$97,500 | 160,000 | \$120,000 | 160,000 | \$120,000 | 170,000 | \$127,500 | 210,121 | \$157,59 |
| 9 Dewatering | \$5,000.00 | MO | 150,000 | \$20,000 | 160,000 | \$120,000 | 160,000 | \$20,000 | 170,000 | \$20,000 | 210,121 | \$20,00 |
| 31 00 00 Earthwork Total | \$5,000.00 | 1410 | • | \$641,914 | 7 | \$771,034 | - | \$771,034 | • | \$814,074 | - - | \$891,86 |
| 1 | | | | 7 • • • • • • • • • • • • • • • • • • • | | 7 11 -700 1 | | ****** | | 702.70 | | ,,,,,, |
| 2 32 EXTERIOR IMPROVEMENTS | | | | | | | | | | | | |
| 4 5 32 10 00 Paving and Surfacing | | | | | | | | | | | | |
| 6 Vehicular Paving | | | 68,000 SF | = | 73,000 | SF | 73,000 | SF | 82,000 S | SF. | 116,256 S | SF |
| New Heavy Duty asphalt vehicular driveway; 5" thick | \$5.45 | SF | 57,800 | \$315,010 | 62,050 | \$338,173 | 62,050 | \$338,173 | 69,700 | \$379,865 | 98,818 | \$538,55 |
| 8 Gravel base; 16" thick | \$38.00 | CY | 2,854 | \$108,452 | 3,064 | \$116,432 | 3,064 | \$116,432 | 3,442 | \$130,796 | 4,880 | \$185,44 |
| 9 New Light Duty Bituminous Pavement, 3.5" thick | \$4.00 | SF | 10,200 | \$40,800 | 10,950 | \$43,800 | 10,950 | \$43,800 | 12,300 | \$49,200 | 17,438 | \$69,75 |
| Gravel base; 12" thick Restore main entrances | \$25.00 | CY | 378 | \$9,450 | 406 | \$10,150 | 406 | \$10,150 | 456 | \$11,400 | 646 | \$16,150 |
| 1 Restore main entrances | \$10,000.00 | LOC | 1 | \$10,000 | 1 | \$10,000 | 1 | \$10,000 | 1 | \$10,000 | 1 | \$10,000 |

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| | | | 340/344 Route 6 | | 24 Town Hall (Snow field) | | 24 Town Hall (Conservation Trust) | | Walsh Property | | 2 Sandpit | Road |
|---|---------------|----------|-----------------|----------------|-------------------------------|---------------|---------------------------------------|-----------|----------------|---------------|-----------|----------------------|
| ELEMENT | UNIT RATE U | JNIT | QUANTITY | COST | QUANTITY | COST | QUANTITY | COST | QUANTITY | COST | QUANTITY | COST |
| 62 Pavement Markings & Signage | | | | | | | | | | | | |
| 63 Parking stall painting | \$45.00 SI | PACE | 21 | \$945 | 22 | \$990 | 22 | \$990 | 22 | \$990 | 36 | \$1,620 |
| 64 HC parking stall painting, signage, stop bar | \$550.00 SI | PACE | 2 | \$1,100 | 2 | \$1,100 | 2 | \$1,100 | 2 | \$1,100 | 2 | \$1,100 |
| 65 Misc. pavement marking | \$15,000.00 | AL | 1 | \$15,000 | 1 | \$15,000 | 1 | \$15,000 | 1 | \$15,000 | 1 | \$15,000 |
| 66 Traffic signage | \$5,000.00 | AL | 1 | \$5,000 | 1 | \$5,000 | 1 | \$5,000 | 1 | \$5,000 | 1 | \$5,000 |
| 67 Curbing | | | | | | | | | | | | |
| 68 Monolithic curbing | · | LF | 1,000 | \$40,000 | 1,000 | \$40,000 | 1,000 | \$40,000 | 1,000 | \$40,000 | 1,082 | \$43,280 |
| 69 HMA berm; assumed | \$11.00 | LF | 250 | \$2,750 | 250 | \$2,750 | 250 | \$2,750 | 250 | \$2,750 | 250 | \$2,750 |
| 70 Pedestrian Paving | | | | | | | | | | | | |
| 71 Concrete sidewalk; broom swept | · | SF | 1,250 | \$14,375 | 1,250 | \$14,375 | 1,250 | \$14,375 | 1,000 | \$11,500 | 1,800 | \$20,700 |
| Gravel base; 8" | · | CY | 34 | \$1,088 | 34 | \$1,088 | 34 | \$1,088 | 27 | \$864 | 49 | \$1,568 |
| 73 Curb Stops | · | EA | 3 | \$1,500 | 3 | \$1,500 | 3 | \$1,500 | 3 | \$1,500 | 3 | \$1,500 |
| 74 Curb cuts | \$850.00 | EA | 3 | \$2,550 | 3 | \$2,550 | 3 | \$2,550 | 3 | \$2,550 | 3 | \$2,550 |
| 75 Equipment Paving | | | | | | | | | | | | |
| 76 Concrete Pavement - Utility pads | · | SF | 500 | \$17,500 | 500 | \$17,500 | 500 | \$17,500 | 500 | \$17,500 | 500 | \$17,500 |
| 77 Gravel base; 8" thick | \$32.00 | CY | 14 | \$448 | 14 | \$448 | 14 | \$448 | 14 | \$448 | 14 | \$448 |
| 78 32 10 00 Paving and Surfacing Total | | | | \$585,968 | | \$620,856 | | \$620,856 | | \$680,463 | | \$932,916 |
| 79 | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | |
| 81 32 20 00 Site Furnishings | | | | | | | | | | | | |
| 82 Site Furnishings | 44= 000 00 | | | 445.000 | | 445.000 | _ | 44= 000 | _ | 445.000 | | 445.000 |
| 83 F&I Exterior Wayfinding Signage | . , | EA | 1 | \$15,000 | 1 | \$15,000 | 1 | \$15,000 | 1 | \$15,000 | 1 | \$15,000 |
| 84 F&I Info Board; assumed | . , | EA | 1 | \$10,000 | 1 | \$10,000 | 1 | \$10,000 | 1 | \$10,000 | 1 25 | \$10,000 |
| 85 Bollards; assumed | \$900.00 | EA | 25 | \$22,500 | 25 | \$22,500 | 25 | \$22,500 | 25 | \$22,500 | 25 | \$22,500 |
| 86 Retaining Walls | ćc= 00 | C.F. | | ¢244.250 | 0.440 | 6644.650 | 0.440 | 6644.650 | 2.540 | ć220.400 | | |
| 87 Segmental Retaining Wall; Varying Heights | | SF SF | 5,250 1,040 | \$341,250 | 9,410 600 | \$611,650 | 9,410 800 | \$611,650 | 3,540 800 | \$230,100 | | |
| Storage Bin Compartment Walls, 8' high | \$45.00 | SF | 1,040 | \$46,800 | 600 | \$27,000 | 800 | \$36,000 | 800 | \$36,000 | | |
| 89 Fencing & Gates | \$14,500.00 | LS | 1 | \$14,500 | 1 | \$14,500 | 1 | \$14,500 | 1 | \$14,500 | 1 | \$14,500 |
| 90 Dumpster Enclosure 91 6' Chain Link Fence; assumed | | LS LF | 250 | \$14,500 | 250 | \$14,500 | 250 | \$14,500 | 250 | \$14,500 | 250 | \$14,500 \$16,250 |
| 92 Flag pole and foundations | · | EA | 250 1 | \$10,000 | 250 1 | \$10,000 | 250 | \$10,000 | 250 | \$10,000 | 250 1 | \$10,000 |
| 93 Misc. site improvement other than above | . , | LS | 1 | \$10,000 | 1 | \$10,000 | 1 | \$10,000 | 1 | \$10,000 | 1 | \$10,000 |
| 94 32 20 00 Site Furnishings Total | \$10,000.00 | LS | 1 | \$486,300 | 1 | \$736,900 | 1 | \$745,900 | 1 | \$364,350 | 1 | \$98,250 |
| 95 | | | | \$460,300 | | \$736,900 | | \$745,900 | | 3304,330 | | \$90,230 |
| 96 | | | | | | | | | | | | |
| 97 32 90 00 Landscaping | | | | | | | | | | | | |
| 98 Landscaping Soils | | | | | | | | | | | | |
| 99 Screen & Respread top soil | \$25.00 | CY | 130 | \$3,241 | 120 | \$3,009 | 120 | \$3,009 | 130 | \$3,241 | 65 | \$1,620 |
| 100 Soil amendment; assumed 10% | | CY | 13 | \$843 | 12 | \$782 | 12 | \$782 | 13 | \$843 | 6 | \$421 |
| 101 Import topsoil for planting beds | · | CY | 15 | \$963 | 15 | \$963 | 15 | \$963 | 15 | \$963 | 15 | \$963 |
| 102 Plantings - assumed quantities | 303.00 | Ci | 13 | 4303 | 13 | 7505 | | 7505 | 13 | 4303 | 13 | \$303 |
| 103 Trees; assumed | \$2,150.00 | EA | 5 | \$10.750 | 5 | \$10,750 | 5 | \$10,750 | 5 | \$10,750 | 5 | \$10,750 |
| 104 Shrubs; assumed | . , | EA | 85 | \$7,225 | 85 | \$7,225 | 85 | \$7,225 | 85 | \$7,225 | 50 | \$4,250 |
| 105 Perennials & Grasses; assumed | · | EA | 120 | \$1,800 | 120 | \$1,800 | 120 | \$1,800 | 120 | \$1,800 | 80 | \$1,200 |
| 106 Seeding & Turf | Ç15.00 | _,, | | \$2,500 | -20 | 41,500 | 120 | ψ±,000 | 220 | 72,300 | 30 | 41,200 |
| 107 Lawn Areas | \$1.25 | SF | 7,000 | \$8,750 | 6,500 | \$8,125 | 6,500 | \$8,125 | 7,000 | \$8,750 | 3,500 | \$4,375 |
| 108 Planting Areas | · | SF | 200 | \$500 | 200 | \$500 | 200 | \$500 | 200 | \$500 | 200 | \$500 |
| 109 32 90 00 Landscaping Total | Ψ2.55 | | 200 | \$34,071 | | \$33,155 | 230 | \$33,155 | 250 | \$34,071 | | \$24,080 |
| 110 | | | | +- ·/3/ = | | +,100 | | , , | | | | += -,-== |
| | | | | | | | | | | | | |

CHA Consulting, Inc.

| | | | 340/344 Route 6 | | 24 Town Hall | | 24 Town | | Walsh Property | | 2 Sandpit | Road |
|---|----------------|------|-----------------|---|------------------------------|-------------------|-----------------------|-----------------|----------------|-----------------|-----------|------------------|
| FLENGENT | UNIT RATE UNIT | | CULANITITY | | (Snow field) OUANTITY COST | | (Conservation Trust) | | | | CHANTITY | COST |
| ELEMENT | UNIT RATE | UNII | QUANTITY | COST | QUANTITY | COST | QUANTITY | COST | QUANTITY | COST | QUANTITY | COST |
| 33 SITE UTILITIES | | | | | | | | | | | | |
| 114 | | | | | | | | | | | | |
| 115 33 10 00 Water | | | | | | | | | | | | |
| 116 6" DI Water Main; incoming service | \$195.00 | LF | 250 | \$48,750 | 2,500 | \$487,500 | 500 | \$97,500 | 1,000 | \$195,000 | 250 | \$48,750 |
| 117 6" DI Water Main; building loop | \$125.00 | LF | 500 | \$62,500 | 500 | \$62,500 | 500 | \$62,500 | 500 | \$62,500 | 500 | \$62,500 |
| 118 Snow field modifications incl restoration | \$950,000.00 | LS | _ | | 1 | \$850,000 | | | _ | | _ | |
| 119 Gate valve; 6" | \$2,100.00 | EA | 2 | \$4,200 | 2 | \$4,200 | 2 | \$4,200 | 2 | \$4,200 | 2 | \$4,200 |
| 120 Hydrant and 6" gate valve | \$4,200.00 | EA | 2 | \$8,400 | 2 | \$8,400 | 2 | \$8,400 | 2 | \$8,400 | 2 | \$8,400 |
| 121 Firepump | \$25,000.00 | EA | 1 | \$25,000 | 1 | \$25,000 | 1 | \$25,000 | 1 | \$25,000 | 1 | \$25,000 |
| 122 Cistern | \$35,000.00 | EA | | ć7 F00 | 1 | \$35,000 | 1 | \$35,000 | 1 | \$35,000 | 1 | \$35,000 |
| 123 Connection To Existing | \$7,500.00 | EA | 1 | \$7,500 | 1 | \$7,500 | 1 | \$7,500 | 1 | \$7,500 | 1 | \$7,500 |
| 124 33 10 00 Water Total 125 | | | | \$156,350 | | \$1,480,100 | | \$240,100 | | \$337,600 | | \$191,350 |
| 125 | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| 127 33 30 00 Sanitary Sewer 128 4" SCH 80 PVC Sanitary line | \$75.00 | LF | 300 | \$22,500 | 300 | \$22,500 | 300 | \$22,500 | 300 | \$22,500 | 300 | \$22,500 |
| 129 6" SCH PVC Sanitary Waste line | \$85.00 | LF | 25 | \$22,300 | 25 | \$22,300 | 25 | \$22,300 | 25 | \$22,300 | 25 | \$22,500 |
| 130 Oil Water Separator | \$25,000.00 | EA | 1 | \$25,000 | 1 | \$25,000 | 1 | \$25,000 | 1 | \$25,000 | 1 | \$25,000 |
| 131 4000 Gal Septic Tank | \$20,000.00 | EA | 1 | \$20,000 | 1 | \$20,000 | 1 | \$20,000 | 1 | \$20,000 | 1 | \$20,000 |
| 132 15000 Gal Tight Tank | \$45,000.00 | EA | 1 | \$45,000 | 1 | \$45,000 | 1 | \$45,000 | 1 | \$45,000 | 1 | \$45,000 |
| 133 Leaching Trench (Primary and Reserve) | \$60.00 | CY | 125 | \$7,500 | 125 | \$7,500 | 125 | \$7,500 | 125 | \$7,500 | 125 | \$7,500 |
| 134 Connection To Existing | \$7,500.00 | EA | 1 | \$7,500 | 1 | \$7,500 | 1 | \$7,500 | 1 | \$7,500 | 1 | \$7,500 |
| 135 33 30 00 Sanitary Sewer Total | \$7,500.00 | | • | \$129,625 | - | \$129,625 | - | \$129,625 | - | \$129,625 | - | \$129,625 |
| 136 | | | | \$123,023 | | VIES,023 | | 7123,023 | | VIL5,023 | | \$123,023 |
| 137 | | | | | | | | | | | | |
| 138 33 40 00 Storm Sewer | | | | | | | | | | | | |
| 139 Stormwater Systems | \$2.65 | GSF | 130,000 | \$344,500 | 160,000 | \$424,000 | 160,000 | \$424,000 | 170,000 | \$450,500 | 210,121 | \$556,821 |
| 140 33 40 00 Storm Sewer Total | , | | , | \$344,500 | , | \$424,000 | , | \$424,000 | ., | \$450,500 | -, | \$556,821 |
| 141 | | | | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | , 12.7,000 | | 7 := :, | | 7, | | ,,,,,, |
| 142 | | | | | | | | | | | | |
| 143 33 60 00 Fuel Distribution | | | | | | | | | | | | |
| 144 Gas line: trench & backfill only; assumed (line by utility) | \$45.00 | LF | 400 | \$18,000 | 300 | \$13,500 | 300 | \$13,500 | 400 | \$18,000 | 400 | \$18,000 |
| 145 Fuel Pump | \$75,000.00 | LS | 1 | \$75,000 | 1 | \$75,000 | 1 | \$75,000 | 1 | \$75,000 | 1 | \$75,000 |
| 146 Connection To Existing | \$1,850.00 | EA | 1 | \$1,850 | 1 | \$1,850 | 1 | \$1,850 | 1 | \$1,850 | 1 | \$1,850 |
| 147 33 60 00 Fuel Distribution Total | | | | \$94,850 | | \$90,350 | | \$90,350 | | \$94,850 | | \$94,850 |
| 148 | | | | | | | | | | | | |
| 149 | | | | | | | | | | | | |
| 150 33 71 00 * Site Electrical | | | | | | | | | | | | |
| 151 Electrical Distribution | | | | | | | | | | | | |
| 152 Primary pole riser 3-4" GRC | \$6,500.00 | EA | 1 | \$6,500 | 1 | \$6,500 | 1 | \$6,500 | 1 | \$6,500 | 1 | \$6,500 |
| Primary service 3x 4" PVC duct bank only (Conduit & Feeders by | \$90.00 | LF | 500 | \$45,000 | 350 | \$31,500 | 350 | \$31,500 | 500 | \$45,000 | 500 | \$45,000 |
| Utility) | \$90.00 | LF | 300 | \$45,000 | 330 | \$51,500 | 330 | \$51,500 | 500 | \$45,000 | 500 | \$45,000 |
| 154 Transformer pad (transformer by utility) | \$5,500.00 | EA | 1 | \$5,500 | 1 | \$5,500 | 1 | \$5,500 | 1 | \$5,500 | 1 | \$5,500 |
| 155 Transformer pad grounding | \$2,000.00 | EA | 1 | \$2,000 | 1 | \$2,000 | 1 | \$2,000 | 1 | \$2,000 | 1 | \$2,000 |
| 156 Secondary service (4) 4" PVC with 12 400 MCM cable | \$160.00 | LF | 100 | \$16,000 | 100 | \$16,000 | 100 | \$16,000 | 140 | \$22,400 | 140 | \$22,400 |
| 157 Underground Electrical Ductbank | \$155.00 | LF | 500 | \$77,500 | 350 | \$54,250 | 350 | \$54,250 | 500 | \$77,500 | 500 | \$77,500 |
| 158 | | | | | | | | | | | | |
| 159 Emergency power with conduit and wire | | | | | | | | | | | | |
| Emergency diesel generator 250KW w/ 2 ATS and emergency load | \$145,000.00 | LS | 1 | \$145,000 | 1 | \$145,000 | 1 | \$145,000 | 1 | \$145,000 | 1 | \$145,000 |
| bank | Ç1.5,000.00 | | - | Ç243,000 | - | Ç143,000 | - | φ± .5,000 | - | Ç2-3,000 | 1 | Ç.43,000 |
| Emergency distribution conduit & wire from emergency generator | | | | | | | | | | | | |
| to building- 2sets of 4 inch PVC Conduit with 8 600MCM cable | \$612.00 | LF | 80 | \$48,960 | 80 | \$48,960 | 80 | \$48,960 | 80 | \$48,960 | 80 | \$48,960 |
| • | | | | A | | | | A46 | | A | | A |
| 162 Excavation & backfill | \$55.00 | LF | 500 | \$27,500 | 350 | \$19,250 | 350 | \$19,250 | 500 | \$27,500 | 500 | \$27,500 |
| 163 Electrical charging station; wiring | \$6,500.00 | EA | 2 | \$13,000 | 2 | \$13,000 | 2 | \$13,000 | 2 | \$13,000 | 2 | \$13,000 |
| 164 | | | | | | | | | | | | |

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| | | | 340/344 Route 6 | | 24 Town Hall (Snow field) | | 24 Town Hall (Conservation Trust) | | Walsh Property | | 2 Sandpit Road | |
|--|-------------|------|-----------------|-----------|-------------------------------|-----------|---------------------------------------|-----------|----------------|-----------|----------------|-----------|
| ELEMENT | UNIT RATE | UNIT | QUANTITY | COST | QUANTITY | COST | QUANTITY | COST | QUANTITY | COST | QUANTITY | COST |
| 165 Site Communications Systems | | | | | | | | | | | | |
| 166 Communication pole riser 4-4" GRC | \$2,000.00 | EA | 1 | \$2,000 | 1 | \$2,000 | 1 | \$2,000 | 1 | \$2,000 | 1 | \$2,000 |
| 167 Communication service | \$30.00 | LF | 150 | \$4,500 | 120 | \$3,600 | 120 | \$3,600 | 150 | \$4,500 | 150 | \$4,500 |
| 168 Excavation & backfill | \$42.00 | LF | 150 | \$6,300 | 120 | \$5,040 | 120 | \$5,040 | 150 | \$6,300 | 150 | \$6,300 |
| 169 | | | | | | | | | | | | |
| 170 Site Circuitry | | | | | | | | | | | | |
| 171 Site Power; Conduit & Wire; assumption | \$15,000.00 | AL | 1 | \$15,000 | 1 | \$15,000 | 1 | \$15,000 | 1 | \$15,000 | 1 | \$15,000 |
| 172 Site Lighting | | | | | | | | | | | | |
| 173 Pedestrian Site Lighting | \$15,000.00 | AL | 1 | \$15,000 | 1 | \$15,000 | 1 | \$15,000 | 1 | \$15,000 | 1 | \$15,000 |
| 174 Vehicular Site Lighting | \$10,000.00 | AL | 1 | \$10,000 | 1 | \$10,000 | 1 | \$10,000 | 1 | \$10,000 | 1 | \$10,000 |
| 175 Flag Pole Lighting | \$1,500.00 | AL | 1 | \$1,500 | 1 | \$1,500 | 1 | \$1,500 | 1 | \$1,500 | 1 | \$1,500 |
| 176 33 71 00 * Site Electrical Total | | | | \$441,260 | | \$394,100 | | \$394,100 | | \$447,660 | | \$447,660 |

Responsibly Improving the World We Live In

