

Project	Cost	Cumulative	PW \$	Match (0.19)
Engineering Costs	83,532	83,532	483,752	15,871
Pool Cleanup	13,670	97,202	470,082	2,597
PW Addition	412,968	510,170	57,114	78,464
Route 132 Culvert	126,700	636,870	(69,586)	24,073

Pool Dam Cleanup

Bidder	Proposal
Webster & Donovan	13,670
Thomson Excavation	44,960
L&M	56,000
Hook Construction	77,250


Webster & Donovan Excavating Inc

37 Goodrich Four Corners Road
Norwich, VT 05055
802-649-8522

Estimate

Date	Estimate #
12/16/15	489

Name / Address
Town of Norwich PO Box 376 Norwich, VT 05055

Description	Qty	Cost	Total
RESTORATION OF NORWICH POOL DAM AREA			
Remove remaining sections of dam and dam debris and truck away. Move fill and river stone as necessary to stabilize bank and create rec area as planned. Remove existing structures and play set. Seed and mulch all disturbed areas.		12,800.00	12,800.00
grass seed, mulch hay, silt fence and geotextile fabric		870.00	870.00
			
Total			\$13,670.00



THOMSON TIMBER HARVESTING & TRUCKING, LLC

53 NH Route 10, Orford, NH 03777

o. 603.353.9700 f. 603.353.9730 www.gothomson.com

Norwich Pool Dam Area

Primary Contact Concerning Bid

Stacey Thomson - Owner

Stacey@gothomson.com

603.359.0202

53 NH Route 10, Orford, NH 03777

Company

Thomson Timber Harvesting & Trucking, LLC

53 NH Route 10

Orford, NH 03777

603.353.9700

Fax: 603.353.9730

Bid

\$44,960.00

forty four thousand nine hundred and sixty dollars and no cents

Stacey Thomson - Owner 01/06/2016

Norwich Pool Dam Area

Item #	Description	Qty	Unit	Unit price	Total
201.11	Clearing and Grubbing	1.0	Acre	\$3,500	\$3,500.00
203.15	Common Excavation	500	CY	\$ 25.00	\$12,500.00
402.1	Aggregate Pathway	12	CY	\$ 80.00	\$960.00
529.15	Removal of Existing Structures	2	Unit	\$ 7,500.00	\$15,000.00
615.16	Natural Stone Fill	50	CY	\$ 50.00	\$2,500.00
635.11	Mobilization	1	Unit	\$ 1,500.00	\$1,500.00
649.31	Geotextile under stone fill	100	SY	\$ 6.00	\$600.00
649.51	Geotextile for silt fence	100	SY	\$ 10.00	\$1,000.00
651.15	Seed	100	LB	\$ 10.00	\$1,000.00
651.18	Fertilizer	200	LB	\$ 5.00	\$1,000.00
651.35	Topsoil	50	CY	\$ 37.00	\$1,850.00
651.35	Hay Mulch	250	SY	\$ 5.00	\$1,250.00
					\$42,660.00

Extras

Item #	Description	Qty	Unit	Unit price	Total
	Portable Toilet	1	Unit	\$ 300.00	\$300.00
	Turbidity Curtain	1	Unit	\$ 2,000.00	\$2,000.00
					\$0.00
					\$0.00
					\$2,300.00

Grand Total

\$44,960.00

Proposed Schedule of Construction

Norwich Pool Dam Area

Norwich, VT 2016

Start and End Date	Activity	Activities That Might Delay	
June 1-7	Mobilization Silt Fence Turbidity Curtain Clearing and grubbing Remove Rubble Remove Existing dam Remove Stone Dam Stabilize Bank	Extreme Weather	
June 8-15	Place large rocks within stream Demolish bath house and lifeguard building Remove swing set and sand box Create level recreation area Reestablish gravel path from parking lot to woods Seed and mulch disturbed areas	Extreme Weather	



L&M Service Contractors, LLC

126 NH Route 10 Orford, NH 03777 Office: 603.359.1656 Fax: 802.649.3154

Town of Norwich
Department of Public Works
26 New Boston Rd
Norwich, VT 05055
Andy Hodgdon
Ahodgdon@norwich.vt.us

January 6, 2016

Restoration of the Norwich Pool Dam Area

• Mobilization	\$2,500
• Erosion control	1,000
• Clearing and Grubbing	2,000
• Common excavation of river fill	8,500
• Reconstruction of gravel pathway	1,500
• Removal of existing buildings, swings, sandbox etc.	12,500
• Removal of concrete dam	20,000
• Installation of natural stone fill	4,500
• Topsoil, seed and mulch	3,500

Total **\$56,000**


Ryan Morse


Date

Notes:

Project duration 7-10 working days

Project would be best performed winter of 2016 if permit allows

HOOK CONSTRUCTION

Since 1976

PROJECT BID

Customer: Town of Norwich
Project: Restoration Pool Dam Area
Date: 4-Jan-16

Mobilization	\$3,500
Clearing & Grubbing	\$2,000
Common Excavation	\$12,500
Gravel Paths	\$1,320
Removal of Existing Buildings	\$5,520
Stone Fill	\$4,500
Fabric	\$1,500
Silt Fence	\$1,000
Seed	\$1,000
Fertilizer	\$1,200
Top Soil	\$5,380
Mulch Hay	\$2,500
Removing Dam	\$19,300
Hauling	\$8,000
Dumpster	\$5,000
Demobilization	\$3,500
TOTAL	\$77,720

Project Schedule

Start Date: July 1, 2016

Completion Date: July 29, 2016

Wayne Hook

HOOK CONSTRUCTION
WAYNE HOOK

CUSTOMER

Bidder	PW Addition Proposal
Wright	412,968
Spates	457,868
T-N	526,035



31 Station Road
Mt. Holly, Vermont 05758
802.259.2094 phone
802.259.2689 fax
www.wrightconstruction.com

RFP Response: Design/Build Construction Services
Public Works Facility
Town of Norwich, VT
WCC Job #: 2015-131
January 6, 2016

The following is a description, by construction division, for design completion and construction of a new 4,000 S.F building addition. Our proposal is based on the RFP by Town of Norwich, Vermont, dated December 21, 2015 along with the description below.

Design completion/ DFS Permitting/General Conditions: WCC will provide Professional Liability Insurance and design services to complete the design for the town garage addition, to include structural design for the building foundation, mechanical and electrical stamped drawings (civil engineering by the Town of Norwich under separate contract). We expect to attend up to three meetings to complete the design. When design is complete we will prepare and submit permit application with fee to the Division of Fire & Safety.

Once the project is ready to move forward to construction we will provide all services related to the general conditions to include on and off site management, storage trailers, jobsite office and communication means, prepare and process submittals, conduct progress meetings, et al. We are prepared to offer Performance & Payment bonds upon Owner's request, cost for these are not currently carried in this proposal but could be added upon request.

\$43,775.00

Sitework/Site Utilities: We will layout site for new building addition as well as implement erosion control. Excavating/backfill for new 40'x100' SF building addition. Slab preparation will consist of 6" stone base and 6 mil poly. Excavation/backfill for sewer line for new bathroom in the foot print of the building. Excavation/backfill and pavement patching for sewer line from building to septic tank will be by the town. Wright Construction Company will provide 4" PVC pipe, labor & miscellaneous fittings. Rough/final grade, seed and mulch disturbed areas. We have included a \$3,500 allowance for the retaining wall and a \$25,000 allowance for new water well (by WRAGG Brothers of VT). Excavation/backfill any water line work by the Town of Norwich. All pavement patching to be by Owner.

\$70,825.00

Concrete: Will consist of stamped Engineered drawings for 40'x100' frost wall addition with pads and piers for metal building. 12" tall x 20" wide continuous footings with 5'x5' pads at column location, 8" thick x 5'0" tall walls and reinforced 6" concrete slab. Frost walls will receive 2" rigid insulation on outside of wall with metal flashing protection..

\$49,170.00

Demolition: Remove and dispose of framing/siding in 16' bays to allow trucks to pass through. Remove siding as required for new addition. Saw-cut and remove 1' tall concrete curb located at the 5 bays (approximately 80LF concrete curb will be cut down 6" lower to accept new slab addition). New slab will be pinned to existing slab.

\$ 7,632.00

Framing: Construct 2x6 wall partitions 8' tall for new bathroom, office & breakroom. Ceiling will be framed with TSI 230's joist 16" O.C. with 3/4" plywood floor and temporary handrail for future mezzanine. Existing mezzanine to be removed and disposed of by Town of Norwich. Wright Construction Company will construct new 12'x40' mezzanine including 2x6 partitions, TJI 230's joist 16" O.C. with 3/4" plywood floor and 1/2" plywood on walls. New 2x12 stair tread, stringers and wood handrail.

\$17,939.00



Insulation: To be metal building insulation per energy code standards.

\$13,415.00

Membrane Roofing: Install new rigid insulation over the existing metal roof into the roof ribs, approximately R-5.7, to the height of the highest rib. Over the infill insulation mechanically fasten a new 1 1/2" R-8.55 Firestone isocyanurate insulation. The total R-value of 14.25. The edges will be built up with wood blocking to the height of the new insulation. The edges will then receive new custom factory baked on Kynar finished metal edge flashings. Over the insulation fully adhere a new Firestone .060 EPDM rubber roofing membrane. All present protrusions will be flashed as per firestone specifications.

\$29,649.00

Doors/Windows: We have included a \$800 material allowance for exterior door, frame and hardware for office exterior door. We have included a \$2,400 material allowance for doors, frames and hardware for 3 interior doors (bathroom, office & breakroom). We have also included a \$800 material allowance for (2) new windows located in office area.

\$ 8,271.00

Metal Building: Our proposal is for a single slope, pre-engineered, free standing, 40'x100' metal building addition. (Please see attached drawings). Siding and roofing will be exposed fastener. Our metal building budget includes a \$3,500 allowance for any additional bracing that may be needed to be installed in the existing building for bracing when the exterior wall is removed. This includes required engineer fees.

\$64,486.00

Finishes: Office, break room and bathroom will receive (1) layer of drywall with a level 4 finish, (1) coat of primer and (2) coats of finish paint, VCT flooring and 4" vinyl base.

\$ 9,261.00

Toilet & Bath Accessories: The new bathroom will receive (1) 36" grab bar, (1) 42" grab bar, mirror, toilet tissue dispenser, paper towel dispenser and soap dispenser.

\$ 276.00

Mechanical/ Plumbing: Consists of roughing and installing of (1) water closet, urinal, 1 lavatory, 1 shower, janitors sink, moving the existing solar hot water panels and tank with piping to the new building, 2 propane fired low intensity radiant heaters in bays, 1 propane fired furnace for office, breakroom, bathroom & mezzanine, ductwork for the furnace, indoor propane piping, toilet exhaust fan with ductwork, wall mounted exhaust fan for the new addition, carbon monoxide monitoring for the new addition, moving the existing sidewall fan, mechanical insulation, temperature controls and commissioning.

\$59,535.00

Electrical: (25) T5 HO fixtures in garage and mezzanine, layout similar to existing, (6) 2x4 3-lamp T8 troffers in office and break areas and (3) exterior LED fixtures, locations TBD. The existing panel has only 2 usable spaces, therefore a 100-amp sub panel will be located in the addition on the same wall by office area. Relocated equipment as described in outline will be reconnected. Adequate outlets will be provided in garage and office areas. There is currently no provision for specialty outlets such as welders, phone lines will be extended to new office. The existing fire alarm panel is outdated, parts are no longer readily available for it. This proposal replaces the existing panel with a new Notifier addressable panel and existing devices with addressable devices. The existing horn/strobe will be re-fed by new panel. The addition will be added to the new panel. All current monitoring services will be programmed into new panel.

\$38,735.00

Proposal Amount: \$412,968.00

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Exclusions: Builders Risk Insurance, tax, asbestos testing and abatement, boulder and ledge removal, testing, civil design, trench drain, ACT250 permit, local building permit, winter conditions, relocating Owners items, air piping, surveying, storm drainage, sprinkler, utility company fees, overhead doors, propane tank, outdoor propane piping, water heater, hosebibbs, compressed air piping, well tank, CO monitoring for the existing building, outdoor water piping, any additional requirements that DFS may have with their plan review. We assume the native soil has adequate bearing capacity.

*Any excluded item can be added upon request

*Soil and concrete testing to be paid for by Owner. Wright Construction will coordinate.

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RFP Response: Design/Build Construction Services
Public Works Facility
Town of Norwich, VT
WCC Job #: 2015-131
January 6, 2016

Resumes



31 Station Road
Mt. Holly, Vermont 05758
802.259.2094 *phone*
802.259.2689 *fax*
www.wrightconstruction.com

CARL D. LAVALLEE, II
Chief Operating Officer
Senior Project Manager

EDUCATION

AS/1997/Applied Science – Architectural and Building Engineering Technology
Vermont Technical College
Randolph Center, VT

AS/1997/Applied Science – Construction Practice and Project Management Technology
Vermont Technical College
Randolph Center, VT

EXPERIENCE

Prior to joining Wright Construction Co., Inc., Mr. Lavallee worked at Dubois & King in Randolph, Vermont as a Construction Technician/Estimator where he was involved in estimating projects such as the new U.S. Customs Border Station and many other small projects throughout the State of Vermont. In 1998, Mr. Lavallee accepted a position in the Chicago, Illinois area where he was employed as a full-time Project Manager with Werner-Herbison-Padgett, an international design/consulting firm specializing in providing fire-training structures. While at Werner-Herbison-Padgett, Mr. Lavallee oversaw structural steel and pre-engineered metal building construction all over the continental United States and Alaska.

Mr. Lavallee joined Wright Construction Co., Inc., in 1999 and is responsible for project management and overseeing day-to-day company operations.

Projects currently underway:

- ❖ Private Project, Benson, VT, project value \$370,000
- ❖ Private Residence, Shrewsbury, VT, project value, \$333,198

Some of Mr. Lavallee's completed projects are:

- ❖ South Face Village Water Supply @ Okemo, Ludlow, VT, project value \$1,205,847
- ❖ Deerfield Valley Transit, Wilmington, VT, project value \$4,509,988
- ❖ E. Dorset Loader Storage Building, E. Dorset, VT, project value \$162,509
- ❖ Chester AOT Garage, Chester, VT, project value \$906,734
- ❖ Newhall Farm, Reading, VT, project value \$672,653
- ❖ Main Street Arts, Saxtons River, VT, project value \$936,000
- ❖ Lyman Hall, Poultney, VT, project value \$630,000
- ❖ Wilmington Maintenance Facility, Wilmington, VT, project value \$557,812
- ❖ H. Hirschmann Facility, West Rutland, VT, project value \$813,000
- ❖ West River Valley Assisted Living, Townshend, VT, project value \$1,742,295
- ❖ Bentley House, Green Mountain College, Poultney, VT, project value \$365,914
- ❖ Fletcher Memorial Library, Ludlow, VT, project value \$63,968

Carl D. Lavallee II

Vice President

Resume
Page 1 of 2

- ❖ Peru Town Office, Peru, VT, project value \$387,000
- ❖ Brookside Apartments Balcony Repair, Bennington, VT, project value \$258,834
- ❖ Private Residence, Jamaica, VT, project value \$136,000
- ❖ Southern State Correctional Facility Generator Building, Springfield, VT, project value \$799,468
- ❖ Crafts Inn, Wilmington, VT, project value \$289,281
- ❖ Ludlow Post Office Permanent Fit-Up, Ludlow, VT, project value \$204,000
- ❖ Private Residence Project, Belmont, VT, project value, \$920,000
- ❖ Springfield Adult Day Care, Springfield, VT, project value \$127,800
- ❖ Kinhaven Phase V, Weston, VT, project value \$210,400
- ❖ Claremont Middle School, Claremont, NH, project value \$386,760
- ❖ Cornish Elementary School, Cornish, NH, project value \$257,919
- ❖ Allen Street Dental, Rutland, VT, project value \$195,894
- ❖ Otter Valley Union High School Wastewater Treatment Facility, Brandon, VT, project value \$508,595
- ❖ Ludlow Post Office, Ludlow, VT, project value \$107,000
- ❖ Black River High School, Ludlow, VT, project value \$335,000
- ❖ Calvin Coolidge Visitor's Center, Plymouth, VT, project value \$1,800,000
- ❖ Kinhaven Music School- Phase IV, Weston, VT, project value \$187,729
- ❖ Southview Apartments, Springfield, VT, project value \$3,500,000
- ❖ Flood Brook Union School, Londonderry, VT, project value \$1,938,666

- ❖ Ludlow Health Center, Ludlow, VT, project value \$1,500,000
- ❖ Sports Odyssey, Ludlow, VT, project value \$1,400,000
- ❖ National Hanger Company Warehouse Addition, North Bennington, VT, project value \$1,300,000
- ❖ Tunbridge Central School, Tunbridge, VT, project value \$1,230,328
- ❖ Claremont Schools, Sprinkler & Safety, Claremont, NH project value \$1,116,38
- ❖ Mount St. Joseph Academy Renovations (Co-Project Manager), Rutland, VT, project value \$1,100,000
- ❖ Linden Terrace, Rutland, VT, project value \$765,000
- ❖ Equinox Terrace Facility Additions, Manchester, VT, project value \$750,000
- ❖ Kinhaven Music Camp Phase I, II, III Weston, VT, project value \$653,000
- ❖ Mount Holly School Addition, Mount Holly, VT, project value \$618,662
- ❖ Ludlow Town Hall, Ludlow, VT, project value \$600,000
- ❖ Kalow Technologies, North Clarendon, VT, project value \$580,000
- ❖ Ludlow Best Western Hotel Addition, Ludlow, VT, project value \$528,121
- ❖ Black River Valley Senior Center (Co-Project Manager), Ludlow, VT, project value \$512,616
- ❖ North Universalist Chapel Addition/Renovation, Ludlow, VT, project value \$499,815
- ❖ Hawk Preserve Houses, Plymouth, VT, project value \$475,865
- ❖ Regional Ambulance, Rutland, VT, project value \$385,000
- ❖ Sox Residence Renovations, Hanover, NH, project value \$356,750

CERTIFICATIONS

Troxler Nuclear Densometer
 Nochar Fire Preventer Certified Distributor
 ACI Concrete Flatwork Technician



31 Station Road
Mt. Holly, Vermont 05758
802.259.2094 *phone*
802.259.2689 *fax*
www.wrightconstruction.com

JOSEPH POSTON
Chief Financial Officer
Senior Project Manager

EDUCATION

AS / Applied Science – Construction Practices and Project Management, 2003
Vermont Technical College
Randolph Center, VT

EXPERIENCE

2003 – Present

Wright Construction Co., Inc., Mount Holly, Vermont

Duties include managing all construction phases of projects including scheduling, contract preparation, project buyout, and project change order tracking. Additional duties include assisting the Senior Estimator in estimating projects and doing quantity takeoffs, soliciting subcontractors, and subcontractor scope review.

Projects currently underway:

- ❖ Mt. Holly STRB1501 Culvert, Mt. Holly, VT, project value \$822,292
- ❖ Shrewsbury BHO 1443 (49), Shrewsbury, VT, project value \$304,593

Some of Mr. Poston's completed projects as a Project Manager/ Senior Project Manager:

- ❖ Wallingford Elementary School, Wallingford, VT, project value \$767,030
- ❖ Sheldon Towers, Rutland, VT, project value \$419,500
- ❖ Rutland Intermediate School, Rutland, VT, project value \$1,149,754
- ❖ Rutland Middle School, Rutland, VT, project value \$58,050
- ❖ Brookfield Floating Bridge, Brookfield, VT, project value \$516,039
- ❖ Stafford Tech Center, Rutland, VT, project value \$463,525
- ❖ Artistree Community Arts Center, S. Pomfret, VT, project value \$2,813,536
- ❖ Bath Village Covered Bridge, Bath, NH, project value \$2,490,535
- ❖ Charlotte Covered Bridge, Charlotte, VT, project value \$872,472
- ❖ Quechee Bridge, Quechee, VT, project value \$325,736
- ❖ Pittsfield Town Office, Pittsfield, VT, project value \$708,000
- ❖ Grafton Box Culvert, Grafton, VT, project value \$132,000
- ❖ Belmont Bridge Repair, Belmont, VT, project value \$50,000
- ❖ Windsor Upper Dam, Windsor, VT, project value \$202,000
- ❖ Whitcomb Building Sprinkler Upgrade, Springfield, VT, project value \$182,370
- ❖ Black River Academy, Ludlow, VT, project value \$175,087
- ❖ Gethsemane Episcopal Church, Proctorsville, VT, project value \$125,216
- ❖ Taftsville Covered Bridge, Woodstock, VT, project value \$226,758
- ❖ Rutland Middle School, Rutland, VT, project value \$184,193
- ❖ Gifford Covered Bridge, Randolph, VT, project value \$456,122
- ❖ Smith Haven Apartments, South Londonderry, VT, project value \$535,285
- ❖ Stafford Technical Center, Rutland, VT, project value \$1,314,000
- ❖ Springfield Housing Authority Whitcomb & Huber Buildings, Springfield, VT, project value \$179,000
- ❖ Middletown Spring Elementary School, Middletown Springs, VT, project value \$51,616

Construction Professionals Serving New England States

SINCE 1984



- ❖ Morningside Shelter, Brattleboro, VT, project value \$188,000
- ❖ Pier and Wright's Covered Bridges, Newport, NH project value \$627,000
- ❖ Renovation to Adele Stanley Apartments, Rutland, VT, project value \$576,000
- ❖ Town of Poultney Sand Shed, Poultney, VT, project value \$232,000
- ❖ Black River Academy Museum, Ludlow, VT, project value \$37,000
- ❖ Kingsbury Covered Bridge, Randolph, VT, project value \$297,000
- ❖ Willard Covered Bridge, Hartland, VT, project value \$119,775
- ❖ Leland & Gray Union High School, Townshend, VT, project value \$2,289,000
- ❖ Black River Academy Museum, Ludlow, VT, project value \$328,000
- ❖ Renovation of the Stephen A. Douglas Birthplace, Brandon, VT, project value \$268,000
- ❖ Eagleville Covered Bridge, Salem/Jackson, NY, project value \$1,314,000
- ❖ Haverhill/Bath Covered Bridge, Haverhill, NH, project value \$1,250,000
- ❖ Weathersfield Covered Bridge, Weathersfield VT, project value \$874,000
- ❖ Tunbridge Cilley Covered Bridge, Tunbridge, VT, project value \$378,000
- ❖ Calvin Coolidge Homestead, Plymouth, VT, project value \$42,000
- ❖ NewsBank Inc. Structural Repairs, Chester, VT, project value \$41,275

Assistant Project Manager Projects include:

- ❖ Rutland City Public Schools, Rutland, VT, project value \$5,500,00
- ❖ Southview Apartments, Springfield, VT, project value \$3,500,000
- ❖ Flood Brook Union School, Londonderry, VT, project value \$1,938,666
- ❖ Ludlow Health Center, Ludlow, VT, project value \$1,500,000
- ❖ Linden Terrace, Rutland, VT, project value \$765,000

CERTIFICATIONS

ACI Concrete Flatwork Technician

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www.wrightconstruction.com

RICK CROSS
Senior Estimator

EXPERIENCE

2000 – Present

Wright Construction Co., Inc., Mount Holly, Vermont

Duties include estimating all major projects using Timberline Precision software.

Successfully bid projects include:

- ❖ Private Residence, Shrewsbury, VT, project value \$333,198
- ❖ Okemo South Face Village Water Supply, Ludlow, VT, project value \$1,181,178
- ❖ Rutland Intermediate School, Rutland, VT, project value \$1,149,753
- ❖ Rutland Middle School, Rutland, VT, project value \$58,050
- ❖ Sheldon Towers, Rutland, VT, project value \$419,500
- ❖ Wallingford Elementary School, Wallingford, VT, project value \$783,410
- ❖ STEM Academy, Rutland, VT, project value \$720,000
- ❖ Deerfield Valley Transit Facility, Wilmington, VT, project value \$4,204,811
- ❖ Lyman Hall, Poultney, VT, project value \$356,068
- ❖ Newhall Farm, Reading, VT, project value \$672,653
- ❖ Lebanon Landfill Office Expansion, Lebanon, NH, project value \$212,062
- ❖ Main Street Arts, Saxtons River, VT, project value \$936,000
- ❖ Wilmington Maintenance Facility, Wilmington, VT, project value \$557,812
- ❖ Rockingham Garage Repair, Bellows Falls, VT, project value \$44,752
- ❖ West River Valley Assisted Living, Townshend, VT, project value \$1,659,506
- ❖ Peru Town Office, Peru, VT, project value \$387,000
- ❖ Brookside Apartments Balcony Repair, Bennington, VT, project value \$258,834
- ❖ Bentley House, Green Mountain College, Poultney, VT, project value \$365,914
- ❖ Fletcher Memorial Library, Ludlow, VT, project value \$63,968
- ❖ Brattleboro State Office Bldg, Brattleboro, VT, project value \$2,256,990
- ❖ Pittsfield Town Office, Pittsfield, VT, project value \$665,982
- ❖ Crafts Inn, Wilmington, VT, project value \$289,281
- ❖ Southern State Correctional Facility Generator Building, Springfield, VT, project value \$799,468
- ❖ Smith Haven Apartments, South Londonderry, VT, project value \$535,285
- ❖ Private Residence Project, Belmont, VT, project value, \$920,000
- ❖ Springfield Adult Day Care, Springfield, VT, project value \$103,153
- ❖ Claremont Middle School, Claremont, NH, project value \$308,151
- ❖ Cornish Elementary School, Cornish, NH, project value \$265,967
- ❖ Allen Street Dental, Rutland, VT, project value \$112,000
- ❖ Stafford Technical Center, Rutland, VT, project value \$1,314,000
- ❖ Morningside Shelter, Brattleboro, VT, project value \$159,196
- ❖ Springfield Housing Authority Whitcomb & Huber Buildings, Springfield, VT, project value \$138,150
- ❖ Adele Stanley Apartments, Rutland, VT, project value \$557,000
- ❖ Calvin Coolidge Visitor's Center, Plymouth, VT, project value \$1,800,000
- ❖ Black River High School, Ludlow, VT, project value \$335,000
- ❖ Renovation of the Stephen A. Douglas Birthplace, Brandon, VT project value \$268,000
- ❖ Middlebury Latter Day Saints Church, Middlebury, VT, project value \$1,100,000
- ❖ Leland & Gray Union High School, Townshend, VT, project value \$2,289,000
- ❖ Claremont Schools, Claremont, NH, project value \$290,854
- ❖ Depot Visitors Center, Londonderry, VT, project value \$358,000

Construction Professionals Serving New England States

SINCE 1984



- ❖ Flood Brook Union School, Londonderry, VT, project value \$1,938,666
- ❖ Cilley Covered Bridge, Tunbridge, VT, project value \$382,000
- ❖ Justin Morrill Visitor Center, South Stafford, VT, project value \$522,000
- ❖ Ludlow Health Center, Ludlow, VT, project value \$1,200,000
- ❖ Ludlow Town Hall, Ludlow, VT, project value \$567,395
- ❖ Eagleville Bridge, Salem, NY, project value \$1,414,000
- ❖ Southview Apartments, Springfield, VT, project value \$3,500,000
- ❖ Kalow Technologies, North Clarendon, VT, project value \$ 500,000
- ❖ Haverhill Bath Covered Bridge (general contractors bid), Haverhill, NH, project value \$1,250,000
- ❖ Bennington Downtown State Office Building, Bennington, VT, project value \$2,500,000
- ❖ Rutland City Public Schools, Rutland, VT, project value \$5,500,000
- ❖ Rutland City Hall & Police Station, Rutland, VT, project value \$1,704,000
- ❖ Fairlee Elementary School, Fairlee, VT, project value \$2,300,000
- ❖ W. Fairlee Elementary School, W. Fairlee, VT, project value \$2,659,000
- ❖ Slate Covered Bridge, Swanzey, NH, project value \$836,333
- ❖ Black River High School Sprinkler, Ludlow, VT, project value \$143,321
- ❖ Quechee Library, Quechee, VT, project value \$240,194
- ❖ Chester Town Hall, Chester, VT, project value \$77,444.00
- ❖ Rutland Housing Project, Rutland, VT, project value \$147,002
- ❖ Luzenac Combined, Ludlow, VT, project value \$360,602
- ❖ Stratton Locker Room, Stratton, VT, project value \$511,458
- ❖ Okemo Marketplace, Ludlow, VT, project value \$95,270
- ❖ Croker Hall, Austine School, Brattleboro, VT, project value \$1,000,000+
- ❖ Carriage Hill, Cavendish, VT, project value \$1,000,000

Successfully bid projects with Guaranteed Maximum Price estimates and/or Design Build estimates include:

- ❖ Leland and Gray Union High School (construction management), Townshend, VT project value \$2,289,000
- ❖ Black River Academy (construction management), Ludlow, VT, project value \$389,000
- ❖ Crafts Inn (design build), Wilmington, VT, project value \$480,076
- ❖ Kinhaven Phase III (negotiated) , Weston, VT, project value \$168,835
- ❖ Linden Terrace (construction management), Rutland, VT, project value \$765,000
- ❖ Springfield Auto (construction management), Springfield, VT, project value \$140,000
- ❖ Ninevah Dam (construction management), Mount Holly, VT, project value \$275,000
- ❖ Tunbridge Central School (construction management), Tunbridge, VT, project value \$1,230,328
- ❖ Bishop/Tobin Residence (design/build), Mt. Holly, VT, project value \$350,000
- ❖ Gabriel Residence (construction management), Stratton Mtn., VT, project value \$3,100,000
- ❖ Peebles Department Store (design/build), Springfield, VT, project value \$1,200,000
- ❖ Kiessling Residence (construction management), Ludlow, VT, project value \$3,500,000
- ❖ National Hanger (design/build), Bennington, VT, project value \$1,200,000
- ❖ Black River Produce (construction management), Springfield, VT, project value \$1,400,000
- ❖ H. Hirschmann Industries (design build), W. Rutland, VT, project value \$579,191
- ❖ Best Western Colonial Motel (design build), Ludlow, VT, project value \$528,121
- ❖ North Universalist Chapel (construction management), Woodstock, VT, project value \$499,815
- ❖ Applied Bolting Technology (design-build) Rockingham, VT, project value \$401,099
- ❖ Stratton Village Lodge (construction management) Stratton, VT, project value \$2,783,136
- ❖ Hawk Inn Conference Center (construction management) Plymouth, VT, project value \$850,000
- ❖ Hawk Inn Houses & Subdivision (construction mgmt) Plymouth, VT, project value \$440,752
- ❖ Tunbridge School, (construction management) Tunbridge, VT, project value \$1,230,328
- ❖ National Hanger (construction management) Bennington, VT, project value \$786,280
- ❖ Church of the Annunciation (design build) Ludlow, VT, project value \$747,034
- ❖ Ludlow Electric (design build) Ludlow, VT, project value \$139,141
- ❖ Gabriele/McInerney Residence (construction management) Stratton Mt., VT, project value \$2,800,000
- ❖ Fletcher Memorial Library (construction management) Ludlow, VT, project value \$180,000.00
- ❖ Mt. Holly Elementary School (construction management), Mt. Holly, VT, project value \$618,662

CONSTRUCTION PROFESSIONALS
SERVING SOUTHERN VERMONT AND NEW HAMPSHIRE
SINCE 1982

- ❖ Southview Apartments (negotiated), Springfield, VT, project value \$3,645,000
- ❖ National Hanger (design/build), Bennington, VT, project value \$1,269,315

1997 – 2000

Bradco Contracting, Inc., Dallas, Texas

Owned and operated Bradco Contracting Inc. The company constructed new residential homes and condominium units and remodeled damaged homes.

1994 – 1997

Choice Homes, Dallas, Texas

Construction Manager involved in the Choice first-time buyer program, overseeing sales people, warranty issues, scheduling closings with the title company and working with mortgage companies on pre-approvals for future construction starts.

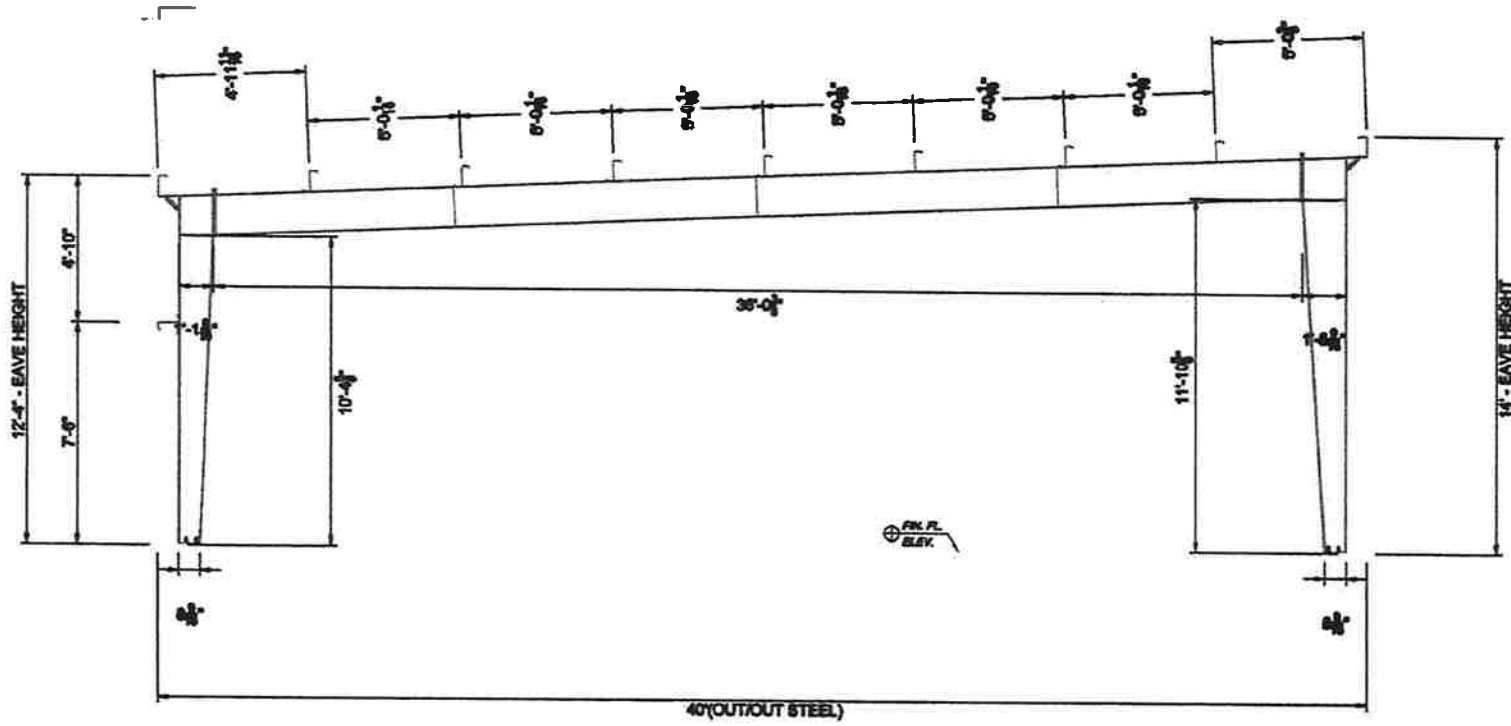
CONSTRUCTION PROFESSIONALS
SERVING SOUTHERN VERMONT AND NEW HAMPSHIRE
SINCE 1982

31 STATION ROAD • MT. HOLLY, VERMONT 05758 • (802) 259-2094 • FAX (802) 259-2689

RFP Response: Design/Build Construction Services
Public Works Facility
Town of Norwich, VT
WCC Job #: 2015-131
January 6, 2016

Metal Building

NOT FOR CONSTRUCTION



This drawing is not for construction. This drawing is intended to depict general building information and is solely for select presentation purposes. For clarity of presentation, items depicted may be different from actual design and final drawings. In the event of conflict between this drawing and the purchase order, the purchase order shall prevail.

SCISSOR DIMENSIONS ARE BASED ON THE SHOWN BUILDING SYSTEM. THEY DO NOT INCLUDE LEANES FROM ANY BUILDING SYSTEM OR ANY OTHER MATERIALS.

FINISH DIMENSIONS SHOWN ARE APPROXIMATE AND THE BUYER USE TO FIELD CONSTRUCTION AND LEANES.

VERTICAL DIMENSIONS BEGINNING ARE FROM FINISHED FLOOR REFERENCE ELEVATION.

DATE: 4/26/2010, 10:40

MANUFACTURER RESERVES THE RIGHT TO CHANGE THE FINAL SECTION OF DESIGN INFORMATION, E.G. DIMENSIONS, BULK PLATING/ANCHOR ROD SECTION, ETC. TO BE USED FOR CONSTRUCTION. MANUFACTURER MUST BE ADVISED PRIOR TO ACCEPTANCE OF ORDER.

CONTACT SELLER CHANGES FOR REVIEW BEFORE USING THIS INFORMATION FOR CONSTRUCTION.

IT IS THE BUYER'S RESPONSIBILITY TO COMMUNICATE TO MANUFACTURER THE NEED TO HOLD TO ANY PRELIMINARY DESIGN INFORMATION PROVIDED BY MANUFACTURER. MANUFACTURER WILL NOT BE LIABLE FOR ANY ERRORS IN FINAL SECTION OF THE SELLER'S DATA NOT COMMUNICATED TO MANUFACTURER.

ENGINEERING CERTIFICATION OF DIMENSIONS SUPPLIED BY MANUFACTURER WILL BE PROVIDED BY SELLER AND ASSIGNED BY LICENSED ENGINEER OR PEAL, EXCEPT OTHERWISE.

CROSS SECTION AT FRAME LINES "3-5" - (A) Norwich Public Works

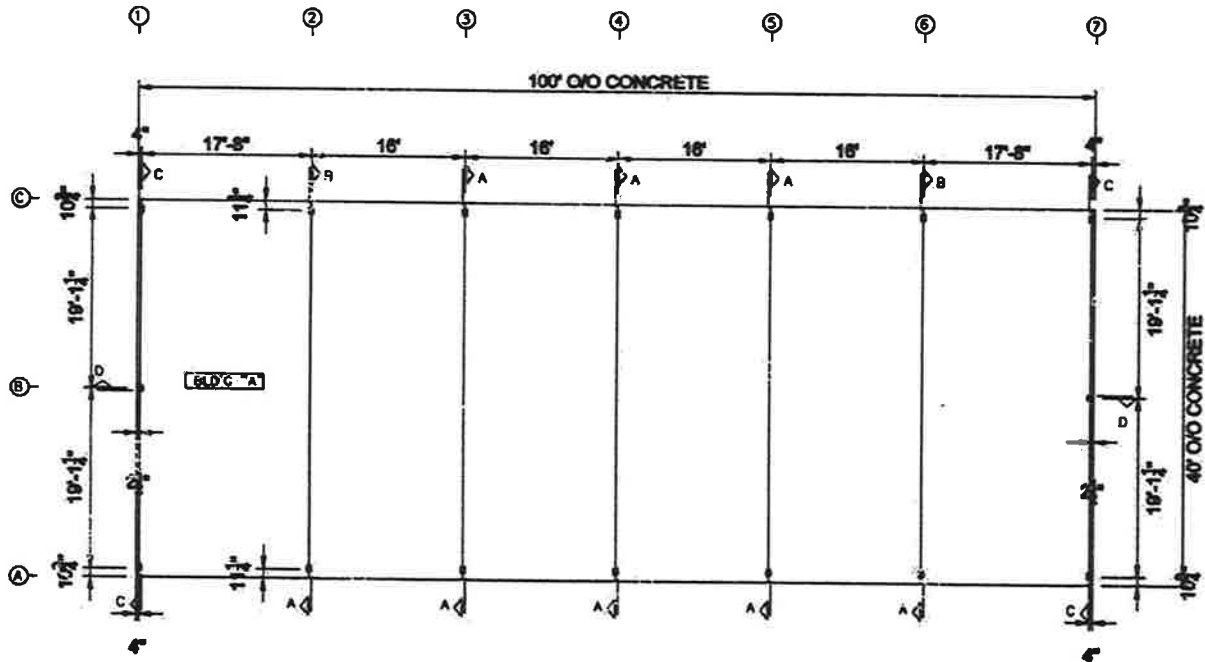
For Construction Approval
 For Submission
 For Approval
 For Submission

MBMA
 The engineer whose seal appears hereon is an employee of the manufacturer for the material or mechanical system. The use of information is limited to the product described and manufactured by the manufacturer only. The professional engineer is not the overall engineer of record for this project.

Created: Mon Jun 24 20:50:44 2014 System: CiviL 3.1.1

NOT FOR CONSTRUCTION

ACCESSORY SCHEDULE		
Mark	Description	Qty



This drawing is not for construction. This drawing is intended to depict general building information and is solely for sales presentation purposes. For clarity of presentation, items depicted may be different from actual design and first drawings. In the event of conflict between this drawing and the purchase order, the purchase order shall prevail.

ANCHOR ROD PLAN - (A) Norwich Public Works

SCENE SHOWN ARE BASED ON THE SPEC BUILDING FOOTING. THEY DO NOT INCLUDE LOADS FROM ANY BUILDING SYSTEMS OR ANY OTHER MATERIAL.
FOUNDATION MUST BE SQUARE AND LEVEL.
ALL ANCHOR RODS MUST BE FREE IN SIZE, LOCATION, AND PROJECTION.
ANCHOR ROD PROJECTIONS MUST BE HELD TO NOT INCREASE CLEAR OF FINISHED CONCRETE.

ENGINEERING CERTIFICATION OF MATERIALS SUPPLIED BY MANUFACTURER WILL BE PROVIDED BY GEN. AND SUBMITTAL OF RECORDS. CHARGES ON FINAL CRACKER DRAWING.
THIS DRAWING IS FOR ANCHOR ROD PLACEMENT ONLY AND IS NOT A SUBSTITUTE FOR FOUNDATION DESIGN.

CONTRACT SHALL CHANGES FOR REVIEW BEFORE THE FINAL SCENE OF RECORD IS SUBMITTED. GE. CLEARANCE, BULK PLATE/ANCHOR ROD SCENES IS TO BE USED FOR CONSTRUCTION MANUFACTURER MUST BE NOTIFIED PRIOR TO ACCEPTANCE OF ORDER.

IT IS THE BUYER'S RESPONSIBILITY TO COMMUNICATE TO MANUFACTURER THE NEED TO HOLD TO ANY PROVISIONS EXCESS INFORMATION PROVIDED BY MANUFACTURER MANUFACTURED WILL NOT BE LIABLE FOR ANY CHANGES TO FINAL SCENE IF THE BUYER DOES NOT COMMUNICATE TO MANUFACTURER.

MBMA

MBMA is an organization that represents the interests of the building industry. It is not an engineering firm and does not provide engineering services. The undersigned engineer is not an employee of MBMA and does not represent MBMA. The undersigned engineer is not responsible for the design or construction of the project shown on this drawing. The undersigned engineer is not responsible for the design or construction of the project shown on this drawing.

MBMA

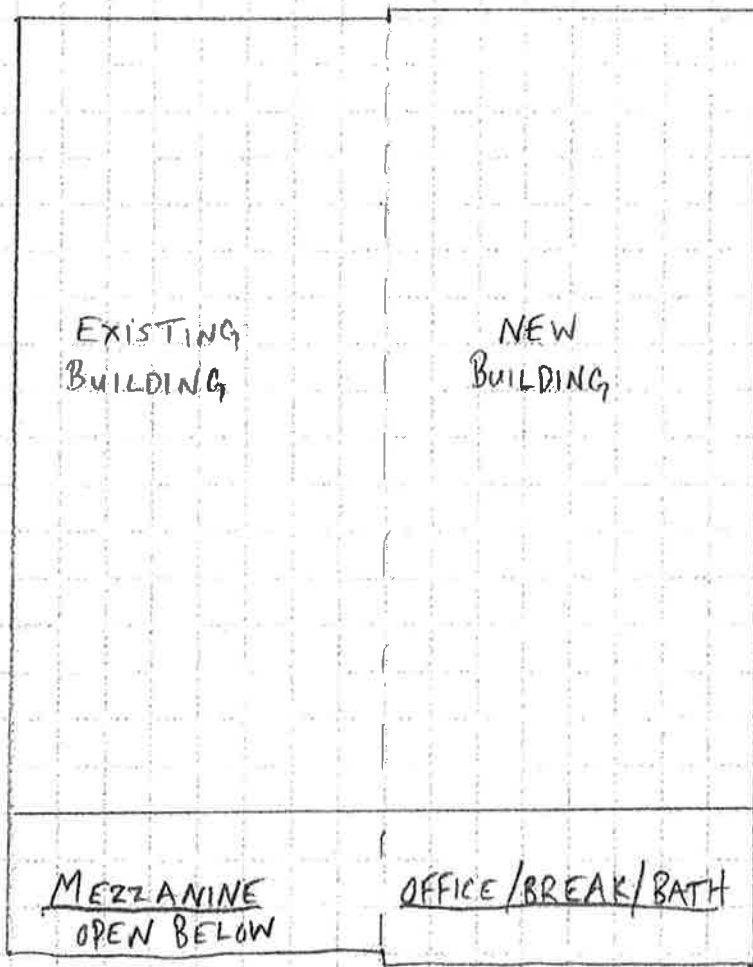
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WRIGHT

CONSTRUCTION COMPANY, INC.

PO Box 189
Mt. Holly, VT 05758
802.259.2094
802.259.2689 fax

Project Name: Norwich Public Works Facility
Project No.: 2015-131
Date: 1/6/16
Title: FLOOR PLAN
Drawn By: _____





FEATURES & SPECIFICATIONS

INTENDED USE — The I-BEAM® fluorescent high bay is an ideal one-for-one replacement of common metal halide high bay systems. Applications include manufacturing, warehousing, commercial facilities and retail. The fluorescent I-BEAM fixture performs at mounting heights from 15'-40'. **Certain airborne contaminants can diminish integrity of acrylic. Click here for Acrylic Environmental Compatibility table for suitable uses.**

CONSTRUCTION — Rugged fixture construction coupled with excellent fixture performance. Channel is formed of heavy-duty Code-gauge steel to stand up to the most demanding elements. Lamp holder assembly protects from incidental damage to reflectors during installation. Channel is high-gloss white baked enamel; five-stage iron phosphate pretreatment ensures superior paint adhesion and rust resistance.

OPTICS — Two optical systems are available. Narrow distribution is ideal for narrow or aisle lighting applications and features precision-formed segmented optics utilizing Alanod Miro® 4 specular aluminum reflectors. Provides 95% reflectivity and warranted for 25 years. Wide distribution includes high-reflectance white finish for general or open areas.

ELECTRICAL — Ballast: MVOLT 120-277V ballast accommodates most electrical requirements. Thermally protected, resetting, Class P, HPF, A+ sound-rated electronic ballast. AWM TFM or THHN wire used throughout rated for required temperatures.

Sockets: Sockets include secure positioning rotating collars with enclosed contacts.

INSTALLATION — Suitable for suspension by chain, cable or hook monopoint hanger. Access plate on the back of channel housing allows for quick and easy wiring.

LISTINGS — UL Listed to U.S. and Canadian safety standards.

WARRANTY — 2-year limited warranty. Complete warranty terms located at www.courtrights.com/CustomerResources/Terms_and_conditions.aspx

Actual performance may differ as a result of end-user environment and application.

NOTE: Specifications subject to change without notice.

Catalog Number
Notes
Type

Contractor Select

Fluorescent High Bays



ORDERING INFORMATION

Catalog Number	UPC	Description	# of Lamps	Wattage	Voltage	Distribution	Ballast Type	Lamp Included	Pullout Qty.	Standard Carton Qty.
IBZT5 4	745977144141	T5 fluorescent high bay	4	54	120-277	Narrow	Electronic, program start	N	51	1
IBZT5 4L	745977147197	T5 fluorescent high bay	4	54	120-277	Narrow	Electronic, program start	Y	51	1
IBZT5 4L WD	745977147227	T5 fluorescent high bay	4	54	120-277	Wide	Electronic, program start	Y	51	1
IBZT5 4 WD	745977147321	T5 fluorescent high bay	4	54	120-277	Wide	Electronic, program start	N	51	1
IBZT5 4 120/277 MSE360 ¹	745977147258	T5 w/ embedded sensor	4	54	120-277	Narrow	Electronic, program start	N	51	1
IBZT5 4L 120/277 MSE360 ¹	745977147289	T5 w/ embedded sensor	4	54	120-277	Narrow	Electronic, program start	Y	51	1
IBZT5 4L WD 120/277 MSE360 ¹	745977147302	T5 w/ embedded sensor	4	54	120-277	Wide	Electronic, program start	Y	51	1
IBZT5 4 WD 120/277 MSE360 ¹	745977147357	T5 w/ embedded sensor	4	54	120-277	Wide	Electronic, program start	N	51	1
IBZT5 6	745977147432	T5 fluorescent high bay	6	54	120-277	Narrow	Electronic, program start	N	36	1
IBZT5 6L	745977147470	T5 fluorescent high bay	6	54	120-277	Narrow	Electronic, program start	Y	36	1
IBZT5 6L WD	745977147517	T5 fluorescent high bay	6	54	120-277	Wide	Electronic, program start	Y	36	1
IBZT5 6 WD	745977147519	T5 fluorescent high bay	6	54	120-277	Wide	Electronic, program start	N	36	1
IBZT5 6 120/277 MSE360 ¹	745977147623	T5 w/ embedded sensor	6	54	120-277	Narrow	Electronic, program start	N	36	1
IBZT5 6L 120/277 MSE360 ¹	745977147630	T5 w/ embedded sensor	6	54	120-277	Narrow	Electronic, program start	Y	36	1
IBZT5 6L WD 120/277 MSE360 ¹	745977147609	T5 w/ embedded sensor	6	54	120-277	Wide	Electronic, program start	Y	36	1
IBZT5 6 WD 120/277 MSE360 ¹	745977147616	T5 w/ embedded sensor	6	54	120-277	Wide	Electronic, program start	N	36	1
IBZT8 4	745977147661	T8 fluorescent high bay	4	32	120-277	Narrow	Electronic, instant start	N	51	1
IBZT8 4L	745977147678	T8 fluorescent high bay	4	32	120-277	Narrow	Electronic, instant start	Y	51	1
IBZT8 4L WD	745977147692	T8 fluorescent high bay	4	32	120-277	Wide	Electronic, instant start	Y	51	1
IBZT8 4 WD	745977147708	T8 fluorescent high bay	4	32	120-277	Wide	Electronic, instant start	N	51	1
IBZT8 4 120/277 MSE360 ¹	745977147715	T8 w/ embedded sensor	4	32	120-277	Narrow	Electronic, program start	N	51	1
IBZT8 4L 120/277 MSE360 ¹	745977147685	T8 w/ embedded sensor	4	32	120-277	Narrow	Electronic, program start	Y	51	1
IBZT8 4L WD 120/277 MSE360 ¹	745977147814	T8 w/ embedded sensor	4	32	120-277	Wide	Electronic, program start	Y	51	1
IBZT8 4 WD 120/277 MSE360 ¹	745977147784	T8 w/ embedded sensor	4	32	120-277	Wide	Electronic, program start	N	51	1
IBZT8 6	745977147791	T8 fluorescent high bay	6	32	120-277	Narrow	Electronic, instant start	N	36	1
IBZT8 6L	745977147807	T8 fluorescent high bay	6	32	120-277	Narrow	Electronic, instant start	Y	36	1
IBZT8 6L WD	745977147845	T8 fluorescent high bay	6	32	120-277	Wide	Electronic, instant start	Y	36	1
IBZT8 6 WD	745977147869	T8 fluorescent high bay	6	32	120-277	Wide	Electronic, instant start	N	36	1
IBZT8 6 120/277 MSE360 ¹	745977147000	T8 w/ embedded sensor	6	32	120-277	Narrow	Electronic, program start	N	36	1
IBZT8 6L 120/277 MSE360 ¹	745977148040	T8 w/ embedded sensor	6	32	120-277	Narrow	Electronic, program start	Y	36	1
IBZT8 6L WD 120/277 MSE360 ¹	745977148088	T8 w/ embedded sensor	6	32	120-277	Wide	Electronic, program start	Y	36	1
IBZT8 6 WD 120/277 MSE360 ¹	745977148170	T8 w/ embedded sensor	6	32	120-277	Wide	Electronic, program start	N	36	1

COOPER LIGHTING - METALUX®

DESCRIPTION

The GR8 is a T8-dedicated lensed troffer designed to offer premium performance in a low profile housing. T8 dedication and optimized lamp to lens spacing provides the best in energy efficiency and optical control. The GR8's shallow, low profile housing is compatible with even highly restrictive plenums. Luminaires are compatible with today's popular ceiling systems.

The GR8 offers great performance and great quality. The series is an excellent choice for commercial offices, schools, hospitals, retail merchandising and many other applications.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Construction

Unitized low profile recessed housing is die formed of code gauge prime cold rolled steel with full length stiffeners and unibody endplate for added strength. Ballast cover is easily removed without tools. Die formed captive lampholder bracket fully encloses lampholder wiring for easy lampholder replacement. Ample KO's are provided for continuous row wiring. Built-in grid-lock feature for safety and convenience.

Electrical**

Ballasts are CBM/ETL Class "P" and are positively secured by mounting bolts. Rotor-lock lampholders. UL/CUL listed. Suitable for damp locations.

Finish

Multistage, iron phosphate pretreatment ensures maximum bonding and rust inhibition. Lighting grade baked white enamel finish with premium reflectance for high efficiency.

Hinging/Latching

Positive spring loaded steel latches and safety lock T-hinges provide secure, high quality door fit and allow hinging and latching from either side.

Frame/Shielding

Heavy gauge flat steel door is die formed with reinforced mitered corners. Housing and door frame assemblies incorporate full width mechanical light traps. Light stabilized, acrylic prismatic lens.

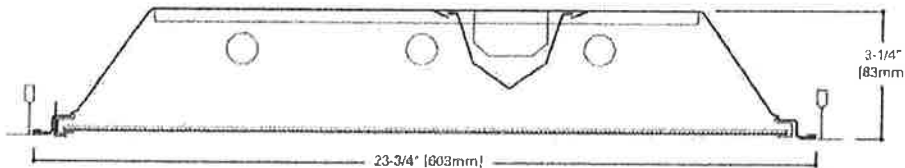
Controls

Fifth Light ballast options are offered for both 0-10V continuous dimming and DALI applications. Combine with energy-saving products like occupancy sensors, daylighting controls, and lighting relay panels from Cooper Controls (www.coopercontrol.com) to maximize energy savings.

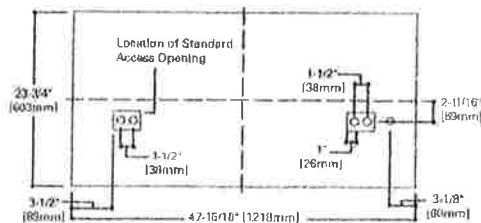
**2GR8
328T8
332**

**2' X 4' TROFFER
3 T8 LAMPS**

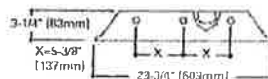
General Purpose
T8 Commercial Troffer



MOUNTING DATA

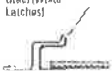


LAMP CONFIGURATIONS

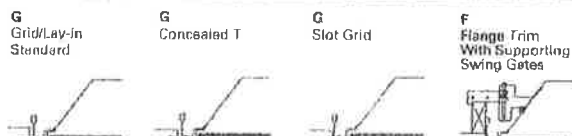


DOOR FRAMES

2GR8
Flat White
Steel/White
Latches



CEILING COMPATIBILITY



COOPER LIGHTING

ENERGY DATA

Input Watts:
EB Ballast & STD Lamps
328T8 (67)
332 (91)

Luminaire Efficacy Rating
LER = FL-75
Catalog Number: 2GR8-332A

Yearly Cost of 1000 lumens,
3000 hrs at .08 KWH = \$3.20

*Standard G (Grid) Type Fixtures can be field converted by adding trim kits. See Compatibility Section or Consult Factory.

**Reference the lamp/ballast data in the Technical Section for specific lamp/ballast requirements.

***When ordering Flange Kit for installation in drywell ceilings, see options and accessories compatibility section and ordering logic.

LAMPS CONTAIN MERCURY. DISPOSE ACCORDING TO LOCAL, STATE OR FEDERAL LAWS

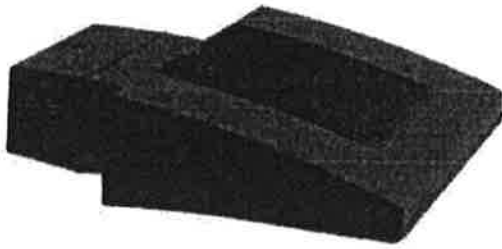
LINEAR DISCONNECT

Safe and convenient means of disconnecting power.



ADF012708

WPLED26



Project:

Type:

Prepared By:

Date:

Driver Info

Type:	Constant Current
120V:	0.26A
208V:	0.16A
240V:	0.14A
277V:	0.12A
Input Watts:	30W
Efficiency:	88%

LED Info

Watts:	26W
Color Temp:	5000K (Cool)
Color Accuracy:	70 CRI
L70 Lifespan:	100,000
Lumens:	2,662
Efficacy:	90 LPW

LED 26W Wallpacks. Patent Pending thermal management system. 100,000 hour L70 lifespan. 5 Year Warranty.

Color: Bronze

Weight: 7.5 lbs

Technical Specifications

Listings

UL Listing:

Suitable for wet locations. Suitable for mounting within 1.2m (4ft) of the ground.

DLC Listed:

This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities.

Dark Sky Approved:

The International Dark Sky Association has approved this product as a full cutoff, fully shielded luminaire.

LED Characteristics

Lifespan:

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

Color Consistency:

7-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color.

Color Stability:

LED color temperature is warranted to shift no more than 200K in CCT over a 5 year period.

Color Uniformity:

RAB's range of CCT (Correlated color temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2015.

Construction

IP Rating:

Ingress Protection rating of IP66 for dust and water.

Finish:

Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color, and contains no VOC or toxic heavy metals.

Ambient Temperature:

Suitable for use in 40°C ambient temperatures.

Cold Weather Starting:

The minimum starting temperature is -40°C.

Thermal Management:

Cast aluminum Thermal Management system for optimal heat sinking. The LPACK is designed for cool operation, most efficient output and maximum LED life by minimizing LED junction temperature.

Green Technology:

RAB LEDs are Mercury, Arsenic and UV free.

For use on LEED Buildings:

IDA Dark Sky Approval means that this fixture can be used to achieve LEED Credits for Light Pollution Reduction.

Electrical

Driver:

Multi-chip 26W high output long life LED Driver Constant Current, 720mA, Class 2, 6kV Surge Protection, 100V-277V, 50-60 Hz, 100-240V, 4 Amps.

THD:

7.5% at 120V, 11% at 277V

Other

California Title 24:

See WPLED26/PC for a 2013 California Title 24 compliant model

Equivalency:

The WPLED26 is Equivalent in delivered lumens to a 175W Metal Halide Wallpack.

HID Replacement Range:

The WPLED26 can be used to replace 150 - 200W Metal Halide Wallpacks based on delivered lumens.

Patents:

The WPLED design is protected by U.S. Pat. D634878, Canada Pat 134878, China Pat. CN301649064S.

Country of Origin:

Designed by RAB in New Jersey and assembled in the USA by RAB's IBEW Local 3 workers.

Country of Origin:

Designed by RAB in New Jersey and assembled in Taiwan.

Trade Agreements Act Compliant:

This product is a product of Taiwan and a "designated country" end product that complies with the Trade Agreements Act.

GSA Schedule:

Suitable in accordance with FAR Subpart 25.4.

Optical

BUG Rating:

B1 U0 G0

RFP Response: Design/Build Construction Services
Public Works Facility
Town of Norwich, VT
WCC Job #: 2015-131
January 6, 2016

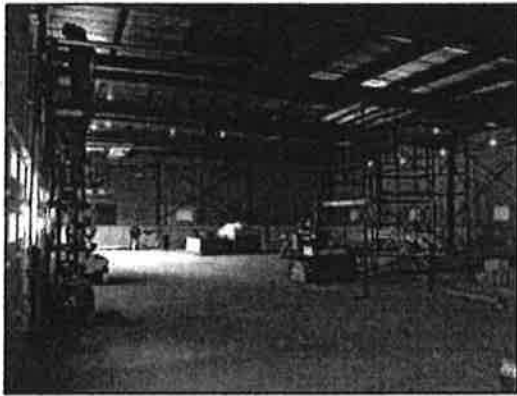
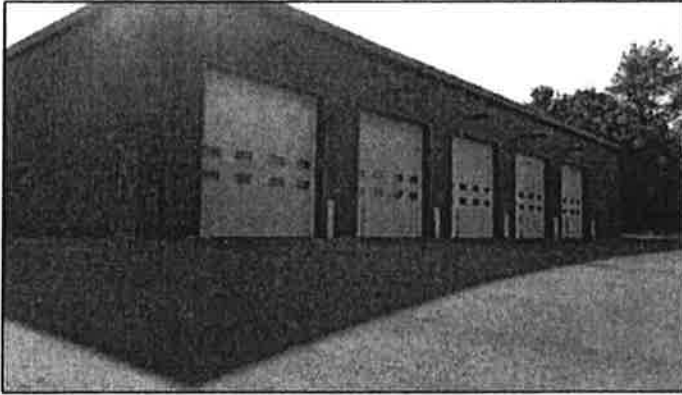
Schedule

Norwich Public Works Facility
Wright Construction Co., Inc. - Project Schedule

ID	Task Mode	Task Name	Duration	Start	Finish	Month																									
						January	February	March	April	May	June	July																			
1	↕	Sign Contract	2 days	Mon 1/18/16	Tue 1/19/16	1/10	1/17	1/24	1/31	2/7	2/14	2/21	2/28	3/6	3/13	3/20	3/27	4/3	4/10	4/17	4/24	5/1	5/8	5/15	5/22	5/29	6/5	6/12	6/19	6/26	7/3
2	↕	Complete Design/Permitting	53 days	Wed 1/20/16	Fri 4/1/16																										
3	↕	Excavate for Foundation	5 days	Mon 4/4/16	Fri 4/8/16																										
4	↕	Demo - Ongoing	15 days	Mon 4/4/16	Fri 4/22/16																										
5	↕	Drill Well	3 days	Mon 4/11/16	Wed 4/13/16																										
6	↕	Concrete	15 days	Mon 4/11/16	Fri 4/29/16																										
7	↕	Backfill	2 days	Mon 5/2/16	Tue 5/3/16																										
8	↕	Erect Building	10 days	Wed 5/4/16	Tue 5/17/16																										
9	↕	Roof	5 days	Wed 5/18/16	Tue 5/24/16																										
10	↕	Siding	5 days	Wed 5/25/16	Tue 5/31/16																										
11	↕	Interior Walls and Mezzanine	5 days	Wed 6/1/16	Tue 6/7/16																										
12	↕	Electrical/Mechanical Rough	10 days	Wed 6/1/16	Tue 6/14/16																										
13	↕	Drywall/Painting	10 days	Wed 6/15/16	Tue 6/28/16																										
14	↕	Electrical/Mechanical Finishes	5 days	Wed 6/22/16	Tue 6/28/16																										
15	↕	Site Finishes	2 days	Wed 6/8/16	Thu 6/9/16																										

RFP Response: Design/Build Construction Services
Public Works Facility
Town of Norwich, VT
WCC Job #: 2015-131
January 6, 2016

Similar Projects



CHESTER AOT GARAGE
CHESTER, VT
\$963,565

Construction of a new (5) bay maintenance facility including foundation, site-work, building structure & membrane roof.

Civil Engineering Associates, Elliot Clark 802-864-2323
VT Dept. of Transportation, Brad McAvoy 802-249-1942

WRIGHT
CONSTRUCTION COMPANY, INC.

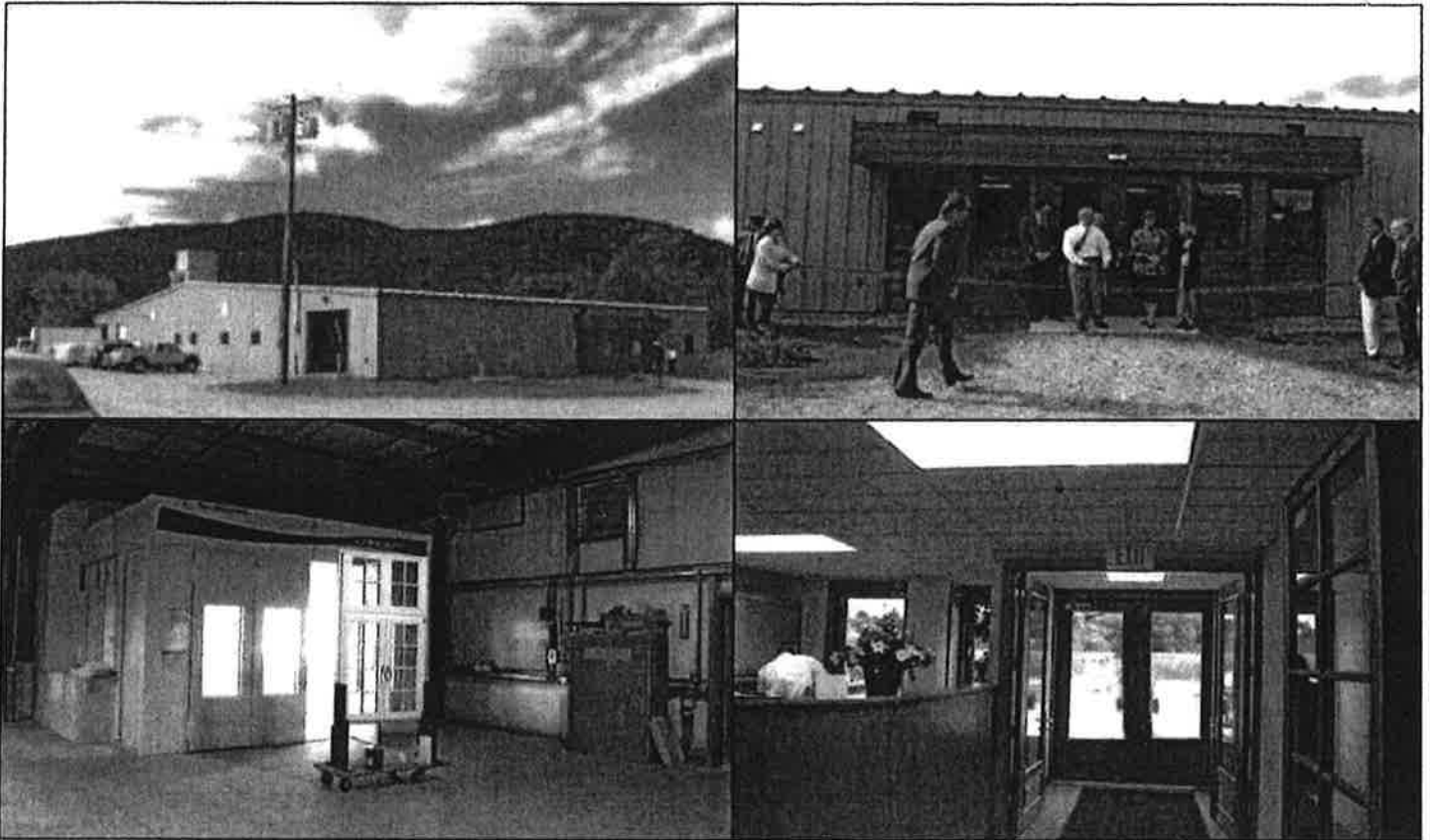


**WILMINGTON AOT GARAGE
WILMINGTON, VT
\$563,536**

A new 100'x60' maintenance facility for the Vermont Department of Transportation in Wilmington, VT. This project involved erecting new structural steel framing with wood infill, installation of metal decking & membrane roofing system.

*Civil Engineering Associates, Elliot Clark 802-864-2323
VT Dept. of Transportation, Brad McAvoy 802-249-1942*

WRIGHT
CONSTRUCTION COMPANY, INC.



H. HIRSCHMANN, LTD WEST RUTLAND, VT

Phase I: This 10,000 S.F. all new office and manufacturing facility was in jeopardy of becoming abandoned due to severe budget problems discovered in the preliminary design phase. Wright Construction Company was brought into the team and took charge of final design and solving the budget problems. Utilizing all their experience and expertise with pre-engineered metal building systems, the design was completed in February, permits secured in March and ground breaking took place mid April. The facility was completed 14 weeks. Later with the Owner shipping product out of the new loading dock by mid August. This project is an excellent example of how the Design/Build delivery system should work when an experienced, conscientious and competent contractor is utilized.

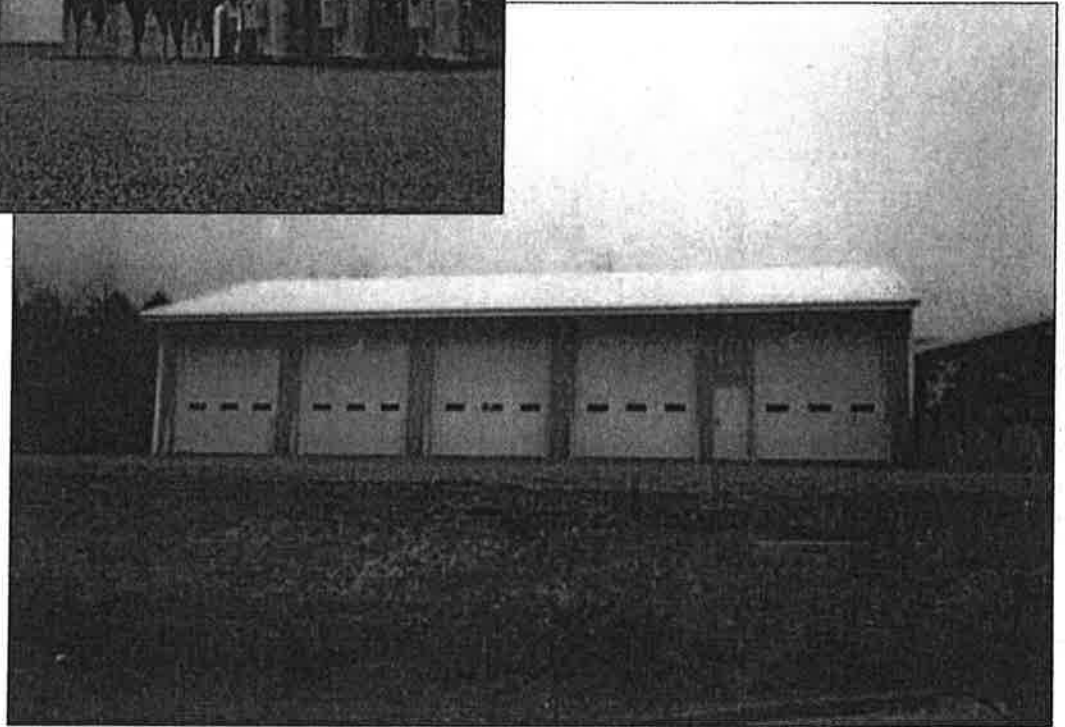
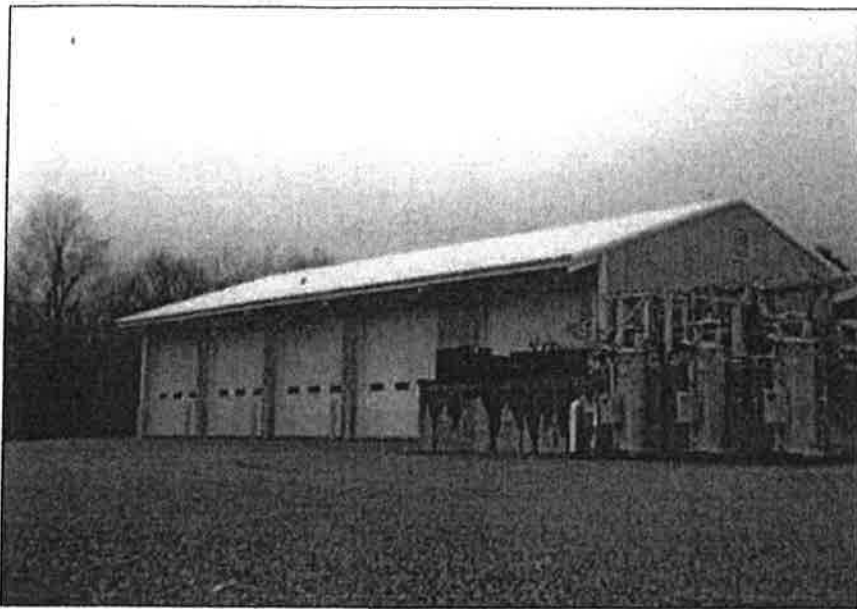
Phase II: In 2012 H. Hirschmann Ltd realized the need to expand their facility and contacted us to plan for the expansion. What we did was double the size of the facility and add more manufacturing space, more offices and conference room, added a second spray booth and created additional parking.

Phase I: \$550,000

Phase II: \$824,000

NBF Architects- 802-775-3168
Rolf Hirschmann – 802-438-4447

WRIGHT
CONSTRUCTION COMPANY, INC.



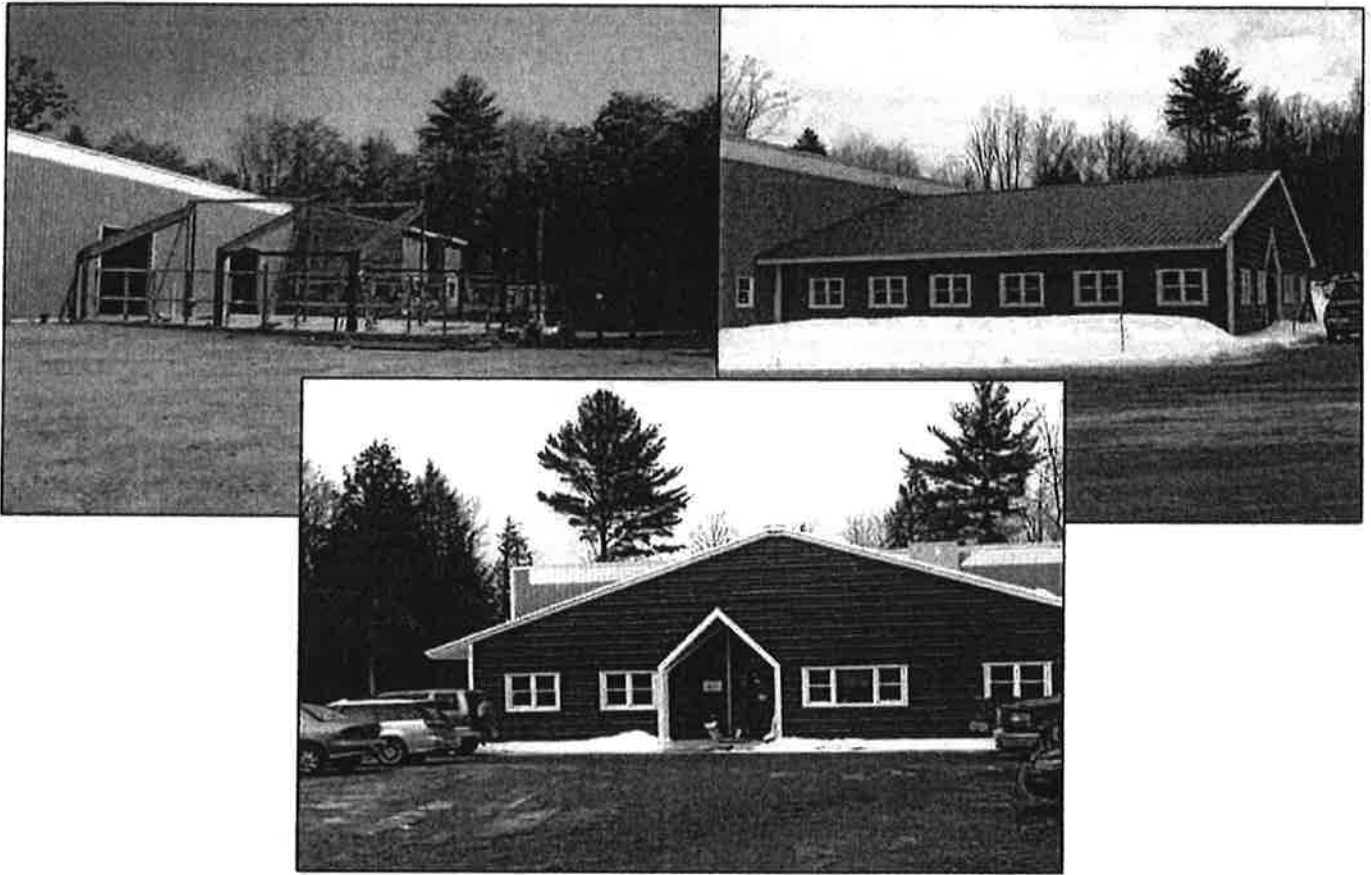
LUDLOW ELECTRIC MAINTENANCE BUILDING
LUDLOW, VT
\$160,000

3,200 square feet addition metal building system with mezzanine and pole storage yard.

Design Build Project
Structural Engineering Consultant – Dufresne-Henry, Inc.

Ludlow Electric – Herald Barton Sr. – 802-228-3232

WRIGHT

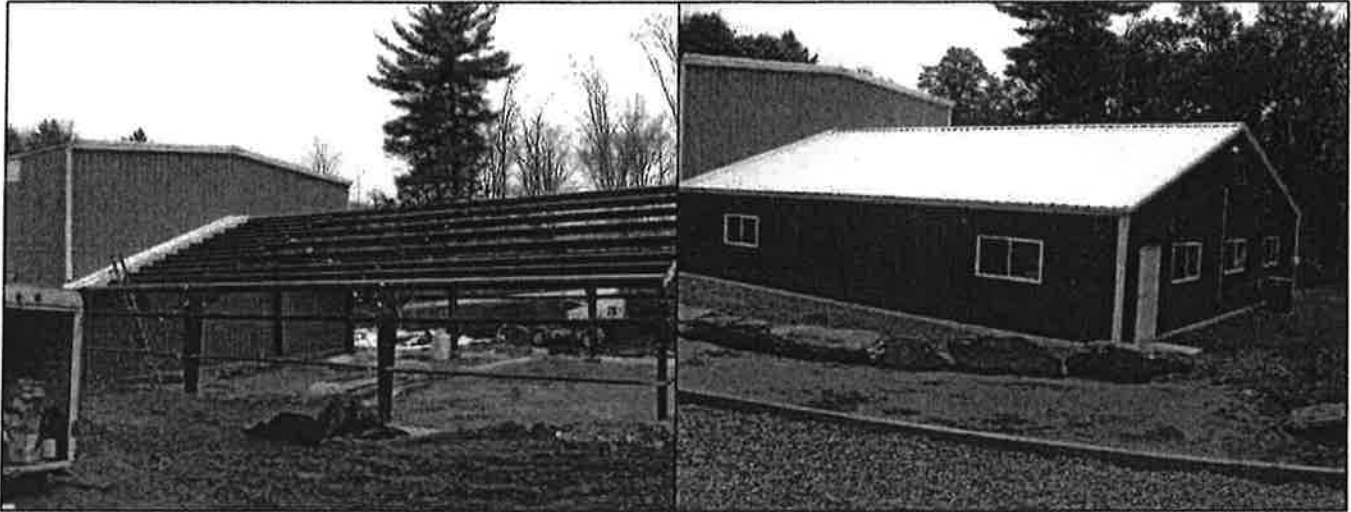


**APPLIED BOLTING TECHNOLOGY
ROCKINGHAM, VT
\$375,000**

This project consisted of 3600 square feet of pre-engineered steel building housing offices and lab spaces. It is attached to the existing 5000 square foot warehouse which was upgraded to fit the owner's needs. The basic building frame and the mechanical system were identified as major areas where cost would be reduced. Wright Construction Company worked with a pre-engineered building supplier to provide the same size building frame at a substantially lower cost. The selected mechanical subcontractor also reviewed and redesigned the mechanical system to meet the cost constraints. Wright Construction Company coordinated the necessary design and permitting support and developed a plan that addressed all the owners' needs. This project was completed in December of 2001

Wayne Wallace 802-463-3100
NBF Architects- Ralph Nimtze 802-775-3168

WRIGHT
CONSTRUCTION COMPANY, INC.



APPLIED BOLTING TECHNOLOGY
Phase 2
ROCKINGHAM, VT
\$264,000

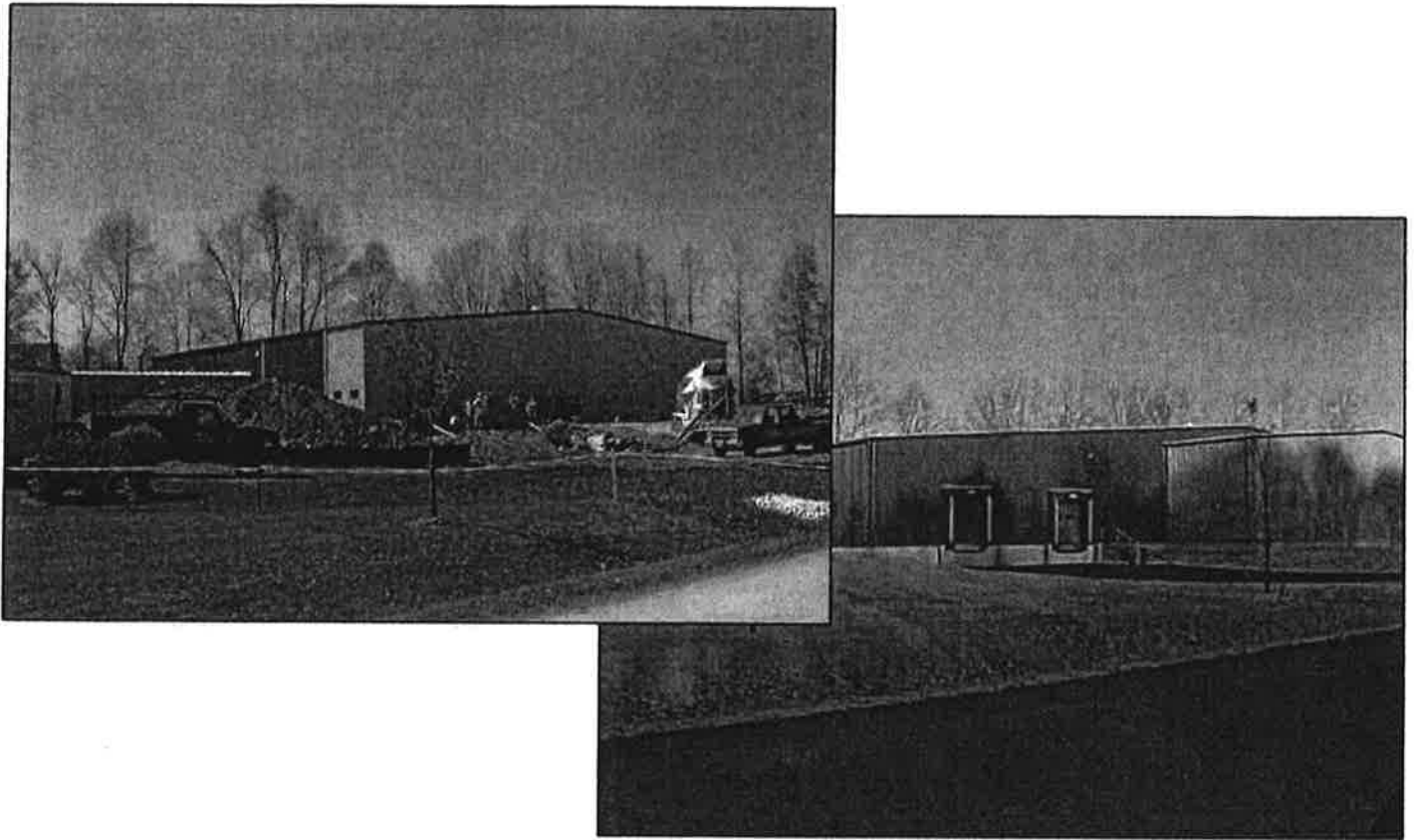
After review of the plans to build a 5000 sq ft Applied Bolting facility in 2002, Wright Construction Company was able to provide alternative framing and mechanical systems that substantially lowered the costs incurred by the owner.

In 2006, when Applied Bolting had outgrown these facilities, owner Wayne Wallace came directly to Wright Construction Company and a 2900 sq ft pre-engineered steel building addition was added to the building. This addition houses additional work space and a storage area.

Wright Construction Company worked with a pre-engineered building supplier to provide the addition. The basic building frame was designed to match the existing building. This was a design build project. Wright Construction filed the necessary permits and was prepared to move the project forward as soon as permits were secured. The permitting procedure began in December 2006 and the interior of the building was completed in July 2007.

Wayne Wallace 802-463-3100





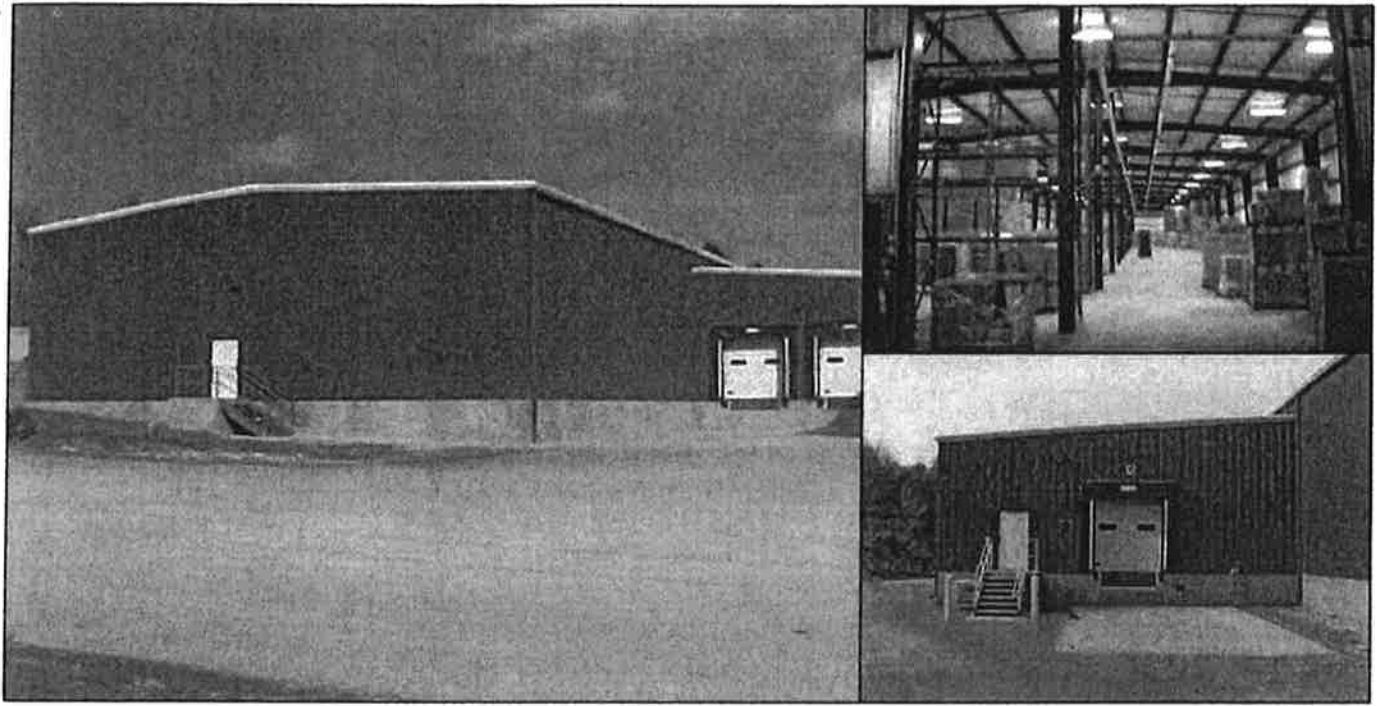
**KALOW TECHNOLOGIES
NO. CLARENDON, VT
\$581,000**

This project consisted of a 14,400 square foot pre-engineered metal building addition to the existing Kalow Technologies building located in the REDC Industrial Park in North Clarendon, VT. The metal building was supplied by Varco Pruden and Wright Construction Company was responsible for all the phases of erection, insulation, siding and roofing. The Owner was responsible for design, mechanical and electrical work.

The purpose of the addition is primarily to expand the manufacturing area, allow for additional product storage and the north lean-to is envisioned for future office expansion.

Richard Gile 802-775-4633

WRIGHT
CONSTRUCTION COMPANY, INC.



**NATIONAL HANGER WAREHOUSE ADDITION
BENNINGTON, VT
\$1.2 Million**

This project is a 22,000 square foot pre-engineered metal building addition to an existing storage warehouse. The contract format for this project was Design / Build. The metal building was manufactured by Varco-Pruden. The new addition has a 4 overhead door loading dock area; the balance of the building is used for product storage. The building foundation insulation is R-10, achieved via standard rigid insulation, the building walls are R-22, achieved via 6" batts and "Low E" (a reflective insulation product constructed of a foam core bonded to two exterior surfaces of highly polished aluminum, Low E resists convective currents and serves as a thermal block, an air infiltration barrier and vapor retarder, Low E also has an R value of 3) the roof insulation is made up of fiberglass batts and Low E for a total R value of 33. The mechanical system incorporates a new oil fired boiler that supplies new ceiling mounted unit heaters with thermostatically controlled roof vents, the electrical system essentially provides efficient area lighting over the entire warehouse and loading dock, one truck light at each loading dock door to shine into the truck and duplex receptacles both interior and exterior as well as emergency and Exit lighting. The building has a complete "wet pipe" sprinkler system. Construction began in August 2005 and completed January 2006.

EH Danson Architects- Mark Wheeler 802-748-5239
NAHANCO- Michele Pilcher 802-426-4377

WRIGHT
CONSTRUCTION COMPANY, INC.



**POULTNEY SAND SHED
POULTNEY, VERMONT
\$232,000**

This 70' x 104' pole barn structure was constructed in two months. The project originally called for setting the poles in 2' diameter sona tubes and casting them in place in the vertical position. In order to expedite the erection process Wright came up with a plan of pre-casting 2 ft by 2 ft concrete bases on the 41 poles while they were supported in a horizontal position on the ground and then set the poles in place with a crane after the concrete had cured. Wright Construction self performed all work for this project except for the placement of the stone ballast around the perimeter of the building.

Engineer – Forcier Aldrich & Associates - (802) 879-7733

WRIGHT
CONSTRUCTION COMPANY, INC.

Spates Construction, Inc.

P. O. BOX 860 802-766-5000
Derby, VT 05829 802-766-2142 fax
E-mail: spates@together.net

PROPOSAL

Page 1 of 1

Proposal Submitted To: Town of Norwich	Date: January 6, 2016
Street:	Job Name: Addition of Existing Town Garage
Town, State & Zip Code: Norwich, VT	Job Location: Norwich, VT
Attn: Neil Fulton	Architect: None

We hereby submit pricing for the new 4,000 sf +/- addition off the existing town garage. The work will include the building site work, concrete work for the foundation, misc metals for the mezzanine construction, insulation for the foundation and buildings (roof and walls), new windows by Star, relocating existing windows from existing bldg, interior and exterior man doors, interior wall framing for office area and mechanical space, drywall, taping, painting, toilet accessories, plumbing, heating and electrical. Please see the attached scope of work for more details of each part of the work quoted. We are basing our scope on the RFP sent out on Dec. 21st and the pre-bid meeting notes dated Dec. 31, 2015 with exclusions and clarifications noted below and in the attached scope of work.

EXCLUSIONS:

Any work not specifically noted as included is to hereby be considered excluded from this proposal. We have not included any work for temporary power (assuming we will be able to tie onto the owners existing electrical system) or performance and payment bonds. No patch paving or Sprinkler. We have only included permitting for Fire Safety and the work permits for the plumbing and electrical trades.

BASE BID for 40' x (match width of existing) Pre-engineered bldg addition off existing town garage \$457,867.50

~~We Propose~~ hereby to furnish material and labor - complete in accordance with above specifications, for the sum of:
Four Hundred Fifty Seven Thousand Eight Hundred Sixty Seven dollars and 50/100 \$457,867.50.

Payment to be made as follows: To be determined

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado and other necessary insurance. Our workers are fully covered by Workman's Compensation Insurance.

Authorized Signature **Oscar Thayer**

Note: This proposal may be withdrawn by us if not accepted within 30 days.

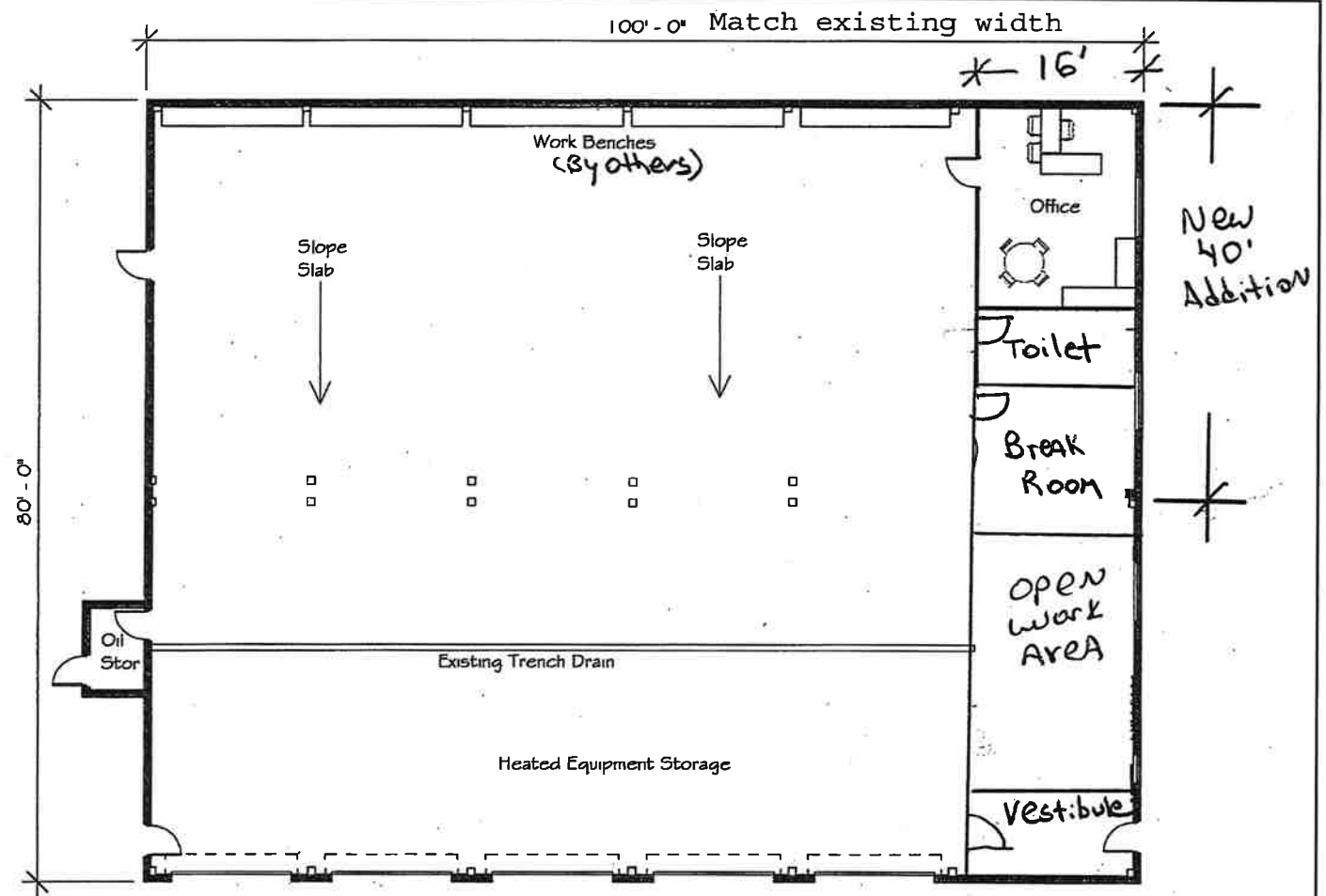
Acceptance of Proposal - The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified.

Payment will be made as outlined above.

Signature: _____

Date of Acceptance: _____

TOWN OF NORWICH	ADDITION PRICING		1/6/2016
Description			BID/LINE TOTALS
GENERAL REQUIREMENTS			\$39,330.00
Well Drilling			\$22,000.00
SITWORK, PATCH PAVE			\$28,600.00
RIGID INSULATION			\$1,380.00
			\$0.00
DEMO			\$8,695.00
CONCRETE			\$62,700.00
			\$0.00
			\$0.00
ANCHOR BOLTS			\$747.50
STEEL STAIRS AND MEZZ framing			\$19,800.00
Mezz deck and rails			\$7,590.00
DOORS/FRAMES/HARDWARE			\$5,635.00
			\$0.00
MEMBRANE ROOFING			\$33,770.00
			\$0.00
INTERIOR STUDING, DRYWALL			\$35,200.00
			\$0.00
			\$0.00
TAPING & PAINTING			\$5,500.00
SPECIALTIES			\$690.00
PRE-ENGINEERED STEEL BLDG.			\$91,600.00
BLDG TRAVEL			\$8,280.00
FLOORING AND BASE			\$3,850.00
			\$0.00
PHVAC			\$44,000.00
ELECTRICAL			\$38,500.00
TOTAL			\$457,867.50



Town of Norwich
 Proposed Addition to existing Town Garage
 Not to Scale
 Jan. 6, 2016

Town of Norwich, VT
Addition to Town Garage
SCOPE OF WORK
January 6, 2016

GENERAL REQUIREMENTS:

1. Any work not specifically noted as included is to be hereby considered excluded from our budget quote.
2. All Testing by others.
3. The pre-engineered building structure will be designed and stamped by a Star Engineer registered in the State of Vermont.
4. As you know the materials market is in a constant state of flux. We will need to review this proposal after 14 days.
5. No performance or payment bond costs included in the building budgets.
6. No utility company charges included.
7. Permit fees as follows: (Fire Safety permit, Plumbing and Electrical work permits)
8. We have not included any budget for an All Builder's Risk policy. This is usually carried by the owners as it is more cost effective that way.

SITework:- ADDITION

1. Excavation, backfill and compaction for the foundation of the 40 x (width to match existing) addition of the back of the existing structure.
2. No work is included for bringing in power since there is existing power already in place.
3. We have carried the well quote provided with the RFP. We are assuming that this quote includes all work for the drilling, piping, controls and power. The excavation of the trench from the well to the building will be performed by the owner's crew.
4. All patch paving is to be done by others.
5. We did not include a drain trench or holding tank with this option. We are assuming that the existing trench drain has a method in place to take care of the out flow from the system.

CONCRETE: - ADDITION

1. Includes the forming and pouring of footings and frostwalls for the footprint of the addition off the existing bldg. Footings 24" x 12" and nominal 6' high x 8" thick frost walls with rebar.
2. We have included a section of taller wall at the corner of the addition that will be against the bank.
3. The slab would be 6" thick reinforced with wire mesh sheets, 6x6 6/6.
4. There is no trench drain with this option. The floor slab will be designed to slope to the existing building.
5. We have included the demolition required to cut down the foundation wall at the area common to the existing and new addition. The wall we be cut down, between the existing column piers, to a level that will allow the addition slab to pour over the wall and abut the existing slab.

Town of Norwich, VT
Addition to Town Garage
SCOPE OF WORK
January 6, 2016

METAL BLDG.: - ADDITION OF THE EXISTING BLDG.

1. The pre-engineered metal bldg. system for the addition will be as manufactured by Star Building Systems out of Oklahoma City, OK. The building will be a single slope structure, attached to the existing building, 40' x (width to match existing) with 14'-0" eaves at the high end, and a 1/2 on 12 roof slope. Minimum clearance under the frames at the low end is 10'. The eave height of the existing building at the connection point is 16'.
2. The building structure will be designed according to the IBC 2012 building code and the pre-engineered building plans will bear the stamp of an Engineer registered in the State of Vermont.
3. The exterior wall siding for the addition will be a 26 ga. Star PBR panel and will have a "Signature 300" paint finish. This panel is an exposed fastener panel. I have attached product data for this panel and paint/finish information with this package.
4. Star siding will be all one color.
5. The roofing system for the addition will a 24 ga standing seam panel as provided by the building manufacturer. The panel is called Doublelok. The panel is provided with a galvanized finish, NOT painted. See attached data on the panel system.
6. A replacement roof system for the existing garage will be installed as part of the addition quote. There will be a membrane roof will be installed over the existing roof. There will be 1 1/2" of rigid insulation installed between the major roof ribs with 2 1/2" of rigid insulation installed on top of that. Finally the roof itself will be a .060 TPO membrane. The system is quoted with a 15 year manufacturer's warranty.
7. We have based the building's design using tapered columns.
8. All steel framing, primary structural and secondary, to be provided with a red primer coat finish. No other finishes/painting of the framing steel is included in this pricing.
9. In the building shell steel erection budget we have included the setting of the red steel, siding and roof decking. We have an R-25 faced fiberglass insulation system for the exterior walls. Also included is the installation one two pass doors.
10. We have not included any pipe bollards for protection of the building corner or siding.

Town of Norwich, VT
Addition to Town Garage
SCOPE OF WORK
January 6, 2016

INSULATION: - ADDITION

1. The roof insulation for the addition will be a fiberglass system that will provide an R-40 rating. The roof insulation uses a banding system underneath the roof secondary framing that will conceal that framing. Over the bands there will be a white vapor barrier and then the fiberglass insulation. The main thickness of insulation will run with the secondary framing and the thinner layer will run perpendicular to the secondary framing. This system provides fall protection for our crew as well as an excellent system for insulating a pre-engineered structure.
2. The information for the new membrane roof and insulation system over the existing building is described in the previous section.
3. We have included 2" rigid insulation for the three walls of the new addition.
4. The wall insulation system uses metal bands with prongs designed to hold the insulation in place. The sidewall cavity is filled with fiberglass to achieve an R-25. There is also a thermal break material that is installed over the building secondary support framing that separates the siding from the framing.
5. All areas of the wall insulation will have the standard white facing. The facing used is able to be left exposed and meet the building code.
6. The interior walls will be insulated with fiberglass for sound insulation.

DOORS/WINDOWS: - Addition

1. Hollow metal insulated steel doors and steel frames are included. There are two exterior pass doors and five for the interior. The exterior entry doors, (All @ 3' x 7'), are provided with NRP Butts, Grade 1 lever handled lockset, weather stripping and threshold. Doors and frames are provided with a primer coat for finishing in the field.
2. The interior doors and frames are also 3' x 7' and are constructed from steel. All are provided with butts, Grade 1 lever handled lockset and wall/floor stop. Doors and frames are provided with a primer coat finish for finishing in the field.
3. In the addition option we have included only two exterior pass doors that matches the size of the existing bldg.

Town of Norwich, VT
Addition to Town Garage
SCOPE OF WORK
January 6, 2016

INTERIOR FINISHES: - Addition

1. The balance of the interior, exterior walls and roof, of the main addition will be left with the vapor barrier of the insulation systems left exposed.
2. We have figured providing VCT flooring for the office, break and bathrooms. On the framed walls covered with gypsum there will be a 4" vinyl base on all walls with sheetrock.
3. The ceilings of the office, break room and toilet will be gypsum, taped and painted.
4. The partitions for the area below the mezzanine will be framed with steel studs designed to carry the load of the mezzanine above. The mezz deck will be framed with steel joists and covered on top by a metal deck. On top of the deck we will have a wearing surface of plywood.
5. Due to the length of the mezzanine we have had to include two sets of stairs to access the mezzanine from the main floor.
6. We have a rail system at the edge of the mezzanine that will act as a guardrail to protect from falls.
7. Interior furnishings by others. No cabinets included in this budget. Assuming cabinets to be provided by others for the break room sink included in the plumbing scope.

HEATING & PLUMBING: Addition

1. Heating for the addition garage area. Heat for the new area will be provided by two LP gas fired radiant tube heaters.
2. Removal and reinstallation of the existing solar tank and panels is included in the scope.
3. Heating for the new office/break and bathroom areas located under the new mezzanine. There will be a hot air furnace installed on the mezzanine that will heat the areas noted.
4. A bathroom exhaust fan is included in the HVAC scope.
5. Exhaust venting for the garage addition. This includes the relocation of the existing exhaust fans to the exterior wall of the addition.
6. No air conditioning included in the scope.
7. The new bathroom will be provided with a toilet, urinal and lav. A slop sink is also included. Location to be determined, but needs to be close to the main plumbing trunk lines. The break room will also have a sink.
8. The plumbing waste line will run across the building underslab and will continue to the tie in point for the mound system. Excavation and backfill from 5' outside the building footprint will be performed by others.
9. It is assumed that the water line will be run over to the building by the well driller. Running the line into the building and up onto the new mezzanine will be coordinated between the well driller and plumber.

Town of Norwich, VT
Addition to Town Garage
SCOPE OF WORK
January 6, 2016

ELECTRICAL: - ADDITION

1. The scope of work assumes that the existing panel will be able to be fitted to add a subpanel to provide power to the new addition.
2. Includes the labor to remove the existing wiring, outlets, devices that are located on the wall that is being opened up between the existing and addition areas.
3. Includes an allowance for installing new lighting with sensors for the new addition. This lighting package will meet the Eff VT standards for energy savings and rebates.
4. Exit and emergency lighting as required.
5. Typical GFCI receptacles around the perimeter, including one welder and one compressor receptacle as well.
6. Providing power for the added heating equipment.
7. Providing power for ventilation and exhaust fans.
8. Providing labor and materials for paddle fans for the new addition only.
9. No new fire alarm is included in the pricing. This pricing includes adding devices to cover the addition that would be tied into the existing system.
10. Conduit runs would be surface in the addition area.
11. CAD plans for the work would be provided. Plans and design will not be stamped by an Engineer.
12. Fee for electrical permit carried in budget.
13. **No work is carried to bring the existing garage up to the current electrical code. Extent of work required is not known.**



TRUMBULL - NELSON CONSTRUCTION CO., INC.

200 Lebanon Street, P.O. Box 1000
Hanover, NH 03755-1000
TEL 603-643-3658 • FAX 603-643-2924
trumbullnelson@t-n.com • www.t-n.com

January 6, 2016

Mr. Neil Fulton, Town Manager
Town of Norwich, Vermont
P.O. Box 376/300 Main Street
Norwich, Vermont 05055

Re: Public Works Facility

Dear Neil,

We are pleased to submit our Design/Build proposal for the construction of a 40'x100' addition to the existing Public Works facility, located at 26 New Boston Road in Norwich.

Our proposal is based upon the Request for Proposal (RFP) for Design/Build Construction Services, and Outline Specification dated 12/21/15, as Phi Dechert's Minutes from the Pre-Bid Site Visit of 12/31/15.

The addition will be a Butler pre-engineered steel structure, complete with an MR-24 roof, insulated with 2 layers of fiberglass insulation (R28 total). The siding will be clad with eShadowall ribbed panels, with 8" vinyl-faced fiberglass insulation (R25).

The roof of the existing facility will be insulated with isocyanurate insulation (R16), and covered with Firestone 60 mil mechanically-fastened EPDM roofing material.

The interior of the addition will include a 6" concrete slab over vapor barrier (sealing of concrete by owner), and we have included the framing and finish of the Office, Break Room and Rest Room, with a framed mezzanine overhead.

The new addition will receive a propane Radiant Tube Heater, with gas piping to a regulator furnished and installed by others. The Office, Rest Room and Break Room will be heated by a gas-fired heater. Electrically, we have included new fire alarm connected to the existing system, new bench receptacles, energy-efficient fluorescent high bay light fixtures in truck bays, new LED exterior light over new door, and Electrical and Fire Alarm Permits.

We have also included the cost of drilling a new well, as well as the sitework related to the building. It is our understanding that the Town will be responsible for the excavation, backfilling, and pavement patching for the piping associated with the well and the septic system.



Not included in our estimate are such items as surveys, civil engineering, new septic system, propane tank, trench drain, oil separator, sealing of concrete slab, sprinkler system, ceiling fan, underground tank, dry hydrant, testing, ceiling fans, sales tax or hazardous materials discovery and/or abatement.

We have included an itemized breakdown of our estimate for your review, as well as a preliminary schedule showing a May Project start, with an August completion. Also, we have included information regarding similar projects that we have done in the past.

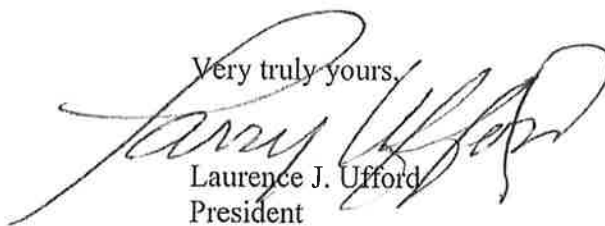
Ed Friedman will be our Project Manager for this Project, and will gladly meet with you to review our proposal, present our plan of the addition for your consideration, discuss subcontractors we intend to use, and answer any questions you may have.

Our estimate for this Project is a sum in the amount of Five Hundred Twenty-Six Thousand, Thirty-Five Dollars (\$526,035).

It should be noted that the above estimate includes a Project Contingency in the amount of Ten Thousand Dollars to be used to cover the cost of the inevitable unforeseeables that occur in every construction project.

Thank you for the opportunity to provide this estimate. If you have any questions or comments, please feel free to contact me or Ed Friedman.

Very truly yours,



Laurence J. Ufford
President

Standard Estimate Report
Norwich Town Garage

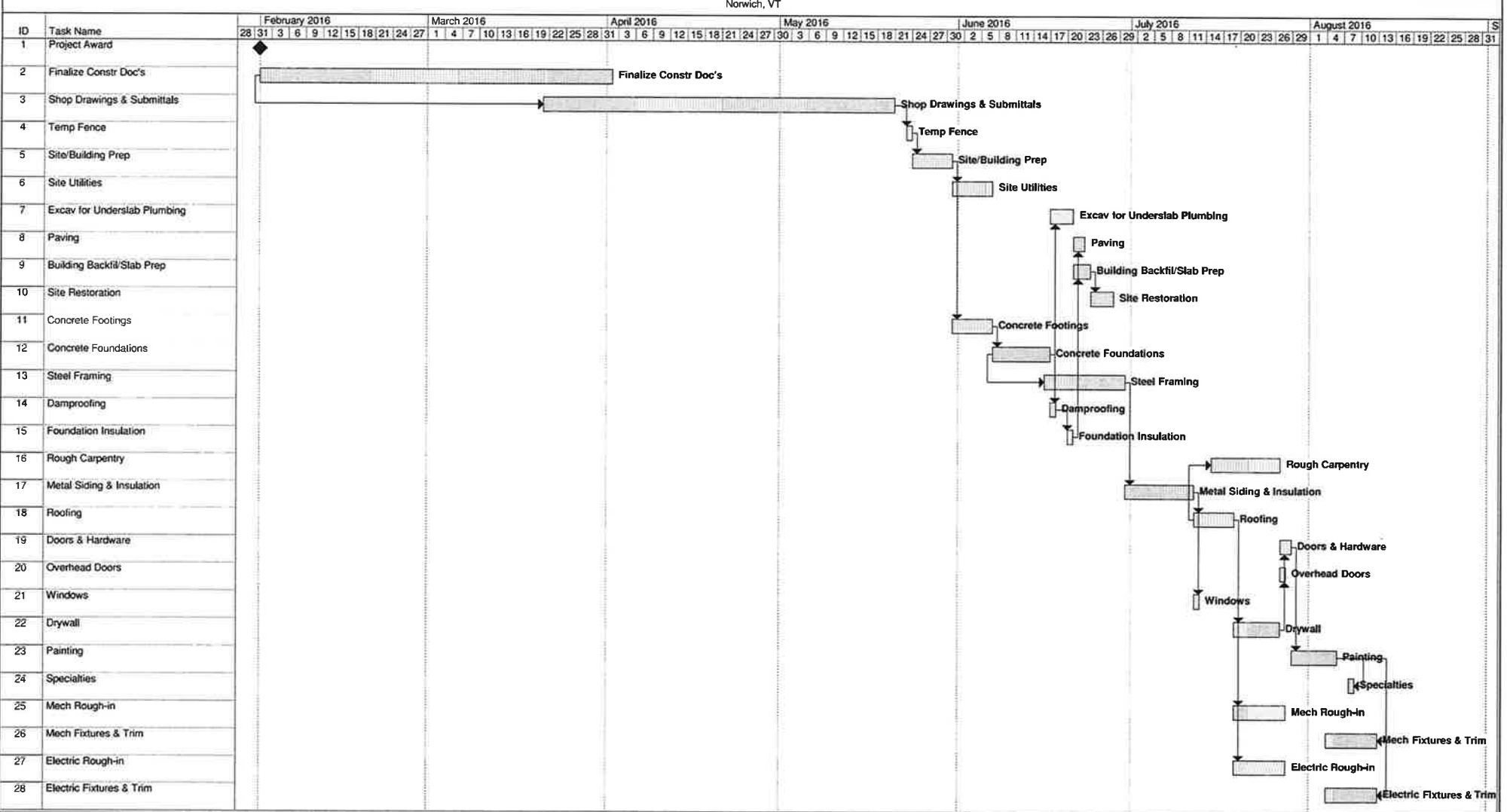
Project name	Norwich Town Garage
Estimator	Ed Friedman
Labor rate table	2014 Contract Labor
Equipment rate table	Contract
Job size	4000 sf
Duration	4 mos
Report format	Sorted by 'Group phase/Phase' 'Phase' summary

Description	Quantity	Total Amount
1000.000 GENERAL COND		
1011.000	In House Design	10,000
1023.000	Telephone	975
1025.000	Toilet	405
1027.000	Field Offices	900
1031.000	Misc Material	900
1033.000	Cartage	2,145
1034.000	Misc Yard Labor	1,500
1055.000	Remove Rubbish	9,291
1121.000	Superintendent	47,012
GENERAL COND		73,127
682.000	Labor hours	
525.60	Equipment hours	
2000.000 SITE WORK		
2022.000	Selective Demolition	10,123
2200.000	Earthwork	32,920
2930.000	Water	19,100
SITE WORK		62,143
132.00	Labor hours	
3000.000 CONCRETE		
3020.000	Misc Conc Items	718
3090.000	Concrete Subcontractor	54,410
CONCRETE		55,128
16.00	Labor hours	
6000.000 CARPENTRY		
6010.000	Carpentry Staging	1,555
6117.000	Partitions	6,014
6118.000	Rough Stairs	978
6121.000	Wall Sheathing	785
6123.000	Deck Sheathing	4,405
6331.000	Rim Joist	681
6340.000	Prefab Joists	15,040
6416.000	Railings	7,116
6880.000	Nails & Fasteners	1,000
CARPENTRY		37,573
362.67	Labor hours	
7000.000 THERMAL/MOISTURE		
7200.000	Insulation	515
7210.000	Foundation Insul	1,735
7221.100	Wall Fiberglass	1,096
7330.000	Metal Roofing	37,500
THERMAL/MOISTURE		40,846
30.46	Labor hours	
8000.000 DOORS & WINDOWS		
8100.000	Hollow Metal	4,864
8450.000	Vinyl Windows	4,252
8700.000	Finish Hardware	964
DOORS & WINDOWS		10,080
84.00	Labor hours	
9000.000 FINISHES		
9220.000	Hang and Finish GWB	3,304

Description	Quantity	Total	
			Amount
9520.000	Resilient Floor		1,406
9521.000	Vinyl Base		575
9721.000	Paint Interior Walls		4,365
FINISHES			9,650
112.86	Labor hours		
10000.000 SPECIALTIES			
10100.000	Toilet Access		562
SPECIALTIES			562
3.50	Labor hours		
13000.000 SPECIAL CONST			
13600.000	Pre-Engineered Buildings		49,662
13602.000	Unload and Shake Out		1,308
13611.000	WS Inter Frames		12,510
13613.000	WS IF Endwall		5,004
13614.000	WS Purlins		5,679
13615.000	WS Girts		14,244
13616.000	WS Bracing		8,080
13672.000	MR-24 Roof		4,357
13677.000	Perpendic Flash		4,077
13682.000	Shadowall		3,423
13695.000	Gable Trim		1,248
13696.000	Eave Trim		2,600
SPECIAL CONST			112,191
992.21	Labor hours		
85.280	Equipment hours		
15000.000 MECHANICAL			
15100.000	HVAC		44,126
15200.000	Plumbing		12,000
MECHANICAL			56,126
16000.000 ELECTRICAL			
16200.000	Elect System		25,750
ELECTRICAL			25,750

Estimate Totals

Description	Amount	Totals	Hours	Rate	Cost per Unit
Labor	135,235		2,415.694 hrs		33.809 /sf
Material	101,244				25.311 /sf
Subcontract	231,387				57.847 /sf
Equipment	15,312		610.880 hrs		3.828 /sf
Other					
	<u>483,178</u>	483,178			<u>120.795 /sf</u>
VT Equipment Tax	919			6.000 %	0.230 /sf
Overhead & Profit %	29,046			6.000 %	7.261 /sf
Contingency - Percentage	10,000			2.070 %	2.500 /sf
L&I Permit (post '83 bldg)	2,893			5.500 \$ / 1,000	0.723 /sf
Total		526,036			131.509 /sf



Project: LMS Storage Bldg
Date: Tue 1/5/16

Task: [Task Icon] Milestone: [Milestone Icon] Rolled Up Task: [Rolled Up Task Icon] Rolled Up Progress: [Rolled Up Progress Icon] External Tasks: [External Tasks Icon] Group By Summary: [Group By Summary Icon]

Progress: [Progress Icon] Summary: [Summary Icon] Rolled Up Milestone: [Rolled Up Milestone Icon] Split: [Split Icon] Project Summary: [Project Summary Icon]

This is a preliminary schedule for estimating purposes. It is not a commitment to complete any task on a specific date.

Route 132 Culvert

Bidder	Proposal
Griffin and Griffin	126,700
Conkey Enterprises	136,292
Daniels Construction	138,250
Winterset	143,651
G & N	148,700
Willey Earth Moving	149,000
Thomson Excavating	151,345
Hook	183,265
Northwoods Excavating	219,328
L&M	234,500
Beard	295,800

Griffin & Griffin Excavating, Inc.

1909 Airport Road
N. Fayston, VT 05660

Estimate

Date	Estimate #
1/5/2016	911

Name / Address
Town of Norwich Dept. Public works 26 Boston Road Norwich, VT 05055

Project	Terms

Description	Qty	Cost	Total
Remove & Replace Box Culvert on Rt 132 in Norwich, VT, by house # 533 Pricing included on sheet # 2	1	\$ 126,700.00	\$ 126,700.00

One Hundred Twenty Six Thousand Seven ^{Hundred 09/100} Total \$ 126,700.00

Signature Robert D Griffin
owner / president

Phone #	Fax #
802-583-2500	802-496-5478

Project manager
Michael Allen
802 - 371 - 8918

36" CPP
Culvert

Sand bags
concrete blocks with plastic

pump if
needed

GRIFFIN & GRIFFIN EXCAVATING, INC.

1909 AIRPORT RD
NORTH FAYSTON VT 05660

802-583-2500 Fax 802-496-5478 E-mail northfayston@gmavt.net

BY Pass

INSTALL 36" Pipe
concret blocks
Plastic over blocks
sand bag on plastic
temp pipe will be
4' off outside of
New box culvert

Remove TEMP 36"
after box culvert
is installed
backfill box culvert

Put temp 36" Inside
Inlet box culvert
4' River sand bags
dig wing walls
set wing walls
back fill
same on outlet



week 1

- set up Sign's & Road Closure
- lay out of new culvert
- install temp 36" pipe for by pass,
- Remove old culvert
- grade for new culvert
- set new culvert
- Remove temp. pipe
- back fill box culvert

week 2

- Put in 36" pipe Inlet & outlet
- grade & set wing walls
- backfill
- Place type II rip rap
- top soil slope
- box cut for gravel
- Open road
- allow traffic for
- 3 week's
- PAVE Road

Conkey Enterprises, LLC
146 Goose Pond Road, Canaan, NH 03741
603-632-5005 email artconkey@gmail.com

Town of Norwich, Vermont
300 Main Street
PO Box
Norwich, VT 05055

January 6, 2016

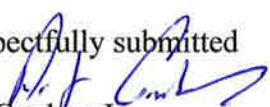
Bid Proposal for - "Route 132 Box Culvert"

Project Cost - \$136,292.00

Mobilization and demobilization	\$4500.00
To install silt fence, remove guard rails, saw cut asphalt, clear, grub and demo existing concrete culvert.	\$19,100.00
To excavate to sub grade, install ¾ inch ledge stone bedding (approximately 60 yards plus or minus) for culvert and wings, dewater as required, set culvert and place channel material in culvert, back fill culvert and wing walls with 3 inch dense grade stone backfill (360 yards plus or minus), place rip rap (40yards), top soil, seed, mulch and prep for pavement.	\$37,280.00
To provide pre cast box culvert with wing walls, all footings, as describe and shown on bid package. Price is for a ten foot span and a 5 or 6 foot rise, which ever the town of Norwich prefers, note that the supplier said working with Pat Ross on a few projects last year he requested that all box culvert have 2 feet of bury	\$50,012.00
To install 75 feet steel beam guard rail	\$6,000.00
To replace 50 ton of asphalt Note: I could believe it could run up extra 25 ton.	\$14,400.00
Testing allowance	\$5,000.00

Schedule for project will take 2 weeks, no more than 30 days depending on weather and if ledge is found or problem with suppliers. Our schedule in the spring can be work around the town of Norwich.

Respectfully submitted


Art Conkey Jr.

Owner/Manager of Conkey Enterprises, LLC



**DANIELS
CONSTRUCTION**

PROPOSAL

SUBMITTED TO: Town of Norwich
300 Main Street, PO Box 376
Norwich, VT 05055

ATTENTION: Town Manager
PHONE: (802) 649-2209
FAX PHONE: (802) 296-0060
JOB NAME: Box Culvert
JOB LOCATION: VT Route 132

January 6, 2016

WE HEREBY SUBMIT SPECIFICATIONS AND ESTIMATES FOR:

Engineering

Survey, Design (geometry) and PE stamped Precast Shop Drawings (designed per AASHTO HL-93)

Construction

Mobilize and close road to traffic per MUTCD standards (2 week maximum road closure).

Install and maintain a temporary water diversion system.

Excavate and demolish the existing concrete bridge structure.

Dewatering of excavation area to settling basin or silt-sack.

Place 12" inches of ¾" crushed stone bedding beneath box culvert.

Install precast cutoff walls (4' below streambed), precast box culvert (30' long x 10' clear width x 7' clear height), precast headwalls (2' tall) and flared precast wing walls (8' long x 10'-8" tall).

Mortar precast joints/pockets as recommended by manufacturer.

Fill invert of box culvert with 12" of either native streambed material or VTrans' *Streambed Stone Fill Material*.

Place and compact backfill materials - clean gravel 1' around box culvert and excavated material elsewhere.

Armor disturbed banks with type II stone fill.

Construct 6" crushed gravel roadway subbase within work limits.

Remove and reinstall existing w-beam guardrail.

Repave roadway within work limits.

Grade and restore the site to existing (or better) condition.

WE PROPOSE to furnish materials, equipment and labor - complete in accordance with the above specifications for the sum of:

******* One Hundred Thirty Eight Thousand Two Hundred Fifty Dollars (\$ 138,250.00) *******

Alternates:

1. *Install membrane on top of box culvert, 1' down sides and over vertical joints, add \$2,500.00*
2. *Install anchors at guardrail terminal locations, add \$4,000.00*
3. *Perform pavement line striping, add \$1,500.00*

PAYMENT to be made as follows: INVOICES MONTHLY, PAYABLE WITHIN FOURTEEN DAYS.
Finance Charge of 1 1/2% per month charged to past due accounts including all collection and attorney fees.

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from the above specifications involving extra costs will be executed only upon written change orders, and will become an extra charge over and above this proposal. All agreements contingent upon strikes, accidents, or delays beyond our control. Owner to carry their own Property, Liability and Builder's Risk insurance. Daniels to carry General and Automotive Liability and Workers Compensation Insurance. Market volatility may necessitate changes in this proposal.

AUTHORIZED SIGNATURE:

Matthew Belden, Vice President - Structures

NOTE: This proposal may be withdrawn if not accepted within 14 days.

ACCEPTANCE OF PROPOSAL *The above prices, specifications, and conditions are satisfactory and are hereby accepted.*

SIGNATURE: _____
(Owner or Agent)

DATE OF ACCEPTANCE: _____

SIMILAR PROJECT

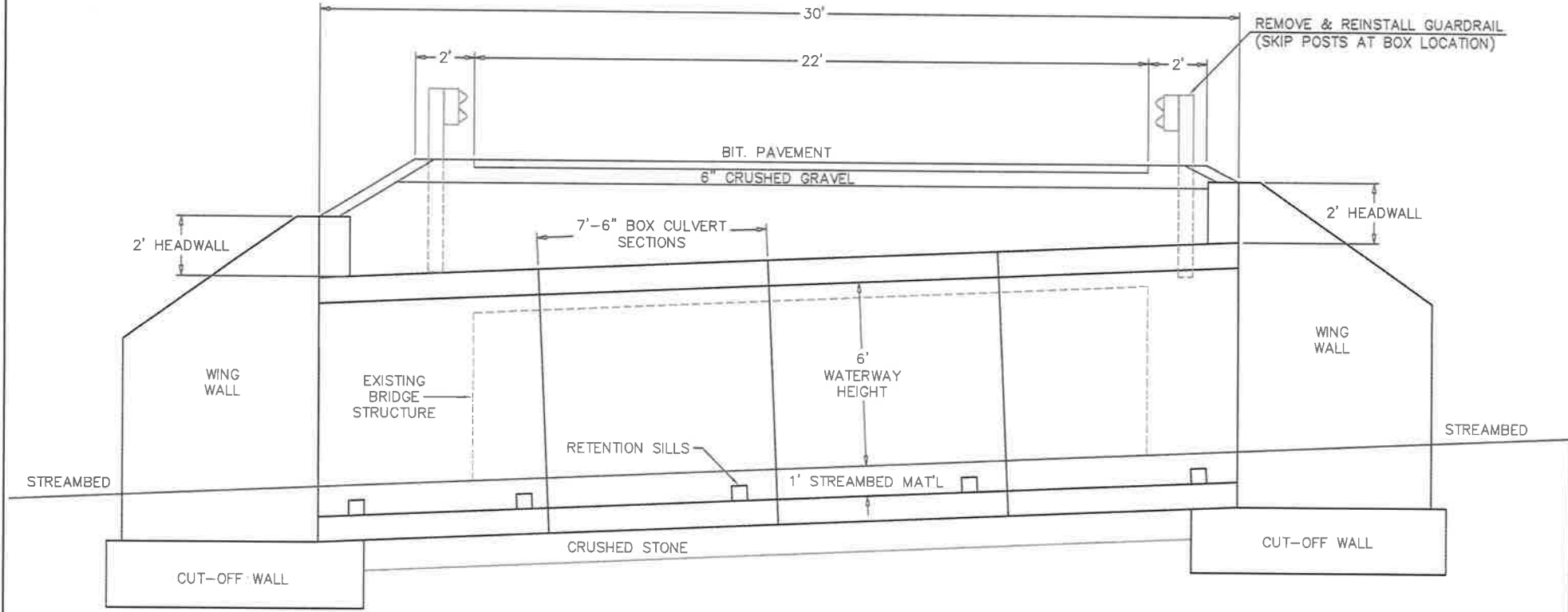


**White Road Bridge
Strafford, VT
2014**

DRAFTED BY

CHECKED BY

DESIGNED BY



TOWN OF NORWICH STATE OF VERMONT	
ROUTE 132 CULVERT REPLACEMENT	
ELEVATION	
SCALE	1" = 5'-0"
DATE	JANUARY 6, 2016
JOB NUMBER	16XX
FILE	NORWICH BOX.dwg
SHEET	1 OF 1
DRAWING NUMBER	DET-1



WINTERSET, INC.

An Equal Opportunity Employer

P. O. BOX 968, 128 WINTERSET DRIVE, LYNDONVILLE, VERMONT 05851 - TEL. (802) 626-9330

PROPOSAL

TO: Town of Norwich

DATE: 5-Jan-16

P. O. Box 376

PROJECT Route 132 Box Culvert

Norwich, Vermont 05055

WE PROPOSE TO FURNISH AND INSTALL THE WORK DESCRIBED BELOW:

The lump sum bid for the Route 132 Box Culvert is \$143,651.31

NOTE: This proposal is subject to terms and conditions below:

The above work to be according to plans and specifications of the engineers. This proposal becomes void if not accepted within 30 days from the above date.

All alterations or deviation from above specifications involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimates.

No liquidated damages, penalties or engineering charges are to be charged to Winterset, Inc., unless liquidated damages, penalties or engineering charges are charged by the engineers or owners, nor unless such charges are solely to the delay, fault or neglect of Winterset, Inc and caused by conditions within their control.

Winterset, Inc. shall not be held responsible for non-performance due to strikes, fires, lockouts, riots, sabotage, insurrection, acts of Governmental Authority, Acts of God or any reason beyond their control.


ACCEPTED:

RESPECTFULLY SUBMITTED,

TOWN OF NORWICH, VERMONT

WINTERSET, INC.

BY: _____

BY:  Michael Clark

Title _____

Title: Superintendent

Date: _____

Date: 1/5/2016

WINTERSET, Inc.

Gary Burrington

P.O. BOX 968
LYNDONVILLE, VERMONT 05851
TEL: (802) 626-9330
FAX: (802) 626-8933

Town Manager
Town of Norwich
300 Main Street
P.O. Box 376
Norwich, VT 05055

The anticipated start date for the project will be early spring. It is anticipated that the roadway will be shut down for a two week duration. Hopefully this suffices the scheduling requirement outlined in section 7.10.2 of the bid proposal. If we are lucky enough to be awarded this contract and a more detailed schedule of events is requested, we would be more than happy to supply one.

Sincerely,



Michael Clark
Winterset, Inc.
(802) 535-9716

Gary Burrington

MINUTES OF SPECIAL MEETING
OF
BOARD OF DIRECTORS
OF
WINTERSET, INC.

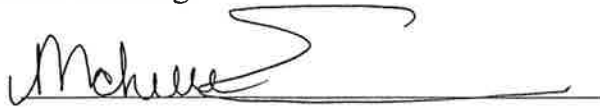
A special meeting of the Board of Directors of Winterset, Inc. was held at the office of the corporation in Lyndonville, Vermont on June 16, 2015. All of the Directors voluntarily assembled and waived any further notice to which they might be entitled.

On motion made and unanimously carried, it was voted as follows:

"RESOLVED: That Gary D. Burrington , Glenn A. Lavoie, Daniel M. Nelson and Michael M. Clark be authorized to sign contract documents, including bid documents, with the State of Vermont, the State of New Hampshire and any other entity as necessary.

There being no further business, the meeting was adjourned.

The undersigned, Secretary of the Corporation, hereby certifies that the above constitutes a good and true copy of the resolution passed by the Board of Directors of Winterset, Inc., at the above described meeting.



Michelle M. Engelmann
Secretary

G & N EXCAVATION, INC.

3804 N. Fayston Rd.
Moretown, VT 05660-9286

Proposal

Date	Proposal #
1/6/2016	538

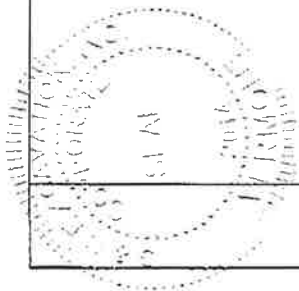
(802) 496-3735
mgaboriau@gmavt.net

DBE Certified

Name / Address
Town Manager Town of Norwich 300 Main Street P.O. Box 376 Norwich, VT 05055

Solicitation No.
Rt 132 Culvert

Description	Total
<p>REPLACEMENT OF CONCRETE BOX CULVERT ON VT ROUTE 132 IN NORWICH, VERMONT</p> <p>SCOPE OF WORK: Demolish & remove existing concrete box culvert Install new 30' pre-cast concrete box culvert - as specified in the "Request for Bids" paragraphs 3.1 - 3.13 Import & place Type II stone fill to protect channel banks &/or roadway slopes Repair road, pavement Install guardrails Erosion control, seed & mulch Materials to be used as specified in the "Request for Bids" paragraph 4.1 (Descriptive material list attached)</p> <p>PROJECT SCHEDULE: Two weeks One week of road closure; to remove existing culvert, prepare bed for new culvert, install new culvert, backfill Second week; Erosion control, repair road, pavement, install guardrails, seed & mulch</p> <p>LUMP SUM (Materials, Labor & Equipment, Traffic control & Signage) Project Cost</p> <p>EXCLUSIONS: SOLID ROCK EXCAVATION (ledge) as specified in the "Request for Bids" paragraph 4.2.4</p> <p>Signature: <i>Michele Gaboriau</i> Name & Title: Michele Gaboriau, President</p>	148,700.00
Total	
	\$148,700.00



G & N Excavation, Inc.
3804 N. Fayston Rd.
North Fayston, VT 05660

Item #	Description
201.11	Clearing and grubbing
203.15	Common excavation
203.32	Granular borrow
301.15	Subbase of gravel
402.1	Aggregate shoulders
406	Marshall bituminous pavement
507.15	Reinforcing steel
529.15	Removal of existing structure
540.1	Precast concrete box
541.25	Concrete class B footings
606.14	Beam guardrail
615.16	Type II stone fill
621.5	Man. Term. Section (G1-D)
621.8	Removal of guardrail
635.11	Mobilization
641.1	Traffic control
649.31	Geotextile under stone fill
649.51	Geotextile for silt fence
651.15	Seed
651.18	Fertilizer
651.25	Hay mulch
651.35	Topsoil

Willey Earthmoving Corp.

General Contractors since 1973

1335 Hunt Road

Windsor Vt. 05089

BID FOR ROUTE 132 BOX CULVERT

Includes -----

- 1 -- Demolition & removal of existing structure.
- 2 -- Dewater and stream relocation.
- 3 -- Installation of a 10' x 5' x 30' box culvert and wing walls.
- 4 -- Rip rap, loam, seed and mulch.
- 5 -- Guardrails.
- 6 -- Paving.

Does not include -----

- 1 -- Ledge removal and fill replacement if needed.
- 2 -- Coating box culvert (none shown)

Schedule as follows -----

Approximately 4 to 6 weeks performed within the Stream permit period. Recommended after July 4th, but will work to the Towns needs.

TOTAL Lump Sum Price ----- \$149,000.00

Desul Willey 1/6/16



THOMSON TIMBER HARVESTING & TRUCKING, LLC

53 NH Route 10, Orford, NH 03777

o. 603.353.9700 f. 603.353.9730 www.gothomson.com

Box Culvert – Route 132, Norwich, VT

Primary Contact Concerning Bid

Stacey Thomson - Owner

Stacey@gothomson.com

603.359.0202

53 NH Route 10, Orford, NH 03777

Company

Thomson Timber Harvesting & Trucking, LLC

53 NH Route 10

Orford, NH 03777

603.353.9700

Fax: 603.353.9730

Bid

\$151,345.00

one hundred fifty one thousand three hundred and forty five dollars and no cents

Stacey Thomson – Owner 01/06/2016

Route 132 Box Culvert - Norwich

Item #	Description	Qty	Unit	Unit price	Total
201.11	Clearing and Grubbing	0.1	acre	\$5,000	\$500.00
203.15	Common Excavation	300	CY	\$ 30.00	\$9,000.00
203.32	Granular Borrow	200	CY	\$ 30.00	\$6,000.00
301.15	Subbase of Gravel	150	CY	\$ 37.00	\$5,550.00
402.1	Aggregate Shoulders	10	CY	\$ 125.00	\$1,250.00
406	Marshall Bituminous Pavement	50	TONS	\$ 300.00	\$15,000.00
507.15	Reinforcing Steel	500	LBS	\$ 5.00	\$2,500.00
529.15	Removal of Existing Structure	1	Unit	\$ 5,000.00	\$5,000.00
540.1	Precast Concrete Box	1	Unit	\$ 39,695.00	\$39,695.00
541.25	Concrete Class B Footings	20	CY	\$ 500.00	\$10,000.00
606.14	Beam Guardrail	75	FT	\$ 66.00	\$4,950.00
615.16	Type II Stone Fill	40	CY	\$ 40.00	\$1,600.00
621.5	Manufactured Terminal Section (G1-D)	4	EA	\$ 300.00	\$1,200.00
621.8	Removal of Guardrail	75	FT	\$ 50.00	\$3,750.00
635.11	Mobilization	1	Unit	\$ 2,000.00	\$2,000.00
641.1	Traffic Control	1	Unit	\$ 2,000.00	\$2,000.00
649.51	Geotextile Under Stone Fill	100	SY	\$ 6.00	\$600.00
649.51	Silt Fence	100	SY	\$ 10.00	\$1,000.00
651.15	Seed	50	LB	\$ 10.00	\$500.00
651.18	Fertilizer	100	LB	\$ 5.00	\$500.00
651.25	Hay Mulch	200	SY	\$ 5.00	\$1,000.00
651.35	Topsoil	50	CY	\$ 37.00	\$1,850.00
900.651	Testing Allowance	1	LS	\$ 5,000.00	\$5,000.00
					\$120,445.00

Extras

Item #	Description	Qty	Unit	Unit price	Total
	Crane	3.0	Day	\$2,500	\$7,500.00
	Dewatering	1	Unit	\$ 6,000.00	\$6,000.00
	Cofferdam	1	Unit	\$ 2,000.00	\$2,000.00
	Sediment Basin	1	Unit	\$ 2,000.00	\$2,000.00
	Fabric Under Footings	1	Unit	\$ 1,000.00	\$1,000.00
	Gravel under Footings	26	CY	\$ 40.00	\$1,040.00
	Turbidity Curtain	1	Unit	\$ 1,500.00	\$1,500.00
	Repair Adjacent Driveway	1	Unit	\$ 5,000.00	\$5,000.00
	Portable Toilet	1	Unit	\$ 300.00	\$300.00
	Stone in spaces between sills	14	CY	\$ 40.00	\$560.00
	Saw Cut Pavement	32	LF	\$ 25.00	\$800.00
	Water Repellant & Barrier Membrane	1	Unit	\$ 3,200.00	\$3,200.00
					\$30,900.00

Grand Total

\$151,345.00

Proposed Schedule of Construction

Route 132 Box Culvert
Norwich, VT 2016

Start and End Date	Activity	Activities That Might Delay	
July 1-9	Mobilization Road Signs Silt Fence Clearing and grubbing Temporary Erosion sediment control Water diversion structures and coffer dam Common excavation Remove Existing bridge Common Bridge Excavation Preparation for footings	Extreme Weather Encountering Ledge or liquid clay	
July 10-16	Installation of precast concrete footings Backfill for footings Installation of precast box culvert and headwall Installation of wingwalls Backfill Bridge Slope Stabilization Build Road Base	Extreme Weather Encountering Ledge or liquid clay	
July 17-23	Road Grading Guardrails Paving Top Soil, Seed & Mulch Clean Up	Extreme Weather	

HOOK CONSTRUCTION

Since 1976

PROJECT BID

Customer: Town of Norwich
Project: Concrete Box Culvert (Alternate Proposal- Concrete Bridge)
Date: 3-Jan-16

Concrete & Steel	\$84,665
Temporary Bridge (45 ton with detour)	\$25,000
Gravel & Trucking	\$9,000
Labor	\$20,000
Excavation	\$15,000
Sign Package	\$3,600
Guard Rails	\$7,000
Engineer	\$5,000
Black Top	\$8,000
Mobilize & Demobilize	\$6,000
TOTAL	\$183,265

*Price includes complete concrete bridge, temporary bridge, and road way. All done to the specs in the original plan.



HOOK CONSTRUCTION
WAYNE HOOK

CUSTOMER

northwoods
EXCAVATING INC.
289 Ulman Road
Thetford Center, VT 05075

January 6, 2016

Town Manager
Town of Norwich
300 Main Street
Norwich, VT 05055

Re: Route 132 Box Culvert – Project Cost

The following is the bid for the installation of the Route 132 Box Culvert located at the first stream crossing below the intersection of Bowen Hill.

The Total Bid Price for the above task is: \$219,328

Thank you for the opportunity to provide a bid on this project.

Sincerely yours,

Zebulon Jenks,
Superintendent
Northwoods Excavating Inc.

Signed: _____ Dated: _____



January 6th, 2016

Town of Norwich – VT Route 132 Replacement of Concrete Box Culvert

Proposed Project Schedule

Mobilize and start project around the week of June 6th

Complete project the week of June 27th

We can be flexible on the project schedule if there a preference from the town as to when the project will take place. We plan on the bulk of the project taking approx. 3 weeks but we included an additional week in the duration for site clean-up or in case of rain or bad weather.

Scope of Work to Include:

- Mobilization of equipment to the site
- Saw cut and remove pavement
- Excavate and remove existing structure
- Install sub-base materials for new concrete box culvert
- Backfill and compact around new structure
- Install new pavement and guardrails
- Site finishes w/ hay and seed

Sincerely,

Zebulon Jenks,
Superintendent

Accepted by:

Norwich Representative

Date



L&M Service Contractors, LLC

126 NH Route 10 Orford, NH 03777 Office: 603.359.1656 Fax: 802.649.3154

Town of Norwich
Department of Public Works
26 New Boston Rd
Norwich, VT 05055
Andy Hodgdon
Ahodgdon@norwich.vt.us

January 6, 2016

Route 132 Box Culvert Replacement

• Mobilization	\$25,000
• Sediment, Erosion Control	2,500
• Traffic Control Package	20,000
• Demolition of Existing Structure	15,000
• Temporary Diversion/By-pass of Brook	10,000
• Excavation and backfill of Box Culvert and Roadway	30,000
• Box Culvert Installation 30LF 10'x5' Includes box, footings, wing walls, headwalls, curbs, and membranes	85,000
• Streambank Restoration, Stone Fill, Topsoil, Seed and Mulch	12,000
• Paving of Roadway 50 Tons	20,000
• 75LF of New Guard Rail w/4 MTS Sections	10,000
• Testing of Concrete, Soils, Monitoring	<u>5,000</u>

Total

\$234,500


Ryan Morse


Date

Notes:

- Traffic control to include two message boards, signage package, traffic control, lighted work area, stop/yield signage lane, with jersey barrier work zone protection.
- Does not include dual stoplight signal
- Anticipated work schedule to be 15-20 working days



Town of Norwich
300 Main St
Norwich VT 05055

January 6, 2016

Replacement of Concrete Box Culvert

The route 132 box culvert project based on all information provided from the town and Michie Corp, our price is \$295,800 installed complete job. Installation put in to all specs, state and town requirements. Time schedule would be start approx. June 6th with finish date around July 15th. Any questions give me a call anytime at (603) 477-1461

Tim Beard

A handwritten signature in blue ink that reads "Tim Beard".

Owner

Beard Sewer & Drain

P.O Box 177

Newport NH 03773

(603) 477-1461

**Request for Alternate Project
Town of Norwich**

FEMA Declaration PA01VT4022	PW 02334(0)	Date January XX, 2016
FIPS 027-52900-00	Category G Recreational or Other	Latitude/Longitude N43° 43.5259, W72° 19.2995
Applicant Town of Norwich	County Windsor	Damaged Facility Recreation Pool Dam

The Town of Norwich (Town) has determined that the public interest would not be best served by restoring this damaged facility because of the reasons cited below. The requested alternate project is described below.

Tropical Storm Irene on August 28, 2011 caused extensive damage to the Norwich Pool Dam and Recreation Area including breaching the dam. PW 2334 estimated the cost of repairing the recreation area and replacing the dam at \$567,284.28. With the expectation that A/E Design Contract Costs would be reimbursed in accordance with FEMA Public Assistance Guidelines the Town developed a Request for Proposals for the engineering work, received three proposals for the work and retained DuBois & King to provide consulting services for replacing the dam.

In order for the dam to be replaced a permit was required from the Vermont Agency of Natural Resources (ANR). Because of the slowness of ANR in responding to requests for information and guidance two time extensions were requested and granted by VEMRS and FEMA. The last extension was until November 1, 2016. On October 20, 2015 the Town was notified that the request for a permit had been denied.

The Town made a good faith effort to obtain a permit to replace the dam, which would only be closed for 10 weeks each year during the time ANR allows work in streams, which was supported by the Selectboard and residents of the Town as evidenced by a petition containing 581 signatures of Norwich residents.

The Town spent \$83,532.39 for consulting services to demonstrate that it met the statutory requirements that the project “(1) will not adversely affect the public safety by increasing flood or fluvial erosion hazards; (2) will not significantly damage fish life or wildlife; (3) will not significantly damage the rights of riparian owners;”¹ The Town believes that it met these requirements even though the permit was denied.

The Town has received a progress payment of \$28,165.75 towards the consulting costs. The Town requested an additional progress payment of \$52,600.22 which was denied because the project was not completed and because the project cannot be completed without a permit from ANR. We were advised that no additional payments could be made without an approved scope change or approved Alternate Project.

We are requesting the approval of an Alternate Project for the cost of the consulting engineering services of \$83,532.39. Attached to this request is the documentation for the first and second

¹ 10 V.S.A. §1023

Request for Alternate Project

Page 2 of 2

requests for progress payments. The source of funding for any additional costs will be Town. The work has been performed by contract.

The proposed project is EHP compliant because it does not involve any construction work or disturbance of any land and does not require any permits.

The Town confirms by signature below that: 1) approval is based on the information provided with this request; 2) any changed conditions are to be immediately brought to the attention of the Public Assistance Officer; and, 3) approved alternate projects remain subject to all previous requirements for accountability, completion, and closure.

Neil R. Fulton, Authorize Representative
Town Manager

Town of Norwich, Vermont



CHARTERED 1761

Neil R. Fulton
Town Manager

January 27, 2014

Coleen Krauss
Vermont Agency of Transportation
Contract & Grants Unit
1 National Life Drive 5th Floor
Montpelier, VT
05633

RE: Town of Norwich PW 02334- Progress Payment

Dear Ms. Krauss:

Enclosed with this letter please find a partial payment request for PW-02334. This request covers the time period of 5/8/2012 to 12/27/2012 for consulting services by Dubois & King regarding the reconstruction of the Norwich Pool/Dam that was destroyed by Hurricane Irene. The reimbursement request is for \$ 28,165.75.

PW 02334 is for a total of \$ 567,284.28 and this is our first submission for reimbursement. The Agency of Natural Resources has received our request to rebuild the pool/dam and has not yet given approval of the project.

If you have any questions please contact Roberta Robinson, Finance Director at 802-649-1419 ext 105 or rrobinson@norwich.vt.us.

Sincerely,

A handwritten signature in black ink, appearing to read 'Neil Fulton', with a long horizontal flourish extending to the right.

Neil Fulton, Town Manager

Enclosure

FEDERAL EMERGENCY MANAGEMENT AGENCY
CONTRACT SUMMARY RECORD

APPLICANT			PW REF NO.	CATEGORY	FIPS NO.	DISASTER	
Town of Norwich			PW02334	B	027-52900	4022	VT
Vendor	Description of work performed	Invoice No:	Dates Worked:	Total Invoice Amount	Total Claim Amount	Comments	
DuBois & King	Consulting Services related to repair of the Norwich Pool Dam	612010	5/8/2012-5/31/2012	\$2,903.70	\$2,903.70		
DuBois & King	Consulting Services related to repair of the Norwich Pool Dam	712327	6/1/2012-7/26/2012	\$12,195.54	\$12,195.54		
DuBois & King	Consulting Services related to repair of the Norwich Pool Dam	1012073	8/1/2012-9/27/2012	\$4,258.76	\$4,258.76		
DuBois & King	Consulting Services related to repair of the Norwich Pool Dam	1112029	9/28/2012-10/25/2012	\$3,774.75	\$3,774.75		
DuBois & King	Consulting Services related to repair of the Norwich Pool Dam	1212031	10/26/2012-11/29/2012	\$1,258.25	\$1,258.25		
DuBois & King	Consulting Services related to repair of the Norwich Pool Dam	1212212	11/30/2012-12/27/2012	\$3,774.75	\$3,774.75		
					Total Cost	\$28,165.75	
					Total From All Pages	\$28,165.75	
Certified By: <i>Rita A. Robinson, Finance Director</i>				Title:	Date: <i>1/27/14</i>		

I certify that the above information was transcribed from daily logs, vendor invoices, or other documents which are available for audit.
 National PW Template V1.5 May 2010 Excel 2007



ENTERED

01-5-425 ~~347.00~~ ~~746.00~~ ~~724.00~~ 347.00 FEMA GRANT POOL EXP.

Attn: Neil Fulton, Interim Town
Re: Norwich Pool Dam Evaluation & Analysis

June 11, 2012
Invoice No: 612010
Project No: 921651L1

Town of Norwich
P.O. Box 376
300 Main Street
Norwich, VT 05055-0376

ACCOUNT ~~16-5-425-346~~
AMOUNT \$2,903.70
APPROVAL MF
DATE 6/15/12

TERMS: Net 15 days from invoice date, 1.5% per month charged thereafter.

For professional services rendered for the period of May 8, 2012 to May 31, 2012.

Consulting services related to the repair of the Norwich Pool Dam and repair of the Recreation Area associated with the swimming area that was damaged by Tropical Storm Irene.

<u>Contract Amount</u>	<u>% Work To Date</u>	<u>Amount Billable</u>	<u>Previous Billings</u>	<u>To Be Billed</u>
\$19,358.00	15.00%	\$2,903.70	\$0.00	\$2,903.70
Total Current Billing				\$2,903.70

Please remit payment to: P. O. Box 339, Randolph, VT 05060

Statement of Account (includes current invoice)

<u>0 - 30</u>	<u>31 - 60</u>	<u>61 - 90</u>	<u>91 - 120</u>	<u>121 +</u>	<u>Total AR</u>
\$2,903.70					\$2,903.70



921651L1
June 11, 2012

Mr. Neil Fulton
Town of Norwich
P.O. Box 376
300 Main Street
Norwich, VT 05055-0376

**SUBJECT: Norwich Pool Dam Design and Permitting
Progress Report No. 1**

Dear Mr. Fulton:

Please find enclosed Invoice Numbers 612010 for the period through May 31, 2012. The work completed to date during the period for this invoice includes

1. Task 1-Dam Safety Inspection: D&K coordinated the field portion of the inspection and prepared for that effort.
2. Task 2- Survey and Base Map: D&K prepared for the survey by conducting desktop mapping and coordination tasks with our survey crew.
3. Task 3- Regulatory Agency Coordination: This task was initiated with a phone conversation with Mr. Barry Cahoon. Coordination included: discussing previous inspections and events, expectations of the VANR River Management Section, and scheduling for an on site meeting. D&K was given the specific items necessary for the issuance of a Stream Alterations Permit to reconstruct/rebuild the dam. This may also include a new dam at the site.
4. Project management and coordination. This item covers the necessary administrative tasks associated with the project.

If you have any questions or require additional information, please do not hesitate to contact me at (802) 728-3376. Thank you for the opportunity to work with you on this important project.

Very truly yours,

DUBOIS & KING, INC.

TOWN OF NORWICH, VERMONT

VEND: DUBOIS: DUBOIS & KING, INC.

43154

CTRL NO. 43154

INV DATE	INVOICE/REF. NO.	DESCRIPTION	AMOUNT PAID
06/11/12	612010	REC--FEMA POOL CONSULT	2,903.70

06/27/12
CHECK DATE

2,903.70
CHECK AMOUNT

EASTERN SYSTEMS 800.223.0101

TOWN OF NORWICH
 GENERAL FUND
 P.O. BOX 376
 NORWICH, VERMONT 05655
 (802) 649-0122

MASCOMA SAVINGS BANK
 NORWICH, VT 05655

CHECK NO. 43146
 CTRL. NO. 43146

PAY Eighty & 00/100 Dollars

DATE 06/20/12 AMOUNT *****80.00

TO THE ORDER OF VERMONT LEAGUE OF CITIES & TOWNS
 89 MAIN STREET
 SUITE 4
 MONTPELIER VT 05602

Cheryl A. Lindberg, Treas.

⑆043146⑆ ⑆211770213⑆ 376 09 4⑆

Ck# 43146 Date 7/2/2012 Amt \$80.00

TOWN OF NORWICH
 GENERAL FUND
 P.O. BOX 376
 NORWICH, VERMONT 05655
 (802) 649-0122

MASCOMA SAVINGS BANK
 NORWICH, VT 05655

CHECK NO. 43147
 CTRL. NO. 43147

PAY Three thousand sixty-four & 50/100 Dollars

DATE 06/20/12 AMOUNT *****3,064.50

TO THE ORDER OF VICT PROP & CASUALTY INTER FUND
 89 MAIN ST
 SUITE 4
 MONTPELIER VT 05602

Cheryl A. Lindberg, Treas.

⑆043147⑆ ⑆211770213⑆ 376 09 4⑆

Ck# 43147 Date 7/2/2012 Amt \$3,064.50

TOWN OF NORWICH
 GENERAL FUND
 P.O. BOX 376
 NORWICH, VERMONT 05655
 (802) 649-0122

MASCOMA SAVINGS BANK
 NORWICH, VT 05655

CHECK NO. 43150
 CTRL. NO. 43150

PAY Twenty-seven & 80/100 Dollars

DATE 06/27/12 AMOUNT *****27.80

TO THE ORDER OF ALLAN'S VENDING SERVICES LLC
 PO BOX 187
 WHITE RIVER JUNCTION VT 05655

Cheryl A. Lindberg, Treas.

⑆043150⑆ ⑆211770213⑆ 376 09 4⑆

Ck# 43150 Date 7/2/2012 Amt \$27.80

TOWN OF NORWICH
 GENERAL FUND
 P.O. BOX 376
 NORWICH, VERMONT 05655
 (802) 649-0122

MASCOMA SAVINGS BANK
 NORWICH, VT 05655

CHECK NO. 43151
 CTRL. NO. 43151

PAY Three hundred twenty-two & 07/100 Dollars

DATE 06/27/12 AMOUNT *****322.07

TO THE ORDER OF SHIP DISTRIBUTORS, INC.
 PO BOX 18910
 HENRIETTA NJ 07591

Cheryl A. Lindberg, Treas.

⑆043151⑆ ⑆211770213⑆ 376 09 4⑆

Ck# 43151 Date 7/5/2012 Amt \$322.07

TOWN OF NORWICH
 GENERAL FUND
 P.O. BOX 376
 NORWICH, VERMONT 05655
 (802) 649-0122

MASCOMA SAVINGS BANK
 NORWICH, VT 05655

CHECK NO. 43152
 CTRL. NO. 43152

PAY Two hundred thirty-six & 36/100 Dollars

DATE 06/27/12 AMOUNT *****236.36

TO THE ORDER OF OFFICE OF CHILD SUPPORT
 PO BOX 1310
 WILLISTON VT 05495-1310

Cheryl A. Lindberg, Treas.

⑆043152⑆ ⑆211770213⑆ 376 09 4⑆

Ck# 43152 Date 7/5/2012 Amt \$236.36

TOWN OF NORWICH
 GENERAL FUND
 P.O. BOX 376
 NORWICH, VERMONT 05655
 (802) 649-0122

MASCOMA SAVINGS BANK
 NORWICH, VT 05655

CHECK NO. 43153
 CTRL. NO. 43153

PAY Thirty-three & 27/100 Dollars

DATE 06/27/12 AMOUNT *****33.27

TO THE ORDER OF CRICKET'S PAINT & AUTO PARTS
 111 PLEASANT ST
 CLAREMONT NH 03743

Cheryl A. Lindberg, Treas.

⑆043153⑆ ⑆211770213⑆ 376 09 4⑆

Ck# 43153 Date 7/5/2012 Amt \$33.27

TOWN OF NORWICH
 GENERAL FUND
 P.O. BOX 376
 NORWICH, VERMONT 05655
 (802) 649-0122

MASCOMA SAVINGS BANK
 NORWICH, VT 05655

CHECK NO. 43154
 CTRL. NO. 43154

PAY Two thousand nine hundred three & 70/100 Dollars

DATE 06/27/12 AMOUNT *****2,903.70

TO THE ORDER OF DUBOIS & KING, INC.
 28 NORTH MAIN STREET
 PO BOX 339
 RANDOLPH VT 05660

Cheryl A. Lindberg, Treas.

⑆043154⑆ ⑆211770213⑆ 376 09 4⑆

Ck# 43154 Date 7/3/2012 Amt \$2,903.70

TOWN OF NORWICH
 GENERAL FUND
 P.O. BOX 376
 NORWICH, VERMONT 05655
 (802) 649-0122

MASCOMA SAVINGS BANK
 NORWICH, VT 05655

CHECK NO. 43155
 CTRL. NO. 43155

PAY Three thousand & 00/100 Dollars

DATE 06/27/12 AMOUNT *****3,000.00

TO THE ORDER OF THE FAMILY PLACE
 319 US RT 5 SOUTH
 NORWICH VT 05655

Cheryl A. Lindberg, Treas.

⑆043155⑆ ⑆211770213⑆ 376 09 4⑆

Ck# 43155 Date 7/5/2012 Amt \$3,000.00

TOWN OF NORWICH
 GENERAL FUND
 P.O. BOX 376
 NORWICH, VERMONT 05655
 (802) 649-0122

MASCOMA SAVINGS BANK
 NORWICH, VT 05655

CHECK NO. 43156
 CTRL. NO. 43156

PAY One hundred twelve & 79/100 Dollars

DATE 06/27/12 AMOUNT *****112.79

TO THE ORDER OF FOGG'S HARDWARE AND BUILDING SUPPLY
 P.O. BOX 215
 FAIRLEE VT 05045-0215

Cheryl A. Lindberg, Treas.

⑆043156⑆ ⑆211770213⑆ 376 09 4⑆

Ck# 43156 Date 7/5/2012 Amt \$112.79

TOWN OF NORWICH
 GENERAL FUND
 P.O. BOX 376
 NORWICH, VERMONT 05655
 (802) 649-0122

MASCOMA SAVINGS BANK
 NORWICH, VT 05655

CHECK NO. 43157
 CTRL. NO. 43157

PAY One thousand nine hundred sixty-seven & 00/100 Dollars

DATE 06/27/12 AMOUNT *****1,967.00

TO THE ORDER OF KICHEL GEORGE
 816 TURNPIKE ROAD
 NORWICH VT 05655

Cheryl A. Lindberg, Treas.

⑆043157⑆ ⑆211770213⑆ 376 09 4⑆

Ck# 43157 Date 7/23/2012 Amt \$1,967.00



921651L1
October 9, 2012

Mr. Neil R. Fulton
Town of Norwich
P.O. Box 376
Norwich, VT 05055

**SUBJECT: Norwich Pool Dam Reconstruction Project
Progress Report No. 2 August 2012 through September 2012**

Dear Mr. Fulton:

Please find enclosed Invoice Number 1012073 for the period through September 27, 2012. This invoice accounts for outlined in our Scope of Work (April 9, 2012) required for this project. The specific work items completed under this invoice includes:

1. Task 3: Regulatory Agency Coordination. This task is ongoing, as close coordination is required to solicit input for an approvable design for the reconstruction of the dam.
2. Task 6: Structural Analysis. A structural analysis was conducted on the existing structure to evaluate potential re-usage and flashboard pin design. This task is complete.
3. Task 7: Alternative Analysis. This task is nearing completion and being prepared for submission in the evaluation report.
4. Public Information Meeting. The public information meeting was conducted on August 20, 2012.
5. Project Management and coordination.

If you have any questions or require additional information, please do not hesitate to contact me at (802) 728-3376. Thank you for the opportunity to work with you on this important project.

Very truly yours,

DuBOIS & KING, INC.

ACCOUNT 01-5-425347
 AMOUNT \$4,258.76
 APPROVAL [Signature]
 DATE 11/14/12

Shawn R. Patenaude, P.E.
Project Manager
Manager – Dam Engineering Group

Enclosure

I:\921651 Norwich Pool Dam\Admin\Progress Report\Norwich Pool Dam Aug-Sept 2012 Invoice.doc



Attn: Neil Fulton, Interim Town
Re: Norwich Pool Dam Evaluation & Analysis

October 9, 2012
Invoice No: 1012073
Project No: 921651L1

Town of Norwich
P.O. Box 376
300 Main Street
Norwich, VT 05055-0376

TERMS: Net 15 days from invoice date, 1.5% per month charged thereafter.

For professional services rendered for the period August 1, 2012 to September 27, 2012.

Consulting services related to the repair of the Norwich Pool Dam and repair of the Recreation Area associated with the swimming area that was damaged by Tropical Storm Irene.

<u>Contract Amount</u>	<u>% Work To Date</u>	<u>Amount Billable</u>	<u>Previous Billings</u>	<u>To Be Billed</u>
\$19,358.00	100.00%	\$19,358.00	\$15,099.24	\$4,258.76
Total Current Billing				\$4,258.76

Please remit payment to: P. O. Box 339, Randolph, VT 05060

Statement of Account (includes current invoice)

0 - 30	31 - 60	61 - 90	91 - 120	121 +	Total AR
\$4,258.76					\$4,258.76



TOWN OF NORWICH
GENERAL FUND
P.O. BOX 376
NORWICH, VERMONT 05055
(802) 649-0122

MASCOMA SAVINGS BANK
NORWICH, VT 05055

CHECK NO. 43456
CTRL NO. 43456

PAY **One thousand five hundred nine & 97/100 Dollars** DATE 09/25/12 AMOUNT *****1,509.97

TO THE ORDER OF **SACRESSE, MARY H;
32 OLD ORCHARD ROAD
NORWICH VT 05055**

Cheryl A. Lindberg, Treas.

⑆043456⑆ ⑆211770213⑆ 376 09 4⑆

Ck# 43456 Date 11/26/2012 Amt \$1,509.97

TOWN OF NORWICH
GENERAL FUND
P.O. BOX 376
NORWICH, VERMONT 05055
(802) 649-0122

MASCOMA SAVINGS BANK
NORWICH, VT 05055

CHECK NO. 43542
CTRL NO. 43542

PAY **Three hundred nine & 00/100 Dollars** DATE 10/24/12 AMOUNT *****309.00

TO THE ORDER OF **THE CAD ZONE INC.
4790 SW WATSON AVE.
BEAVERTON OR 97005**

Cheryl A. Lindberg, Treas.

⑆043542⑆ ⑆211770213⑆ 376 09 4⑆

Ck# 43542 Date 11/5/2012 Amt \$309.00

TOWN OF NORWICH
GENERAL FUND
P.O. BOX 376
NORWICH, VERMONT 05055
(802) 649-0122

MASCOMA SAVINGS BANK
NORWICH, VT 05055

CHECK NO. 43544
CTRL NO. 43544

PAY **Seven hundred sixty & 00/100 Dollars** DATE 10/24/12 AMOUNT *****760.00

TO THE ORDER OF **PATL COURTOISANCHE
43B WOODSTOCK RD.
WHITE RIVER JCT. VT 05001**

Cheryl A. Lindberg, Treas.

⑆043544⑆ ⑆211770213⑆ 376 09 4⑆

Ck# 43544 Date 11/5/2012 Amt \$760.00

TOWN OF NORWICH
GENERAL FUND
P.O. BOX 376
NORWICH, VERMONT 05055
(802) 649-0122

MASCOMA SAVINGS BANK
NORWICH, VT 05055

CHECK NO. 43548
CTRL NO. 43548

PAY **Sixty-one & 02/100 Dollars** DATE 10/24/12 AMOUNT *****61.02

TO THE ORDER OF **DARTMOUTH HITCHCOCK MEDICAL CENTER
ATTN: HENRI CASPIERS LEBANON
1 MEDICAL CENTER DRIVE
LEBANON NH 03756**

Cheryl A. Lindberg, Treas.

⑆043548⑆ ⑆211770213⑆ 376 09 4⑆

Ck# 43548 Date 11/1/2012 Amt \$61.02

TOWN OF NORWICH
GENERAL FUND
P.O. BOX 376
NORWICH, VERMONT 05055
(802) 649-0122

MASCOMA SAVINGS BANK
NORWICH, VT 05055

CHECK NO. 43549
CTRL NO. 43549

PAY **Ten & 00/100 Dollars** DATE 10/24/12 AMOUNT *****10.00

TO THE ORDER OF **DHMC LIFE SUPPORT PROGRAM
KATY RUGGES
ONE MEDICAL CENTER DRIVE
LEBANON NH 03756-0001**

Cheryl A. Lindberg, Treas.

⑆043549⑆ ⑆211770213⑆ 376 09 4⑆

Ck# 43549 Date 11/5/2012 Amt \$10.00

TOWN OF NORWICH
GENERAL FUND
P.O. BOX 376
NORWICH, VERMONT 05055
(802) 649-0122

MASCOMA SAVINGS BANK
NORWICH, VT 05055

CHECK NO. 43550
CTRL NO. 43550

PAY **Four thousand two hundred fifty-eight & 76/100 Dollars** DATE 10/24/12 AMOUNT *****4,258.76

TO THE ORDER OF **DUBOIS & KING, INC.
28 NORTH MAIN STREET
PO BOX 339
RANDOLPH VT 05049**

Cheryl A. Lindberg, Treas.

⑆043550⑆ ⑆211770213⑆ 376 09 4⑆

Ck# 43550 Date 11/9/2012 Amt \$4,258.76

TOWN OF NORWICH
GENERAL FUND
P.O. BOX 376
NORWICH, VERMONT 05055
(802) 649-0122

MASCOMA SAVINGS BANK
NORWICH, VT 05055

CHECK NO. 43551
CTRL NO. 43551

PAY **Five hundred ninety-nine & 81/100 Dollars** DATE 10/24/12 AMOUNT *****599.81

TO THE ORDER OF **EARTHLINK BUSINESS
PO BOX 88104
CHICAGO IL 60680-1104**

Cheryl A. Lindberg, Treas.

⑆043551⑆ ⑆211770213⑆ 376 09 4⑆

Ck# 43551 Date 11/1/2012 Amt \$599.81

TOWN OF NORWICH
GENERAL FUND
P.O. BOX 376
NORWICH, VERMONT 05055
(802) 649-0122

MASCOMA SAVINGS BANK
NORWICH, VT 05055

CHECK NO. 43553
CTRL NO. 43553

PAY **Ninety & 00/100 Dollars** DATE 10/24/12 AMOUNT *****90.00

TO THE ORDER OF **MAN CUSTOM GRAPHICS & EMBROIDERY
PO BOX 25
POST HILLS VT 05058**

Cheryl A. Lindberg, Treas.

⑆043553⑆ ⑆211770213⑆ 376 09 4⑆

Ck# 43553 Date 11/5/2012 Amt \$90.00

TOWN OF NORWICH
GENERAL FUND
P.O. BOX 376
NORWICH, VERMONT 05055
(802) 649-0122

MASCOMA SAVINGS BANK
NORWICH, VT 05055

CHECK NO. 43556
CTRL NO. 43556

PAY **Twenty-five & 00/100 Dollars** DATE 10/24/12 AMOUNT *****25.00

TO THE ORDER OF **AARON LAMPERTZ
557 NEW BOSTON ROAD
NORWICH VT 05055**

Cheryl A. Lindberg, Treas.

⑆043556⑆ ⑆211770213⑆ 376 09 4⑆

Ck# 43556 Date 11/1/2012 Amt \$25.00

TOWN OF NORWICH
GENERAL FUND
P.O. BOX 376
NORWICH, VERMONT 05055
(802) 649-0122

MASCOMA SAVINGS BANK
NORWICH, VT 05055

CHECK NO. 43560
CTRL NO. 43560

PAY **Two & 00/100 Dollars** DATE 10/24/12 AMOUNT *****10.00

TO THE ORDER OF **ZANE J. RODRIGUEZ
PO BOX 308
NORWICH VT 05055**

Cheryl A. Lindberg, Treas.

⑆043560⑆ ⑆211770213⑆ 376 09 4⑆

Ck# 43560 Date 11/13/2012 Amt \$10.00

TOWN OF NORWICH, VERMONT

VEND: DUBOIS: DUBOIS & KING, INC.
CTRL NO. 43550

43550

INV DATE	INVOICE/REF. NO.	DESCRIPTION	AMOUNT PAID
10/09/12	1012073	REC--FEMA POOL CONSULT	4,258.76

10/24/12	4,258.76
CHECK DATE	CHECK AMOUNT

EASTERN SYSTEMS 800.223.0101



Attn: Neil Fulton, Interim Town
Re: Norwich Pool Dam Design

November 19, 2012
Invoice No: 1112029
Project No: 921651L2

Town of Norwich
P.O. Box 376
300 Main Street
Norwich, VT 05055-0376

TERMS: Net 15 days from invoice date, 1.5% per month charged thereafter.

For professional services rendered for the period September 28, 2012 to October 25, 2012.

Consulting services related to the repair of the Norwich Pool Dam and repair of the Recreation Area associated with the swimming area that was damaged by Tropical Storm Irene.

<u>Contract Amount</u>	<u>% Work To Date</u>	<u>Amount Billable</u>	<u>Previous Billings</u>	<u>To Be Billed</u>
\$25,165.00	15.00%	\$3,774.75	\$0.00	<u>\$3,774.75</u>
Total Current Billing				<u>\$3,774.75</u>

Please remit payment to: P. O. Box 339, Randolph, VT 05060

Statement of Account (includes current invoice)

0 - 30	31 - 60	61 - 90	91 - 120	121 +	Total AR
\$3,774.75					\$3,774.75

ENTERED

ACCOUNT 01-5-4253417
 AMOUNT \$3,774.75
 APPROVAL *[Signature]*
 DATE 11/29/12



ENGINEERING • PLANNING • DEVELOPMENT • MANAGEMENT

RECEIVED

NOV 20 2012

921651L1, L2
November 19, 2012

TOWN MANAGER'S OFFICE

Mr. Neil R. Fulton
Town of Norwich
P.O. Box 376
Norwich, VT 05055

**SUBJECT: Norwich Pool Dam Reconstruction Project
Progress Report No. 3 October 2012**

Dear Mr. Fulton:

Please find enclosed Invoice Number 1112029 for the period through October 25, 2012. This invoice accounts for outlined in our Scope of Work (April 9, 2012) required for this project. The specific work items completed under this invoice includes:

1. Task 3: Regulatory Agency Coordination. This task is ongoing, as close coordination is required to solicit input for an approvable design for the reconstruction of the dam.
2. Task 7: Alternative Analysis. This task is complete ready for submission in the evaluation report.
3. Task 8: Design, Plans, Specifications, and Cost Estimates. We have begun the preparation of the engineering documents.
4. Project Management and coordination.

If you have any questions or require additional information, please do not hesitate to contact me at (802) 728-3376. Thank you for the opportunity to work with you on this important project.

Very truly yours,

DuBOIS & KING, INC.

Shawn R. Patenaude, P.E.
Project Manager
Manager – Dam Engineering Group

Enclosure

I:\921651 Norwich Pool Dam\Admin\Progress Report\Norwich Pool Dam October 2012 Invoice.doc

All Manual\Direct Pays For Check Acct 01(General) 12/12/2012 To 12/12/2012

Vendor	Invoice	Invoice Description	Purchase Amount	Discount Amount	Amount Paid	Check Number	Check Date
BAYSTATE BAY STATE ELEVATOR CO.	140132	TH-ELEVATOR MAINT DEC 12	288.02	0.00	288.02 A	902	12/12/12
BLAKTOP BLAKTOP INC	16050	DPW--1.24 TON TUFF PATCH	133.92	0.00	133.92 A	903	12/12/12
DUBOIS DUBOIS & KING, INC.	1112029	REC--FEMA DAM CONSULTING	3774.75	0.00	3774.75 A	904	12/12/12
EVANSMOTO EVANS GROUP, INC.	481467	DPW--504.0 GALS DIESEL	1792.39	0.00	1792.39 A	905	12/12/12
FABRICARE J. B. FABRICARE	NOV 12	PD-UNIFORM CLEANING	116.50	0.00	116.50 A	906	12/12/12
FIRETECH FIRE TECH & SAFETY OF NEW ENGL	128529	FD--BEZEL SCREW	13.13	0.00	13.13 A	907	12/12/12
GEORGE MICHELE GEORGE	12/5/12	REC--YOGA INSTRUCTION	1410.50	0.00	1410.50 A	908	12/12/12
GRAINGER W.W. GRAINGER, INC.	9978256320	PD--GLOVES	67.04	0.00	67.04 A	909	12/12/12
HAUN HAUN WELDING SUPPLY, INC.	8805593	DPW--PLASMA CUTTER COVER	69.85	0.00	69.85 A	910	12/12/12
IRVINGOIL IRVING ENERGY DISTRIB. & MARKE	158484	TH--317.9 GALS #2 FUEL	1110.75	0.00	1110.75 A	911	12/12/12
IRVINGOIL IRVING ENERGY DISTRIB. & MARKE	159728	FD--227.0 GALS #2 FUEL	793.14	0.00	793.14 A	911	12/12/12
IRVINGOIL IRVING ENERGY DISTRIB. & MARKE	552577	PD--38.1 GALS #2 FUEL	133.12	0.00	133.12 A	911	12/12/12
NFPA NAT'L FIRE PROTECTION ASSN	5668079X	FD--2013 MEMBERSHIP	165.00	0.00	165.00 A	912	12/12/12
PIKE PIKE INDUSTRIES INC	684792	DPW--28.54 TONS GRAVEL	269.70	0.00	269.70 A	913	12/12/12
RICHARDSO TAD RICHARDSON	0000550	PL--INSTALL PRINTER	93.75	0.00	93.75 A	914	12/12/12
TASCO TASCO SECURITY INC	66979	PD--ALARM REPROGRAM	95.00	0.00	95.00 A	915	12/12/12
TDS LEASE TDS LEASING INC	01039564	PD--COOLER RENTAL	30.00	0.00	30.00 A	916	12/12/12
TOTALTREE TOTALLY TREES	11/29/12	DPW--GOOD 4 CRN TREE WRK	2040.00	0.00	2040.00 A	917	12/12/12
UNIFIRST UNIFIRST CORPORATION	035 3585462	DPW-UNIFORMS & SUPPLIES	133.51	0.00	133.51 A	918	12/12/12
UNIFIRST UNIFIRST CORPORATION	035 3587781	DPW-UNIFORMS & SUPPLIES	127.01	0.00	127.01 A	918	12/12/12
UNIFIRST UNIFIRST CORPORATION	035 3588086	TH--HAND SANITIZER	93.73	0.00	93.73 A	918	12/12/12
UNIFIRST UNIFIRST CORPORATION	035 3590169	DPW-UNIFORMS & SUPPLIES	127.01	0.00	127.01 A	918	12/12/12
UNIFIRST UNIFIRST CORPORATION	035 3592543	DPW-UNIFORMS & SUPPLIES	134.06	0.00	134.06 A	918	12/12/12
VERIZWIRE VERIZON WIRELESS	2824416517	FD, TADMIN--CELL PHONES	179.10	0.00	179.10 A	919	12/12/12
WRPC WHITE RIVER PAPER COMPANY	509311	TH/PD/PD--PAPER PRODUCTS	412.47	0.00	412.47 A	920	12/12/12

01/24/2014
03:01 pm

Town of Norwich Accounts Payable
Check Warrant Report #
All Manual\Direct Pays For Check Acct 01(General) 12/12/2012 To 12/12/2012

Page 2 of 2
jbynum

Vendor	Invoice	Invoice Description	Purchase Amount	Discount Amount	Amount Paid	Check Number	Check Date
Report Total			13,603.45	0.00	13,603.45		

To the Treasurer of Town of Norwich, We hereby certify that there is due to the several persons whose names are listed hereon the sum against each name and that there are good and sufficient vouchers supporting the payments aggregating \$ ****13,603.45
Let this be your order for the payments of these amounts.

FINANCE OFFICER _____
Roberta Robinson

TOWN MANAGER: _____
Neil Fulton

SELECTBOARD:

Christopher Ashley

Edwin Childs

Linda Cook

Stephen Flanders
Chair

Keith Moran



Mascoma Savings Bank

Incorporated in and mutually owned since 1899.

P.O. Box 4399
White River Jct., VT 05001
(603) 448-3650
888-627-2662

email: msbinfo@mascomabank.com
website: www.mascomabank.com
Fax (802) 291-6403
QuickVoice (603) 443-5500
800-707-3553

Date 12/31/12
Account Number

Page 4
376094

BUSINESS SWEEP CHECKING

376094 (Continued)

Transactions By Date Posted

Date	Description	Withdrawals	Deposits	Balance
	Confirmation number 1210120674			
12/13	Deposit		19,622.10	90,659.75
12/13	Transfer To Sweep R A	19,100.00		71,559.75
12/13	check 43675	100.00		71,459.75
12/14	CCD+ STATE OF VERMONT CCD 0000348945 RMR*IV*November 2012 Li**20\		20.00	71,479.75
12/14	Transfer From Sweep R A		14,200.00	85,679.75
12/14	DIRECT DEP TOWN OF NORWICH PPD	13,603.45		72,076.30
12/14	Check 43715	488.78		71,587.52
12/14	Check 43607	519.58		71,067.94
12/17	Transfer From Sweep R A		9,300.00	80,367.94
12/17	Deposit		404.00	80,771.94
12/17	Deposit		2,108.90	82,880.84
12/17	USATAXPYMT IRS CCD 270275204607840	11,476.79		71,404.05
12/17	check 43728	331.76		71,072.29
12/17	check 43673	55.00		71,017.29
12/18	Deposit		19,294.59	90,311.88
12/18	Transfer To Sweep R A	4,900.00		85,411.88
12/18	check 43707	166.42		85,245.46
12/18	check 43712	208.59		85,036.87
12/18	check 43708	210.00		84,826.87
12/18	check 43699	680.00		84,146.87
12/18	check 43714	19.07		84,127.80
12/18	check 43741	20.00		84,107.80
12/18	check 43713	48.93		84,058.87
12/18	check 43703	50.00		84,008.87
12/18	check 43733	50.00		83,958.87
12/18	check 43734	105.50		83,853.37
12/18	check 43723	144.00		83,709.37
12/18	check 43732	233.05		83,476.32
12/18	check 43735	643.97		82,832.35
12/18	check 43693	1,641.00		81,191.35
12/18	check 43725	2,469.24		78,722.11
12/18	check 43738	7,241.68		71,480.43
12/19	Transfer From Sweep R A		3,200.00	74,680.43
12/19	Deposit		10,564.04	85,244.47



Attn: Neil Fulton, Interim Town
Re: Norwich Pool Dam Design

December 12, 2012
Invoice No: 1212031
Project No: 921651L2

Town of Norwich
P.O. Box 376
300 Main Street
Norwich, VT 05055-0376

TERMS: Net 15 days from invoice date, 1.5% per month charged thereafter.

For professional services rendered for the period October 26, 2012 to November 29, 2012.

Consulting services related to the repair of the Norwich Pool Dam and repair of the Recreation Area associated with the swimming area that was damaged by Tropical Storm Irene.

<u>Contract Amount</u>	<u>% Work To Date</u>	<u>Amount Billable</u>	<u>Previous Billings</u>	<u>To Be Billed</u>
\$25,165.00	20.00%	\$5,033.00	\$3,774.75	\$1,258.25
Total Current Billing				\$1,258.25

Please remit payment to: P. O. Box 339, Randolph, VT 05060

Statement of Account (includes current invoice)

<u>0 - 30</u>	<u>31 - 60</u>	<u>61 - 90</u>	<u>91 - 120</u>	<u>121 +</u>	<u>Total AR</u>
\$5,033.00					\$5,033.00

ACCOUNT 01-5-425347
 AMOUNT \$1,258.25
 APPROVAL [Signature]
 DATE 12/14/12



RECEIVED

921651L2
December 12, 2012

DEC 14 2012

TOWN MANAGER'S OFFICE

Mr. Neil R. Fulton
Town of Norwich
P.O. Box 376
Norwich, VT 05055

**SUBJECT: Norwich Pool Dam Reconstruction Project
Progress Report No. 4 November 2012**

Dear Mr. Fulton:

Please find enclosed Invoice Number 1212031 for the period through November 29, 2012. This invoice accounts for outlined in our Scope of Work (April 9, 2012) required for this project. The specific work items completed under this invoice includes:

1. Task 3: Regulatory Agency Coordination. This task is ongoing, as close coordination is required to solicit input for an approvable design for the reconstruction of the dam.
2. Task 7: Alternative Analysis. This task is complete.
3. Task 8: Design, Plans, Specifications, and Cost Estimates. We have begun the preparation of the engineering documents including development of the basis of design and engineering plans.
4. Project Management and coordination.

If you have any questions or require additional information, please do not hesitate to contact me at (802) 728-3376. Thank you for the opportunity to work with you on this important project.

Very truly yours,

DuBOIS & KING, INC.

Shawn R. Patenaude, P.E.
Project Manager
Manager – Dam Engineering Group

Enclosure

I:\921651 Norwich Pool Dam\Admin\Progress Report\Norwich Pool Dam November 2012 Invoice.doc

12/27/2012
01:21 pm

Town of Norwich Accounts Payable
Check Warrant Report #
All Manual\Direct Pays For Check Acct 01(General) 12/26/2012 To 12/26/2012

Vendor	Invoice	Invoice Description	Purchase Amount	Discount Amount	Amount Paid	Check Number	Check Date
AMPEISCH	A.M. PEISCH & COMPANY, LLP 41197	AUDIT	4000.00	0.00	4000.00	A 921	12/26/12
ARC	ARC MECHANICAL CONTRACTORS, IN 53220	TH--HEAT REPAIR	90.00	0.00	90.00	A 922	12/26/12
BENS	BEN'S UNIFORMS 39088	PD--SHIRT	60.00	0.00	60.00	A 923	12/26/12
COTT	COTT SYSTEMS INC INV0063696	TC--BINDERS, PAPER	316.15	0.00	316.15	A 924	12/26/12
DUBOIS	DUBOIS & KING, INC. 1212031	REC--FEMA DAM CONSULT	1258.25	0.00	1258.25	A 925	12/26/12
FASTENAL	FASTENAL NHWES44579	DPW--WASHERS, NUTS	10.30	0.00	10.30	A 926	12/26/12
FIRETECH	FIRE TECH & SAFETY OF NEW ENGL 128776	FD--STRAPS, BEZELS	123.50	0.00	123.50	A 927	12/26/12
HANOVERTO	TOWN OF HANOVER 3201	ALARM MONITOR 7/12-6/13	337.50	0.00	337.50	A 928	12/26/12
IRVINGOIL	IRVING ENERGY DISTRIB. & MARKE 543475	TH--11.0 GAL #2 FUEL	38.43	0.00	38.43	A 929	12/26/12
IRVINGOIL	IRVING ENERGY DISTRIB. & MARKE 558600	TH--259.0 GAL #2 FUEL	904.95	0.00	904.95	A 929	12/26/12
MUNEMER	MUNICIPAL EMERGENCY SERVICES, 00367555_SNV	FD--AED BATTERY	119.76	0.00	119.76	A 930	12/26/12
NORTHEAST	NORTHEAST WASTE SERVICES 444739	DPW--RECY FEES NOV 12	1785.75	0.00	1785.75	A 931	12/26/12
NORTHEAST	NORTHEAST WASTE SERVICES 444740	DPW--TRASH FEES NOV 12	4683.35	0.00	4683.35	A 931	12/26/12
NORTHEAST	NORTHEAST WASTE SERVICES 445487	DPW--TRANS STA PORT-A-PO	85.00	0.00	85.00	A 931	12/26/12
SYMQUEST	SYMQUEST GROUP INC 627302	GADMIN--COPIER	186.00	0.00	186.00	A 932	12/26/12
SYMQUEST	SYMQUEST GROUP INC 635308	GADMIN--COPIER	272.40	0.00	272.40	A 932	12/26/12
Report Total			14,271.34	0.00	14,271.34		

To the Treasurer of Town of Norwich, We hereby certify that there is due to the several persons whose names are listed hereon the sum against each name and that there are good and sufficient vouchers supporting the payments aggregating \$ ****14,271.34
Let this be your order for the payments of these amounts.

FINANCE OFFICER _____
Roberta Robinson

TOWN MANAGER: _____
Neil Fulton

SELECTBOARD:

Christopher Ashley
Chair

Edwin Childs

Linda Cook

Stephen Flanders

Keith Moran



Mascoma Savings Bank

Incorporated in and mutually owned since 1899.

P.O. Box 4399
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800-707-3553

Date 12/31/12
Account Number

Page 6
376094

BUSINESS SWEEP CHECKING		376094 (Continued)	
Transactions By Date Posted			
Date	Description	Withdrawals	Deposits
12/27	CCD+ STATE OF VERMONT CCD 0000351383 RMR*IV*THS40012303**108879\		108,879.00
			180,328.91
12/27	Deposit		32,893.44
12/27	Transfer To Sweep R A	141,800.00	
			213,222.35
12/28	CCD+ STATE OF VERMONT CCD 0000351597 RMR*IV*Cochran, Nancy &**10\		20.00
			71,442.35
12/28	Transfer From Sweep R A		14,800.00
12/28	DIRECT DEP TOWN OF NORWICH PPD	14,271.34	
			86,242.35
12/28	Check 43757	129.50	
			71,841.51
12/28	Check 43771	816.78	
			71,024.73
12/31	Deposit		35,857.10
12/31	Deposit		49,823.86
			106,881.83
12/31	USATAXPYMT IRS CCD 270276654839504	84.72	
			156,705.69
12/31	TAXPAYMENT TOWN OF NORWICH CCD 430036000913F01	1,306.84	
			156,620.97
12/31	USATAXPYMT IRS CCD 270276615096059	10,751.86	
			155,314.13
12/31	Transfer To Sweep R A	49,800.00	
			144,562.27
12/31	Check 43762	112.50	
			94,762.27
12/31	Check 43767	150.00	
			94,649.77
12/31	Check 43718	48.25	
			94,499.77
12/31	Check 43773	54.52	
			94,451.52
12/31	Check 43778	89.68	
			94,397.00
12/31	Check 43766	144.00	
			94,307.32
12/31	Check 43659	150.00	
			94,163.32
12/31	Check 43760	182.75	
			94,013.32
12/31	Check 43746	236.36	
			93,830.57
12/31	Check 43745	407.99	
			93,594.21
12/31	Check 43779	643.97	
			93,186.22
12/31	Check 43756	2,887.76	
			92,542.25
12/31	Check 43744	18,170.93	
			89,654.49
			71,483.56



Attn: Neil Fulton, Interim Town
Re: Norwich Pool Dam Design

January 15, 2013
Invoice No: 1212212
Project No: 921651L2

Town of Norwich
P.O. Box 376
300 Main Street
Norwich, VT 05055-0376

01-5-425347
AMOUNT \$3,774.75
APPROVAL M
DATE 1/17/13

TERMS: Net 15 days from invoice date, 1.5% per month charged thereafter.

For professional services rendered for the period November 30, 2012 to December 27, 2012.

Consulting services related to the repair of the Norwich Pool Dam and repair of the Recreation Area associated with the swimming area that was damaged by Tropical Storm Irene.

<u>Contract Amount</u>	<u>% Work To Date</u>	<u>Amount Billable</u>	<u>Previous Billings</u>	<u>To Be Billed</u>
\$25,165.00	35.00%	\$8,807.75	\$5,033.00	\$3,774.75
Total Current Billing				\$3,774.75

Please remit payment to: P. O. Box 339, Randolph, VT 05060

Statement of Account (includes current invoice)

<u>0 - 30</u>	<u>31 - 60</u>	<u>61 - 90</u>	<u>91 - 120</u>	<u>121 +</u>	<u>Total AR</u>
\$3,774.75					\$3,774.75





921651L2
January 14, 2013

RECEIVED

JAN 17 2013

TOWN MANAGER'S OFFICE

Mr. Neil R. Fulton
Town of Norwich
P.O. Box 376
Norwich, VT 05055

**SUBJECT: Norwich Pool Dam Reconstruction Project
Progress Report No. 5 December 2012**

Dear Mr. Fulton:

Please find enclosed Invoice Number 1212212 for the period through December 27, 2012. This invoice accounts for outlined in our Scope of Work (April 9, 2012) required for this project. The specific work items completed under this invoice includes:

1. Task 3: Regulatory Agency Coordination. This task is ongoing, as close coordination is required to solicit input for an approvable design for the reconstruction of the dam.
2. Task 8: Design, Plans, Specifications, and Cost Estimates. Preparation of the engineering documents including development of the basis of design and engineering plans is currently ongoing.
3. Project Management and coordination.

If you have any questions or require additional information, please do not hesitate to contact me at (802) 728-3376. Thank you for the opportunity to work with you on this important project.

Very truly yours,

DuBOIS & KING, INC.

Shawn R. Patenaude, P.E.
Project Manager
Manager – Dam Engineering Group

Enclosure

I:\921651 Norwich Pool Dam\Admin\Progress Report\Norwich Pool Dam December 2012 Invoice.doc

01/24/2013

Town of Norwich Accounts Payable

12:54 pm

Check Warrant Report

All Manual\Direct Pays For Check Acct 01(General) 01/23/2013 To 01/23/2013

Vendor	Invoice	Invoice Description	Purchase Amount	Discount Amount	Amount Paid	Check Number	Check Date
AMPEISCH A.M. PEISCH & COMPANY, LLP	41469	AUDIT SERVICES	750.00	0.00	750.00	A 950	01/23/13
BLAKTOP BLAKTOP INC	16271	DPW--0.27 TON TUFF PATCH	29.16	0.00	29.16	A 951	01/23/13
COTT COTT SYSTEMS INC	INV0064069	TC--RECORDS HOST JAN 13	225.00	0.00	225.00	A 952	01/23/13
DUBOIS DUBOIS & KING, INC.	1212212	REC--FEMA DAM CONSULT	3774.75	0.00	3774.75	A 953	01/23/13
EVANSMOTO EVANS GROUP, INC.	484997	DPW--810 GALS DIESEL	2964.81	0.00	2964.81	A 954	01/23/13
EVANSMOTO EVANS GROUP, INC.	485914	977.0 GALS REG UNLEADED	3264.68	0.00	3264.68	A 954	01/23/13
FABRICARE J. B. FABRICARE	DEC 12	FD--UNIFORM CLEANING	52.50	0.00	52.50	A 955	01/23/13
FASTENAL FASTENAL	NHWES44933	DPW--STOCK REPLACEMENT	8.44	0.00	8.44	A 956	01/23/13
HANOVERTO TOWN OF HANOVER	3257	FD--DISPATCH 1/13-6/13	3710.00	0.00	3710.00	A 957	01/23/13
HAUN HAUN WELDING SUPPLY, INC.	8835524	DPW--WELDER COVER	99.00	0.00	99.00	A 958	01/23/13
IRVINGOIL IRVING ENERGY DISTRIB. & MARKE	258465	TH--32.3 GALS #2 FUEL	112.85	0.00	112.85	A 959	01/23/13
IRVINGOIL IRVING ENERGY DISTRIB. & MARKE	428788	TH--540.2 GALS #2 FUEL	1887.46	0.00	1887.46	A 959	01/23/13
IRVINGOIL IRVING ENERGY DISTRIB. & MARKE	658848	FD--299.4 GALS #2 FUEL	1046.10	0.00	1046.10	A 959	01/23/13
IRVINGOIL IRVING ENERGY DISTRIB. & MARKE	943988	PD--114.9 GAL #2 FUEL	401.46	0.00	401.46	A 959	01/23/13
KEYCOMM KEY COMMUNICATIONS INC	21831	TH--VOICEMAIL TOOL	84.00	0.00	84.00	A 960	01/23/13
NORTHEAST NORTHEAST WASTE SERVICES	453184	DPW--RECY FEES DEC 12	3010.80	0.00	3010.80	A 961	01/23/13
NORTHEAST NORTHEAST WASTE SERVICES	453185	DPW--TRASH FEES DEC 12	3986.15	0.00	3986.15	A 961	01/23/13
NORTHEAST NORTHEAST WASTE SERVICES	454055	DPW--TRANS ST PORT-A-POT	85.00	0.00	85.00	A 961	01/23/13
PIKE PIKE INDUSTRIES INC	687371	DPW--28.3 TON CRSHD STON	267.43	0.00	267.43	A 962	01/23/13
RICHARDSO TAD RICHARDSON	0000564	GADMIN--SERVER MAINT	187.50	0.00	187.50	A 963	01/23/13
RYMES RYMES HEATING OILS, INC	35368	DPW--11.5 GALS PROPANE	20.46	0.00	20.46	A 964	01/23/13
RYMES RYMES HEATING OILS, INC	35369	DPW--47.8 GALS PROPANE	85.04	0.00	85.04	A 964	01/23/13
SIMPLEX SIMPLEXGRINNELL	68504647	DPW--EMER LIGHT INSPECT	68.95	0.00	68.95	A 965	01/23/13
SIMPLEX SIMPLEXGRINNELL	68504648	DPW--FIRE EXTINGUISH INS	369.30	0.00	369.30	A 965	01/23/13
SIMPLEX SIMPLEXGRINNELL	68504649	SW--TRN ST FIRE EXT INSP	125.00	0.00	125.00	A 965	01/23/13
SYMQUEST SYMQUEST GROUP INC	644804	GADMIN--COPIER	186.00	0.00	186.00	A 966	01/23/13
TDS LEASE TDS LEASING INC	01039887	PD--COOLER RENTAL	30.00	0.00	30.00	A 967	01/23/13
WRPC WHITE RIVER PAPER COMPANY	515832	PD--BATHROOM SUPPLIES	70.11	0.00	70.11	A 968	01/23/13

01/24/2014
03:00 pm

Town of Norwich Accounts Payable
Check Warrant Report #
All Manual\Direct Pays For Check Acct 01(General) 01/23/2013 To 01/23/2013

Page 2 of 2
jbynum

Vendor	Invoice	Invoice Description	Purchase Amount	Discount Amount	Amount Paid	Check Number	Check Date
Report Total			26,901.95	0.00	26,901.95		

To the Treasurer of Town of Norwich, We hereby certify that there is due to the several persons whose names are listed hereon the sum against each name and that there are good and sufficient vouchers supporting the payments aggregating \$ ****26,901.95
Let this be your order for the payments of these amounts.

FINANCE OFFICER _____
Roberta Robinson

TOWN MANAGER: _____
Neil Fulton

SELECTBOARD:

Christopher Ashley Edwin Childs Linda Cook Stephen Flanders
Chair



Mascoma Savings Bank

P.O. Box 4399
White River Jct., VT 05001
(603) 448-3650
888-627-2662

email: msbinfo@mascomabank.com
website: www.mascomabank.com
Fax (802) 291-6403
QuickVoice (603) 443-5500
800-707-3553

Incorporated in and mutually owned since 1899.

Date 1/31/13
Account Number

Page 5
376094

BUSINESS SWEEP CHECKING

376094 (Continued)

Transactions By Date Posted

Date	Description	Withdrawals	Deposits	Balance
1/18	Deposit		40,535.38	112,015.46
1/18	Transfer To Sweep R A	38,900.00		73,115.46
1/18	Check 43784	10.00		73,105.46
1/18	Check 43789	224.38		72,881.08
1/18	Check 43821	670.27		72,210.81
1/18	Check 43605	756.00		71,454.81
1/22	Deposit		42,686.25	114,141.06
1/22	Transfer To Sweep R A	42,600.00		71,541.06
1/22	Check 43803	50.00		71,491.06
1/23	CCD+ STATE OF VERMONT CCD 0000356345 RMR*IV*December 2012 Li**10\		10.00	71,501.06
1/23	Deposit		79,361.73	150,862.79
1/23	Transf to Payroll PAY PERIOD ENDING 1-19-13 Confirmation number 122130864	33,311.80		117,550.99
1/23	Transfer To Sweep R A	46,100.00		71,450.99
1/24	Deposit		164,900.99	236,351.98
1/24	Transfer To Sweep R A	164,300.00		72,051.98
1/24	Check 43838	434.00		71,617.98
1/24	Check 43796	139.00		71,478.98
1/25	ACH SETTLE TOWNOFNORWICH CCD 294023089		1,533.11	73,012.09
1/25	Transfer From Sweep R A		25,100.00	98,112.09
1/25	DIRECT DEP TOWN OF NORWICH PPD	26,901.95		71,210.14
1/25	Check 43857	156.98		71,053.16
1/28	Deposit		71,203.57	142,256.73
1/28	Deposit		218,286.20	360,542.93
1/28	USATAXPYMT IRS CCD 270342803900134	11,943.32		348,599.61
1/28	Transfer To Sweep R A	250,400.00		98,199.61
1/28	Check 43764	60.00		98,139.61
1/28	Check 43844	107.34		98,032.27
1/28	Check 43819	33.50		97,998.77
1/28	Check 43856	81.77		97,917.00
1/28	Check 43462	114.33		97,802.67
1/28	Check 43823	270.00		97,532.67
1/28	Check 43853	372.89		97,159.78
1/28	Check 43860	646.52		96,513.26



Attn: Neil Fulton, Interim Town
Re: Norwich Pool Dam Evaluation & Analysis

July 31, 2012
Invoice No: 712327
Project No: 921651L1

Town of Norwich
P.O. Box 376
300 Main Street
Norwich, VT 05055-0376

TERMS: Net 15 days from invoice date, 1.5% per month charged thereafter.

For professional services rendered for the period June 1, 2012 to July 26, 2012.

Consulting services related to the repair of the Norwich Pool Dam and repair of the Recreation Area associated with the swimming area that was damaged by Tropical Storm Irene.

<u>Contract Amount</u>	<u>% Work To Date</u>	<u>Amount Billable</u>	<u>Previous Billings</u>	<u>To Be Billed</u>
\$19,358.00	78.00%	\$15,099.24	\$2,903.70	\$12,195.54
Total Current Billing				\$12,195.54

Please remit payment to: P. O. Box 339, Randolph, VT 05060

Statement of Account (includes current invoice)

0 - 30	31 - 60	61 - 90	91 - 120	121 +	Total AR
\$12,195.54					\$12,195.54



ACCOUNT 015-425347
AMOUNT 12,195.54
APPROVAL [Signature]
DATE 09/17/12



RECEIVED

AUG 16 2012

921651L1
August 14, 2012

TOWN MANAGER'S OFFICE

Mr. Neil R. Fulton
Town of Norwich
P.O. Box 376
Norwich, VT 05055

**SUBJECT: Norwich Pool Dam Reconstruction Project
Progress Report No. 1 June through July 2012**

Dear Mr. Fulton:

Please find enclosed Invoice Number 712327 for the period through July 26, 2012. This invoice accounts for outlined in our Scope of Work (April 9, 2012) required for this project. The specific work items completed under this invoice includes:

1. Task 1: Dam Safety Inspection. This task was conducted on June 6.
2. Task 2: Survey and Base Map. The filed portion of this task was conducted during the June 6 dam safety inspection.
3. Task 3: Regulatory Agency Coordination. This task is ongoing, as close coordination is required to solicit input for an approvable design for the reconstruction of the dam.
4. Task 4: Hydrologic and Hydraulic Analysis. The H&H analysis for development of the alternatives is complete.
5. Task 5: Geotechnical Analysis. Test pits were dug and observed during the inspection site visit on June 6, 2012. Information from this task is being used in developing the alternatives.
6. Task 6: Structural Analysis. A structural analysis was conducted on the existing structure to evaluate potential re-usage and flashboard pin design.
7. Task 7: Alternative Analysis. This task is ongoing including conducting a meeting with the Town for input and guidance regarding specifics of the alternatives to be presented to the public.
8. Public Information Meeting. Preparation is initiated for the public information meeting scheduled for August 20, 2012.
9. Project Management and coordination.

If you have any questions or require additional information, please do not hesitate to contact me at (802) 728-3376. Thank you for the opportunity to work with you on this important project.

Very truly yours,

DuBOIS & KING, INC.



Shawn R. Patenaude, P.E.
Project Manager
Manager – Dam Engineering Group

Enclosure

I:\921651 Norwich Pool Dam\Admin\Progress Report\Norwich Pool Dam May-July 2012 Invoice.doc

TOWN OF NORWICH GENERAL FUND P.O. BOX 376 NORWICH VERMONT 05665 (802) 649-0122		MASCOMA SAVINGS BANK NORWICH, VT 05665	CHECK NO. 43379 CTRL NO. 43379
PAY	One thousand one hundred fifty & 14/100 Dollars	DATE	AMOUNT
		09/12/12	*****1,150.14
TO THE ORDER OF	DELTA DEPOT PO BOX 8566 MANCHESTER NH 03109-9566		
<i>Cheryl A. Lindberg, Treasurer</i>			
⑆043379⑆ ⑆211770213⑆ 376 09 4⑆			

Ck# 43379 Date 9/18/2012 Amt \$1,150.14

TOWN OF NORWICH GENERAL FUND P.O. BOX 376 NORWICH VERMONT 05665 (802) 649-0122		MASCOMA SAVINGS BANK NORWICH, VT 05665	CHECK NO. 43380 CTRL NO. 43380
PAY	Forty-three & 00/100 Dollars	DATE	AMOUNT
		09/12/12	*****43.00
TO THE ORDER OF	DIGITAL ALLY, INC. PO BOX 43183 KANSAS CITY MO 64141-3183		
<i>Cheryl A. Lindberg, Treasurer</i>			
⑆043380⑆ ⑆211770213⑆ 376 09 4⑆			

Ck# 43380 Date 9/20/2012 Amt \$43.00

TOWN OF NORWICH GENERAL FUND P.O. BOX 376 NORWICH VERMONT 05665 (802) 649-0122		MASCOMA SAVINGS BANK NORWICH, VT 05665	CHECK NO. 43381 CTRL NO. 43381
PAY	Twelve thousand one hundred ninety-five & 54/100 Dollars	DATE	AMOUNT
		09/12/12	*****12,195.54
TO THE ORDER OF	DUBOIS & KING, INC. 28 MORSE WALN STREET PO BOX 339 RANDOLPH VT 05669		
<i>Cheryl A. Lindberg, Treasurer</i>			
⑆043381⑆ ⑆211770213⑆ 376 09 4⑆			

Ck# 43381 Date 9/17/2012 Amt \$12,195.54

TOWN OF NORWICH GENERAL FUND P.O. BOX 376 NORWICH VERMONT 05665 (802) 649-0122		MASCOMA SAVINGS BANK NORWICH, VT 05665	CHECK NO. 43383 CTRL NO. 43383
PAY	One hundred eighty-four & 72/100 Dollars	DATE	AMOUNT
		09/12/12	*****184.72
TO THE ORDER OF	COMBINED INSURANCE CO OF AMERICA P.O. BOX 8069 CHICAGO IL 60680-8069		
<i>Cheryl A. Lindberg, Treasurer</i>			
⑆043383⑆ ⑆211770213⑆ 376 09 4⑆			

Ck# 43383 Date 9/20/2012 Amt \$184.72

TOWN OF NORWICH GENERAL FUND P.O. BOX 376 NORWICH VERMONT 05665 (802) 649-0122		MASCOMA SAVINGS BANK NORWICH, VT 05665	CHECK NO. 43384 CTRL NO. 43384
PAY	One hundred thirty-five & 10/100 Dollars	DATE	AMOUNT
		09/12/12	*****135.10
TO THE ORDER OF	POGG'S HARDWARE AND BUILDING SUPPLY P.O. BOX 215 WAKEFIELD VT 05645-0215		
<i>Cheryl A. Lindberg, Treasurer</i>			
⑆043384⑆ ⑆211770213⑆ 376 09 4⑆			

Ck# 43384 Date 9/20/2012 Amt \$135.10

TOWN OF NORWICH GENERAL FUND P.O. BOX 376 NORWICH VERMONT 05665 (802) 649-0122		MASCOMA SAVINGS BANK NORWICH, VT 05665	CHECK NO. 43386 CTRL NO. 43386
PAY	Forty-nine & 69/100 Dollars	DATE	AMOUNT
		09/12/12	*****49.69
TO THE ORDER OF	GREEN MOUNTAIN POWER CORP PO BOX 74 BRATTLEBORO VT 05302		
<i>Cheryl A. Lindberg, Treasurer</i>			
⑆043386⑆ ⑆211770213⑆ 376 09 4⑆			

Ck# 43386 Date 9/17/2012 Amt \$49.69

TOWN OF NORWICH GENERAL FUND P.O. BOX 376 NORWICH VERMONT 05665 (802) 649-0122		MASCOMA SAVINGS BANK NORWICH, VT 05665	CHECK NO. 43387 CTRL NO. 43387
PAY	Nine hundred fifty-nine & 10/100 Dollars	DATE	AMOUNT
		09/12/12	*****959.10
TO THE ORDER OF	GREEN MOUNTAIN POWER CORP PO BOX 1915 BRATTLEBORO VT 05302-1915		
<i>Cheryl A. Lindberg, Treasurer</i>			
⑆043387⑆ ⑆211770213⑆ 376 09 4⑆			

Ck# 43387 Date 9/17/2012 Amt \$959.10

TOWN OF NORWICH GENERAL FUND P.O. BOX 376 NORWICH VERMONT 05665 (802) 649-0122		MASCOMA SAVINGS BANK NORWICH, VT 05665	CHECK NO. 43388 CTRL NO. 43388
PAY	Four hundred seventy-six & 00/100 Dollars	DATE	AMOUNT
		09/12/12	*****476.00
TO THE ORDER OF	ADRIE J GOODWIN 870 NEW BOSTON ROAD NORWICH VT 05655		
<i>Cheryl A. Lindberg, Treasurer</i>			
⑆043388⑆ ⑆211770213⑆ 376 09 4⑆			

Ck# 43388 Date 9/13/2012 Amt \$476.00

TOWN OF NORWICH GENERAL FUND P.O. BOX 376 NORWICH VERMONT 05665 (802) 649-0122		MASCOMA SAVINGS BANK NORWICH, VT 05665	CHECK NO. 43389 CTRL NO. 43389
PAY	One thousand five hundred forty-six & 50/100 Dollars	DATE	AMOUNT
		09/12/12	*****1,546.50
TO THE ORDER OF	HEALTH CARE & REHABILITATION SERV OF SOUTHEASTERN VERMONT 390 RIVER ST. SPRINGFIELD VT 05156		
<i>Cheryl A. Lindberg, Treasurer</i>			
⑆043389⑆ ⑆211770213⑆ 376 09 4⑆			

Ck# 43389 Date 9/17/2012 Amt \$1,546.50

TOWN OF NORWICH GENERAL FUND P.O. BOX 376 NORWICH VERMONT 05665 (802) 649-0122		MASCOMA SAVINGS BANK NORWICH, VT 05665	CHECK NO. 43390 CTRL NO. 43390
PAY	Two hundred four & 91/100 Dollars	DATE	AMOUNT
		09/12/12	*****204.91
TO THE ORDER OF	FOMX DEPOT CREDIT SERVICES PO BOX 9055 DES MOINES IA 50348-9055		
<i>Cheryl A. Lindberg, Treasurer</i>			
⑆043390⑆ ⑆211770213⑆ 376 09 4⑆			

Ck# 43390 Date 9/26/2012 Amt \$204.91

43381

VEND: DUBOIS: DUBOIS & KING, INC.
CTRL NO. 43381

INV DATE	INVOICE/REF. NO.	DESCRIPTION	AMOUNT PAID
07/31/12	712327	REC--POOL CONSULTING	12,195.54

09/12/12	12,195.54
CHECK DATE	CHECK AMOUNT

EASTERN SYSTEMS 800.223.0101

Town of Norwich, Vermont



CHARTERED 1761

Neil R. Fulton
Town Manager

December 17, 2015

Rose Lessard
Grants Administrator
Vermont Agency of Transportation
Contract & Grants Unit
1 National Life Drive 5th Floor
Montpelier, VT
05633

RE: Town of Norwich PW 02334- Progress Payment #2

Dear Ms. Lessard:

Enclosed with this letter please find a partial payment request for PW-02334. This request covers the time period of 12/28/12 to 10/29/2015 for consulting services by Dubois & King and Aquatec Biological Sciences, Inc. regarding the reconstruction of the Norwich Pool/Dam that was destroyed by Hurricane Irene. The reimbursement request is for \$ 52,600.22 which includes the FEMA & ERAF portions of the grant.

PW 02334 is for a total of \$ 567,284.28 and this is our second submission for reimbursement. The Agency of Natural Resources has now denied our permit to rebuild and the Selectboard is not going to appeal. We will be pursuing a Scope Change and Alternative Project request.

If you have any questions please contact Roberta Robinson, Finance Director at 802-649-1419 ext 105 or rrobinson@norwich.vt.us.

Sincerely,

A handwritten signature in black ink, appearing to read 'Neil Fulton', with a long horizontal flourish extending to the right.

Neil Fulton, Town Manager

Enclosure

FEDERAL EMERGENCY MANAGEMENT AGENCY

COST SUMMARY RECORD

APPLICANT		PW REF NO.	CATEGORY	FIPS NO.	DISASTER	
Town of Norwich, VT		2334	G	027-52900-00	4022	VT
	CLAIM COST	COMMENTS (FEMA USE ONLY)			ELIGIBLE COSTS	
FORCE ACCOUNT LABOR REGULAR TIME	\$ -				\$	-
FORCE ACCOUNT LABOR OVERTIME	\$ -				\$	-
FORCE ACCOUNT EQUIPMENT	\$ -				\$	-
MATERIALS	\$ -				\$	-
RENTAL EQUIPMENT	\$ -				\$	-
CONTRACTS	\$ 52,600.22				\$	52,600.22
DIRECT ADMIN. COST	\$ -				\$	-
TOTAL	\$ 52,600.22				\$	52,600.22

I certify that the above information was transcribed from timesheets, payroll records, equipment log, invoices, stock records or other documents which are available for audit.

Certified by: <i>Andrea Robinson</i>	Title: <i>Finance Director</i>	Date: <i>12/17/15</i>
--------------------------------------	--------------------------------	-----------------------

Applicant's records have been reviewed and found correct with the exceptions as noted.

12/16/15
12:24 pm

Town of Norwich General Ledger
Detail Transactions Report FY-2014
Period 1 Jul to Period 12 Jun

Page 1 of 1
RRobinson

Account: 01-8-428347.00		Description: FEMA-POOL GRANT						
Date	From Description	Reference	Budget Debit	Budget Credit	Encumbrance Debit	Encumbrance Credit	Actual Debit	Actual Credit
02/28/14	GL01 Posted to wrong account	GJ# 20140337					251.65	
Transaction Totals			0.00	0.00	0.00	0.00	251.65	0.00
Account Totals			0.00		0.00		251.65	



Attn: Neil Fulton, Interim Town
Re: Norwich Pool Dam Design

February 10, 2014
Invoice No: 114174
Project No: 921651L2

Town of Norwich
P.O. Box 376
300 Main Street
Norwich, VT 05055-0376

TERMS: Net 15 days from invoice date, 1.5% per month charged thereafter.

For professional services rendered for the period December 28, 2012 to January 30, 2014.

Consulting services related to the repair of the Norwich Pool Dam and repair of the Recreation Area associated with the swimming area that was damaged by Tropical Storm Irene.

<u>Contract Amount</u>	<u>% Work To Date</u>	<u>Amount Billable</u>	<u>Previous Billings</u>	<u>To Be Billed</u>
\$25,165.00	36.00%	\$9,059.40	\$8,807.75	\$251.65
Total Current Billing				\$251.65

Please remit payment to: P. O. Box 339, Randolph, VT 05060

Statement of Account (includes current invoice)

0 - 30	31 - 60	61 - 90	91 - 120	121 +	Total AR
\$251.65					\$251.65

01-5-425347.00

16-5-425346

AMOUNT

APPROVAL

02115114



ENTER

Town of Norwich Accounts Payable
Check Warrant Report #
All Manual\Direct Pays For Check Acct 01(General) 02/26/14 To 02/26/14

Vendor	Invoice	Invoice Description	Purchase Amount	Discount Amount	Amount Paid	Check Number	Check Date
ADVANCE TR ADVANCE TRANSIT INC	007243	2ND HALF FY14 APPROP	5180.00	0.00	5180.00	A 1442	02/26/14
AIRGAS AIRGAS USA, LLC	9024042715	FD--CYLINDER TESTING	20.00	0.00	20.00	A 1443	02/26/14
ARC ARC MECHANICAL CONTRACTORS, IN	66207	TH--BOILER REPAIR	2923.40	0.00	2923.40	A 1444	02/26/14
BAYSTATE BAY STATE ELEVATOR CO.	171629	TH-ELEVATOR MAINT FEB 14	221.45	0.00	221.45	A 1445	02/26/14
CASELLA CASELLA WASTE SERVICES	D0071256	SW-PORTA POTTIE	94.36	0.00	94.36	A 1446	02/26/14
CASELLA CASELLA WASTE SERVICES	D63091	SW-DEC RECYCLING	2066.77	0.00	2066.77	A 1446	02/26/14
CASELLA CASELLA WASTE SERVICES	D63092	SW-DECEMBER TRASH	3574.08	0.00	3574.08	A 1446	02/26/14
CASELLA CASELLA WASTE SERVICES	D69668	SW-JAN RECYCLING	2804.31	0.00	2804.31	A 1446	02/26/14
CASELLA CASELLA WASTE SERVICES	D69669	SW-JAN TRASH	5003.16	0.00	5003.16	A 1446	02/26/14
CEC CONSOLIDATED ELECTRICAL DISTRI	9433-668212	TH--EXIT SIGN BULBS	24.55	0.00	24.55	A 1447	02/26/14
COTT COTT SYSTEMS INC	INV0070592	TC--RECORDS HOST JAN 13	225.00	0.00	225.00	A 1448	02/26/14
D&B D&B OUTDOOR POWER EQUIP., LLC	5603	HWY--SAW CHAINS, PLUGS	50.00	0.00	50.00	A 1449	02/26/14
DUBOIS DUBOIS & KING, INC.	114174	REC--FERMA DAM CONSULT	251.65	0.00	251.65	A 1450	02/26/14
EVANEMOTO EVANS GROUP, INC.	519382	DPW--125.0 GALS DIESEL	466.48	0.00	466.48	A 1451	02/26/14
EVANEMOTO EVANS GROUP, INC.	519939	DPW-502 GALLONS DIESEL	1903.84	0.00	1903.84	A 1451	02/26/14
GOODWIN ADGEE J GOODWIN	2/20/2014	REC-PERSONAL TRAINING	138.25	0.00	138.25	A 1452	02/26/14
HANOVERTO TOWN OF HANOVER	3686	ALARM MONITOR 7/13-6/14	337.50	0.00	337.50	A 1453	02/26/14
HAUN HAUN WELDING SUPPLY, INC.	0890550	DPW-CYLINDER LEASE	292.00	0.00	292.00	A 1454	02/26/14
HEALTHCAR HEALTH CARE & REHABILITATION S	1/10/14	2ND HALF FY14 APPROP	1546.50	0.00	1546.50	A 1455	02/26/14
IRVINGOIL IRVING ENERGY DISTRIB. & MARKE	338819	FD--290.8 GALS #2 FUEL	954.70	0.00	954.70	A 1456	02/26/14
IRVINGOIL IRVING ENERGY DISTRIB. & MARKE	647711	SW-16.5 GALLONS PROPANE	24.74	0.00	24.74	A 1456	02/26/14
IRVINGOIL IRVING ENERGY DISTRIB. & MARKE	647967	SW-7 GALLONS PROPANE	10.50	0.00	10.50	A 1456	02/26/14
IRVINGOIL IRVING ENERGY DISTRIB. & MARKE	928034	TH--527.6 GALS #2 FUEL	1732.12	0.00	1732.12	A 1456	02/26/14
JP-CHEMICAL JP PEST SERVICES, INC	1257028	PD--PEST CONTROL	137.50	0.00	137.50	A 1457	02/26/14
PBA NEW ENGLAND PBA, INC	FEB 14 DUES	FEB 14 UNION DUES	368.00	0.00	368.00	A 1458	02/26/14
REYNOLDS REYNOLDS & SON INC	3217503	HWY--RAINGEAR	80.25	0.00	80.25	A 1459	02/26/14
RICHARDSON TAD RICHARDSON	0000799	GADMINN-SET UP COMPUTER	150.00	0.00	150.00	A 1460	02/26/14
ROGERSFAB ROGER'S FABRICARE, LLC	JAN2014	PD--JAN14 UNIFORM CLEAN	124.00	0.00	124.00	A 1461	02/26/14
SHERWIN SHERWIN-WILLIAMS	0668-9	TH--RESTROOM PAINT	255.96	0.00	255.96	A 1462	02/26/14

430,961.07

BUSINESS SWEEP CHECKING

376094 (Continued)

Transactions By Date Posted

Date	Description	Withdrawals	Deposits	Balance
3/03	Deposit		5,629.31 ✓	145,659.17
3/03	DIRECT DEP TOWN OF NORWICH PPD	30,961.07 ✓		114,698.10
3/03	Check 45130	43.93		114,654.17
3/03	Check 45145	58.08		114,596.09
3/03	Check 45154	88.23		114,507.86
3/03	Check 45150	342.77		114,165.09
3/03	Check 45149	4,160.00		110,005.09
3/04	Transfer From Sweep R A		26,800.00 ✓	136,805.09
3/04	Deposit		23,804.91 ✓	160,610.00
3/04	Transf to Fish and Wildlife Sales W/E 2/28/14 Confirmation number 303140964	42.00 ✓		160,568.00
3/04	Check 45135	120.00		160,448.00
3/04	Check 45129	12.00		160,436.00
3/04	Check 45143	40.00		160,396.00
3/04	Check 45160	139.87		160,256.13
3/04	Check 45139	586.95		159,669.18
3/04	Check 45134	730.00		158,939.18
3/04	Check 45157	820.59		158,118.59
3/04	Check 45133	1,514.85		156,603.74
3/04	Check 45125	2,700.00		153,903.74
3/04	Check 45152	2,949.24		150,954.50
3/04	Check 45136	2,977.50		147,977.00
3/04	Check 45159	3,500.00		144,477.00
3/04	Check 45127	5,227.54		139,249.46
3/04	Check 45162	8,277.08		130,972.38
3/04	Check 45124	20,917.08		110,055.30
3/05	Transfer From Sweep R A		39,900.00	149,955.30
3/05	Transf to Payroll PAY PERIOD ENDING 3-1-14 Confirmation number 303140995	35,187.79 ✓		114,767.51
3/05	Debit Memo	150.00 ✓		114,617.51
3/05	Check 45131	465.00		114,152.51
3/05	Check 45166	2,650.00		111,502.51
3/05	Check 45122	175.96		111,326.55
3/05	Check 45132	624.39		110,702.16
3/05	Check 45123	645.05		110,057.11
3/06	Deposit		25,058.93 ✓	135,116.04
3/06	Transfer To Sweep R A	24,100.00		111,016.04

12/16/15
12:32 pm

Town of Norwich General Ledger
Detail Transactions Report (Previous Year)
Period 1 Jul to Period 12 Jun

Page 1 of 1
RRobinson

Account:	01-5-428347.00	Last Year Unused Budget	Budget	Encumbrance	YTD Posting	Unexpanded Balance
Description:	FENA-POOL GRANT	0.00	32,443.44	0.00	32,443.44	0.00

Date	From Description	Reference	Budget Debit	Budget Credit	Encumbrance Debit	Encumbrance Credit	Actual Debit	Actual Credit
10/01/14	AP01 Ck:1139:AQUATEC BIOLOGICA	Batch 292					3001.60	
11/26/14	AP01 Ck:1404:AQUATEC BIOLOGICA	Batch 294					3656.80	
03/09/15	AP01 Ck:A 1860:AQUATEC BIOLO	Batch 300					517.50	
03/09/15	AP01 Ck:A 1864:DUBOIS & KING	Batch 300					5316.74	
06/30/15	GL01 Y/E Accounts Payable	GJ# 20160010					14651.95	
06/30/15	GL01 Aquatec Bill	GJ# 20160086					5098.85	
Transaction Totals			0.00	0.00	0.00	0.00	32443.44	0.00
Account Totals			0.00		0.00		32443.44	

TOWN OF NORWICH


1139

VEND: AQUATEC: AQUATEC BIOLOGICAL SCIENC
CTRL NO. 1139

INV DATE	INVOICE/REF. NO.	DESCRIPTION	AMOUNT PAID
08/29/14	7668	REC--DAM CONSULTATION	3,001.60

10/01/14
CHECK DATE

3,001.60
CHECK AMOUNT

 DELUXE CORP 1-800-328-0304 www.deluxeforms.com

149 D7429E STXRX2-06/2014 08-42

Aquatec Biological Sciences, Inc
 273 Commerce Street
 Williston, VT 05495
 USA

Voice: 802-860-1638
 Fax: 802-658-3189

Invoice

Invoice Number: 7668

7668

Invoice Date:

Aug 29, 2014

Page:

1

ACCOUNT 01-5-425347.00
 AMOUNT \$3,001.60
 APPROVAL [Signature]
 DATE 8/29/14

Sold To:
 Town of Norwich
 300 Main Street
 Norwich, VT 05055

Ship to:

[Signature] **RECEIVED**

RECEIVED
 SEP 8 2014
 TOWN MANAGER'S OFFICE

Customer ID	Customer PO	Payment Terms
Town of Norwich		Net 30 Days
		Due Date 9/28/14

Quantity	Item	Description	Unit Price	Extension
1.00	ECOMON	Site Visit 7/25/14		
5.00	ECOMON	P.Downey	115.00	575.00
186.00	ECOMON	Mileage	0.65	120.90
1.00	ECOMON	Proposal/Work Plan/SOP		
5.50	ECOMON	P.Downey	115.00	632.50
3.50	ECOMON	K.Koch	45.00	157.50
1.00	ECOMON	On-Site Training 8/16/14		
192.00	ECOMON	Mileage	0.65	124.80
4.50	ECOMON	K.Koch	45.00	202.50
1.00	ECOMON	Equipment Loan	100.00	100.00
1.00	ECOMON	Equipment Shipment	15.00	15.00
2.00	ECOMON	P.Downey-Preparation for Meeting 8/21-8/23	115.00	230.00
2.00	ECOMON	K.Koch-Preparation for Meeting 8/21-8/23	45.00	90.00
5.50	ECOMON	P.Downey-Planning Meeting-Norwich 8/25	115.00	632.50
186.00	ECOMON	Mileage	0.65	120.90

Subtotal 3,001.60
 Sales Tax
 Total Invoice Amount 3,001.60
 Payment Received 0.00
TOTAL 3,001.60

Check No:

1135

TOWN OF NORWICH
OPERATING ACCOUNT
PO BOX 376
NORWICH VT 05855

LEVIARD NATIONAL BANK
NORWICH VT 05855
CTR. NO. 1135

PAY TO THE ORDER OF ***One thousand six hundred ninety & 79/100 Dollars \$

10/01/14 *****1,690.79 DOLLARS

NEAL P. HICU
1283 QUAIL JOHN ROAD
E. SUFFORD VT 05843

MEMO

Check # 1135 for \$1,690.79 - 10/02/2014

#001135# @011701987# 653030#

1136

TOWN OF NORWICH
OPERATING ACCOUNT
PO BOX 376
NORWICH VT 05855

LEVIARD NATIONAL BANK
NORWICH VT 05855
CTR. NO. 1136

PAY TO THE ORDER OF ***Five hundred seventeen & 87/100 Dollars \$

10/01/14 *****517.87 DOLLARS

BOB E. THUSWELL
PO BOX 807
ACUMERICA VT 05853

MEMO

Check # 1136 for \$517.87 - 10/02/2014

#001136# @011701987# 653030#

Check # 1135 for \$1,690.79 - 10/02/2014

Check # 1136 for \$517.87 - 10/02/2014

1137

TOWN OF NORWICH
OPERATING ACCOUNT
PO BOX 376
NORWICH VT 05855

LEVIARD NATIONAL BANK
NORWICH VT 05855
CTR. NO. 1137

PAY TO THE ORDER OF Three hundred eighty-five & 00/100 Dollars \$

10/01/14 *****385.00 DOLLARS

AAA POLICE SUPPLY
345 PROVIDENCE HIGHWAY
DORHAM NH 03824

MEMO

Check # 1137 for \$385.00 - 10/10/2014

#001137# @011701987# 653030#

1138

TOWN OF NORWICH
OPERATING ACCOUNT
PO BOX 376
NORWICH VT 05855

LEVIARD NATIONAL BANK
NORWICH VT 05855
CTR. NO. 1138

PAY TO THE ORDER OF Two hundred seventy-one & 34/100 Dollars \$

10/03/14 *****271.34 DOLLARS

ADVANCE AUTO PARTS
AAA FINANCIAL SERVICES
PO BOX 742063
ATLANTA GA 30374-2063

MEMO

Check # 1138 for \$271.34 - 10/07/2014

#001138# @011701987# 653030#

Check # 1137 for \$385.00 - 10/10/2014

Check # 1138 for \$271.34 - 10/07/2014

1139

TOWN OF NORWICH
OPERATING ACCOUNT
PO BOX 376
NORWICH VT 05855

LEVIARD NATIONAL BANK
NORWICH VT 05855
CTR. NO. 1139

PAY TO THE ORDER OF Three thousand one & 60/100 Dollars \$

10/01/14 *****3,061.60 DOLLARS

AGRIPEC BIOLOGICAL SCIENCES, INC.
273 CORNHUCK STREET
WILLISTON VT 05485

MEMO

Check # 1139 for \$3,061.60 - 10/07/2014

#001139# @011701987# 653030#

1140

TOWN OF NORWICH
OPERATING ACCOUNT
PO BOX 376
NORWICH VT 05855

LEVIARD NATIONAL BANK
NORWICH VT 05855
CTR. NO. 1140

PAY TO THE ORDER OF One hundred ten & 00/100 Dollars \$

10/01/14 *****110.00 DOLLARS

ARC MECHANICAL CONTRACTORS, INC
PO BOX 124
SUFFORD VT 05853-0124

MEMO

Check # 1140 for \$110.00 - 10/07/2014

#001140# @011701987# 653030#

Check # 1139 for \$3,061.60 - 10/07/2014

Check # 1140 for \$110.00 - 10/07/2014

1141

TOWN OF NORWICH
OPERATING ACCOUNT
PO BOX 376
NORWICH VT 05855

LEVIARD NATIONAL BANK
NORWICH VT 05855
CTR. NO. 1141

PAY TO THE ORDER OF Six hundred & 00/100 Dollars \$

10/01/14 *****600.00 DOLLARS

BEAVERAGE'S LAWN SVC & LANDSCAPING
PO BOX 5086
WEST LEBANON NH 03784

MEMO

Check # 1141 for \$600.00 - 10/06/2014

#001141# @011701987# 653030#

1142

TOWN OF NORWICH
OPERATING ACCOUNT
PO BOX 376
NORWICH VT 05855

LEVIARD NATIONAL BANK
NORWICH VT 05855
CTR. NO. 1142

PAY TO THE ORDER OF Sixty-one & 79/100 Dollars \$

10/01/14 *****61.79 DOLLARS

CHARLES BROWN'S
3803 WOODSTOCK RD
WHITE RIVER JUNCTION VT 05801

MEMO

Check # 1142 for \$61.79 - 10/14/2014

#001142# @011701987# 653030#

Check # 1141 for \$600.00 - 10/06/2014

Check # 1142 for \$61.79 - 10/14/2014

1143

TOWN OF NORWICH
OPERATING ACCOUNT
PO BOX 376
NORWICH VT 05855

LEVIARD NATIONAL BANK
NORWICH VT 05855
CTR. NO. 1143

PAY TO THE ORDER OF Seven hundred thirty-one & 00/100 Dollars \$

10/01/14 *****731.00 DOLLARS

RUDITH REMOVAL & RECYCLE
PO BOX 15
ROSE HILLS VT 05858

MEMO

Check # 1143 for \$731.00 - 10/09/2014

#001143# @011701987# 653030#

1144

TOWN OF NORWICH
OPERATING ACCOUNT
PO BOX 376
NORWICH VT 05855

LEVIARD NATIONAL BANK
NORWICH VT 05855
CTR. NO. 1144

PAY TO THE ORDER OF Three hundred & 00/100 Dollars \$

10/01/14 *****300.00 DOLLARS

CASHOLE CONCRETE
P.O. BOX 1089
NEWPORT NH 03773

MEMO

Check # 1144 for \$300.00 - 10/07/2014

#001144# @011701987# 653030#

Check # 1143 for \$731.00 - 10/09/2014

Check # 1144 for \$300.00 - 10/07/2014

TOWN OF NORWICH, VERMONT

VEN: AQUATEC: AQUATEC BIOLOGICAL SCIENC
CTRL NO. 1404 1404

INV DATE	INVOICE/REF. NO.	DESCRIPTION	AMOUNT PAID
11/06/14	7706	REC--DAM CONSULTATION	3,656.80

11/26/14 3,656.80
CHECK DATE CHECK AMOUNT

A123858 EASTERN SYSTEMS 800.223.0101

Aquatec Biological Sciences, Inc
 273 Commerce Street
 Williston, VT 05495
 USA

Voice: 802-860-1638
 Fax: 802-658-3189

RECEIVED
 NOV 10 2014
 TOWN MANAGER'S OFFICE

Invoice
 Invoice Number: 7706
 Invoice Date: Nov 6, 2014
 Page: 1

Sold To:
 Town of Norwich
 300 Main Street
 Norwich, VT 05055

Ship to:

Customer ID		Customer PO		Payment Terms	
Town of Norwich				Net 30 Days	
				Due Date	
				12/6/14	
Quantity	Item	Description	Unit Price	Extension	
1.00	ECOMON	Project: 14033			
		Meeting with State/Preparation			
		9/16/14			
9.00	ECOMON	P. Downey	115.00	1,035.00	
186.00	MILAGE	Mileage	0.65	120.90	
1.00	ECOMON	Internal Telephone Meeting			
		(Norwich, Aquatec, & Dubois & King) 10/8/14			
1.00	ECOMON	P. Downey	115.00	115.00	
1.00	ECOMON	State Response Letter/Drafting			
		and Editing 10/22-10/24/14			
2.00	ECOMON	P. Downey	115.00	230.00	
1.00	ECOMON	Fish Sampling/Permits 10/30/14			
10.50	ECOMON	P. Downey	115.00	1,207.50	
9.50	ECOMON	K. Priest	45.00	427.50	
1.00	ECOMON	Electrofishing Equipment	400.00	400.00	
186.00	MILAGE	Mileage	0.65	120.90	
		ACCOUNT <u>01-5-425847</u>			
		AMOUNT <u>\$3,656.80</u>			
		APPROVAL <u>[Signature]</u>			
		DATE <u>11/12/14</u>			

Check No:


ENTERED

	Subtotal	3,656.80
	Sales Tax	
	Total Invoice Amount	3,656.80
	Payment Received	0.00
	TOTAL	3,656.80

Check # 1283 for \$1,500.00 - 12/01/2014

TO THE ORDER OF
TOWN OF NORWICH
CREDIT ACCOUNT
NO. 002 276
NORWICH VENDOR CODE
(MAY 04-0133)

DATE 10/15/14
AMOUNT *****1,500.00

PAID TO THE ORDER OF
SUSAN D. BROWN
76 KEVIN HENRIKSON STREET
NORWICH VT 05755

NO. 001780# 0011701987# 653030#

DATE 10/28/14
AMOUNT *****1,500.00

PAID TO THE ORDER OF
TOWN OF NORWICH
CREDIT ACCOUNT
NO. 002 276
NORWICH VENDOR CODE
(MAY 04-0133)

DATE 10/28/14
AMOUNT *****1,500.00

PAID TO THE ORDER OF
SUSAN D. BROWN
76 KEVIN HENRIKSON STREET
NORWICH VT 05755

NO. 001780# 0011701987# 653030#

Check # 1275 for \$1,500.00 - 12/01/2014

TO THE ORDER OF
TOWN OF NORWICH
CREDIT ACCOUNT
NO. 002 276
NORWICH VENDOR CODE
(MAY 04-0133)

DATE 10/15/14
AMOUNT *****1,500.00

PAID TO THE ORDER OF
RODNEY D. AGYON
80 BOX 810
HANDOVER NH 03755

NO. 001795# 0011701987# 653030#

DATE 10/28/14
AMOUNT *****1,500.00

PAID TO THE ORDER OF
TOWN OF NORWICH
CREDIT ACCOUNT
NO. 002 276
NORWICH VENDOR CODE
(MAY 04-0133)

DATE 10/28/14
AMOUNT *****1,500.00

PAID TO THE ORDER OF
SUSAN D. BROWN
76 KEVIN HENRIKSON STREET
NORWICH VT 05755

NO. 001780# 0011701987# 653030#

Check # 1280 for \$18.47 - 12/03/2014

TO THE ORDER OF
TOWN OF NORWICH
CREDIT ACCOUNT
NO. 002 276
NORWICH VENDOR CODE
(MAY 04-0133)

DATE 11/22/14
AMOUNT *****120.00

PAID TO THE ORDER OF
ROSE OF SAUVAGES
20 BOX 483
HANDOVER NH 03755

NO. 001351# 0011701987# 653030#

DATE 11/22/14
AMOUNT *****120.00

PAID TO THE ORDER OF
TOWN OF NORWICH
CREDIT ACCOUNT
NO. 002 276
NORWICH VENDOR CODE
(MAY 04-0133)

DATE 11/22/14
AMOUNT *****120.00

PAID TO THE ORDER OF
ROSE OF SAUVAGES
20 BOX 483
HANDOVER NH 03755

NO. 001351# 0011701987# 653030#

Check # 1311 for \$2,342.00 - 12/02/2014

TO THE ORDER OF
TOWN OF NORWICH
CREDIT ACCOUNT
NO. 002 276
NORWICH VENDOR CODE
(MAY 04-0133)

DATE 10/28/14
AMOUNT *****2,342.00

PAID TO THE ORDER OF
TERRY TAZLON
11 LAIRD RD.
DANFORTH NH 03230

NO. 001311# 0011701987# 653030#

DATE 11/12/14
AMOUNT *****4,108.00

PAID TO THE ORDER OF
WALTER JAHN NERBER
20 BOX 210
HARRIS VT 05035

NO. 001371# 0011701987# 653030#

Check # 1361 for \$120.00 - 12/05/2014

TO THE ORDER OF
TOWN OF NORWICH
CREDIT ACCOUNT
NO. 002 276
NORWICH VENDOR CODE
(MAY 04-0133)

DATE 11/12/14
AMOUNT *****80.00

PAID TO THE ORDER OF
KE LEBLANC
703 NAY CENTER
ONE CENTER STAYE, SUITE 500
HARRIS NH 05035

NO. 001371# 0011701987# 653030#

DATE 11/12/14
AMOUNT *****120.00

PAID TO THE ORDER OF
TOWN OF NORWICH
CREDIT ACCOUNT
NO. 002 276
NORWICH VENDOR CODE
(MAY 04-0133)

DATE 11/12/14
AMOUNT *****120.00

PAID TO THE ORDER OF
KE LEBLANC
703 NAY CENTER
ONE CENTER STAYE, SUITE 500
HARRIS NH 05035

NO. 001371# 0011701987# 653030#

Check # 1371 for \$1,105.30 - 12/19/2014

TO THE ORDER OF
TOWN OF NORWICH
CREDIT ACCOUNT
NO. 002 276
NORWICH VENDOR CODE
(MAY 04-0133)

DATE 11/12/14
AMOUNT *****1,920.00

PAID TO THE ORDER OF
REBECCA E. HODGSON-REYNOLDS, INC
17 OGDEN ST
NORWICH VT 05755

NO. 001392# 0011701987# 653030#

DATE 11/12/14
AMOUNT *****1,105.30

PAID TO THE ORDER OF
TOWN OF NORWICH
CREDIT ACCOUNT
NO. 002 276
NORWICH VENDOR CODE
(MAY 04-0133)

DATE 11/12/14
AMOUNT *****1,105.30

PAID TO THE ORDER OF
REBECCA E. HODGSON-REYNOLDS, INC
17 OGDEN ST
NORWICH VT 05755

NO. 001392# 0011701987# 653030#

Check # 1402 for \$127.00 - 12/08/2014

TO THE ORDER OF
TOWN OF NORWICH
CREDIT ACCOUNT
NO. 002 276
NORWICH VENDOR CODE
(MAY 04-0133)

DATE 11/26/14
AMOUNT *****127.00

PAID TO THE ORDER OF
AAA SOURCE SERVICE
810 PROYONCHER HIGHWAY
BETHLEHEM NH 05208

NO. 001402# 0011701987# 653030#

DATE 11/26/14
AMOUNT *****127.00

PAID TO THE ORDER OF
TOWN OF NORWICH
CREDIT ACCOUNT
NO. 002 276
NORWICH VENDOR CODE
(MAY 04-0133)

DATE 11/26/14
AMOUNT *****127.00

PAID TO THE ORDER OF
AAA SOURCE SERVICE
810 PROYONCHER HIGHWAY
BETHLEHEM NH 05208

NO. 001402# 0011701987# 653030#

Check # 1392 for \$1,920.00 - 12/04/2014

TO THE ORDER OF
TOWN OF NORWICH
CREDIT ACCOUNT
NO. 002 276
NORWICH VENDOR CODE
(MAY 04-0133)

DATE 11/26/14
AMOUNT *****1,920.00

PAID TO THE ORDER OF
THREE HUNDRED NINETY-TWO & 00/100 DOLLARS

NO. 001403# 0011701987# 653030#

DATE 11/26/14
AMOUNT *****1,920.00

PAID TO THE ORDER OF
TOWN OF NORWICH
CREDIT ACCOUNT
NO. 002 276
NORWICH VENDOR CODE
(MAY 04-0133)

DATE 11/26/14
AMOUNT *****1,920.00

PAID TO THE ORDER OF
THREE HUNDRED NINETY-TWO & 00/100 DOLLARS

NO. 001403# 0011701987# 653030#

Check # 1404 for \$3,656.80 - 12/03/2014

TO THE ORDER OF
TOWN OF NORWICH
CREDIT ACCOUNT
NO. 002 276
NORWICH VENDOR CODE
(MAY 04-0133)

DATE 11/26/14
AMOUNT *****3,656.80

PAID TO THE ORDER OF
THREE THOUSAND SIX HUNDRED FIFTY-SIX & 80/100 DOLLARS

NO. 001404# 0011701987# 653030#

DATE 11/26/14
AMOUNT *****3,656.80

PAID TO THE ORDER OF
TOWN OF NORWICH
CREDIT ACCOUNT
NO. 002 276
NORWICH VENDOR CODE
(MAY 04-0133)

DATE 11/26/14
AMOUNT *****3,656.80

PAID TO THE ORDER OF
THREE THOUSAND SIX HUNDRED FIFTY-SIX & 80/100 DOLLARS

NO. 001404# 0011701987# 653030#

Check # 1403 for \$364.70 - 12/02/2014

TO THE ORDER OF
TOWN OF NORWICH
CREDIT ACCOUNT
NO. 002 276
NORWICH VENDOR CODE
(MAY 04-0133)

DATE 11/26/14
AMOUNT *****364.70

PAID TO THE ORDER OF
THREE HUNDRED SIXTY-FOUR & 70/100 DOLLARS

NO. 001403# 0011701987# 653030#

DATE 11/26/14
AMOUNT *****364.70

PAID TO THE ORDER OF
TOWN OF NORWICH
CREDIT ACCOUNT
NO. 002 276
NORWICH VENDOR CODE
(MAY 04-0133)

DATE 11/26/14
AMOUNT *****364.70

PAID TO THE ORDER OF
THREE HUNDRED SIXTY-FOUR & 70/100 DOLLARS

NO. 001403# 0011701987# 653030#

Aquatec Biological Sciences, Inc
 273 Commerce Street
 Williston, VT 05495
 USA

Invoice

Invoice Number:
7732

Invoice Date:
Jan 30, 2015

Voice: 802-860-1638
 Fax: 802-658-3189

Page:
1

Sold To:
 Town of Norwich
 300 Main Street
 Norwich, VT 05055

Ship to:

Customer ID		Customer PO	Payment Terms	
Town of Norwich			Net 30 Days	
				Due Date
				3/1/15
Quantity	Item	Description	Unit Price	Extension
2.00	ECOMON	Project: 14033 Town of Norwich		
		Draft Report 1/5/15 - P. Downey	115.00	230.00
1.00	ECOMON	Preparation for Meeting 1/18/15 - P. Downey	115.00	115.00
1.50	ECOMON	Telephone Meeting 1/20/15 - P. Downey	115.00	172.50

ACCOUNT 01-5-425347
 AMOUNT 517.50
 APPROVAL [Signature]
 DATE 02/20/15

Subtotal	517.50
Sales Tax	
Total Invoice Amount	517.50
Payment Received	0.00
TOTAL	517.50

Check No:

Vendor	Invoice	Invoice Description	Purchase Amount	Discount Amount	Amount Paid	Check Number	Check Date
AQUATEC	AQUATEC BIOLOGICAL SCIENCES, I 7732	REC--DAM CONSULTATION	517.50	0.00	517.50	A 1860	03/09/15
CASELLA	CASELLA WASTE SERVICES 0153032	DPW--JAN 15 RECYL FEES	2438.69	0.00	2438.69	A 1861	03/09/15
CASELLA	CASELLA WASTE SERVICES 0153033	DPW--JAN 15 TRASH FEES	4408.89	0.00	4408.89	A 1861	03/09/15
COTT	COTT SYSTEMS INC INV0077115	TC--RECORDS HOST MAR 15	225.00	0.00	225.00	A 1862	03/09/15
CRYSTAL	CRYSTAL ROCK, LLC 1/31/15	HWY--COOLER RENTAL	12.00	0.00	12.00	A 1863	03/09/15
DUBOIS	DUBOIS & KING, INC. 215044	REC--FEMA DAM CONSULT	5316.74	0.00	5316.74	A 1864	03/09/15
EVANSMOTO	EVANS GROUP, INC. 551664	HWY--834.0 GALS DIESEL	2067.61	0.00	2067.61	A 1865	03/09/15
EVANSMOTO	EVANS GROUP, INC. 552372	HWY--1000.0 GALS DIESEL	2631.42	0.00	2631.42	A 1865	03/09/15
FASTENAL	FASTENAL NHWES55813	HWY--MARKING SUPPLIES	29.67	0.00	29.67	A 1866	03/09/15
FASTENAL	FASTENAL NHWES56321	FO--FASTENERS	3.00	0.00	3.00	A 1866	03/09/15
GEORGE	MICHELE GEORGE 2/26/2015	REC--YOGA INSTRUCTION	864.50	0.00	864.50	A 1867	03/09/15
IRVINGOIL	IRVING ENERGY DISTRIB. & MARKE 133188	SW--108.3 GAL PROPANE	200.14	0.00	200.14	A 1868	03/09/15
IRVINGOIL	IRVING ENERGY DISTRIB. & MARKE 134179	HWY--1234.9 GAL PROPANE	2282.10	0.00	2282.10	A 1868	03/09/15
IRVINGOIL	IRVING ENERGY DISTRIB. & MARKE 42014	SW--22.0 GALS PROPANE	40.66	0.00	40.66	A 1868	03/09/15
IRVINGOIL	IRVING ENERGY DISTRIB. & MARKE 451749	FD--321.9 GALS #2 FUEL	1063.23	0.00	1063.23	A 1868	03/09/15
IRVINGOIL	IRVING ENERGY DISTRIB. & MARKE 54500	TR--648.5 GALS #2 FUEL	2142.01	0.00	2142.01	A 1868	03/09/15
JPCHEMICAL	JP PEST SERVICES, INC 1406105	PD--PEST CONTROL	144.00	0.00	144.00	A 1869	03/09/15
KIBBY	KIBBY EQUIPMENT 266440	FD--HOSE	35.14	0.00	35.14	A 1870	03/09/15
LHS	LHS ASSOCIATES, INC. 46592	STMTG--CODE & BALLOT PRI	2755.00	0.00	2755.00	A 1871	03/09/15
LINCOLN	LINCOLN FINANCIAL GROUP MAR 2015	MAR 2015 LIFE/DISAB INSU	1238.85	0.00	1238.85	A 1872	03/09/15
NORSOLAR	NORWICH SOLAR PROJECT I, LLC FEB 15	SOLAR--FEBRUARY 2015	525.47	0.00	525.47	A 1873	03/09/15
PBA	NEW ENGLAND PBA, INC FEB 15	JAN 15 UNION DUES	411.44	0.00	411.44	A 1874	03/09/15
REPRO	REPROGRAPHICS OF NEW ENGLAND 84347	TOWN ADMIN--TOWN REPORT	3062.13	0.00	3062.13	A 1875	03/09/15
ROGERSFAB	ROGER'S FABRICARE, LLC JAN 15	FC--UNIFORM CLEANING	182.00	0.00	182.00	A 1876	03/09/15
SYMQUEST	SYMQUEST GROUP INC 684834	GADMIN--COPIER	250.80	0.00	250.80	A 1877	03/09/15
TENCO	TENCO INDUSTRIES, INC 4806491-RI	HWY--TRK #4 CONV CHAIN	1460.00	0.00	1460.00	A 1878	03/09/15
UNIFIRST	UNIFIRST CORPORATION 035 3856383	DPW--UNIFORMS & SUPPLIES	169.16	0.00	169.16	A 1879	03/09/15
UNIFIRST	UNIFIRST CORPORATION 035 3858744	DPW--UNIFORMS & SUPPLIES	169.16	0.00	169.16	A 1879	03/09/15
UNIFIRST	UNIFIRST CORPORATION 035 3861105	DPW--UNIFORMS & SUPPLIES	169.16	0.00	169.16	A 1879	03/09/15
UNIFIRST	UNIFIRST CORPORATION 035 3863534	DPW--UNIFORMS & SUPPLIES	177.46	0.00	177.46	A 1879	01/09/15
VERIZWIRE	VERIZON WIRELESS 9740027308	TR--DPW-FD-PO-CELL PHONES	482.23	0.00	482.23	A 1880	03/09/15
VTELEVA	VT ELEVATOR INSPECTION SERVICE 15315	TR--ELEVATOR INSPECTION	200.00	0.00	200.00	A 1881	03/09/15

4 35675¹⁶

LEDYARD

PO Box 799 Hanover, New Hampshire 03755 603.643.2244

NATIONAL BANK

PAGE 2

131 TOWN OF NORWICH
 OPERATING ACCOUNT
 ATT: TREASURER
 PO BOX 376
 NORWICH VT 05055

Privacy Notice: Our Privacy Policy has not changed and
 can be seen at <http://ledyardbank.com/privacynotice>
 or call us at 603-643-2244 and we will mail you a copy.

PRIMARY ACCT: 653030 STATEMENT PERIOD: 03/01/2015 - 03/31/2015

BUSINESS CHECKING 653030

DESCRIPTION	CHECKS	DEPOSITS	DATE	BALANCE
CHECK 1765	13,673.79		03/06	1,256,632.17
DEPOSIT		2,188.80	03/09	1,258,820.97
DEPOSIT		9,011.25	03/09	1,267,832.22
DEBIT MEMO	135.00		03/09	1,267,697.22
FISH AND GAME 3-2 TO 3-6-15				
CHECK 1474	80.00		03/09	1,267,617.22
CHECK 1769	100.00		03/09	1,267,517.22
CHECK 174	657.89		03/09	1,266,859.33
CHECK 1770	1,000,000.00		03/09	266,859.33
ACH DEBIT	15,077.39		03/09	251,781.94
IRS [CCD] USATAXPMT				
ACH DEBIT	35,675.16		03/09	216,106.78
TOWN OF NORWICH [PPD] DIRECT DEP				
DEPOSIT		21,697.95	03/10	237,804.73
ACH CREDIT		10.00	03/10	237,814.73
STATE OF VERMONT [CCD] CCD+ RMR*IV*McLaughry, Susan**10\				
CHECK 1731	16.00		03/10	237,798.73
CHECK 1777	22.31		03/10	237,776.42
CHECK 1754	39.95		03/10	237,736.47
CHECK 1732	50.00		03/10	237,686.47
CHECK 1775	57.44		03/10	237,629.03
CHECK 1759	159.98		03/10	237,469.05
CHECK 1748	217.84		03/10	237,251.21
CHECK 1750	418.00		03/10	236,833.21
CHECK 1709	710.00		03/10	236,123.21
CHECK 1779	935.85		03/10	235,187.36
CHECK 1751	1,082.64		03/10	234,104.72
CHECK 1746	1,215.90		03/10	232,888.82
CHECK 1749	1,760.00		03/10	231,128.82
CHECK 1753	3,216.16		03/10	227,912.66
CHECK 1743	8,430.97		03/10	219,481.69
CHECK 1781	10,029.23		03/10	209,452.46

CONTINUED ON PAGE ... 3



921651
February 24, 2015

Mr. Neil R. Fulton
Town of Norwich
P.O. Box 376
Norwich, VT 05055

**SUBJECT: Norwich Pool Dam Reconstruction Project
Progress Report No. 6**

Dear Mr. Fulton:

Please find enclosed Invoice Number 215044 for the period September 2014 to February 19, 2015. This invoice accounts for work conducted as outlined below.

- Field Topographic Survey – Conducted an updated survey of the dam and reservoir area to reflect current base line conditions as of September 2014 and prepared associated base mapping for subsequent design efforts.
- Prepared an existing conditions river hydraulics model (HEC-RAS) reflective of the September 2014 survey. Also prepared an initial HEC-RAS model of proposed conditions in the reservoir.
- Ongoing assistance regarding permitting of the repair work.

If you have any questions or require additional information, please do not hesitate to contact me at (802) 728-3376. Thank you for the opportunity to work with you on this important project.

Very truly yours,

DuBOIS & KING, INC.

For Jeffrey W. Tucker, P.E., LEED AP
President / Principal

Enclosure

I:\921651 Norwich Pool Dam\Admin\Progress Report\Norwich Pool Dam 02_24_15.doc



Attn: Neil Fulton, Town Manager
Re: Norwich Pool Dam Design

February 24, 2015
Invoice No: 215044
Project No: 921651P3

Town of Norwich
P.O. Box 376
Norwich, VT 05055-0376

TERMS: Net 15 days from invoice date, 1.5% per month charged thereafter.

For professional services rendered for the period to February 19, 2015.

Services related to the repair of the Norwich Pool Dam and Recreation Area that was damaged by Tropical Storm Irene.

Professional Services

<u>Title</u>	<u>Rate</u>	<u>Hours</u>	<u>Amount</u>
Survey Technician	\$65.00	17.00	\$1,105.00
Principal	\$120.00	9.00	\$1,080.00
Hydraulics Engineer/River Hydrologist	\$86.00	26.50	\$2,279.00
CADD/Drafter	\$65.00	8.50	\$552.50
		61.00	\$5,016.50
Total Professional Service Fees			\$5,016.50

Reimbursable Expenses

<u>Description</u>	<u>Account</u>	<u>Amount</u>
Equipment	01-5-425341	\$200.00
Travel	AMOUNT \$5,316.74	\$100.24
	APPROVAL <i>[Signature]</i>	\$300.24
	DATE 02/27/15	
Total Reimbursable Expenses		\$300.24

Total Current Billing

\$5,316.74

Please remit payment to: P. O. Box 339, Randolph, VT 05060

03/06/2015
02:26 pm

Town of Norwich Accounts Payable
Check Warrant Report # Current Prior Next FY Invoices
All Manual\Direct Pays For Check Acct 01 (General) 03/05/2015 To 03/05/2015

Page 1 of 2
jbynum

Vendor	Invoice	Invoice Description	Purchase Amount	Discount Amount	Amount Paid	Check Number	Check Date
AQUATEC	AQUATEC BIOLOGICAL SCIENCES, I 7732	REC--DAM CONSULTATION	517.50	0.00	517.50	A 1860	03/09/15
CASELLA	CASELLA WASTE SERVICES 0153032	DPW--JAN 15 RECYL FEES	2438.69	0.00	2438.69	A 1861	03/09/15
CASELLA	CASELLA WASTE SERVICES 0153033	DPW--JAN 15 TRASH FEES	4408.69	0.00	4408.69	A 1861	03/09/15
COTT	COTT SYSTEMS INC INV0077115	TC--RECORDS BOST MAR 15	225.00	0.00	225.00	A 1862	03/09/15
CRYSTAL	CRYSTAL ROCK, LLC 1/31/15	HWY--COOLER RENTAL	12.00	0.00	12.00	A 1863	03/09/15
DUBOIS	DUBOIS & KING, INC. 215044	REC--FEMA DAM CONSULT	5316.74	0.00	5316.74	A 1864	03/09/15
EVANSMOTO	EVANS GROUP, INC. 551664	HWY--834.0 GALS DIESEL	2067.61	0.00	2067.61	A 1865	03/09/15
EVANSMOTO	EVANS GROUP, INC. 552372	HWY--1000.0 GALS DIESEL	2631.42	0.00	2631.42	A 1865	03/09/15
FASTENAL	FASTENAL NHWES55813	HWY--MARKING SUPPLIES	29.67	0.00	29.67	A 1866	03/09/15
FASTENAL	FASTENAL NHWES56321	FD--FASTENERS	3.00	0.00	3.00	A 1866	03/09/15
GEORGE	MICHELE GEORGE 2/26/2015	REC--YOGA INSTRUCTION	864.50	0.00	864.50	A 1867	03/09/15
IRVINGOIL	IRVING ENERGY DISTRIB. & MARKE 133188	SW--108.3 GAL PROPANE	200.14	0.00	200.14	A 1868	03/09/15
IRVINGOIL	IRVING ENERGY DISTRIB. & MARKE 134179	HWY--1234.9 GAL PROPANE	2282.10	0.00	2282.10	A 1868	03/09/15
IRVINGOIL	IRVING ENERGY DISTRIB. & MARKE 42014	SW--22.0 GALS PROPANE	40.66	0.00	40.66	A 1866	03/09/15
IRVINGOIL	IRVING ENERGY DISTRIB. & MARKE 451749	FD--321.9 GALS #2 FUEL	1063.23	0.00	1063.23	A 1868	03/09/15
IRVINGOIL	IRVING ENERGY DISTRIB. & MARKE 54500	TH--648.5 GALS #2 FUEL	2142.01	0.00	2142.01	A 1868	03/09/15
JPCHEMICAL	JP PEST SERVICES, INC 1406105	PD--PEST CONTROL	144.00	0.00	144.00	A 1869	03/09/15
KIBBY	KIBBY EQUIPMENT 266440	FD--HOSE	35.14	0.00	35.14	A 1870	03/09/15
LHS	LHS ASSOCIATES, INC. 46592	STMTC--CODE & BALLOT PRI	2755.00	0.00	2755.00	A 1871	03/09/15
LINCOLN	LINCOLN FINANCIAL GROUP MAR 2015	MAR 2015 LIFE/DISAB INSU	1238.85	0.00	1238.85	A 1872	03/09/15
NORSOLAR	NORWICH SOLAR PROJECT I, LLC FEB 15	SOLAR--FEBRUARY 2015	525.47	0.00	525.47	A 1873	03/09/15
PBA	NEW ENGLAND PBA, INC FEB 15	JAN 15 UNION DUES	411.44	0.00	411.44	A 1874	03/09/15
REPRO	REPROGRAPHICS OF NEW ENGLAND 84347	TOWN ADMIN--TOWN REPORT	3062.13	0.00	3062.13	A 1875	03/09/15
ROGERSFAB	ROGER'S FABRICARE, LLC JAN 15	FD--UNIFORM CLEANING	182.00	0.00	182.00	A 1876	03/09/15
SYMQUEST	SYMQUEST GROUP INC 684834	GACMIN--COPIER	250.80	0.00	250.80	A 1877	03/09/15
TENCO	TENCO INDUSTRIES, INC 4806491-RI	HWY--TRK #4 CONV CHAIN	1460.00	0.00	1460.00	A 1878	03/09/15
UNIFIRST	UNIFIRST CORPORATION 035 3856383	DPW-UNIFORMS & SUPPLIES	169.16	0.00	169.16	A 1879	03/09/15
UNIFIRST	UNIFIRST CORPORATION 035 3858744	DPW-UNIFORMS & SUPPLIES	169.16	0.00	169.16	A 1879	03/09/15
UNIFIRST	UNIFIRST CORPORATION 035 3861105	DPW-UNIFORMS & SUPPLIES	169.16	0.00	169.16	A 1879	03/09/15
UNIFIRST	UNIFIRST CORPORATION 035 3862534	DPW-UNIFORMS & SUPPLIES	177.46	0.00	177.46	A 1879	03/09/15
VERIZWIRE	VERIZON WIRELESS 9740027300	TM-DPW-FD-PD-CELL PHONES	482.23	0.00	482.23	A 1880	03/09/15
VTELEVA	VT ELEVATOR INSPECTION SERVICE 15315	TH-ELEVATOR INSPECTION	200.00	0.00	200.00	A 1881	03/09/15

35675¹⁶

LEDYARD

NATIONAL BANK

PO Box 799 Hanover, New Hampshire 03755 603 643.2244

131 TOWN OF NORWICH
 OPERATING ACCOUNT
 ATT: TREASURER
 PO BOX 376
 NORWICH VT 05055

Privacy Notice: Our Privacy Policy has not changed and can be seen at <http://ledyardbank.com/privacynotice> or call us at 603-643-2244 and we will mail you a copy.

PRIMARY ACCT: 653030 STATEMENT PERIOD: 03/01/2015 - 03/31/2015

BUSINESS CHECKING 653030

DESCRIPTION	CHECKS	DEPOSITS	DATE	BALANCE
CHECK 1765	13,673.79		03/06	1,256,632.17
DEPOSIT		2,188.80	03/09	1,258,820.97
DEPOSIT		9,011.25	03/09	1,267,832.22
DEBIT MEMO	135.00		03/09	1,267,697.22
FISH AND GAME 3-2 TO 3-6-15				
CHECK 1474	80.00		03/09	1,267,617.22
CHECK 1769	100.00		03/09	1,267,517.22
CHECK 174	657.89		03/09	1,266,859.33
CHECK 1770	1,000,000.00		03/09	266,859.33
ACH DEBIT	15,077.39		03/09	251,781.94
ACH DEBIT	35,675.16		03/09	216,106.78
IRS [CCD] USATAXPMT				
DEPOSIT		21,697.95	03/10	237,804.73
ACH CREDIT		10.00	03/10	237,814.73
STATE OF VERMONT [CCD] CCD+ RMR*IV*McLaughry, Susan**10\				
CHECK 1731	16.00		03/10	237,798.73
CHECK 1777	22.31		03/10	237,776.42
CHECK 1754	39.95		03/10	237,736.47
CHECK 1732	50.00		03/10	237,686.47
CHECK 1775	57.44		03/10	237,629.03
CHECK 1759	159.98		03/10	237,469.05
CHECK 1748	217.84		03/10	237,251.21
CHECK 1750	418.00		03/10	236,833.21
CHECK 1709	710.00		03/10	236,123.21
CHECK 1779	935.85		03/10	235,187.36
CHECK 1751	1,082.64		03/10	234,104.72
CHECK 1746	1,215.90		03/10	232,888.82
CHECK 1749	1,760.00		03/10	231,128.82
CHECK 1753	3,216.16		03/10	227,912.66
CHECK 1743	8,430.97		03/10	219,481.69
CHECK 1781	10,029.23		03/10	209,452.46

CONTINUED ON PAGE 3

0.00 *



*25 or
YEARS*

2,903.70 +
25,262.05 +
251.65 +
12,492.64 +
THISON 14,851.95 +
55,761.99 *

ERING • PLANNING • DEVELOPMENT • MANAGEMENT

Attn:
Re: |

July 2, 2015
Invoice No: 615180
Project No: 921651P3

To:
P.O.
Norwich, VT 05055-0376

TERMS: Net 30 days from invoice date, 1.5% per month charged thereafter.

For professional services rendered for the period February 20, 2015 to June 25, 2015.

Services related to the repair of the Norwich Pool Dam and Recreation Area that was damaged by Tropical Storm Irene.

Professional Services

<u>Title</u>	<u>Rate</u>	<u>Hours</u>	<u>Amount</u>
Principal	\$120.00	6.00	\$720.00
Hydraulics Engineer/River Hydrologist	\$86.00	57.00	\$4,902.00
CADD/Drafter	\$65.00	58.00	\$3,770.00
Project Engineer I	\$88.00	60.50	\$5,324.00
		181.50	\$14,716.00

Total Professional Service Fees

✓ 14-15

\$14,716.00

Reimbursable Expenses

01-2-001160.00

<u>Description</u>	<u>Amount</u>
Telephone	\$0.25
Travel	\$135.70
APPROVAL	\$135.95
DATE	

✓ ACCOUNT 01-5426347.00
AMOUNT \$14,851.95
APPROVAL [Signature]
DATE 7/7/15

Total Reimbursable Expenses

\$135.95

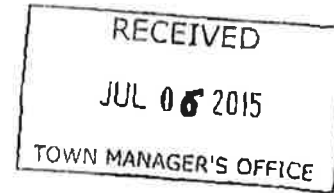
Total Current Billing

\$14,851.95

Please remit payment to: P. O. Box 339, Randolph, VT 05060



ENGINEERING • PLANNING • DEVELOPMENT • MANAGEMENT



921651
July 2, 2015

Mr. Neil R. Fulton
Town of Norwich
P.O. Box 376
Norwich, VT 05055

**SUBJECT: Norwich Pool Dam Reconstruction Project
Progress Report No. 7**

Dear Mr. Fulton:

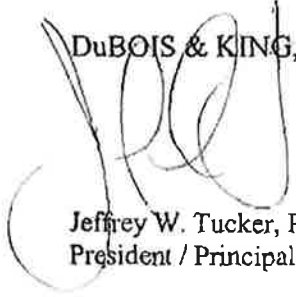
Please find enclosed Invoice Number 615180 for the period February 20, 2015 to June 25, 2015. This invoice accounts for work conducted as outlined below.

- Conducted hydrologic and hydraulic analyses for Charles Brown Brook for proposed conditions, modeling dam full and dam free-flowing conditions. Estimated flows ranging from drought (low flow) conditions up to and including the 0.02 exceedance frequency flood event. Prepared a HEC-RAS hydraulic model to evaluate these low and flood flow conditions. Also hydraulically modelled the pool fill time and drawn time.
- Prepared for and attended several project meetings, at the Town Offices, one at DuBois & King's Randolph office and the June 23, 2015 Public informational meeting.
- Initiated preparation of the VTANR Stream Alteration Permit, including the 60% engineering plans.

If you have any questions or require additional information, please do not hesitate to contact me at (802) 728-3376. Thank you for the opportunity to work with you on this important project.

Very truly yours,

DuBOIS & KING, INC.



Jeffrey W. Tucker, P.E., LEED AP
President / Principal

Enclosure

I:\921651 Norwich Pool Dam\Admin\Progress Report\Norwich Pool Dam 06_30_15.doc

Vendor	Invoice	Invoice Description	Purchase Amount	Discount Amount	Amount Paid	Check Number	Check Date
ADVANCE	ADVANCE AUTO PARTS	084518072012 DPW--AIR HAMMER KIT	169.95	0.00	169.95	A 2042	07/27/15
BURLCOMM	BURLINGTON COMMUNICATIONS SERV	20151177 PD--RADIO MAINTENANCE	192.50	0.00	192.50	A 2043	07/27/15
DUBOIS	DUBOIS & KING, INC.	615180 POOL DAM SERVICES	14851.95	0.00	14851.95	A 2044	07/27/15
FASTENAL	FASTENAL	NHWES58352 HWY--ADHESIVE	4.10	0.00	4.10	A 2045	07/27/15
HARTFORD	TOWN OF HARTFORD	6635 PD--MAY 15 BROADBAND	158.58	0.00	158.58	A 2046	07/27/15
HARTFORD	TOWN OF HARTFORD	6648 PD--DISPATCH JUL-SEP 15	11828.50	0.00	11828.50	A 2046	07/27/15
LEAGUESPO	LEAGUE SPORTS SERVICES, LLC	160253 REC--MAY/JUN 15 REG FEES	722.00	0.00	722.00	A 2047	07/27/15
RYMES	RYMES HEATING OILS, INC	70215 CITIZENS' ASSISTANCE	213.90	0.00	213.90	A 2048	07/27/15
TENCO	TENCO INDUSTRIES, INC	4918001-RI DPW-TRUCK #4 REPAIRS	5247.46	0.00	5247.46	A 2049	07/27/15
UNIFIRST	UNIFIRST CORPORATION	035 3908412 DPW-UNIFORMS, SUPPLIES	169.16	0.00	169.16	A 2050	07/27/15
Report Total			33,558.10	0.00	33,558.10		

To the Treasurer of Town of Norwich, We hereby certify that there is due to the several persons whose names are listed hereon the sum against each name and that there are good and sufficient vouchers supporting the payments aggregating \$ ****33,558 10
 Let this be your order for the payments of these amounts.

FINANCE DIRECTOR _____
 Roberta Robinson

TOWN MANAGER: _____
 Neil Fulton

SELECTBOARD:

 Christopher Ashley

 Linda Cook
 Chair

 Stephen Flanders

 Dan Goulet

 Mary Layton

LEDYARD

NATIONAL BANK

PO Box 799 Hanover, New Hampshire 03755 603.643.2244

PAGE 6

168 TOWN OF NORWICH
 OPERATING ACCOUNT
 ATT: TREASURER
 PO BOX 376
 NORWICH VT 05055

Ask us about our low rate home equity products!

PRIMARY ACCT: 653030 STATEMENT PERIOD: 07/01/2015 - 07/31/2015

BUSINESS CHECKING 653030

DESCRIPTION	CHECKS	DEPOSITS	DATE	BALANCE
AUTO TRANSFER DEBIT	325,000.00 ✓		07/24	476,948.83
to ICS per R Robinson				
CHECK 2250	50.70		07/24	476,898.13
CHECK 2257	368.57		07/24	476,529.56
CHECK 2256	442.34		07/24	476,087.22
DEPOSIT		26,783.71 ✓	07/27	502,870.93
DEPOSIT		69,526.47 ✓	07/27	572,397.40
DEBIT MEMO	48.50 ✓		07/27	572,348.90
FISH AND WILDLIFE 7-20 to 7-24				
CHECK 2272	32.14		07/27	572,316.76
CHECK 2283	77.50		07/27	572,239.26
CHECK 2273	82.50		07/27	572,156.76
CHECK 2294	125.26		07/27	572,031.50
CHECK 2160	194.99		07/27	571,836.51
CHECK 2295	211.97		07/27	571,624.54
CHECK 2296	961.00		07/27	570,663.54
CHECK 2259	986.66		07/27	569,676.88
CHECK 2243	1,000.00		07/27	568,676.88
CHECK 2289	4,800.00		07/27	563,876.88
CHECK 2268	12,000.00		07/27	551,876.88
CHECK 2228	12,714.70		07/27	539,162.18
CHECK 2293	44,157.40		07/27	495,004.78
ACH DEBIT	16,552.43 ✓		07/27	478,452.35
ACH DEBIT	33,558.10 ✓		07/27	444,894.25
TOWN OF NORWICH [PPD] DIRECT DEP				
DEPOSIT		114,843.50 ✓	07/28	559,737.75
CHECK 2277	24.82		07/28	559,712.93
CHECK 2271	49.85		07/28	559,663.08
CHECK 2281	102.67		07/28	559,560.41
CHECK 2276	165.54		07/28	559,394.87
CHECK 2270	244.92		07/28	559,149.95

CONTINUED ON PAGE ... 7

Aquatec Biological Sciences, Inc
 273 Commerce Street
 Williston, VT 05495
 USA

RECEIVED
 AUG 26 2015
 TOWN MANAGER'S OFFICE

Invoice
 Invoice Number: 7770
 Invoice Date: Aug 14, 2015

Voice: 802-860-1638
 Fax: 802-658-3189

15-16 FY
 ACCOUNT 01-5-415.347.00
 AMOUNT 44,567.25 14-15 FY
 APPROVAL [Signature] 01-2-001160.00
 DATE 8/27/15 [Signature] \$5098.85
 Ship to:

Sold To:
 Town of Norwich
 300 Main Street
 Norwich, VT 05055

ENTER

ADD to Fixed Assets
 In 15-16

90%
 4588.92

Customer ID	Customer PO	Payment Terms	Due Date	
Town of Norwich		Net 30 Days	9/13/15	
Quantity	Item	Description	Unit Price	Extension
2.00	ECOMON	Project: 14033 Data Review for Meeting 6/5/15 P. Downey	115.00	230.00
4.50	ECOMON	Meeting at Randolph with Dubois & King 6/8/15 P. Downey	115.00	517.50
122.00	MILAGE	Mileage 6/8/15	0.65	79.30
3.00	ECOMON	Spec Equipment/Pickup Equipment 6/11/15 P. Downey	115.00	345.00
2.00	ECOMON	Develop Draft SOP 6/12/15 P. Downey	115.00	230.00
2.00	ECOMON	Pickup Probes 6/15/15 P. Downey	115.00	230.00
2.50	ECOMON	Setup Probes for Operation 6/15/15 P. Downey	115.00	287.50
3.00	ECOMON	Outline/Guidance for Pond Operation 6/17/15 P. Downey	115.00	345.00
4.50	ECOMON	Attend Planning Meeting Norwich 6/18/15 P. Downey	115.00	517.50

Subtotal Continued
 Sales Tax Continued
 Total Invoice Amount Continued
 Payment Received Continued
 TOTAL Continued

Check No:

Aquatec Biological Sciences, Inc
 273 Commerce Street
 Williston, VT 05495
 USA

Invoice
 Invoice Number:
 7770

Invoice Date:
 Aug 14, 2015

Voice: 802-860-1638
 Fax: 802-658-3189

Page:
 2

Sold To:
 Town of Norwich
 300 Main Street
 Norwich, VT 05055

Ship to:

Customer ID		Customer PO		Payment Terms	
Town of Norwich				Net 30 Days	
				<u>Due Date</u>	
				9/13/15	
Quantity	Item	Description	Unit Price	Extension	
182.00	MILAGE	Mileage 6/18/15	0.65	118.30	
	ECOMON	Prep for Public Meeting 6/22/15			
2.00	ECOMON	P. Downey	115.00	230.00	
	ECOMON	Prep and Attend Public Meeting 6/23/15			
8.00	ECOMON	P. Downey	115.00	920.00	
182.00	MILAGE	Mileage 6/23/15	0.65	118.30	
	ECOMON	Calibrate Probes 6/24/15			
3.00	ECOMON	P. Downey	115.00	345.00	
	ECOMON	Deploy Probes at CBB and Blood Brook 6/25/15			
4.00	ECOMON	P. Downey	115.00	460.00	
193.00	MILAGE	Mileage 6/25/15	0.65	125.45	
	ECOMON	Scoping for Surrogate Pond 6/28/15			
2.00	ECOMON	P. Downey	115.00	230.00	
	ECOMON	Prep/Deploy Probes at CBB Upstream/Downstream Old Reservoir 7/1/15 - 7/2/15			
6.00	ECOMON	P. Downey	115.00	690.00	
198.00	MILAGE	Mileage 7/2/15	0.65	128.70	
	ECOMON	Check Probes/Download Data/Replace Pond Probe 8/2/15			

Subtotal	Continued
Sales Tax	Continued
Total Invoice Amount	Continued
Payment Received	Continued
TOTAL	Continued

Check No:

Aquatec Biological Sciences, Inc
 273 Commerce Street
 Williston, VT 05495
 USA

Invoice
 Invoice Number:
 7770

Invoice Date:
 Aug 14, 2015

Voice: 802-860-1638
 Fax: 802-658-3189

Page:
 3

Sold To:
 Town of Norwich
 300 Main Street
 Norwich, VT 05055

Ship to:

Customer ID		Customer PO		Payment Terms	
Town of Norwich				Net 30 Days	
				<u>Due Date</u>	
				9/13/15	
Quantity	Item	Description	Unit Price	Extension	
6.00	ECOMON	P. Downey	115.00	690.00	
191.00	MILAGE	Mileage 8/2/15	0.65	124.15	
	ECOMON	Download Probe Data 8/7/15			
5.00	ECOMON	P. Downey	115.00	575.00	
5.00	ECOMON	K. Priest	50.00	250.00	
2.00	ECOMON	Probe Equipment Useage - June/July	500.00	1,000.00	
195.00	MILAGE	Mileage 8/7/15	0.65	126.75	
	ECOMON	Reviewed Draft Prints/Meeting Notes/WQ Standards			
4.00	ECOMON	P. Downey	115.00	460.00	
	ECOMON	Evaluated Probe Temperature Data for Permit Application 8/9/15			
4.00	ECOMON	P. Downey	115.00	460.00	
	ECOMON	Review Chandlers Narrative/Drafted Fish and Temperature Text 8/10/15			
3.00	ECOMON	P. Downey	115.00	345.00	
	ECOMON	Attend Meeting in Norwich 8/11/15			
6.00	ECOMON	P. Downey	115.00	690.00	
181.00	MILAGE	Mileage 8/11/15	0.65	117.65	
	ECOMON	Address Application Temperature Comments/Redrafted Temperature			

Subtotal	Continued
Sales Tax	Continued
Total Invoice Amount	Continued
Payment Received	Continued
TOTAL	Continued

Check No:

Aquatec Biological Sciences, Inc
 273 Commerce Street
 Williston, VT 05495
 USA

Invoice

Invoice Number:
 7770

Invoice Date:
 Aug 14, 2015

Voice: 802-860-1638
 Fax: 802-658-3189

Page:
 4

Sold To:
 Town of Norwich
 300 Main Street
 Norwich, VT 05055

Ship to:

Customer ID		Customer PO		Payment Terms	
Town of Norwich				Net 30 Days	
				Due Date	
				9/13/15	
Quantity	Item	Description	Unit Price	Extension	
3.00	ECOMON	Section 8/12/15			
	ECOMON	P. Downey	115.00	345.00	
		Added to Application Temperature			
		Section Based on Nates Comments			
		8/15/15			
2.00	ECOMON	P. Downey	115.00	230.00	

Subtotal	11,561.10
Sales Tax	
Total Invoice Amount	11,561.10
Payment Received	0.00
TOTAL	11,561.10

Check No:

Vendor	Invoice	Invoice Description	Purchase Amount	Discount Amount	Amount Paid	Check Number	Check Date
AMPEISCH A.M. PEISCH & COMPANY, LLP	52900	FIN--AUDIT SERVICES	7000.00	0.00	7000.00	A 2110	09/14/15
AQUATEC AQUATEC BIOLOGICAL SCIENCES, I	7770	REC--DAM CONSULTATION	11561.10	0.00	11561.10	A 2111	09/14/15
BROCCO COURTNEY BROCKETT	655190	B&G--MEDIAN GARDENING	140.00	0.00	140.00	A 2112	09/14/15
BSN BSN SPORTS	97124864	REC-ROLL-DRI UNIT	54.99	0.00	54.99	A 2113	09/14/15
CASELLA CASELLA WASTE SERVICES	0193958	SW--JUL 15 RECYCLING	2691.44	0.00	2691.44	A 2114	09/14/15
CASELLA CASELLA WASTE SERVICES	0193959	SW--JUL 15 TRASH FEES	5096.37	0.00	5096.37	A 2114	09/14/15
COTT COTT SYSTEMS INC	105326	TC--DIGITIZING RECORDS	3995.00	0.00	3995.00	A 2115	09/14/15
EVANSMOTO EVANS GROUP, INC.	567048	HWY--800.0 GALS DIESEL	1379.11	0.00	1379.11	A 2116	09/14/15
FERGUSON FERGUSON WATERWORKS	0387177	HWY--CULVERT	345.20	0.00	345.20	A 2117	09/14/15
FIRETECHS FIRETECH SPRINKLER CORP	39058	TH--SPRINKLER INSPECTION	390.00	0.00	390.00	A 2118	09/14/15
HARTFORD TOWN OF HARTFORD	6810	PD--BROADBAND JUL 2015	157.06	0.00	157.06	A 2119	09/14/15
NORSOLAR NORWICH SOLAR PROJECT I, LLC	AUG 15	TR & HWY GARAGE--AUG 15	525.47	0.00	525.47	A 2120	09/14/15
PIKE PIKE INDUSTRIES INC	819847	HWY--20.57 TNS EROS STN	215.99	0.00	215.99	A 2121	09/14/15
PIKE PIKE INDUSTRIES INC	819850	HWY--52.93 TNS RAP	666.92	0.00	666.92	A 2121	09/14/15
PIKE PIKE INDUSTRIES INC	819855	HWY--8.54 TNS CRSHD STN	78.57	0.00	78.57	A 2121	09/14/15
PIKE PIKE INDUSTRIES INC	819860	HWY--9.19 TNS RAP	115.79	0.00	115.79	A 2121	09/14/15
PIKE PIKE INDUSTRIES INC	820246	HWY--36.05 TNS CRSHD STN	331.65	0.00	331.65	A 2121	09/14/15
PIKE PIKE INDUSTRIES INC	820256	HWY--23.51 TNS STN	235.46	0.00	235.46	A 2121	09/14/15
PIKE PIKE INDUSTRIES INC	820259	HWY--9.18 TNS CRSHD STN	84.46	0.00	84.46	A 2121	09/14/15
PIKE PIKE INDUSTRIES INC	820525	HWY--6.88 TNS EROS STN	72.24	0.00	72.24	A 2121	09/14/15
PIKE PIKE INDUSTRIES INC	822196	HWY--9.47 TN CRSHD STN	87.12	0.00	87.12	A 2121	09/14/15
PIKE PIKE INDUSTRIES INC	822987	HWY--62.87 TNS RAP	792.16	0.00	792.16	A 2121	09/14/15
SOLAFLECT SOLAFLECT SOLAR PARK I, LLC	AUG 2015	PD, SW, PD, PD, TS--AUG 2015	848.13	0.00	848.13	A 2122	09/14/15
TDS LEASE TDS LEASING INC	01052162	PD--COOLER RENT	30.00	0.00	30.00	A 2123	09/14/15
TOTALTREE TOTALLY TREES	8/18/2015	DPW--TREE REMOVAL	2160.00	0.00	2160.00	A 2124	09/14/15
TOTALTREE TOTALLY TREES	8/25/15	DPW--TREE REMOVAL	990.00	0.00	990.00	A 2124	09/14/15
VERIZWIRE VERIZON WIRELESS	9750112819	TM-DPW-PD-PD-CELL PHONES	235.06	0.00	235.06	A 2125	09/14/15
WBMASON W.B. MASON CO., INC.	I27748647	SW--INK CARTRIDGES	68.68	0.00	68.68	A 2126	09/14/15
ZEE ZEE MEDICAL, INC.	0113668298	HWY--MEDICAL SUPPLIES	246.00	0.00	246.00	A 2127	09/14/15

40593 97

LEDYARD

NATIONAL BANK

PO Box 799 Hanover, New Hampshire 03755 603 643.2244

123 TOWN OF NORWICH
 OPERATING ACCOUNT
 ATT: TREASURER
 PO BOX 376
 NORWICH VT 05055

PRIMARY ACCT: 653030 STATEMENT PERIOD: 09/01/2015 - 09/30/2015

BUSINESS CHECKING 653030

DESCRIPTION	WITHDRAWALS	DEPOSITS	DATE	BALANCE
DEBIT MEMO	6.50 ✓		09/09	69,655.89
FISH AND WILDLIFE 8-31 TO 9-4				
CHECK # 2420	325.13		09/09	69,330.76
CHECK # 2361	445.00		09/09	68,885.76
ACH DEBIT	1,591.52 ✓		09/09	67,294.24
TOWN OF NORWICH [PPD] ACH S PAY VERMONT WITHHOLDING PPEND 8-29-15				
OD/SWEEP TRF DEBIT	12,294.24		09/09	55,000.00
TRANS TO 904581				
DEPOSIT		1,603.46 ✓	09/10	56,603.46
CHECK # 2418	350.00		09/10	56,253.46
CHARGE BACK	30.00		09/10	56,223.46
CHARGE BACK: REBECCA A. REED REASON: FROZEN/BLOCKED ACCOUNT				
OD/SWEEP TRF DEBIT	1,223.46		09/10	55,000.00
TRANS TO 904581				
OD/SWEEP TRF CREDIT		1,006,615.00	09/11	1,061,615.00
TRANS FROM 904581				
CHECK # 2336	6,615.00		09/11	1,055,000.00
CHECK # 2447	1,000,000.00		09/11	55,000.00
DEPOSIT		246.00 ✓	09/14	55,246.00
DEPOSIT		784.00 ✓	09/14	56,030.00
OD/SWEEP TRF CREDIT		42,854.42	09/14	98,884.42
TRANS FROM 904581				
CHECK # 2444	103.17		09/14	98,781.25
CHECK # 2455	108.42		09/14	98,672.83
CHECK # 2436	111.30		09/14	98,561.53
CHECK # 2463	414.02		09/14	98,147.51
CHECK # 2464	500.00		09/14	97,647.51
CHECK # 2453	2,053.54 ✓		09/14	95,593.97
ACH DEBIT	40,593.97 ✓		09/14	55,000.00
TOWN OF NORWICH [PPD] DIRECT DEP				
DEPOSIT		4,349.32 ✓	09/15	59,349.32

CONTINUED ON PAGE ... 4

12/16/15
03:55 pm

Town of Norwich General Ledger
Detail Transactions Report
Period 1 Jul to Period 6 Dec

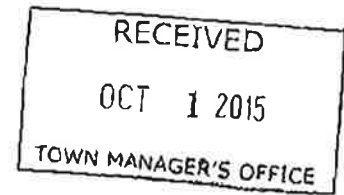
Page 1 of 1
RRobinson

Account:	01-8-428347.00	Last Year Unused Budget	Budget	Encumbrance	YTD Posting	Unexpended Balance		
Description:	FEO-POOL GRANT	0.00	0.00	0.00	22,671.55	(22,671.55) ** Over Budget **		
Date	From Description	Reference	Budget Debit	Budget Credit	Encumbrance Debit	Encumbrance Credit	Actual Debit	Actual Credit
08/28/15	AP01 Ck:2418:STATE OF VERMONT	Batch 309					350.00	
09/14/15	AP01 Ck:A 2111:AQUATEC BIOLO	Batch 309					6462.25	
10/19/15	AP01 Ck:A 2153:DUBOIS & KING	Batch 310					14853.00	
11/30/15	AP01 Ck:A 2227:DUBOIS & KING	Batch 311					1356.30	
12/16/15	GL01 Move Permit Fee to Prof.	GJ# 20160212						350.00
Transaction Totals			0.00	0.00	0.00	0.00	23021.55	350.00
Account Totals			0.00		0.00		22671.55	

in two fiscal years



921651
September 29, 2015



Mr. Neil R. Fulton
Town of Norwich
P.O. Box 376
Norwich, VT 05055

**SUBJECT: Norwich Pool Dam Reconstruction Project
Progress Report No. 8**

Dear Mr. Fulton:

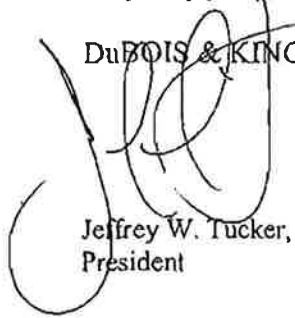
Please find enclosed Invoice Number 915060 for the period June 26, 2015 to September 24, 2015. This invoice accounts for work conducted as outlined below.

- Developed engineering design and engineering drawings to the 60% level for the dam and stream restoration work.
- Prepared a VTANR Stream Alteration Individual Permit application, including authoring a detailed project narrative, pool filling and draining procedures, creating a project map and documenting hydrologic and hydraulic calculations in support of the narrative.
- Conducted an initial site review by our wetlands specialist to document regulatory wetlands within the project area.
- Initiated preparation of the US Army Corps of Engineers Permit for Section 404 Clearance.
- Prepared for and attended a project meeting at the Town Offices.

If you have any questions or require additional information, please do not hesitate to contact me at (802) 728-3376. Thank you for the opportunity to work with you on this important project.

Very truly yours,

DuBOIS & KING, INC.


Jeffrey W. Tucker, P.E., LEED AP
President

Enclosure

I:\921651 Norwich Pool Dam\Admin\Progress Report\Norwich Pool Dam 09_22_15.doc



Attn: Neil Fulton, Town Manager
Re: Norwich Pool Dam Design

September 29, 2015
Invoice No: 915160
Project No: 921651P3

Town of Norwich
P.O. Box 376
Norwich, VT 05055-0376

ACCOUNT 01-8-425347
AMOUNT \$14,853
APPROVAL [Signature]
DATE 10/2/16



TERMS: Net 30 days from invoice date, 1.5% per month charged thereafter.

For professional services rendered for the period June 26, 2015 to September 24, 2015.

Services related to the repair of the Norwich Pool Dam and Recreation Area that was damaged by Tropical Storm Irene.

Professional Services

<u>Title</u>	<u>Rate</u>	<u>Hours</u>	<u>Amount</u>
Principal	\$120.00	2.00	\$240.00
Hydraulics Engineer/River Hydrologist	\$86.00	6.00	\$516.00
CADD/Drafter	\$65.00	77.50	\$5,037.50
Project Engineer I	\$88.00	92.00	\$8,096.00
Env. Scientist/Field Naturalist	\$94.00	10.25	\$963.50
		187.75	\$14,853.00
Total Professional Service Fees			\$14,853.00

Total Current Billing \$14,853.00

Please remit payment to: P. O. Box 339, Randolph, VT 05060

Statement of Account (includes current invoice)

<u>0 - 30</u>	<u>31 - 60</u>	<u>61 - 90</u>	<u>91 - 120</u>	<u>121 +</u>	<u>Total AR</u>
\$14,853.00					\$14,853.00

Town of Norwich Accounts Payable
Check Warrant Report # 70 Current Prior Next FY Invoices
All Manual\Direct Pays For Check Acct 01(General) 10/14/15 To 10/14/15

Vendor	Invoice	Invoice Description	Purchase Amount	Discount Amount	Amount Paid	Check Number	Check Date
AMPEISCH A.M. PEISCH & COMPANY, LLP	52202	AUDIT SERVICES	4000.00	0.00	4000.00	A 2149	10/19/15
BERGERON BERGERONS LAWN SVC & LANDSCAPT	16494	REC--HUNTLEY MOWING	350.00	0.00	350.00	A 2150	10/19/15
CASELLA CASELLA WASTE SERVICES	0201126	SW--AUG 15 RECYCLING	2249.04	0.00	2249.04	A 2151	10/19/15
CASELLA CASELLA WASTE SERVICES	0201127	SW--AUG 15 TRASH FEES	4176.64	0.00	4176.64	A 2151	10/19/15
COTT COTT SYSTEMS INC	105765	TC--OCT 15 HOSTING	225.00	0.00	225.00	A 2152	10/19/15
DUBOIS DUBOIS & KING, INC.	915160	DAM ENGINEERING	14853.00	0.00	14853.00	A 2153	10/19/15
EVANSMOTO EVANS GROUP, INC.	568982	HWY--39.7 GALS DIESEL	70.18	0.00	70.18	A 2154	10/19/15
EVANSMOTO EVANS GROUP, INC.	568983	HWY--400.0 GALS DIESEL	707.08	0.00	707.08	A 2154	10/19/15
EVANSMOTO EVANS GROUP, INC.	569173	1012.4 GALS REG UNLEADED	2108.14	0.00	2108.14	A 2154	10/19/15
FIRETECHS FIRETECH SPRINKLER CORP	38382	TH--COMPRESSOR REPAIR	1257.00	0.00	1257.00	A 2155	10/19/15
GEORGE MICHELE GEORGE	10/6/15	REC--YOGA INSTRUCTION	2362.50	0.00	2362.50	A 2156	10/19/15
HARTFORD TOWN OF HARTFORD	6850	PD--BROADBAND AUG 2015	157.14	0.00	157.14	A 2157	10/19/15
HAUN HAUN WELDING SUPPLY, INC.	3989247	HWY--ELECTRODES	12.87	0.00	12.87	A 2158	10/19/15
INNOVATIV INNOVATIVE MUNICIPAL PRODUCTS,	INV29706	DPW-4496 GALS DUSTCONTRO	3596.80	0.00	3596.80	A 2159	10/19/15
JOESEQUIP JOE'S EQUIPMENT SEV. INC.	53956	FD--SUPPLIES	21.95	0.00	21.95	A 2160	10/19/15
LEAGUESPO LEAGUE SPORTS SERVICES, LLC	174204	REC--SEP 15 REG FEES	311.85	0.00	311.85	A 2161	10/19/15
NORSOLAR NORWICH SOLAR PROJECT I, LLC	SEP 15	PD/TH/SW/FD--SEP 15	525.47	0.00	525.47	A 2162	10/19/15
PBA NEW ENGLAND PBA, INC	SEP 15	SEP 15 UNION DUES	572.00	0.00	572.00	A 2163	10/19/15
PIKE PIKE INDUSTRIES INC	829433	HWY--BILLING CORRECTION	-18.01	0.00	-18.01	A 2164	10/19/15
PIKE PIKE INDUSTRIES INC	830603	HWY--9.75 TN CRSHD STN	85.31	0.00	85.31	A 2164	10/19/15
PIKE PIKE INDUSTRIES INC	830807	HWY--28.04 TN CRSHD STN	224.32	0.00	224.32	A 2164	10/19/15
PIKE PIKE INDUSTRIES INC	831637	HWY--19.25 TN RAP	242.55	0.00	242.55	A 2164	10/19/15
PIKE PIKE INDUSTRIES INC	831648	HWY--9.83 TNS RAP	123.86	0.00	123.86	A 2164	10/19/15
PIKE PIKE INDUSTRIES INC	831914	HWY--10.58 TNS CRSHD STN	84.64	0.00	84.64	A 2164	10/19/15
PIONEERMA PIONEER MANUFACTURING CO	INV569003	REC--FIELD LINING PAINT	812.50	0.00	812.50	A 2165	10/19/15
PIONEERMA PIONEER MANUFACTURING CO	INV575220	REC--FIELD LINING PAINT	812.50	0.00	812.50	A 2165	10/19/15
RICHARDSO TAD RICHARDSON	1073	GADMIN--SERVER MAINT	281.25	0.00	281.25	A 2166	10/19/15
SHI SHI INTERNATIONAL CORP	803991602	PD--COMPUTER & MONITOR	624.20	0.00	624.20	A 2167	10/19/15
SOLAFLECT SOLAFLECT SOLAR PARK I, LLC	SEP 2015	TH/HWY--SOLAR SEPT 2015	848.13	0.00	848.13	A 2168	10/19/15
TENCO TENCO INDUSTRIES, INC	5081443	HWY--TRK#10 HOIST CYLIND	2629.26	0.00	2629.26	A 2169	10/19/15
TENCO TENCO INDUSTRIES, INC	5084128	HWY--TRACTOR PARTS	387.32	0.00	387.32	A 2169	10/19/15
TENCO TENCO INDUSTRIES, INC	5084129	HWY--TRACTOR HARDWARE	13.28	0.00	13.28	A 2169	10/19/15
TENCO TENCO INDUSTRIES, INC	5091913	HWY--TRACTOR KNIVES	178.85	0.00	178.85	A 2169	10/19/15
TOTALTREE TOTALLY TREES	9/15/15	HWY--TREE CUTTING	1440.00	0.00	1440.00	A 2170	10/19/15
UNIFIRST UNIFIRST CORPORATION	035 3933112	DPW-UNIFORMS & SUPPLIES	164.44	0.00	164.44	A 2171	10/19/15
UNIFIRST UNIFIRST CORPORATION	035 3933366	DPW-UNIFORMS & SUPPLIES	164.44	0.00	164.44	A 2171	10/19/15
WBMASON W.B. MASON CO., INC.	I28581270	FD--MULTIFOLD TOWELS	20.99	0.00	20.99	A 2172	10/19/15

46,677.49

LEDYARD

NATIONAL BANK

PO Box 799 Hanover, New Hampshire 03755 603.643.2244

PAGE 4

108 TOWN OF NORWICH
OPERATING ACCOUNT
ATT: TREASURER
PO BOX 376
NORWICH VT 05055

PRIMARY ACCT: 653030 STATEMENT PERIOD: 10/01/2015 - 10/31/2015

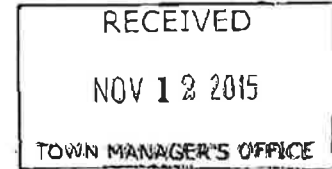
BUSINESS CHECKING 653030

DESCRIPTION	WITHDRAWALS	DEPOSITS	DATE	BALANCE
DEBIT MEMO # 9999	396.00 ✓		10/19	264,922.42
CHECK # 2529	194.11		10/19	264,728.31
CHECK # 2572	244.92		10/19	264,483.39
CHECK # 2526	320.42		10/19	264,162.97
CHECK # 2495	413.00		10/19	263,749.97
CHECK # 2573	872.23		10/19	262,877.74
CHECK # 2547	5,200.00		10/19	257,677.74
CHECK # 2559	13,626.80		10/19	244,050.94
CHECK # 2549	128,750.00		10/19	115,300.94
ACH DEBIT	13,624.45 ✓		10/19	101,676.49
ACH DEBIT	IRS [CCD] USATAXPYMT			
	<u>46,676.49</u>		10/19	55,000.00
OD/SWEEP TRF CREDIT	TOWN OF NORWICH [PPD] DIRECT DEP	35,440.38	10/20	90,440.38
	TRANS FROM 904581			
CHECK # 2554	45.86		10/20	90,394.52
CHECK # 2551	47.00		10/20	90,347.52
CHECK # 2567	66.72		10/20	90,280.80
CHECK # 2534	76.00		10/20	90,204.80
CHECK # 2540	87.72		10/20	90,117.08
CHECK # 2555	89.98		10/20	90,027.10
CHECK # 2519	117.37		10/20	89,909.73
CHECK # 2532	158.80		10/20	89,750.93
CHECK # 2524	169.40		10/20	89,581.53
CHECK # 2552	173.38		10/20	89,408.15
CHECK # 2565	288.01		10/20	89,120.14
CHECK # 2564	334.76		10/20	88,785.38
CHECK # 2535	967.48		10/20	87,817.90
CHECK # 2536	1,012.50		10/20	86,805.40
CHECK # 2430	1,158.57		10/20	85,646.83
CHECK # 2562	30,646.83		10/20	55,000.00
DEPOSIT		77.50 ✓	10/21	55,077.50

CONTINUED ON PAGE ... 5



921651
November 9, 2015



Mr. Neil R. Fulton
Town of Norwich
P.O. Box 376
Norwich, VT 05055

**SUBJECT: Norwich Pool Dam Reconstruction Project
Progress Report No. 9**

Dear Mr. Fulton:

Please find enclosed Invoice Number 1015351 for the period September 25, 2015 to October 29, 2015. This invoice accounts for work conducted as outlined below.

- Conducted wetlands delineation fieldwork around Norwich Pool Dam site.
- Prepared summary memo and map documenting wetlands delineation.
- Performed preliminary evaluation of wetlands at upper dam.
- Participated in project update teleconference on 10/27/15.

If you have any questions or require additional information, please do not hesitate to contact me at (802) 728-3376. Thank you for the opportunity to work with you on this important project.

Very truly yours,

DuBOIS & KING, INC.

For Jeffrey W. Tucker, P.E., LEED AP
President

ACCOUNT 01-5-425347
 AMOUNT \$1,356.30
 APPROVAL [Signature]
 DATE 11/12/15

Enclosure

I:\921651 Norwich Pool Dam\Admin\Progress Report\Norwich Pool Dam 11_6_15.doc

ENTERED



Attn: Neil Fulton, Town Manager
Re: Norwich Pool Dam Design

November 9, 2015
Invoice No: 1015351
Project No: 921651P3

Town of Norwich
P.O. Box 376
Norwich, VT 05055-0376

TERMS: Net 30 days from invoice date, 1.5% per month charged thereafter.

For professional services rendered for the period September 25, 2015 to October 29, 2015.

Services related to the repair of the Norwich Pool Dam and Recreation Area that was damaged by Tropical Storm Irene.

Professional Services

<u>Title</u>	<u>Rate</u>	<u>Hours</u>	<u>Amount</u>
Survey Technician	\$65.00	2.00	\$130.00
Project Engineer I	\$88.00	5.00	\$440.00
Env. Scientist/Field Naturalist	\$94.00	6.75	\$634.50
		13.75	\$1,204.50
Total Professional Service Fees			\$1,204.50

Reimbursable Expenses

<u>Description</u>	<u>Amount</u>
Travel	\$151.80
	\$151.80
Total Reimbursable Expenses	\$151.80

Total Current Billing \$1,356.30

Please remit payment to: P. O. Box 339, Randolph, VT 05060

Statement of Account (includes current invoice)

0 - 30	31 - 60	61 - 90	91 - 120	121 +	Total AR
\$1,356.30					\$1,356.30

11/30/15
09:21 am

Town of Norwich Accounts Payable
Check Warrant Report # 97 Current Prior Next FY Invoices
All Manual\Direct Pays For Check Acct 01(General) 11/24/15 To 11/24/15

Page 1
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Vendor	Invoice	Invoice Description	Purchase Amount	Discount Amount	Amount Paid	Check Number	Check Date
ADVANCE	ADVANCE AUTO PARTS	084524403534 HWY--IMPACT WRENCH	299.96	0.00	299.96	A 2221	11/30/15
ADVANCE	ADVANCE AUTO PARTS	084525065616 HWY--MUD FLAPS	25.08	0.00	25.08	A 2221	11/30/15
ADVANCE	ADVANCE AUTO PARTS	084526065702 HWY--COVER	7.99	0.00	7.99	A 2221	11/30/15
ADVANCE	ADVANCE AUTO PARTS	084527304790 HWY--TRK #6 LIFT SUPPORT	17.93	0.00	17.93	A 2221	11/30/15
ADVANCE	ADVANCE AUTO PARTS	084527304794 HWY--TRK #6 LIFT SUPPORT	17.93	0.00	17.93	A 2221	11/30/15
ADVANCE	ADVANCE AUTO PARTS	084527366131 PD--WASHER PUMP	20.89	0.00	20.89	A 2221	11/30/15
ADVANCE	ADVANCE AUTO PARTS	084529405863 PD--OIL, FUEL FILTERS	25.87	0.00	25.87	A 2221	11/30/15
ADVANCE	ADVANCE AUTO PARTS	084529405864 PD--OIL	45.48	0.00	45.48	A 2221	11/30/15
BAYSTATE	BAY STATE ELEVATOR CO.	402679 TH--ELEV MAINT NOV 15	228.65	0.00	228.65	A 2222	11/30/15
BERGERON	BERGERONS LAWN SVC & LANDSCAPE	16631 HWY--LEAF CLEAN-UP	8520.00	0.00	8520.00	A 2223	11/30/15
BLODGETT	BLODGETT SUPPLY CO	1373164 PD--OIL TANK PIPES	37.52	0.00	37.52	A 2224	11/30/15
COHEN	COHEN STEEL SUPPLY, INC.	1062850 HWY--REPAIR STEEL	92.45	0.00	92.45	A 2225	11/30/15
CRYSTAL	CRYSTAL ROCK, LLC	10/31/15 HWY/SW--EQUIP RENTAL	24.00	0.00	24.00	A 2226	11/30/15
DUBOIS	DUBOIS & KING, INC.	921651 OAM ENGINEERING	1356.30	0.00	1356.30	A 2227	11/30/15
EVANSMOTO	EVANS GROUP, INC.	572302 HWY--501.0 GALS DIESEL	921.55	0.00	921.55	A 2228	11/30/15
FASTENAL	FASTENAL	NHWES59986 HWY--STOCK HARDWARE	131.62	0.00	131.62	A 2229	11/30/15
FASTENAL	FASTENAL	NHWES60087 HWY--HARDWARE	137.85	0.00	137.85	A 2229	11/30/15
FASTENAL	FASTENAL	NHWES60230 HWY--FLOW GUIDE STOCK	886.88	0.00	886.88	A 2229	11/30/15
FERGUSON	FERGUSON WATERWORKS	0392272 HWY--STOCK CULVERTS	271.20	0.00	271.20	A 2230	11/30/15
FERGUSON	FERGUSON WATERWORKS	0392941 HWY--CULVERTS	744.00	0.00	744.00	A 2230	11/30/15
FIRESTORE	THE FIRE STORE	E1380400#2 STATEMENT CREDIT	-5.00	0.00	-5.00	A 2231	11/30/15
FIRESTORE	THE FIRE STORE	E1391609 PD--GLOVES, CLIPS	68.96	0.00	68.96	A 2231	11/30/15
GRAYLIN	LINDA GRAY	11/18/15 BOARD OF CIVIL AUTHORITY	48.13	0.00	48.13	A 2232	11/30/15
HARTFORD	TOWN OF HARTFORD	6936 PD--BROADBAND SEP 2015	156.92	0.00	156.92	A 2233	11/30/15
HAUN	HAUN WELDING SUPPLY, INC.	N632489 HWY--CYLINDER RENTAL	7.79	0.00	7.79	A 2234	11/30/15
IRVINGOIL	IRVING ENERGY DISTRIB. & MARKE	48763 SW--32.0 GALS PROPANE	41.41	0.00	41.41	A 2235	11/30/15
IRVINGOIL	IRVING ENERGY DISTRIB. & MARKE	48950 SW--27.5 GALS PROPANE	35.59	0.00	35.59	A 2235	11/30/15
JPCHEMICAL	JP PEST SERVICES, INC	1537095 PD--PEST CONTROL	144.00	0.00	144.00	A 2236	11/30/15
LINCOLN	LINCOLN FINANCIAL GROUP	DEC 15 DEC 15 LIFE & DISABILITY	1278.66	0.00	1278.66	A 2237	11/30/15
MMAR	MMAR, INC.	A59821 REC--DOGGIE BAGS	114.95	0.00	114.95	A 2238	11/30/15
MMAR	MMAR, INC.	A59857 REC--DOGGIE BAGS	504.80	0.00	504.80	A 2238	11/30/15
NFFPA	NAT'L FIRE PROTECTION ASSN	6570034X PD--ANN MEMBERSHIP	175.00	0.00	175.00	A 2239	11/30/15
NORSOLAR	NORWICH SOLAR PROJECT I, LLC	NOV 15 PD/TR/SW/PD--SOLAR NOV 1	525.47	0.00	525.47	A 2240	11/30/15
PIKE	PIKE INDUSTRIES INC	839971 HWY--8.52 TN CRSHD STN	74.55	0.00	74.55	A 2241	11/30/15
PIKE	PIKE INDUSTRIES INC	840839 HWY--7.08 TN LOAM	146.20	0.00	146.20	A 2241	11/30/15
PIKE	PIKE INDUSTRIES INC	841901 HWY--8.57 TN CRSHD STN	68.56	0.00	68.56	A 2241	11/30/15
PIKE	PIKE INDUSTRIES INC	841910 HWY--27.21 TN CRSHD STN	224.81	0.00	224.81	A 2241	11/30/15
PIKE	PIKE INDUSTRIES INC	842038 HWY--9.20 TN CRSHD STN	80.50	0.00	80.50	A 2241	11/30/15
PIKE	PIKE INDUSTRIES INC	842045 HWY--9.08 TN CRSHD STN	72.64	0.00	72.64	A 2241	11/30/15
REYNOLDS	REYNOLDS & SON INC	3262005 SW--RAINWEAR	124.36	0.00	124.36	A 2242	11/30/15
ROGERSFAB	ROGER'S FABRICARE, LLC	OCT 15 PD--UNIFORM CLEANING	102.00	0.00	102.00	A 2243	11/30/15
SOLAFLECT	SOLAFLECT SOLAR PARK I, LLC	NOV 15 TH/HWY--SOLAR NOV 2015	848.13	0.00	848.13	A 2244	11/30/15
TDS LEASE	TDS LEASING INC	01053309 PD--Q'LY COOLER RENTAL	90.00	0.00	90.00	A 2245	11/30/15
TOTALTREE	TOTALLY TREES	11/2/15 HWY--TREE REMOVAL	720.00	0.00	720.00	A 2246	11/30/15
TOTALTREE	TOTALLY TREES	11/9/15 DPW--TREE REMOVAL	720.00	0.00	720.00	A 2246	11/30/15
UNIFIRST	UNIFIRST CORPORATION	035 3946864 DPW-UNIFORMS & SUPPLIES	173.44	0.00	173.44	A 2247	11/30/15
UNIFIRST	UNIFIRST CORPORATION	035 3949190 DPW-UNIFORMS & SUPPLIES	164.44	0.00	164.44	A 2247	11/30/15
UNIFIRST	UNIFIRST CORPORATION	035 3951578 DPW-UNIFORMS & SUPPLIES	164.44	0.00	164.44	A 2247	11/30/15

20683 PD



LEDYARD
NATIONAL BANK

PO Box 799 Hanover, New Hampshire 03755 603 643.2244

PAGE 8

131 TOWN OF NORWICH
OPERATING ACCOUNT
ATT: TREASURER
PO BOX 376
NORWICH VT 05055

PRIMARY ACCT: 653030 STATEMENT PERIOD: 11/01/2015 - 11/30/2015

BUSINESS CHECKING 653030

DESCRIPTION	WITHDRAWALS	DEPOSITS	DATE	BALANCE
CHECK # 2696	200.00		11/30	112,556.56
CHECK # 2710	235.94		11/30	112,320.62
CHECK # 2729	470.59		11/30	111,850.03
CHECK # 2741	556.65		11/30	111,293.38
CHECK # 2733	786.40		11/30	110,506.98
CHECK # 2743	876.55		11/30	109,630.43
CHECK # 2693	20,504.08		11/30	89,126.35
ACH DEBIT	13,442.45		11/30	75,683.90
ACH DEBIT	20,683.90		11/30	55,000.00
IRS [CCD] USATAXPYMT				
TOWN OF NORWICH [PPD] DIRECT DEP				
AVERAGE BALANCE				55,000.00

-- CHECKS REPRINTED IN CHECK NUMBER ORDER --

NUMBER	AMOUNT	DATE	NUMBER	AMOUNT	DATE	NUMBER	AMOUNT	DATE
2258	38.77	11/27	2585	1,240.56	11/05	2601	68.37	11/02
2545*	53.34	11/03	2586	40.00	11/17	2602	235.75	11/03
2548*	1,495.00	11/05	2587	178.96	11/03	2603	4,245.75	11/23
2558*	1,977.50	11/03	2589*	39.74	11/03	2604	1,977.50	11/03
2574*	419.40	11/03	2590	221.94	11/17	2605	113.67	11/03
2575	19,631.68	11/03	2591	60.00	11/06	2606	8.00	11/09
2576	248,605.15	11/03	2592	826.62	11/03	2607	840.00	11/04
2577	504.98	11/03	2593	281.25	11/03	2608	52.95	11/09
2578	89.24	11/02	2594	30.00	11/05	2609	560.00	11/03
2579	240.00	11/03	2595	185.00	11/06	2610	18,215.52	11/04
2580	244.92	11/03	2596	45.00	11/18	2613*	325.13	11/13
2581	49.85	11/03	2597	274.00	11/23	2614	96.00	11/02
2582	1,227.11	11/03	2598	9.00	11/04	2620*	872.23	11/10
2583	6.12	11/04	2599	315.00	11/16	2621	234.74	11/17
2584	90.00	11/06	2600	36.18	11/03	2622	32.85	11/19

CONTINUED ON PAGE ... 9



**Request for Alternate Project
Town of Norwich**

DRAFT 1-6-16

FEMA Declaration PA01VT4022	PW 02334(0)	Date January XX, 2016
FIPS 027-52900-00	Category G Recreational or Other	
Applicant Town of Norwich	County Windsor	Damaged Facility Recreation Pool Dam

The Town of Norwich (Town) has determined that the public interest would not be best served by restoring this damaged facility because of the reasons cited below. The requested alternate project is described below.

The estimated cost of this project is; \$13,670

Tropical Storm Irene on August 28, 2011 caused extensive damage to the Norwich Pool Dam and Recreation Area including breaching the dam. PW 2334 estimated the cost of repairing the recreation area and replacing the dam at \$567,284.28. In order for the dam to be replaced a permit was required from the Vermont Agency of Natural Resources (ANR). On October 20, 2015 the Town was notified that the request for a permit had been denied.

Alternate Project: Restoration of the Norwich Pool Dam Area

This proposed Alternate Project is one of four approved by the Norwich Selectboard. We are requesting the approval of an Alternate Project for restoration of the Norwich Pool Dam Area.

1. PURPOSE

- 1.1 The Town of Norwich is proposing to cleanup and restore the Norwich Pool Dam Area on the Charles Brown Brook.
- 1.2 Location: N 43° 43.533; W 072° 19,289; West to 002

2. SCOPE OF WORK

- 2.1 Remove rubble (pieces of concrete) and debris that is in the brook.
- 2.2 Demolish existing concrete pool dam.
- 2.3 Remove hand-laid stone dam that is diverting the stream to the left side.
- 2.4 Stabilize and armor the right bank, descending to a height of 4' with stone from the hand-laid stone dam.
- 2.5 Finish stabilizing the bank with the material from the far side and slope the bank. This will utilize the old-growth maple and root system it provides for future bank stabilization, eliminating the disturbance of any archeological artifacts. Seed and mulch.
- 2.6 Take remaining fill from the far side of the brook to create a level recreation area leading to the Ballard Trail.
- 2.7 Place a few large rocks in various places within the stream to create natural swirl-pools for fish and other aquatic life.
- 2.8 Seed and mulch all disturbed areas.
- 2.9 Demolish the existing bath house and lifeguard building.
- 2.10 Reestablish the gravel path from the parking lot to the woods.

2.11 Remove non-compliant swing set and sand box play area.

3. QUANTITIES

3.1

Item #	Description	Quantity	Unit
201.11	Clearing and grubbing	1.0	Acre
203.15	Common excavation	500	Cy
402.1	Aggregate pathway	12	Cy
529.15	Removal of existing structures	2	Unit
615.16	Natural stone fill	50	Cy
635.11	Mobilization	1	Unit
649.31	Geotextile under stone fill	100	Sy
649.51	Geotextile for silt fence	100	Sy
651.15	Seed	100	Lb.
651.18	Fertilizer	200	Lb.
651.35	Topsoil	50	Cy
651.35	Hay mulch	250	Sy

3.2 Notes

- 3.2.1 The quantities above were developed as a base for cost of the project and may not include all items necessary to complete the work.
- 3.2.2 These quantities are provided for information only.
- 3.2.3 This project is to be bid and paid for as a lump sum project

4. OTHER CONDITIONS

- 4.1 A stream alteration permit has been obtained from the VT Agency of Natural Resources for this project: Project Number: SA-05-043-2015 Norwich Pool Dam Removal.
- 4.2 The Project Delivery Bureau, Environmental Section of the VT Agency of Transportation has confirmed that no clearances or permits are needed from the State of Vermont for the project.
- 4.3 Alternate Project for FEMA #PA-01-VT-4022-PW-02334

EHP compliance:

The proposed project is EHP compliant. The project does not involve any construction work or disturbance of outside of the site other than what has been approved in the Vermont Stream Alteration Permit issued on December 23, 2015 (See SA-05-044-2015 attached). No additional permits are required.

The Town confirms by signature below that: 1) approval is based on the information provided with this request; 2) any changed conditions are to be immediately brought to the attention of the Public Assistance Officer; and, 3) approved alternate projects remain subject to all previous requirements for accountability, completion, and closure.

Request for Alternate Project
Page 3 of 3

Neil R. Fulton, Authorize Representative
Town Manager

Pool Dam Cleanup

Bidder	Proposal
Webster & Donovan	13,670
Thomson Excavation	44,960
L&M	56,000
Hook Construction	77,250

Webster & Donovan Excavating Inc

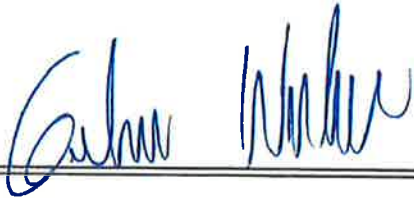
37 Goodrich Four Corners Road
Norwich, VT 05055
802-649-8522

Estimate

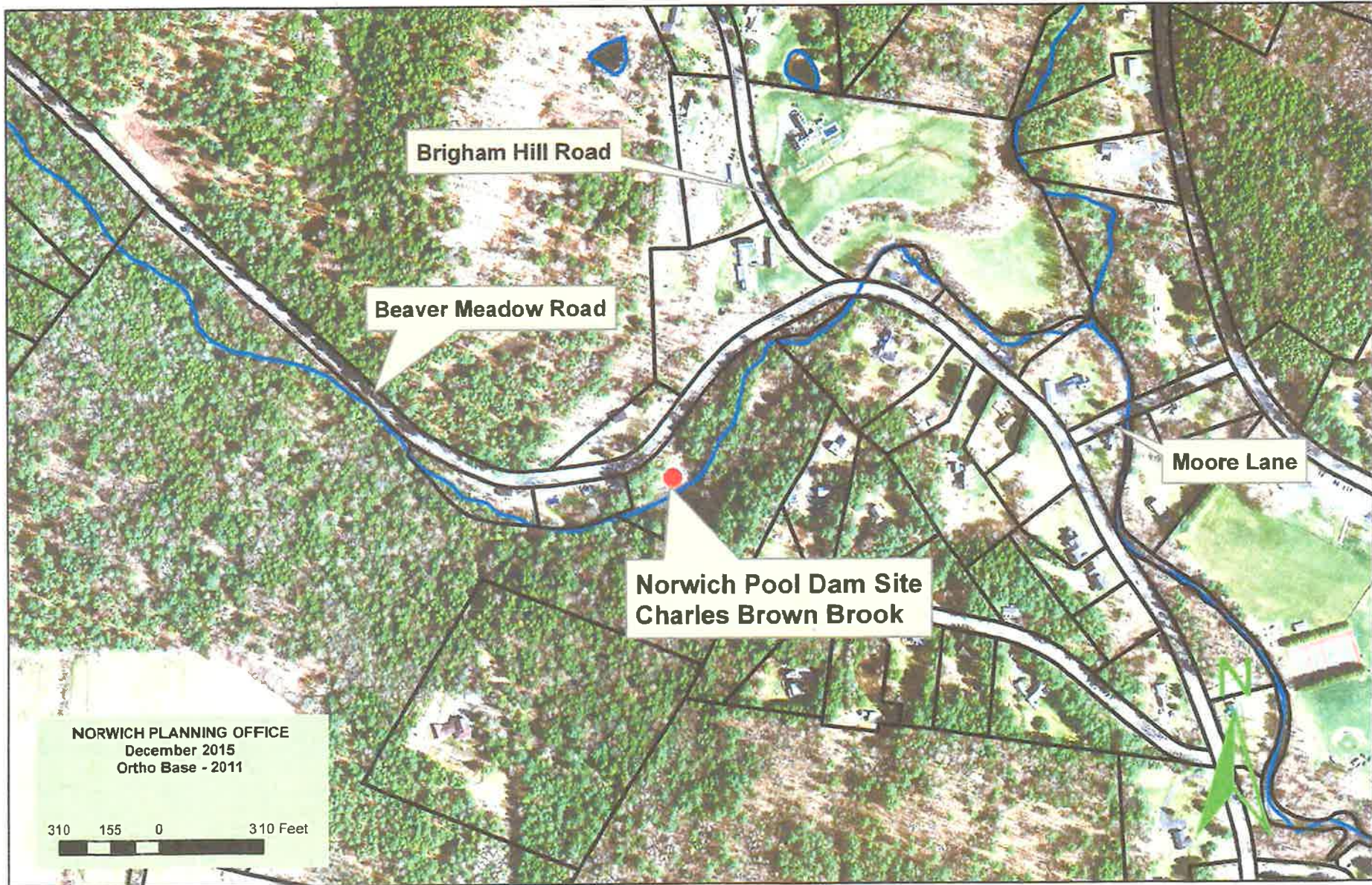
Date	Estimate #
12/16/15	489

Name / Address
Town of Norwich PO Box 376 Norwich, VT 05055

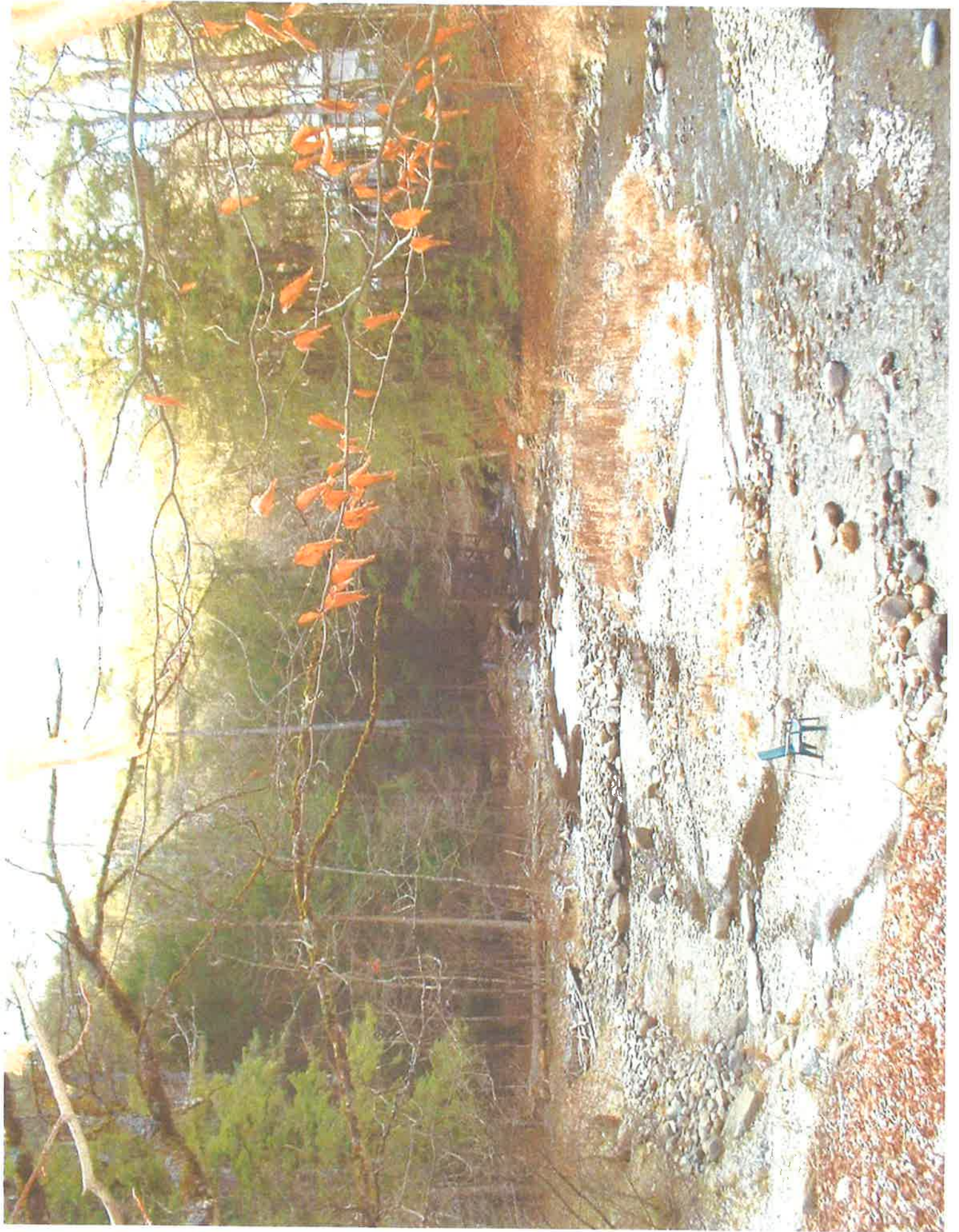
Description	Qty	Cost	Total
RESTORATION OF NORWICH POOL DAM AREA			
Remove remaining sections of dam and dam debris and truck away. Move fill and river stone as necessary to stabilize bank and create rec area as planned. Remove existing structures and play set. Seed and mulch all disturbed areas.		12,800.00	12,800.00
grass seed, mulch hay, silt fence and geotextile fabric		870.00	870.00



Total	\$13,670.00
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Date Printed: 12/22/2015

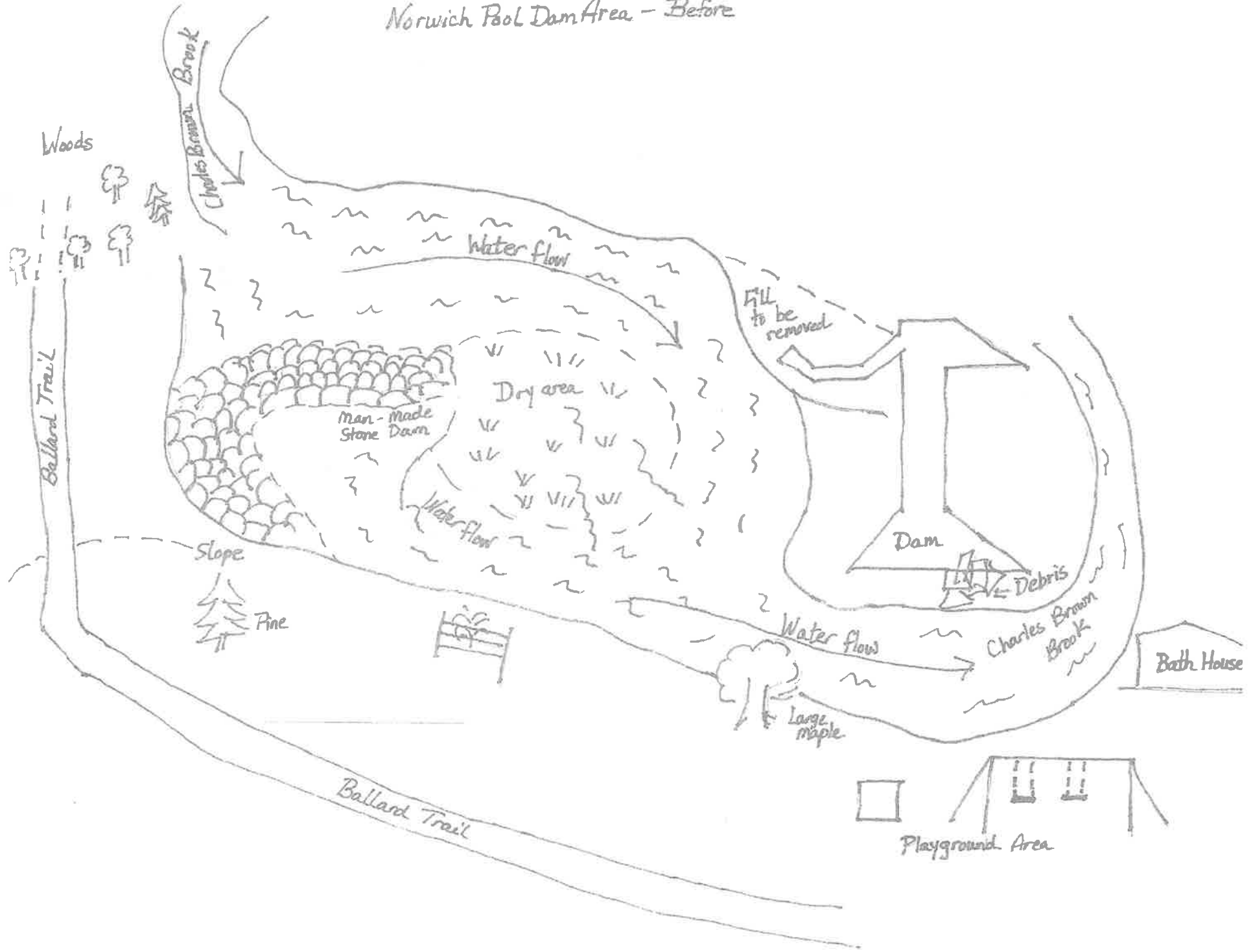




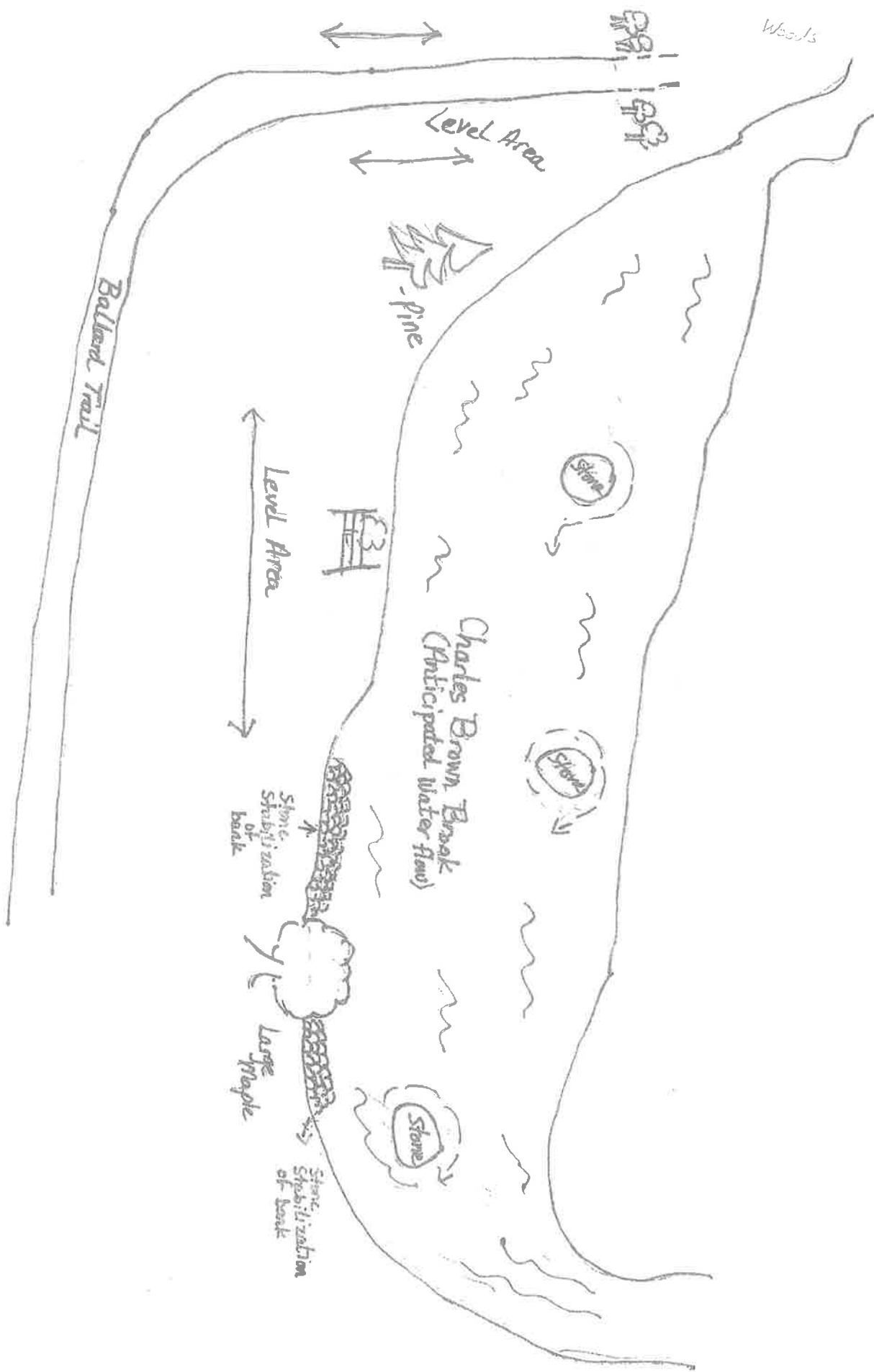




Norwich Pool Dam Area - Before



Norwich Pool Dam Area - After





Vermont Department of Environmental Conservation

Watershed Management Division
Springfield Regional Office
100 Mineral Street, Suite 303
Springfield, VT 05156
www.watershedmanagement.vt.gov

Agency of Natural Resources

[phone] 802-885-8855
[fax] 802-885-8890
[cell] 802-345-3510

AUTHORIZATION TO CONDUCT STREAM ALTERATION ACTIVITIES

Pursuant to Section C.2.2.6 of the VT Stream Alteration General Permit (activities to restore floodplain connectivity)

Project Number: **SA-05-043-2015 Norwich Pool Dam Removal** FEMA # PA-01-VT-4022-PW-02334
Applicant Name: Selectboard, Town of Norwich, Vermont Contact: Neil Fulton or Andy Hodgdon
Mailing Address: Town of Norwich, PO Box 376, Norwich, Vermont 05055 Phone: (802) 649-1419 or (802) 649-2209
Project Location: Dam Removal/Stream Remediation Charles Brown Brook Email: manager@norwich.vt.us or ahodgdon@norwich.vt.us

The Secretary of the Vermont Agency of Natural Resources (VT ANR) has determined that:

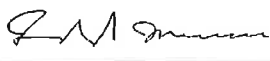
1. This project authorizes the removal of a dam damaged by T.S. Irene and the stream remediation of Charles Brown Brook to remove an imminent public safety hazard and improve flood storage upstream of the village of Norwich.
2. The proposed activity is eligible for coverage under the VT ANR Stream Alteration General Permit.
3. The proposed activity will meet the terms and conditions of the General Permit provided:
 - a) The project will be completed and approved as shown on the attached plans undated, prepared by the town of Norwich as reviewed and approved by the VT ANR herein.
 - b) The project will not adversely affect the public safety by increasing flood hazards.
 - c) The project will not significantly damage fish life or wildlife.
 - d) The project will not significantly damage the rights of riparian owners.
 - e) The project will not obstruct the movement of aquatic life indigenous to the waterbody beyond the actual duration of construction.
 - f) The project is conducted in a manner which minimizes or avoids any discharge of sediment or other pollutants to surface waters in violation of the VT Water Quality Standards.
 - g) The ANR River Management Engineer is notified by phone or email when construction begins and when the project is complete.
 - h) In-stream working dates for all GP activities are from June 1st through October 1st; any in-stream work outside these dates will require an Individual Stream Alteration Permit authorization by the River Management Engineer.
 - i) This authorization has been posted for three days public comment. This authorization constitutes final approval.

If there are any changes in the project plan or deviation in construction from the plan, the Permittee must notify the River Management Engineer immediately.

If the project is constructed as you have described, as shown on the above referenced approved plans and according to the above conditions, there is no reason to expect any violation of Vermont Water Quality Standards.

Signed this 23rd day of December, 2015
Alyssa B. Schuren, Commissioner
Department of Environmental Conservation

This permit expires October 1, 2016.

by 

Todd Menees, P.E., P.H., River Management Engineer



Norwich Pool Dam Area Restoration Project

Phase I: Secure the area

- Meet with Wade Masure, Senior Loss Control Consultant for the Vermont League of Cities and Towns, to determine what needs to be done to make the area safe and secure.

Phase II: Debris Removal

- Remove rubble (pieces of concrete) and debris that is in the brook.

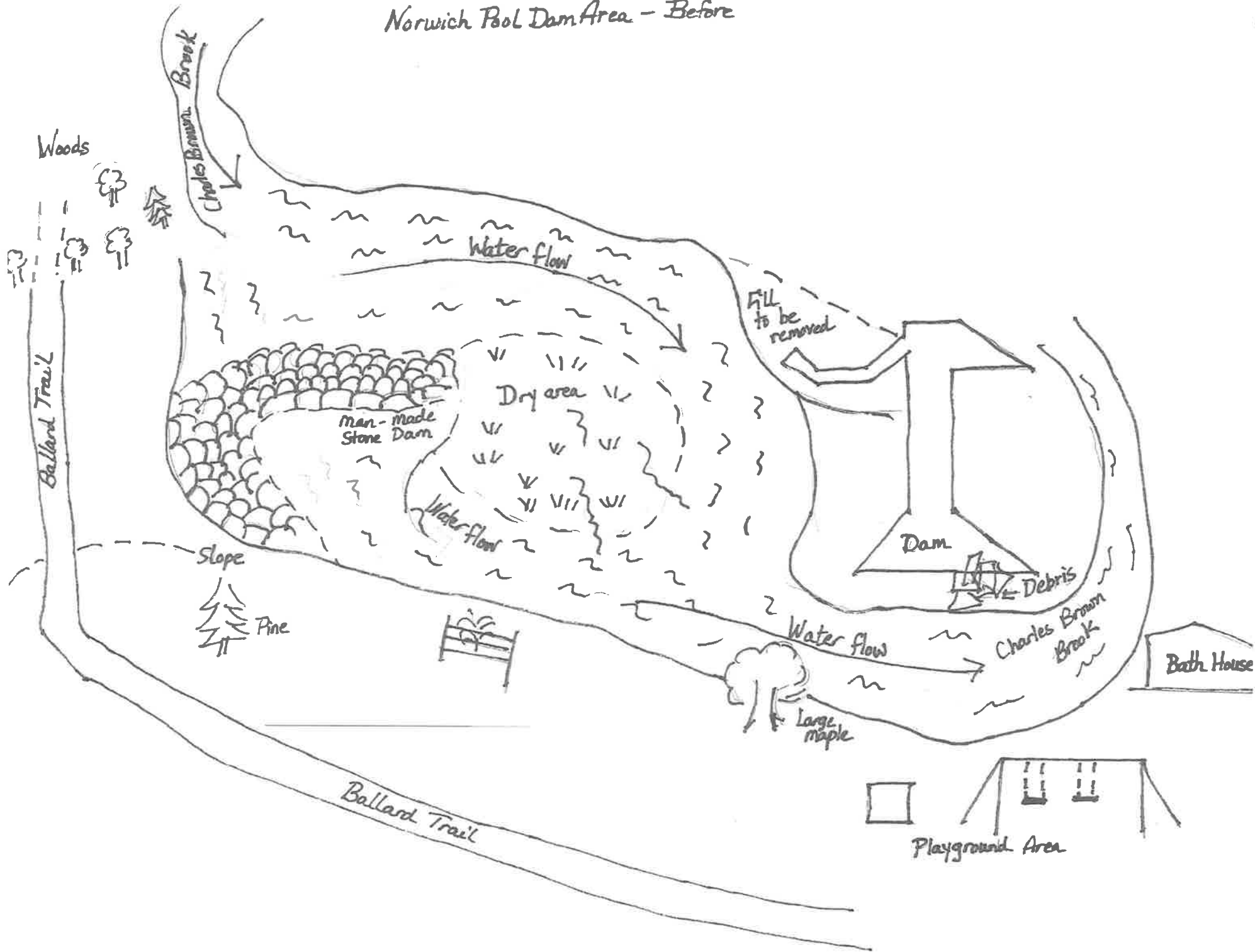
Phase III: Complete the restoration of the area

- Demolish the existing concrete pool dam.
- Remove hand-laid stone dam that is diverting the stream to the left side.
- Stabilize and armor the right bank, descending to a height of 4' with stone from the hand-laid stone dam.
- Finish stabilizing the bank with the material from the far side and slope the bank. This will utilize the old-growth maple and root system it provides for future bank stabilization, eliminating the disturbance of any archeological artifacts. Seed and mulch.
- Take remaining fill from the far side of the brook to create a level recreation area leading to the Ballard Trail.
- Place some of the larger stones from the hand-laid dam to make a set of natural stone steps from the Ballard Trail to the brook where people may want to access the brook for recreational purposes.
- Place a few large rocks in various places within the stream to create natural swirl-pools for fish and other aquatic life.
- Seed and mulch all disturbed areas.

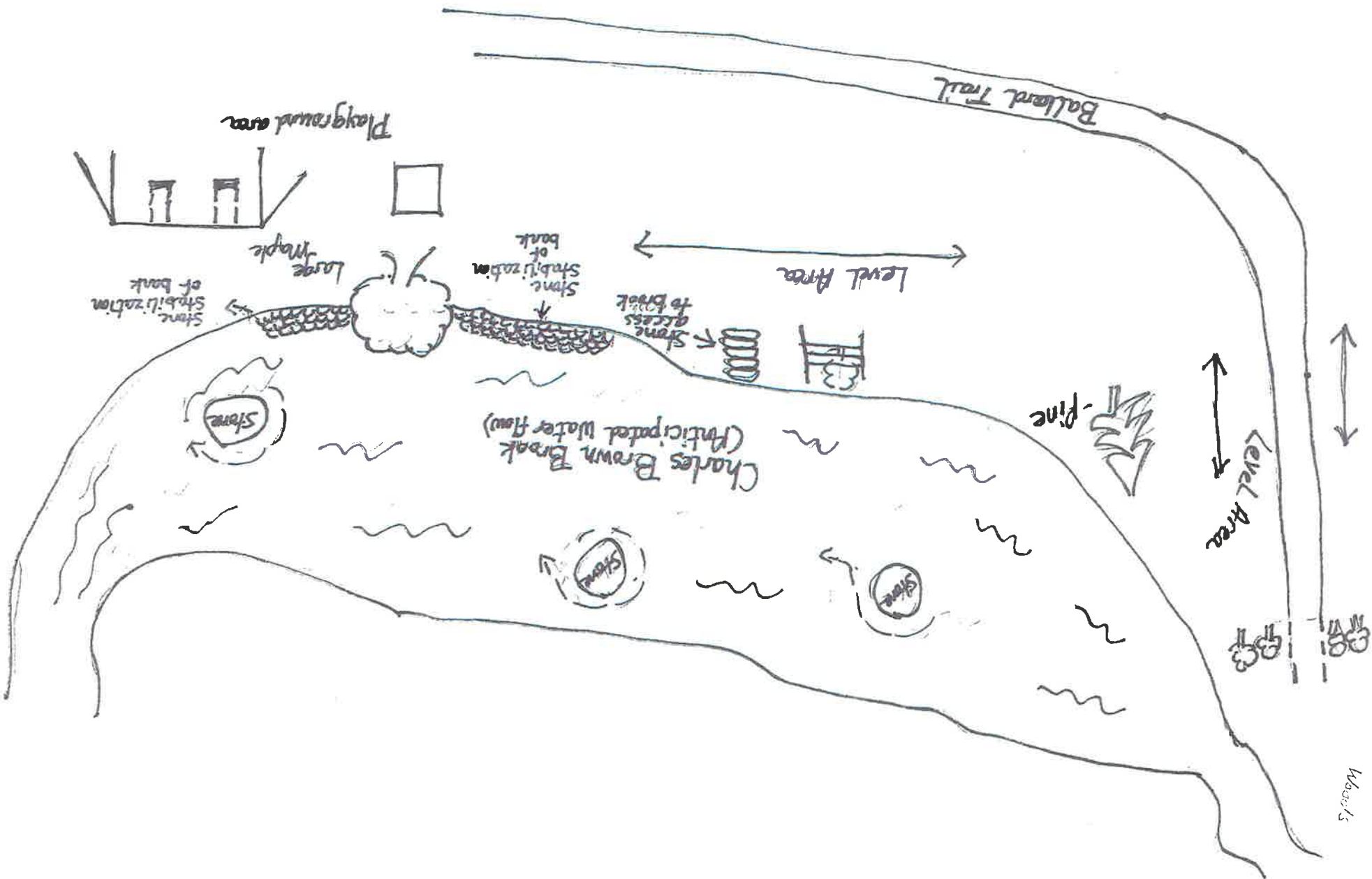
Other considerations:

- Demolish the existing bath house which has partially caved in.
- Reestablish the gravel path from the parking lot to the woods.

Norwich Pool Dam Area - Before



Norwich Pool Dam Area - After



Ballard Trail

Playground area

Level Area

Level Area

Charles Brown Brook
(Anticipated Water Flow)

Pine

Stone

Stone

Stone

About 15

Stone stabilization
of bank

Stone stabilization
of bank

Large Maple

Stone access
to brook

**Request for Alternate Project
Town of Norwich**

DRAFT 1-6-16

FEMA Declaration PA01VT4022	PW 02334(0)	Date January XX, 2016
FIPS 027-52900-00	Category G Recreational or Other	
Applicant Town of Norwich	County Windsor	Damaged Facility Recreation Pool Dam

The Town of Norwich (Town) has determined that the public interest would not be best served by restoring this damaged facility because of the reasons cited below. The requested alternate project is described below.

The cost estimated cost of this Alternative Project is: \$412,968.

Tropical Storm Irene on August 28, 2011 caused extensive damage to the Norwich Pool Dam and Recreation Area including breaching the dam. PW 2334 estimated the cost of repairing the recreation area and replacing the dam at \$567,284.28. In order for the dam to be replaced a permit was required from the Vermont Agency of Natural Resources (ANR). On October 20, 2015 the Town was notified that the request for a permit had been denied.

Alternate Project: Public Works Building Addition

This proposed Alternate Project is one of four approved by the Norwich Selectboard. We are requesting the approval of this Alternate Project for constructing an addition to the Public Works Building.

1. PROJECT

1.1 The Town of Norwich (Town) is proposing to construct an addition to the existing Public Works facility.

1.2 The building is located at 26 New Boston Road in Norwich, Vermont.
N 43° 44' 01.60" W 72° 19' 51.3

1.3 A survey of the site is attached.

2. DESIGN/BUILD SERVICES

2.1 The proposed project includes the construction of a 40' x 100' pre-engineered steel building addition to the existing building as detailed in the attached outline specification.

3. ADDITION TO THE EXISTING BUILDING

3.1 Meet the applicable building and energy codes.

3.2 Include all permit fees

3.3 Add a 40' x 100' addition to the back of the existing building. The new roof at the point it attaches to the existing building shall be located at least 2' below the existing roof.

3.4 Install a membrane roof with insulation over the roof of the existing building

3.5 An engineering report and clarifications (copies attached) of the existing building stated that:

The lateral load resisting elements (braces, moment frames, etc) of the existing building were not visible in the sidewalls and the back wall during the site visit. The only wall where evidence of a lateral load resisting system was noted was the in the front wall, where a moment frame was located in one of the overhead door bays. Code requirements for existing buildings specify that if the loads to the lateral resisting systems of existing buildings increase by more than 10%, the entire lateral system must be upgraded to current code requirements. For this building, we have determined that a net dead load increase of 1.5 PSF is allowable without a full analysis/upgrade of the lateral load resisting systems.

3.5.1 At some time in the past an X brace(s) that was the lateral resisting system was removed from the rear wall of the existing building. Provide a lateral resisting system in the existing rear wall similar to the moment frame at the front of the building, or equivalent, to provide unobstructed access to the addition.

3.6 Add a new insulated overhead door that matches the existing doors in the right bay when facing the front of the building.

3.7 Interior Offices

3.7.1 Construct interior office, break room and restroom at left rear corner of addition.

3.7.2 The office/break room, restroom area shall have typical interior finishes including commercial grade vinyl floor tiles and base. The interior room walls shall be framed with wooden or metal studs with 5/8" fire code drywall, taped and painted.

3.7.3 The maximum width of the interior offices shall be the truss spacing, estimated at 16'. The maximum depth of the interior offices shall be the depth of the addition. The stairs shall be included within these dimensions.

3.7.4 The desired sizes of the rooms are as follows.

- 200 sq. ft. office with interior and exterior door.
- 250 sq. ft. break/locker room
- 100 sq. ft. restroom with toilet, urinal and slop sink.

3.7.5 Include a mezzanine over the office area with a stair and live floor load of 150 lb. per sq. ft. plus the load of the solar hot water tank described in another portion of the specification.

3.8 The demolition of the existing restroom, storage and mezzanine will be done by the OWNER.

3.9 Electrical

3.9.1 Connect to the existing panel.

3.9.2 Provide outlets as required by the NEC

3.9.3 Extend the current fire alarm system to the addition.

3.9.4 Lighting

3.9.4.1 High efficiency T5 fixtures or LEDs.

Request for Alternate Project

Page 3 of 4

3.10 Heating

3.10.1 Addition to be heated by ventilated propane radiant tube heaters similar to those in the existing building.

3.10.2 Office, restroom and break room heated by propane forced hot air heat. A setback thermostat shall be located in the office.

3.11 Plumbing

3.11.1 Construct new well to be located next to the underground tank with the dry hydrant. See the attached permit and proposal. Owner to excavate ditch for piping, backfill and patch paving. (See attached.)

3.11.2 Move the existing solar hot water tank, system and solar panels from the existing building to the new addition mezzanine over the new office and break room.

3.11.3 Septic - Connect to the existing mound system manhole. Owner to excavate ditch for piping, backfill and patch paving.

3.12 Ventilation

3.12.1 Move existing exhaust fan in existing rear wall to new rear wall.

3.13 Building Finishes

3.13.1 The garage area shall be exposed structural members.

3.13.2 The owner will be responsible for sealing the new concrete floor.

3.14 Windows

3.14.1 All windows shall be dual pane.

3.14.2 The bottom of the windows in new back wall shall be a minimum of 7' from floor to allow use of the wall space.

3.14.3 Windows in office and beak room to be typical heights.

EHP Compliance

The proposed project is EHP compliant. There will be no construction work or disturbance of land outside of the existing developed area. The site is outside of the Special Flood Hazard Area, the Vermont River Corridor Zone, and any wetland or wetland buffer area. See attached VT ANR map.

The existing steel building to be added on to is 44 years old, is not an historic building, or in an historic district. There are no adjacent historic properties.

The Town confirms by signature below that: 1) approval is based on the information provided with this request; 2) any changed conditions are to be immediately brought to the attention of the Public Assistance Officer; and, 3) approved alternate projects remain subject to all previous requirements for accountability, completion, and closure.

Neil R. Fulton, Authorize Representative
Town Manager

Bidder	PW Addition Proposal
Wright	412,968
Spates	457,868
T-N	526,035



31 Station Road
Mt. Holly, Vermont 05758
802.259.2094 phone
802.259.2689 fax
www.wrightconstruction.com

**RFP Response: Design/Build Construction Services
Public Works Facility
Town of Norwich, VT
WCC Job #: 2015-131
January 6, 2016**

The following is a description, by construction division, for design completion and construction of a new 4,000 S.F building addition. Our proposal is based on the RFP by Town of Norwich, Vermont, dated December 21, 2015 along with the description below.

Design completion/ DFS Permitting/General Conditions: WCC will provide Professional Liability Insurance and design services to complete the design for the town garage addition, to include structural design for the building foundation, mechanical and electrical stamped drawings (civil engineering by the Town of Norwich under separate contract). We expect to attend up to three meetings to complete the design. When design is complete we will prepare and submit permit application with fee to the Division of Fire & Safety.

Once the project is ready to move forward to construction we will provide all services related to the general conditions to include on and off site management, storage trailers, jobsite office and communication means, prepare and process submittals, conduct progress meetings, et al. We are prepared to offer Performance & Payment bonds upon Owner's request, cost for these are not currently carried in this proposal but could be added upon request.

\$43,775.00

Sitework/Site Utilities: We will layout site for new building addition as well as implement erosion control. Excavating/backfill for new 40'x100' SF building addition. Slab preparation will consist of 6" stone base and 6 mil poly. Excavation/backfill for sewer line for new bathroom in the foot print of the building. Excavation/backfill and pavement patching for sewer line from building to septic tank will be by the town. Wright Construction Company will provide 4" PVC pipe, labor & miscellaneous fittings. Rough/final grade, seed and mulch disturbed areas. We have included a \$3,500 allowance for the retaining wall and a \$25,000 allowance for new water well (by WRAGG Brothers of VT). Excavation/backfill any water line work by the Town of Norwich. All pavement patching to be by Owner.

\$70,825.00

Concrete: Will consist of stamped Engineered drawings for 40'x100' frost wall addition with pads and piers for metal building. 12" tall x 20" wide continuous footings with 5'x5' pads at column location, 8" thick x 5'0" tall walls and reinforced 6" concrete slab. Frost walls will receive 2" rigid insulation on outside of wall with metal flashing protection..

\$49,170.00

Demolition: Remove and dispose of framing/siding in 16' bays to allow trucks to pass through. Remove siding as required for new addition. Saw-cut and remove 1' tall concrete curb located at the 5 bays (approximately 80LF concrete curb will be cut down 6" lower to accept new slab addition). New slab will be pinned to existing slab.

\$ 7,632.00

Framing: Construct 2x6 wall partitions 8' tall for new bathroom, office & breakroom. Ceiling will be framed with TSI 230's joist 16" O.C. with 3/4" plywood floor and temporary handrail for future mezzanine. Existing mezzanine to be removed and disposed of by Town of Norwich. Wright Construction Company will construct new 12'x40' mezzanine including 2x6 partitions, TJI 230's joist 16" O.C. with 3/4" plywood floor and 1/2" plywood on walls. New 2x12 stair tread, stringers and wood handrail.

\$17,939.00

Construction Professionals Serving New England States
SINCE 1984



Insulation: To be metal building insulation per energy code standards.

\$13,415.00

Membrane Roofing: Install new rigid insulation over the existing metal roof into the roof ribs, approximately R-5.7, to the height of the highest rib. Over the infill insulation mechanically fasten a new 1 1/2" R-8.55 Firestone isocyanurate insulation. The total R-value of 14.25. The edges will be built up with wood blocking to the height of the new insulation. The edges will then receive new custom factory baked on Kynar finished metal edge flashings. Over the insulation fully adhere a new Firestone .060 EPDM rubber roofing membrane. All present protrusions will be flashed as per firestone specifications.

\$29,649.00

Doors/Windows: We have included a \$800 material allowance for exterior door, frame and hardware for office exterior door. We have included a \$2,400 material allowance for doors, frames and hardware for 3 interior doors (bathroom, office & breakroom). We have also included a \$800 material allowance for (2) new windows located in office area.

\$ 8,271.00

Metal Building: Our proposal is for a single slope, pre-engineered, free standing, 40'x100' metal building addition. (Please see attached drawings). Siding and roofing will be exposed fastener. Our metal building budget includes a \$3,500 allowance for any additional bracing that may be needed to be installed in the existing building for bracing when the exterior wall is removed. This includes required engineer fees.

\$64,486.00

Finishes: Office, break room and bathroom will receive (1) layer of drywall with a level 4 finish, (1) coat of primer and (2) coats of finish paint, VCT flooring and 4" vinyl base.

\$ 9,261.00

Toilet & Bath Accessories: The new bathroom will receive (1) 36" grab bar, (1) 42" grab bar, mirror, toilet tissue dispenser, paper towel dispenser and soap dispenser.

\$ 276.00

Mechanical/ Plumbing: Consists of roughing and installing of (1) water closet, urinal, 1 lavatory, 1 shower, janitors sink, moving the existing solar hot water panels and tank with piping to the new building, 2 propane fired low intensity radiant heaters in bays, 1 propane fired furnace for office, breakroom, bathroom & mezzanine, ductwork for the furnace, indoor propane piping, toilet exhaust fan with ductwork, wall mounted exhaust fan for the new addition, carbon monoxide monitoring for the new addition, moving the existing sidewall fan, mechanical insulation, temperature controls and commissioning.

\$59,535.00

Electrical: (25) T5 HO fixtures in garage and mezzanine, layout similar to existing, (6) 2x4 3-lamp T8 troffers in office and break areas and (3) exterior LED fixtures, locations TBD. The existing panel has only 2 usable spaces, therefore a 100-amp sub panel will be located in the addition on the same wall by office area. Relocated equipment as described in outline will be reconnected. Adequate outlets will be provided in garage and office areas. There is currently no provision for specialty outlets such as welders, phone lines will be extended to new office. The existing fire alarm panel is outdated, parts are no longer readily available for it. This proposal replaces the existing panel with a new Notifier addressable panel and existing devices with addressable devices. The existing horn/strobe will be re-fed by new panel. The addition will be added to the new panel. All current monitoring services will be programmed into new panel.

\$38,735.00

Proposal Amount: \$412,968.00

CONSTRUCTION PROFESSIONALS
SERVING SOUTHERN VERMONT AND NEW HAMPSHIRE
SINCE 1982

31 STATION ROAD • MT. HOLLY, VERMONT 05758 • (802) 259-2094 • FAX (802) 259-2689

Exclusions: Builders Risk Insurance, tax, asbestos testing and abatement, boulder and ledge removal, testing, civil design, trench drain, ACT250 permit, local building permit, winter conditions, relocating Owners items, air piping, surveying, storm drainage, sprinkler, utility company fees, overhead doors, propane tank, outdoor propane piping, water heater, hosebibbs, compressed air piping, well tank, CO monitoring for the existing building, outdoor water piping, any additional requirements that DFS may have with their plan review. We assume the native soil has adequate bearing capacity.

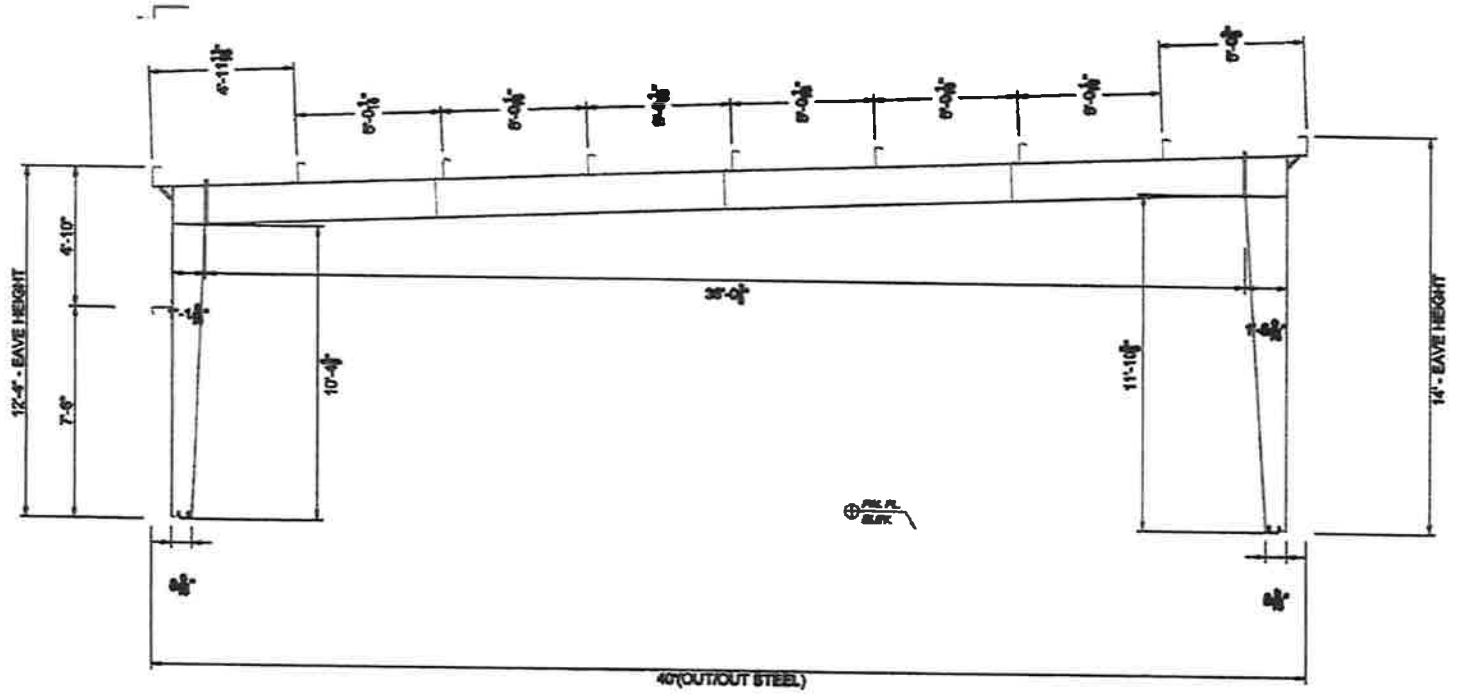
*Any excluded item can be added upon request

*Soil and concrete testing to be paid for by Owner. Wright Construction will coordinate.

CONSTRUCTION PROFESSIONALS
SERVING SOUTHERN VERMONT AND NEW HAMPSHIRE
SINCE 1982

31 STATION ROAD • MT. HOLLY, VERMONT 05758 • (802) 259-2094 • FAX (802) 259-2689

NOT FOR CONSTRUCTION



This drawing is NOT FOR CONSTRUCTION. The drawing is provided to depict general building information and is a way to show presentation purposes. For clarity of presentation, some details may be different from actual design and final drawings. In the event of conflict between this drawing and the purchase order, the purchase order shall prevail.

SECTION BEHIND THE CURB ON THE SIDE BUILDING FEEL, THIS IS NOT SCALE LAYOUT FROM ANY BUILDING OPTION IN ANY OPTION SECTION.

FRAME CLARANCE SHOWS THE APPROXIMATE AND HOW THEY REL TO FLOOR CONCRETE AND LAYOUT.

VERTICAL CLARANCE SHOWING ARE FROM FINISHED FLOOR REFERENCE ELEVATION.

MANUFACTURER PROVIDES THE DATA TO CHECK THE FRAME SECTION OF SECTION INFORMATION: OR, CLARANCE, INAC, PLATE/ANCHOR AND SECTION IS TO BE USED FOR CONSTRUCTION MANUFACTURER MUST BE NOTIFIED PRIOR TO ACCEPTANCE OF ORDER.

CONTRACT SHALL CHANGES FOR REVIEW BEFORE USING THE INFORMATION FOR CONSTRUCTION.

IF IS THE BUILDERS RESPONSIBILITY TO CONFIRM AS MANUFACTURER THE NEED TO HOLD TO ANY REQUIREMENTS SECTION INFORMATION PROVIDED BY MANUFACTURER MANUFACTURER WILL NOT BE LIABLE FOR ANY CHANGES IN FRAME SECTION OF THE BUILDING WILL NOT BE CONSIDERED TO MANUFACTURER.

CONSTRUCTION CONSTRUCTION OF AVAILABLE SUPPLIER BY MANUFACTURER WILL BE PROVIDED BY BSA, AND SERVICES BY A LICENSED ENGINEER BY FIRM, SECTION DRAWING.

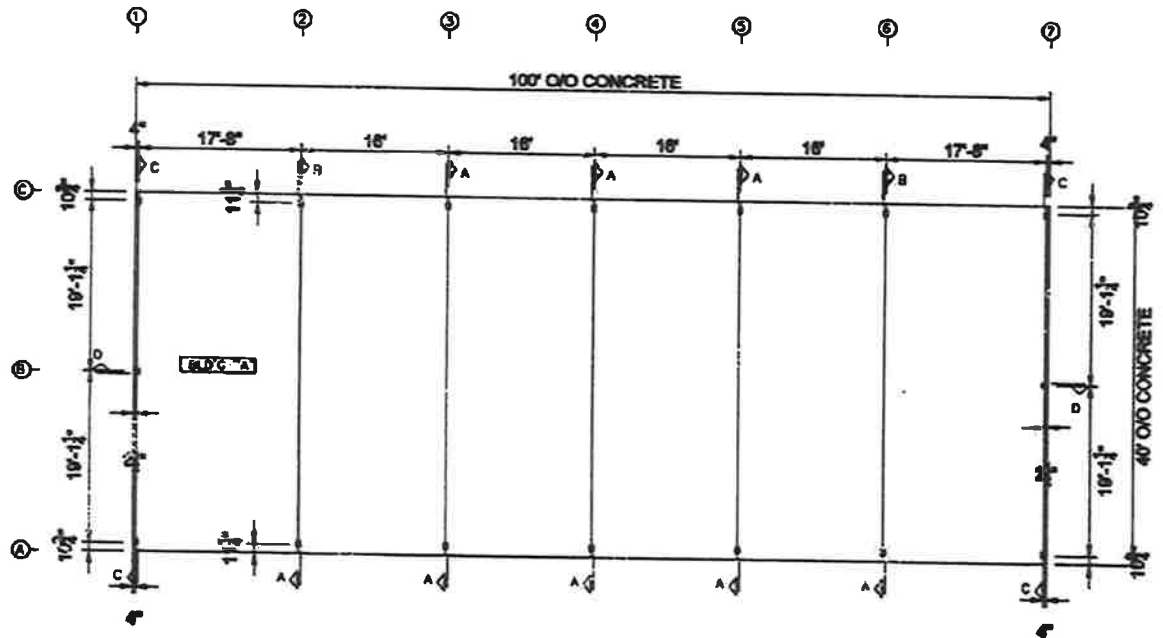
CROSS SECTION AT FRAME LINES 3-5" - (A) Norwich Public Works

<p>From: MBMA</p> <p>MBMA is a registered trademark of the MBMA. All rights reserved. MBMA is not responsible for any errors or omissions in this drawing. MBMA is not responsible for any damage or injury resulting from the use of this drawing.</p>	
<p>Project: NOT TO SCALE</p> <p>Client: 2000</p> <p>Date: UN00</p> <p>Sheet: 01</p>	<p>MBMA Logo</p> <p>MBMA is a registered trademark of the MBMA. All rights reserved. MBMA is not responsible for any errors or omissions in this drawing. MBMA is not responsible for any damage or injury resulting from the use of this drawing.</p>
<p>MBMA Logo</p> <p>MBMA is a registered trademark of the MBMA. All rights reserved. MBMA is not responsible for any errors or omissions in this drawing. MBMA is not responsible for any damage or injury resulting from the use of this drawing.</p>	<p>MBMA Logo</p> <p>MBMA is a registered trademark of the MBMA. All rights reserved. MBMA is not responsible for any errors or omissions in this drawing. MBMA is not responsible for any damage or injury resulting from the use of this drawing.</p>

Client: Norwich Public Works - 2016 Update - 2016

NOT FOR CONSTRUCTION

ACCESSORY SCHEDULE		
Item	Description	Qty



This drawing is not for construction. This drawing is intended to depict general building information and is solely for sales presentation purposes. For safety of construction, some dimensions may be different from actual design and field drawings. In the event of conflict between this drawing and the purchase order, the purchase order shall prevail.

ANCHOR ROD PLAN - (A) Norwich Public Works

SECTION SHOWN ARE BASED ON THE
 SINCE BUILDING ITSELF, THEY DO NOT
 INCLUDE LOADS FROM ANY BUILDING
 SYSTEMS OR ANY OTHER BUILDING.

FOUNDATION MUST BE EXAMINE AND LEVEL.
 ALL ANCHORS MUST BE SET IN EXACT
 LOCATION AND PROJECTION.
 ANCHORS AND PROJECTIONS MUST BE HELD
 TO KEEP TOLERANCE CLOSE BY FINISHED CONCRETE.

ORDERING INFORMATION OF MATERIALS
 SUPPLIER BY MANUFACTURER WILL BE PROVIDED
 BY S.O.A. AND DETERMINED BY LOCALS
 OBTAINED BY FINAL CONTRACT DRAWINGS.

THIS DRAWING IS FOR ANCHORS AND PLACEMENT
 ONLY AND IS NOT A SUBSTITUTE FOR
 FOUNDATION DESIGN.

CONCRETE SHALL BE ORDERED FOR ANCHORS
 USING THE INFORMATION FOR CONSTRUCTORS.

MANUFACTURER SPECIFIED THE BEST TO OBTAIN
 THE FINAL DESIGN OF SECTION INFORMATION
 IS CLEARANCE, THE PLACEMENT AND SECTION
 IS TO BE HELD FOR CONSTRUCTION SUPERVISOR
 MUST BE NOTIFIED PRIOR TO ACCEPTANCE OF
 DESIGN.

A.S. - MANUFACTURER'S

IT IS THE BUILDER'S RESPONSIBILITY TO COMMUNICATE
 TO MANUFACTURER THE NEED TO HOLD TO ANY
 PARTICULAR SECTION INFORMATION PROVIDED BY
 MANUFACTURER. MANUFACTURER WILL NOT BE LIABLE
 FOR ANY CHANGES IN FINAL DESIGN OF THE BUILDS
 DOES NOT COMMUNICATE TO MANUFACTURER.

North Public Works
 1000 North Main Street
 Norwich, VT 05601
 Phone: 802-649-1234

Contract: 2016-01-01
 County: Franklin
 Project Name: Norwich Public Works

Scale: 1/4" = 1'-0"
 Date: 10/15/2016

Project: Norwich Public Works

MBWA

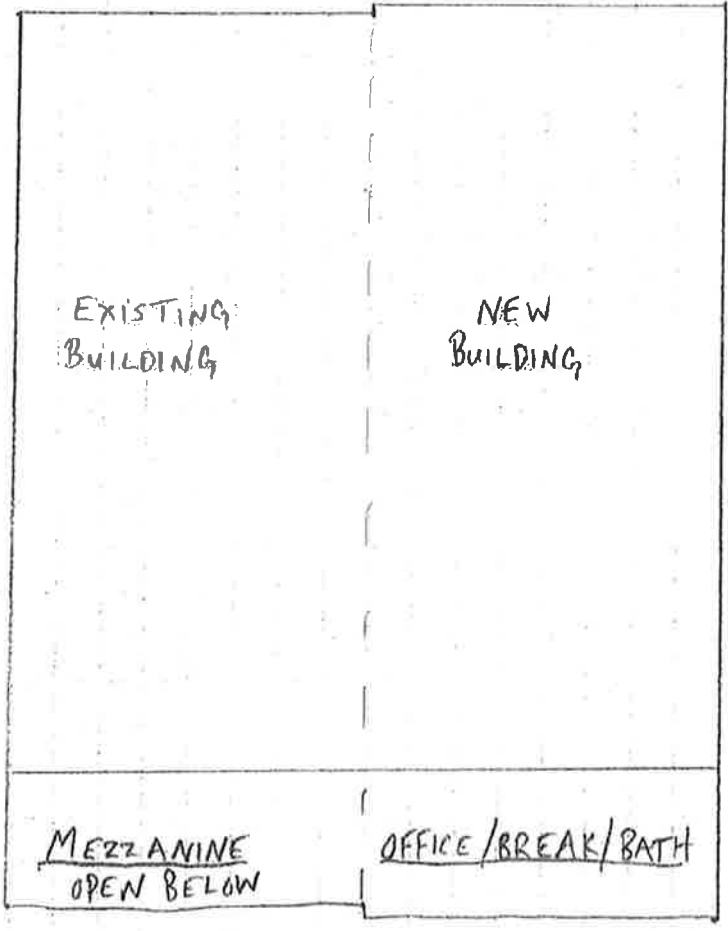
The engineer, architect and contractor hereby warrant that the design and construction of this project complies with all applicable laws, codes and regulations. The undersigned engineer is duly licensed and qualified to practice in the State of Vermont.

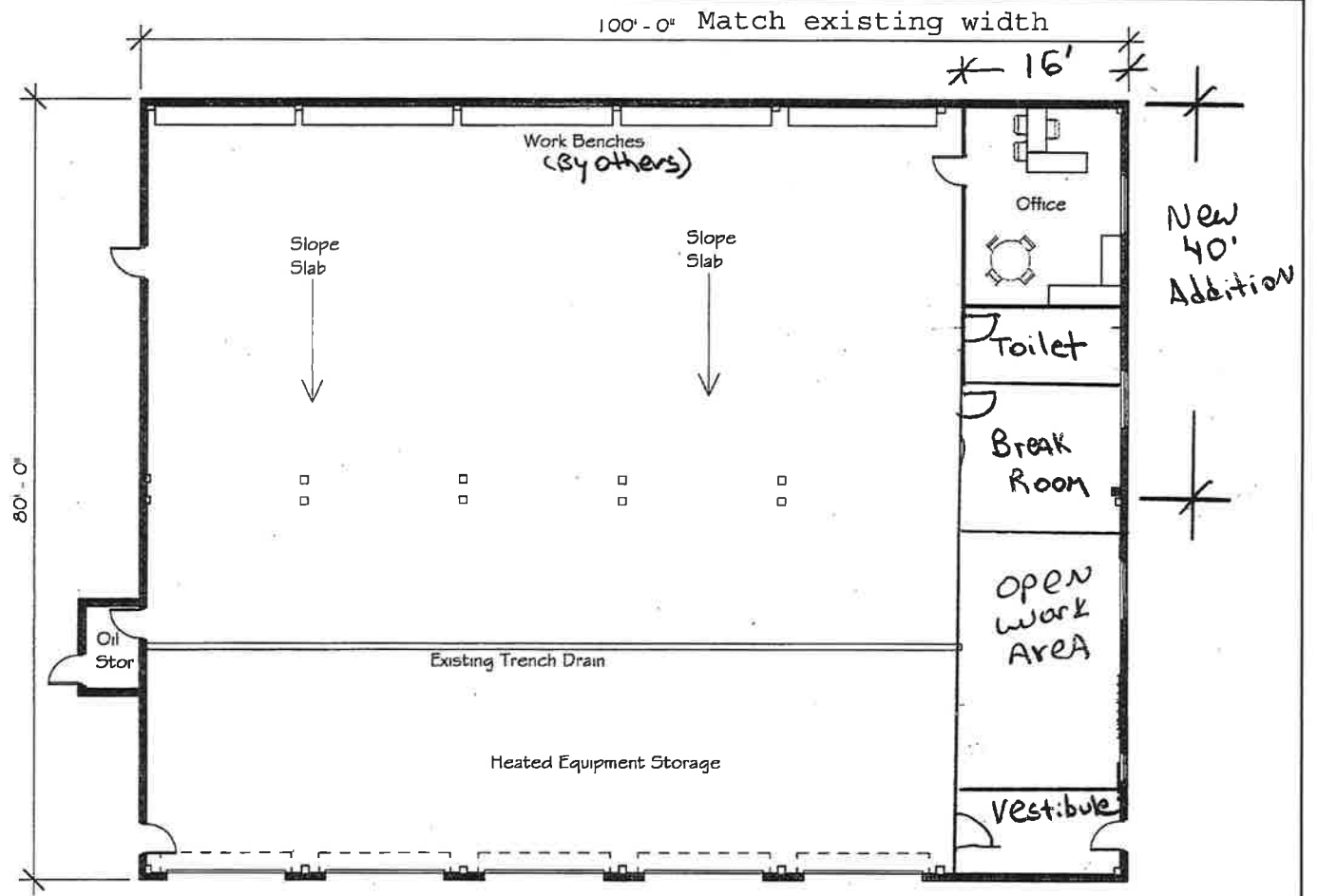
WRIGHT

CONSTRUCTION COMPANY, INC.

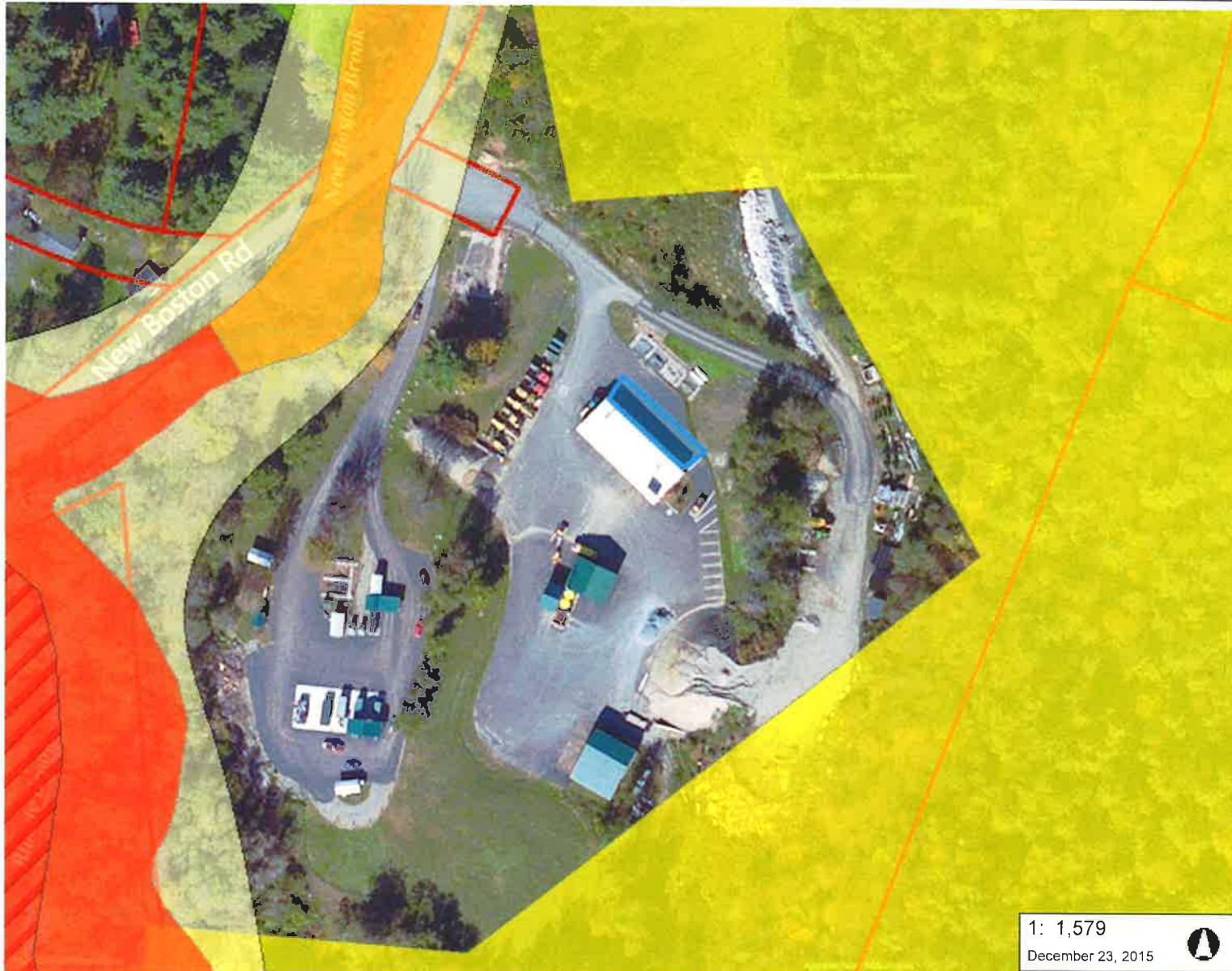
PO Box 189
Mt. Holly, VT 05758
802.259.2094
802.259.2889 fax

Project Name: Norwich Public Works Facility
Project No.: 2015-131
Date: 1/6/16
Title: FLOOR PLAN
Drawn By: _____





Town of Norwich
 Proposed Addition to existing Town Garage
 Not to Scale
 Jan. 6, 2016



LEGEND

- DFIRM Floodways
- Special Flood Hazard Areas (A Counties)**
 - AE (1-percent annual chance flood)
 - A (1-percent annual chance floodpl)
 - AO (1-percent annual chance zone feet)
 - 0.2-percent annual chance flood ha
- River Corridors (Jan 2, 2015)
 - Habitat Blocks**
 - 10 - Higher Priority
 - 9
 - 8
 - 7
 - 6
 - 5
 - 4
 - 3
 - 2
 - 1 - Lower Priority
 - 0
- Waterbody
- Stream
- Parcels (where available)
- Town Boundary

1: 1,579
December 23, 2015

80.0 0 40.00 80.0 Meters
 WGS_1984_Web_Mercator_Auxiliary_Sphere 1" = 132 Ft. 1cm = 16 Meters
 © Vermont Agency of Natural Resources THIS MAP IS NOT TO BE USED FOR NAVIGATION

DISCLAIMER: This map is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. ANR and the State of Vermont make no representations of any kind, including but not limited to, the warranties of merchantability, or fitness for a particular use, nor are any such warranties to be implied with respect to the data on this map.

NOTES

Map created using ANR's Natural Resources Atlas

**Request for Alternate Project
Town of Norwich**

DRAFT 1-6-16

FEMA Declaration PA01VT4022	PW 02334(0)	Date January XX, 2016
FIPS 027-52900-00	Category G Recreational or Other	
Applicant Town of Norwich	County Windsor	Damaged Facility Recreation Pool Dam

The Town of Norwich (Town) has determined that the public interest would not be best served by restoring this damaged facility because of the reasons cited below. The requested alternate project is described below.

Estimated cost of Alternative Project: \$126,700.

Tropical Storm Irene on August 28, 2011 caused extensive damage to the Norwich Pool Dam and Recreation Area including breaching the dam. PW 2334 estimated the cost of repairing the recreation area and replacing the dam at \$567,284.28. In order for the dam to be replaced a permit was required from the Vermont Agency of Natural Resources (ANR). On October 20, 2015 the Town was notified that the request for a permit had been denied.

Alternate Project: Norwich Route 132 Culvert Replacement

This proposed Alternate Project is one of four approved by the Norwich Selectboard. We are requesting the approval of an Alternate Project for replacement of a culvert on Route 132.

1. PURPOSE

- 1.1 The Town of Norwich is seeking to replace a dilapidated concrete box culvert on VT Route 132, at the first stream crossing below the intersection of Bowen Hill.
- 1.2 Location: N 43° 45.967; W 072° 14,707; West to 002

2. EXISTING STRUCTURE

- 2.1 The existing structure is a concrete box culvert with a clear span length of 4' and clear height of about 6', providing a waterway opening of 24 sq. ft.

3. SCOPE OF WORK

- 3.1 Demolish and remove existing concrete box culvert.
- 3.2 Replace existing concrete culvert with a 30' concrete box with a 10' wide by 5' high inside opening and 6" high bed retention sills (baffles) in the bottom.
- 3.3 The box invert should be buried 12", so the top of the sills will be buried 6" and not be visible. That will result in a 10' wide by 4' high waterway opening above streambed, providing 40 sq. ft. of waterway area.
- 3.4 Sills should be spaced no more than 8'-0" apart throughout the structure with one sill placed at the inlet and one at the outlet.
- 3.5 Sills should be cast in a V-shape with a 10:1 lateral slope, to create a low flow channel if the center of the bed material in the structure is washed out.

- 3.6 The spaces between sills should be filled with stone graded to match the natural stream bed material.
- 3.7 This structure will result in a headwater depth at Q50= 3.7' and at Q100= 4.2', with no roadway overtopping at Q100.
- 3.8 Full headwalls should be constructed at the inlet and outlet.
- 3.8.1 The headwalls should extend at least four feet below the channel bottom, or to ledge, to act as cutoff walls and prevent undermining.
- 3.9 Structure should have flared wingwalls at the inlet and outlet, to smoothly transition flow through the structure, and to protect the structure and roadway approaches from erosion.
- 3.9.1 Wingwalls should match into the channel banks.
- 3.10 Structure should be properly aligned with the channel, and constructed on a grade that matches the channel.
- 3.11 Stone fill-Type II should be used to protect any disturbed channel banks or roadway slopes at the structure's inlet and outlet, up to a height of at least one foot above the top of the opening. The stone fill should not constrict the channel or structure opening.
- 3.12 Repair of road pavement after the installation of the new structure.
- 3.13 Installation of 75 linear feet of used SBGR State of Vermont-type.

4. QUANTITIES

4.1

Item #	Description	Quantity	Unit
201.11	Clearing and grubbing	0.1	acre
203.15	Common excavation	300	cy
203.32	Granular borrow	200	cy
301.15	Subbase of gravel	150	cy
402.1	Aggregate shoulders	10	cy
406	Marshall bituminous pavement	50	tons
507.15	Reinforcing steel	500	lbs.
529.15	Removal of existing structure	1	unit
540.1	Precast concrete box	1	unit
541.25	Concrete class B footings	20	cy
606.14	Beam guardrail	75	ft
615.16	Type II stone fill	40	cy
621.5	Man. Term. Section (G1-D)	4	ea
621.8	Removal of guardrail	75	ft
635.11	Mobilization	1	unit
641.1	Traffic control	1	unit
649.31	Geotextile under stone fill	100	sy
649.51	Geotextile for silt fence	100	sy
651.15	Seed	50	lb
651.18	Fertilizer	100	lb
651.25	Hay mulch	200	sy

651.35	Topsoil	50	cy
900.651	Testing allowance	\$5,000	NABI

4.2 Notes

4.2.1 The quantities above were developed as a base for cost of the project and may not include all items necessary to complete the work.

4.2.2 These quantities are provided for information only.

4.2.3 This project is to be bid and paid for as a lump sum project.

4.2.4 It is not anticipated that ledge will be encountered. However, if ledge is encountered, the contractor will be asked to pin the footings to ledge. This will be paid for as a change order adding the drilling and grouting item.

5. OTHER CONDITIONS

5.1 A stream alteration permit has been obtained from the VT Agency of Natural Resources for this project: Project Number SA-05-044-2015 Norwich Route 132 Culvert.

5.2 The Vermont ANR will not approve the installation of a metal arch pipe at this location.

5.3 The Project Delivery Bureau, Environmental Section of the VT Agency of Transportation has confirmed that no clearances or permits are needed from the State of Vermont for this project.

5.4 Alternate Project for FEMA #PA-01-VT-4022-PW-02334

EHP Compliance:

The proposed project is EHP compliant. The project does not involve any construction work or disturbance of outside of the site of the existing culvert other than what has been approved in the Vermont Stream Alteration Permit issued on December 23, 2015 (See SA-05-044-2015 attached).

The Town confirms by signature below that: 1) approval is based on the information provided with this request; 2) any changed conditions are to be immediately brought to the attention of the Public Assistance Officer; and, 3) approved alternate projects remain subject to all previous requirements for accountability, completion, and closure.

Neil R. Fulton, Authorize Representative
Town Manager

Route 132 Culvert

Bidder	Proposal
Griffin and Griffin	126,700
Conkey Enterprises	136,292
Daniels Construction	138,250
Winterset	143,651
G & N	148,700
Willey Earth Moving	149,000
Thomson Excavating	151,345
Hook	183,265
Northwoods Excavating	219,328
L&M	234,500
Beard	295,800

Griffin & Griffin Excavating, Inc.

Estimate

1909 Airport Road
N. Fayston, VT 05660

Date	Estimate #
1/5/2016	911

Name / Address
Town of Norwich Dept. Public works 26 Boston Road Norwich, VT 05055

Project	Terms

Description	Qty	Cost	Total
Remove & Replace Box Culvert on Rt 132 in Norwich, VT, by house # 533 Pricing included on sheet #2	1	\$126,700.00	\$126,700.00

One Hundred Twenty Six Thousand Seven Total \$126,700.00

Phone #	Fax #
802-583-2500	802-496-5478

Hundred, 00/100
Signature *Robert D Griffin*
owner / president

Project manager
Michael Allen
802-371-8418

36" CPP
Culvert

sand bags
concrete blocks with plastic

pump if
needed

GRIFFIN & GRIFFIN EXCAVATING, INC.

1909 AIRPORT RD

NORTH FAYSTON VT 05660

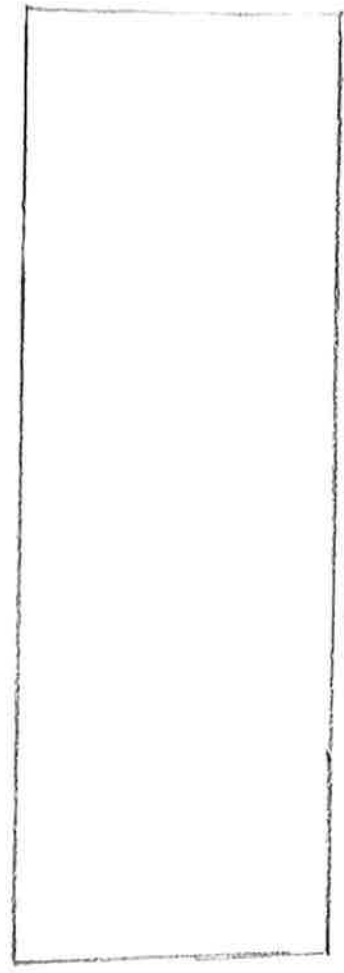
802-583-2500 Fax 802-496-5478 E-mail northfayston@gmail.com

BY Pass

INSTALL 36" Pipe
concret blocks
plastic over blocks
sand bag on plastic
temp pipe will be
4' off outside of
New box culvert

Remove TEMP 36"
after box culvert
is installed
backfill box culvert

Put temp 36" Inside
Inlet box culvert
up River sand bag
dig wing walls
set wing walls
back fill
same on outlet

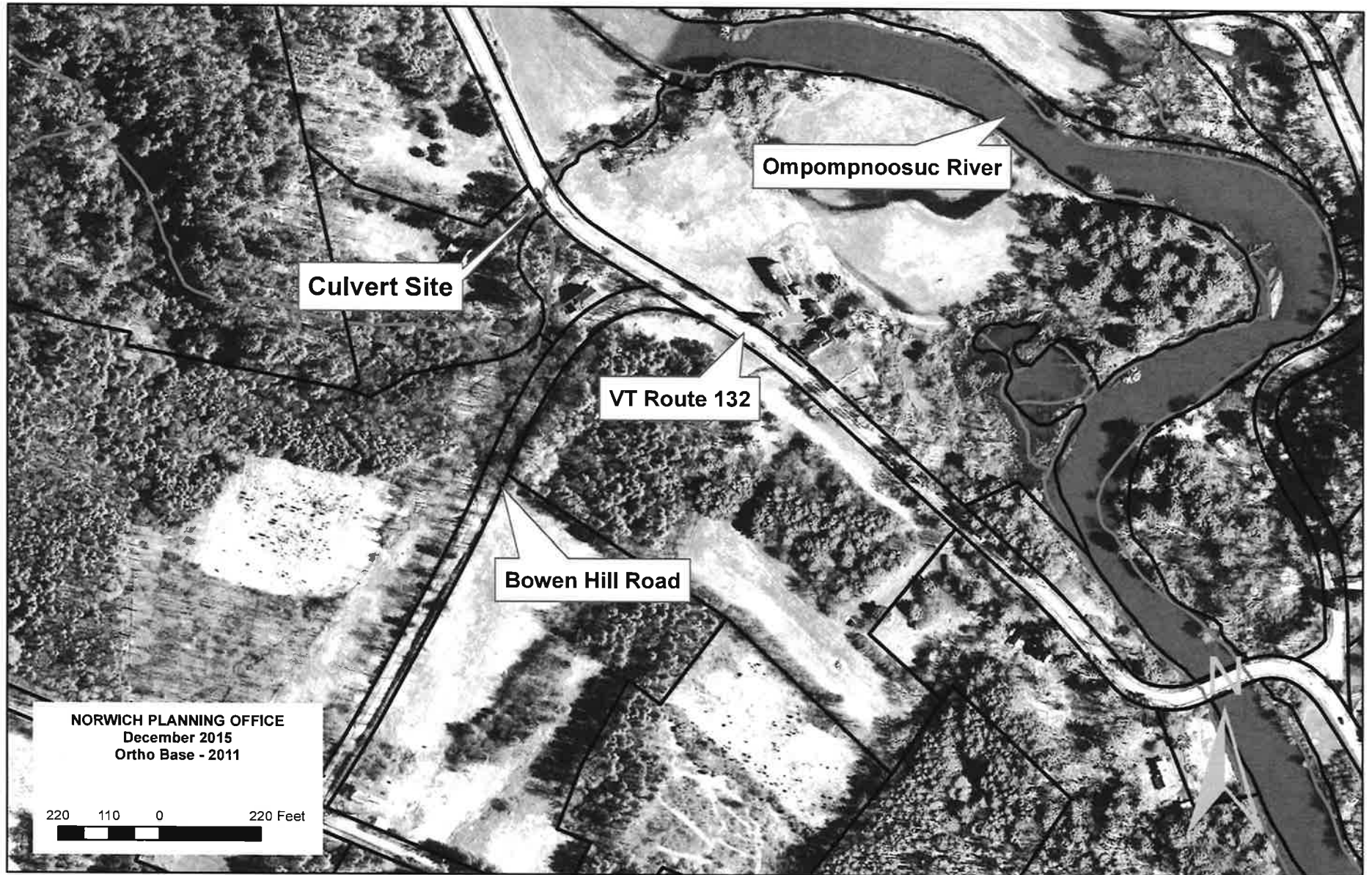


week 1

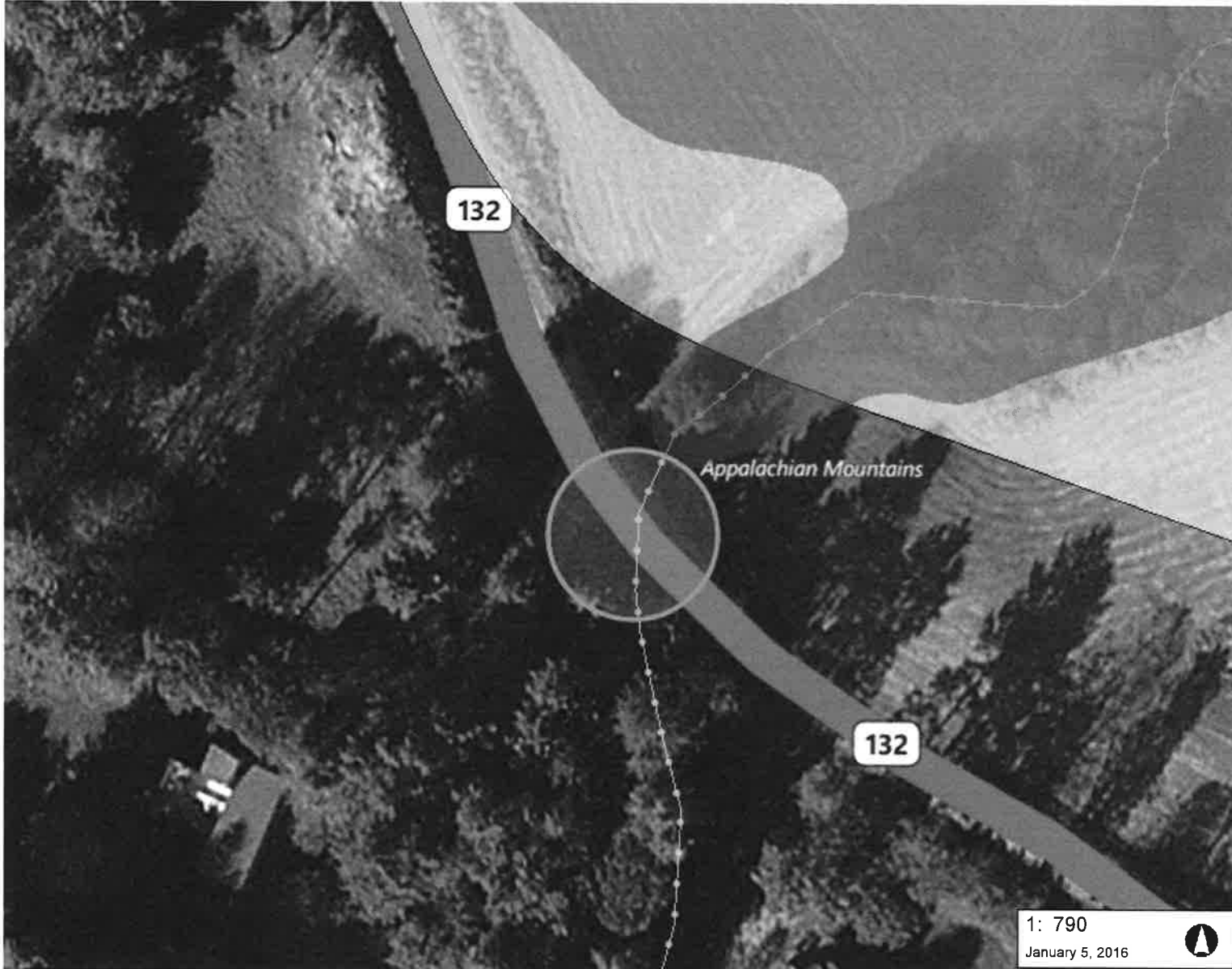
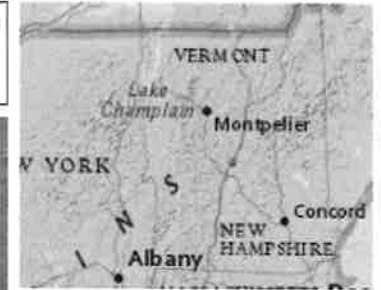
- set up signs & Road Closure
- lay out of new culvert
- install temp 36" pipe for byPass
- Remove old culvert
- grade for new culvert
- set new culvert
- Remove temp. pipe
- back fill box culvert

week 2

Put in 36" pipe inlet & outlet
grade & set wing walls
backfill
Place type II rip rap
topsoil slope
box cut for gravel
open road
allow traffic for
3 weeks
PAVE Road



Date Printed: 12/22/2015



LEGEND

Wetlands - VSWI

- Class 1 Wetland
- Class 2 Wetland

Special Flood Hazard Areas (A Counties)

- AE (1-percent annual chance flood)
- A (1-percent annual chance flood)
- AO (1-percent annual chance zone feet)
- 0.2-percent annual chance flood ha

- River Corridors (Jan 2, 2015)
- Small Streams - 50ft Setback
- Stream
- Town Boundary

1: 790
January 5, 2016

NOTES

Map created using ANR's Natural Resources Atlas

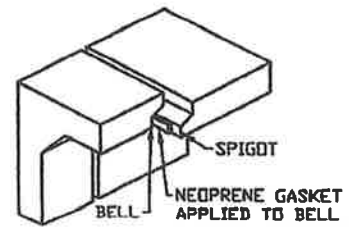
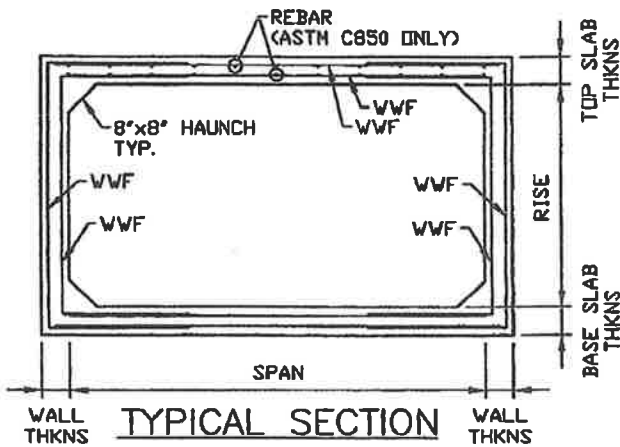
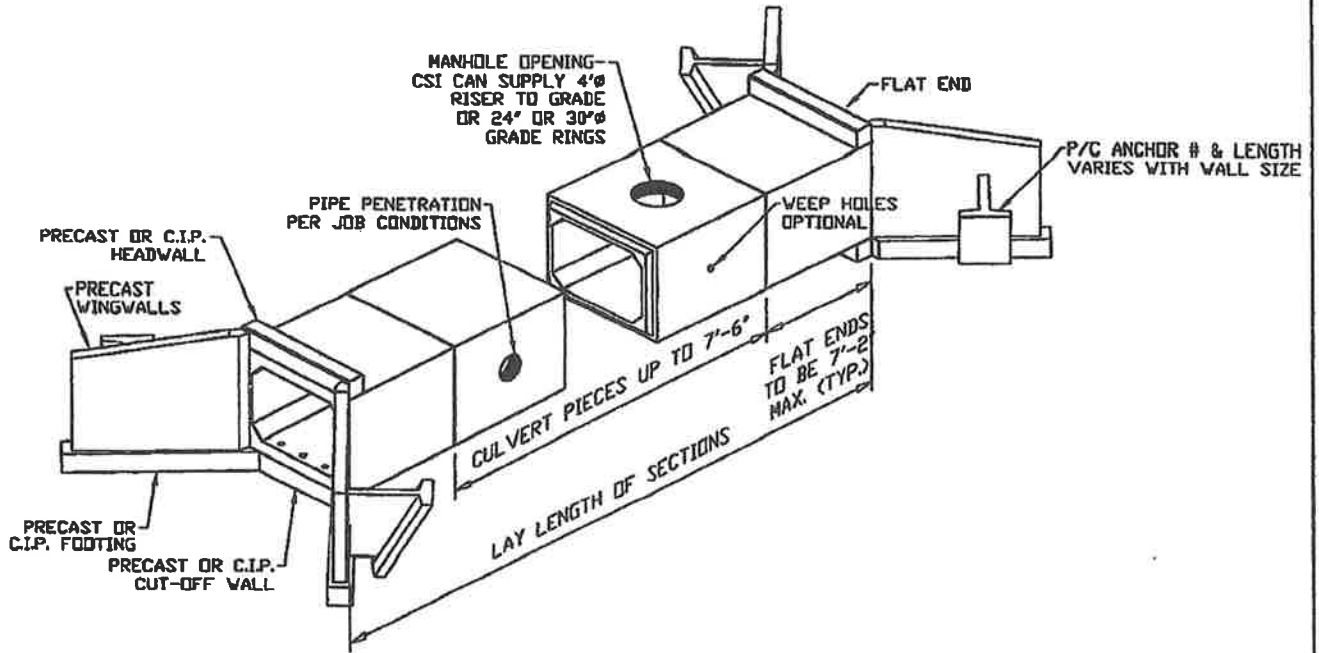
40.0 0 20.00 40.0 Meters

WGS_1984_Web_Mercator_Auxiliary_Sphere 1" = 66 Ft. 1cm = 8 Meters

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Precast Box Culvert with Wing Walls Single Cell



JOINT DETAIL

GENERAL NOTES:

1. Structure designed and built in accordance with ACI 318-89 "Building Code Requirements for Structural Concrete" and ASTM C789 or C850. Other design codes: AASHTO, AREA, FAA Airport Loading & BOCA as required.
2. Design Parameters:
 Live load: As specified
 Earth Cover: Per job condition
 Concrete: Design strength $f_c = 5000$ psi
 Unit weight = 150 pcf
 Reinforcing: ASTM A615 (Rebar) Grade 60
 ASTM A185 (Welded Wire Fabric) Grade 70



Vermont Department of Environmental Conservation

Watershed Management Division
Springfield Regional Office
100 Mineral Street, Suite 303
Springfield, VT 05156
www.watershedmanagement.vt.gov

Agency of Natural Resources

[phone] 802-885-8855
[fax] 802-885-8890
[cell] 802-345-3510

AUTHORIZATION TO CONDUCT STREAM ALTERATION ACTIVITIES

Pursuant to Section C.2.2.5 of the VT Stream Alteration General Permit (replacement to improve existing culverts)

Project Number: **SA-05-044-2015 Norwich Route 132 Culvert**

Applicant Name: Selectboard, Town of Norwich, Vermont

Contact: Neil Fulton or Andy Hodgdon

Mailing Address: Town of Norwich, PO Box 376, Norwich, Vermont 05055

Phone: (802) 649-1419 or (802) 649-2209

Project Location: Rte 132 Replacement Culvert over un-named tributary

Email: manager@norwich.vt.us or

ahodgdon@norwich.vt.us

The Secretary of the Vermont Agency of Natural Resources (VT ANR) has determined that:

1. This project authorizes the replacement of a structurally deficient 4' wide X 6' tall bridge with a 10' wide X 5' tall concrete box culvert on an un-named tributary to the Ompompanossuc River to preclude emergency repairs.
2. The proposed activity is eligible for coverage under the VT ANR Stream Alteration General Permit.
3. The proposed activity will meet the terms and conditions of the General Permit provided:
 - a) The project will be completed and approved as shown on the attached plans undated, prepared by the town of Norwich as reviewed and approved by the VT ANR herein. Shop drawings shall be approved prior to construction.
 - b) The project will not adversely affect the public safety by increasing flood hazards. See VTrans Hydraulic Report.
 - c) The project will not significantly damage fish life or wildlife. Provide 12" sills buried 24" below stream bed.
 - d) The project will not significantly damage the rights of riparian owners. See attached VTrans Hydraulic Report.
 - e) The project will not obstruct the movement of aquatic life indigenous to the waterbody beyond the actual duration of construction. Use Type E1 Stone Fill in retention sills as per attached SRMPP Appendix M Stone Fill.
 - f) The project is conducted in a manner which minimizes or avoids any discharge of sediment or other pollutants to surface waters in violation of the VT Water Quality Standards.
 - g) The ANR River Management Engineer is notified by phone or email when construction begins and when the project is complete.
 - h) In-stream working dates for all GP activities are from June 1st through October 1st; any in-stream work outside these dates will require an Individual Stream Alteration Permit authorization by the River Management Engineer.
 - i) This authorization has been posted for three days public comment. This authorization constitutes final approval.


If there are any changes in the project plan or deviation in construction from the plan, the Permittee must notify the River Management Engineer immediately.

If the project is constructed as you have described, as shown on the above referenced approved plans and according to the above conditions, there is no reason to expect any violation of Vermont Water Quality Standards.

Signed this 23rd day of December, 2015

This permit expires October 1, 2016.

Alyssa B. Schuren, Commissioner
Department of Environmental Conservation

by 

Todd Menees, P.E., P.H., River Management Engineer

Streambed Stone Fill Design Guidance

Type	Velocity Range (fps)*	Embeddedness (in)
E1	$V < 9$	18
E2	$9 < V < 11$	24
E3	$11 < V < 13$	36
E4	$13 < V < 15$	48

*Maximum velocity should be based on a minimum 50-year design flow rate and calculated at the structure outlet.

Item xxx.xxx CY Streambed Stone Fill Specification

Type E1. The longest dimension of the stone shall be at least 18 inches, and at least 50 percent of the volume of the stone in place shall have a least dimension of 12 inches, and at least 25 percent of the particles shall have a maximum dimension of 2 inches and be well graded material.

Type E2. The longest dimension of the stone shall be at least 24 inches, and at least 50 percent of the volume of the stone in place shall have a least dimension of 18 inches, and at least 25 percent of the particles shall have a maximum dimension of 2 inches and be well graded material.

Type E3. The longest dimension of the stone shall be at least 36 inches, and at least 50 percent of the volume of the stone in place shall have a least dimension of 24 inches, and at least 25 percent of the particles shall have a maximum dimension of 2 inches and be well graded material.

Type E4. The longest dimension of the stone shall be at least 48 inches, and at least 50 percent of the volume of the stone in place shall have a least dimension of 36 inches, and at least 25 percent of the particles shall have a maximum dimension of 2 inches and be well graded material.

Notes

- The streambed stone fill shall be hard, blasted, angular rock other than serpentine rock containing the fibrous variety chrysotile (asbestos). Similar sized river sediment is an acceptable alternative as is a mixture of angular material and river sediment.
- Stone placed inside of a closed structure shall be placed such that the structure is not damaged.
- Care shall be taken to limit segregation of the materials.
- Add sand borrow item as needed to seal the bed and prevent subsurface flow.
- There shall be no subsurface flow upon final inspection.

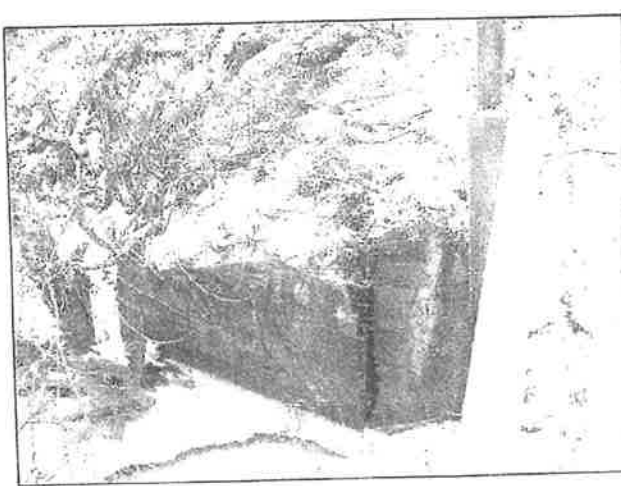
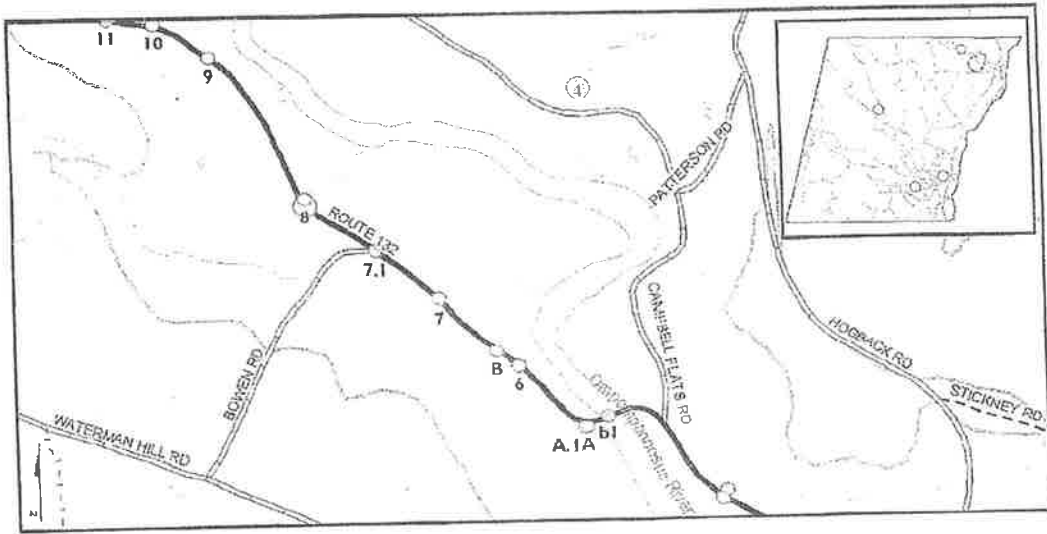


Figure 1: Cracked wingwalls

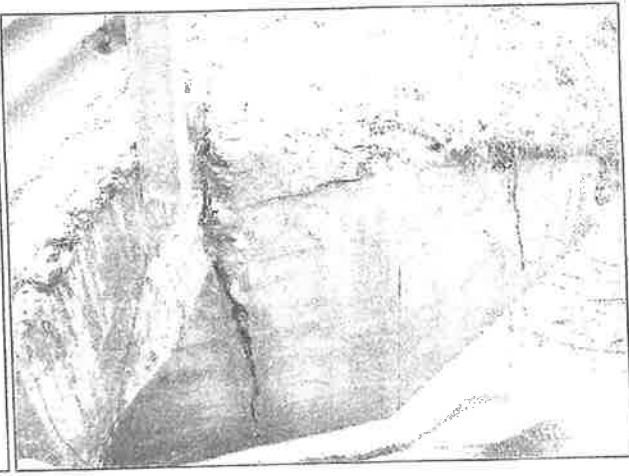


Figure 2: Cracked wingwalls



Figure 3: Poor condition box culvert



Site Description

At the first stream crossing below the intersection of Bowen Hill, a concrete box culvert that was built in 1927 and is in very poor condition.

Recommended Treatment

Scope of work:

- Demolish and remove existing concrete box culvert.
- Replace existing concrete culvert with a metal pipe arch with a 117" minimum clear span and 79" minimum clear height.
- Install 12" high bed retention sills in the bottom of the structure, buried 24", so the top of the sills and invert are buried below the streambed.
- Sills will be spaced no more than 8'-0" apart throughout the structure with one sill placed at the inlet and one at the outlet.
- Sills will be cast in a V shape with a 10:1 lateral slope, to create a low flow channel in the center if the bed material in the structure is washed out.
- This will result in a structure with an approximate waterway opening of 37.7 square ft. This structure will result in approximate headwater depths at Q50=4.1' and at Q100-4.8'.
- Concrete headwalls will be constructed at the inlet and outlet. The headwalls will extend at least four feet below the channel bottom or to the ledge, to prevent undermining of the structure.
- The new structure will have flared wing walls at the inlet and outlet, to smooth transition flow through the structure, and to protect the structure and roadway approaches from erosion.
- Stone fill-Type II will be used to protect any disturbed channel banks or roadway slopes at the structure's inlet and outlet, up to a height of at least one foot above the top of the opening.
- Repair of road pavement after the installation of the metal pipe arch.
- Installation of 150 linear feet of used SBGR State of Vermont-type w-rail with radius panels and buffers.

Permit Requirements - A VT DEC Stream Alteration Permit will be required for this project. Contact Pat Ross at (802) 279-1143.

Construction Notes:

- Construction Specifications-See specifications in Vermont Better Backroads Manual, 2009.
- Buried Cable/Utilities-Buried cable/utilities may be on site. Call Dig Safe 1-888-DIG-SAFE to locate buried utilities prior to construction
- Crown roads ½ to ¾ inch per linear foot after project installation and maintain thereafter.
- Stabilize all disturbed soils with seed and mulch.
- Appropriate erosion control measures shall be utilized throughout the duration of the project in accordance with the ANR stream engineer.
- All cost of installing, maintaining, and removing the signs and barricades, and traffic control are to be borne by the successful bidder.
- All traffic signs shall conform to the Manual of Uniform Traffic Control Devices (MUTCD), 2009 Edition.
- All orange signs shall be fabricated using reflectorized fluorescent orange-colored sheeting.
- It is estimated that this project will take approximately two weeks to complete, during which time an acceptable detour will need to be established for Route 132 traffic.

Cost Estimates for Treatment

The total cost of removal and disposal of the existing cement box culvert, purchasing and installing the new metal pipe and culvert with concrete work as described above, clearing and grubbing, channel relocating, stone-filled slope stabilizing, repairing pavement, traffic control, erosion control, guardrail installation, turf establishment, and mobilization will be \$115,000.

Cost Benefit Analysis:

This culvert is in such poor shape that it will eventually cave in; causing an emergency repair that would put the burden of the entire replacement cost to the town.

This project is located in a highly visible area on Route 132, which is one of the main arteries going to the towns of Thetford, Strafford, and Sharon. It would demonstrate the benefits of being proactive in the maintenance of stream crossings and proper drainage on this important connecting route.

VT AGENCY OF TRANSPORTATION PROGRAM DEVELOPMENT DIVISION
HYDRAULICS UNIT

TO: Trevor Starr, District Project Manager, District 4
FROM: Leslie Russell, P.E., Hydraulics Project Engineer
DATE: 16 March 2012
SUBJECT: Norwich VT 132 – 300' west of TH 14 – over unnamed brook

We have completed our preliminary hydraulic study for the above referenced site, and offer the following information for your use:

Hydrology

This site has a hilly drainage basin. It is mostly forested. The total contributing drainage area is about 0.8 sq. mi. There is an overall length of 9855 feet from the divide to the site, with a 630 foot drop in elevation, giving an average overall channel slope of 6.4 %. The stream slope at the site was estimated to be about 1%. Using several hydrologic methods, we came up with the following design flow rates:

<u>Recurrence Interval in Years</u>	<u>Flow Rate in Cubic Feet per Second (CFS)</u>
Q2.33	45
Q10	110
Q25	145
Q50	180 - State Highway Design Flow
Q100	220 - Check flow

Existing Conditions

The existing structure is a small slab bridge. It has a clear span length of 4', with a clear height of about 6', providing a waterway opening of 24 sq. ft. The bridge has concrete abutments. The southeast wingwall on the outlet is separating from the eastern abutment.

The bridge is on a skew to the roadway and constricts the channel. The top of the footings can be seen indicating that there is scour through the bridge. There is potential for debris and ice to block this narrow structure.

The downstream channel is incised and during high water, it may be possible for this structure to see backwater from the Ompompanoosuc River because the confluence is a couple hundred feet downstream of the structure.

This structure results in a headwater depth of 6.8' at Q50 and 8.0' at Q100.

Recommendations

In sizing a new structure we attempted to select structures that meet the hydraulic standards, fit the natural channel width, the roadway grade and other site conditions. Though there was ice and snow on the day of the site visit, we measured the channel width to be approximately 10'. ANR regression

equation calculates bankfull width as 12'. However, the equation does not take into account any other factor besides drainage area. We recommend any of the following structures as a replacement at this site:

1. A concrete box with a 10' wide by 5' high inside opening, with 6" high bed retention sills (baffles) in the bottom. The box invert should be buried 12", so the top of the sills will be buried 6" and not be visible. That will result in a 10' wide by 4' high waterway opening above streambed, providing 40-sq. ft. of waterway area. Sills should be spaced no more than 8'-0" apart throughout the structure with one sill placed at the inlet and one at the outlet. Sills should be cast in a V shape with a 10:1 lateral slope, to create a low flow channel in the center if the bed material in the structure is washed out. The spaces between sills should be filled with stone graded to match the natural stream bed material. This structure will result in a headwater depth at $Q_{50} = 3.7'$ and at $Q_{100} = 4.2'$, with no roadway overtopping at Q_{100} .
2. A metal pipe arch with a 117" minimum clear span and 79" minimum clear height. There should be 12" high bed retention sills in the bottom of the structure that are buried 24", so the top of the sills and invert are buried below the streambed. Sills should be built as for the box above. This will result in a structure with an approximate waterway opening of 37.7 sq. ft. This structure will result in approximate headwater depths at $Q_{50} = 4.1'$ and at $Q_{100} = 4.8'$.
3. Any similar structure with a minimum clear span of 10' and at least 40 sq. ft. of waterway area, that fits the site conditions, could be considered.

General comments

If a new box is installed, we recommend it have full headwalls at the inlet and outlet. The headwalls should extend at least four feet below the channel bottom, or to ledge, to act as cutoff walls and prevent undermining.

If the pipe arch option is installed, concrete headwalls should be constructed at the inlet and outlet. The headwalls may be either half height or full height. The headwalls should extend at least four feet below the channel bottom or to ledge, to prevent undermining of the structure. We recommend a minimum cover of 3' over all pipe structures. Obtaining the minimum cover of 3' should be no problem at this site. Pipe manufactures can provide specific recommendations for minimum and maximum fill heights and required pipe thickness.

It is always desirable for a new structure of this size to have flared wingwalls at the inlet and outlet, to smoothly transition flow through the structure, and to protect the structure and roadway approaches from erosion. The wingwalls should match into the channel banks. Any new structure should be properly aligned with the channel, and constructed on a grade that matches the channel.

Stone Fill, Type II should be used to protect any disturbed channel banks or roadway slopes at the structure's inlet and outlet, up to a height of at least one-foot above the top of the opening. The stone fill should not constrict the channel or structure opening.

The Agency of Natural Resources (ANR), Corps of Engineers, or other permitting agency may have additional concerns regarding replacement of this structure, or any channel work. The River Management Engineer should be contacted with respect to those concerns, before a replacement structure is ordered. If ANR requires the invert of the structure to be buried

deeper than specified above, the size of the structure will have to be larger to provide the required waterway area.

Please keep in mind that while a site visit was made, these recommendations were made without the benefit of a survey and are based on limited information. The final decision regarding the replacement of this structure should take into consideration matching the natural channel conditions, the roadway grade, environmental concerns, safety, and other requirements of the site.

Please contact us if you have any questions or if we may be of further assistance.

LGR

cc: Barry Cahoon, A.N.R. River Management Engineer
Hydraulics Project File via NJW
Hydraulics Chrono File

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