


**Town of Acton Recreation Department**

472 Main Street

Acton, MA 01720

Phone: 978-264-9608

Fax: 978-264-9630

Email: [recreation@acton-ma.gov](mailto:recreation@acton-ma.gov)Website: [www.acton-ma.gov](http://www.acton-ma.gov)

Cathy Fochtman, Recreation Director

To: Steve Ledoux, Town Manager

From: Cathy Fochtman, Recreation Director

CC: Tom Tidman, Natural Resources

Date: Oct. 29, 2014

Re: Natural Resources CPA Applications for BOS Consideration

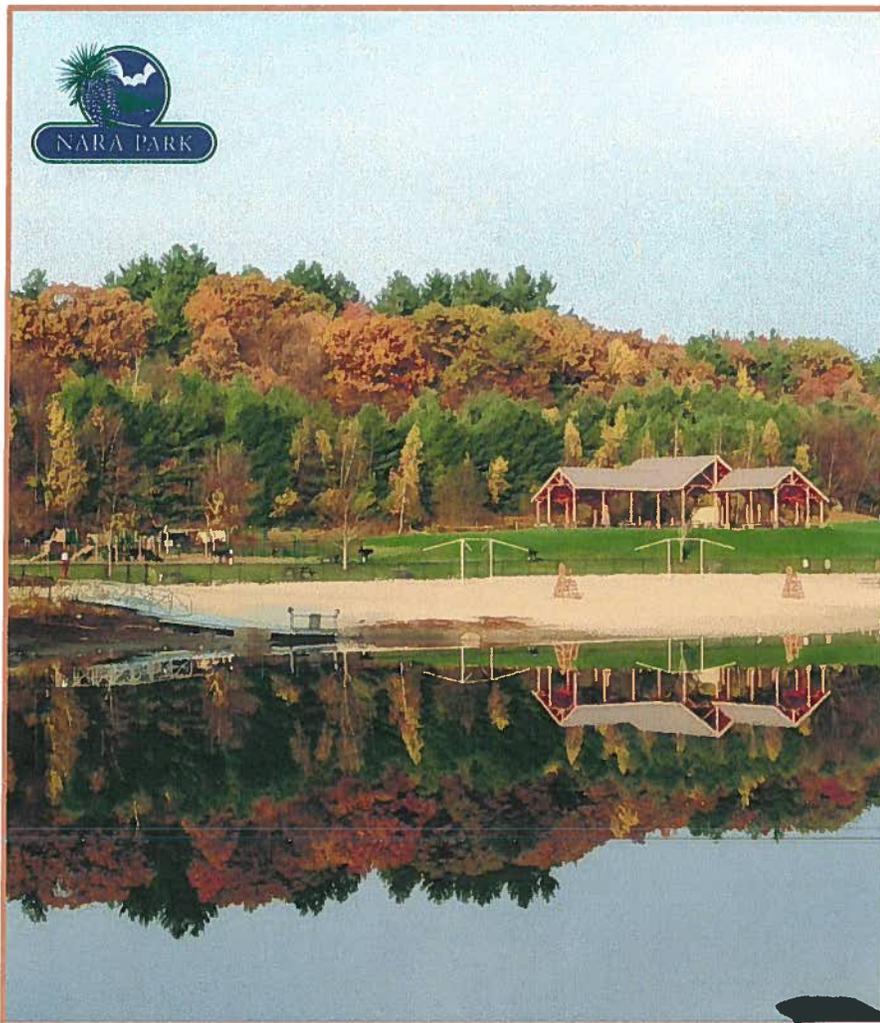
Please find six attached draft CPA applications Natural Resources is submitting for consideration by the Board of Selectmen for Recreation and Conservation projects.

1. NARA Safety Improvements	\$135,000
2. Skate Park Expansion	\$160,000
3. NARA Picnic Pavilion Restroom	\$105,000
4. Irrigation Wells Arboretum & Morrison Farm	\$ 46,498
5. Acton Arboretum Fern Boardwalk Replacement	\$ 24,205
6. Invasive Water Chestnut Plant Removal	\$ 36,000
<b>TOTAL</b>	<b>\$506,703</b>



2015

# NARA Safety Improvements



Draft CPA Application

Town of Acton

10/29/2014

# PROJECT APPLICATION FORM – 2014

**Applicant: Town of Acton**

**Submission Date: 11/17/14**

**Applicant's Address, Phone Number and Email**

**Purpose: (Please select all that apply)**

**Stephen L. Ledoux, Acton Town Manager**

**472 Main Street**

**Acton, MA 01720**

**[sledoux@acton-ma.gov](mailto:sledoux@acton-ma.gov)**

Open Space

Community Housing

Historic Preservation

Recreation

**Town Committee (if applicable): Recreation Commission**

**Project Name: NARA Safety Improvements**

**Project Location/Address: 25 Ledge Rock Way, Acton, MA**

**Amount Requested: \$135,000**

**Project Summary:**

**Estimated Date for Commencement of Project: May 2015**

**Estimated Date for Completion of Project: June 2016**

a. Solar Parking Lot Lighting: Energy Project consisting of 22 solar powered 20' poles mounted with 27 DL-S-50 50 Watt LED lights, distributed between the upper and lower parking lots, and along the interior road connecting the two parking lots. Cost includes purchase of 17 single and 5 double lamp poles, shipping and installation.

NARA is a community gathering place that is heavily used 12 months a year. Lighting would provide safety for patrons returning to parking lots during night time events. This installation would eliminate the ongoing need to rent and provide manpower to set up and break down portable lighting along the trail for night time events. This project is 100% energy efficient and utilizes a clean renewable energy source. The NARA Picnic Pavilion, which features lighted evening events, requires a safe route for patrons to return to their cars in the upper and lower parking lots.

If this project is delayed, we would continue to rent portable lighting units for all of our night time events. A typical rental cost for each portable light unit is \$125.00 per unit, plus the cost of fuel to power them. However, this is impractical for implementing for our growing number of Picnic Pavilion rentals, as it will demand too much manpower to manage. The noise and fumes created by these units would not be welcome at formal events.

b. Interior Road Security Gates: Installation of two Automatic Barrier Gates at the top and bottom of the NARA interior road, which connect the lower and upper parking lots.

There is a need to restrict unauthorized vehicle entrance to the pedestrian walkway that connects the two parking lots, due to speeding vehicles and parking on lawn areas. The gates would allow authorized vehicle passage onto the interior road via keypad code entry. The motivation for our concern is public safety. Safety barriers will aid NARA staff and Town Police with controlling use of the park more effectively. When staff is not present after operating hours, it will curtail abuse of park rules.

In the event this project is delayed, we will experience increased difficulty controlling vehicle access to park sites during operating hours and after hours.

Cost Estimate

a. Solar Panels and Batteries	\$42,940.40	(27) solar panels and batteries
Poles and Lamps	\$35,175.00	(22) 20' Poles @\$1,200 ea. (27) LED Lamps @\$325 ea.
Installation	\$33,000.00	(22) concrete footings @\$1,500 ea.
Subtotal	\$111,115.40	
b. Automatic Barrier Gates	\$16,190.00	
Electrical Installation	\$ 4,000.00	
Subtotal	\$20,190.00	
Total	\$131,305.40	
Contingency	\$ 3,694.60	
<b>Grand Total</b>	<b>\$135,000.00</b>	

Attachments:

- a. Quotations from altE and LED Lighting Solutions (LLS); Photos of similar solar lighting at Chelmsford Center Fire Station at 50 Billerica Rd., Chelmsford, MA.
- b. Quote from Security Construction Services.

# #1 NARA Safety Improvements

Chelmsford Central Fire Station, 50 Billerica Rd.



**NARA Park**  
**25 Ledge Rock Way, Acton 01720**

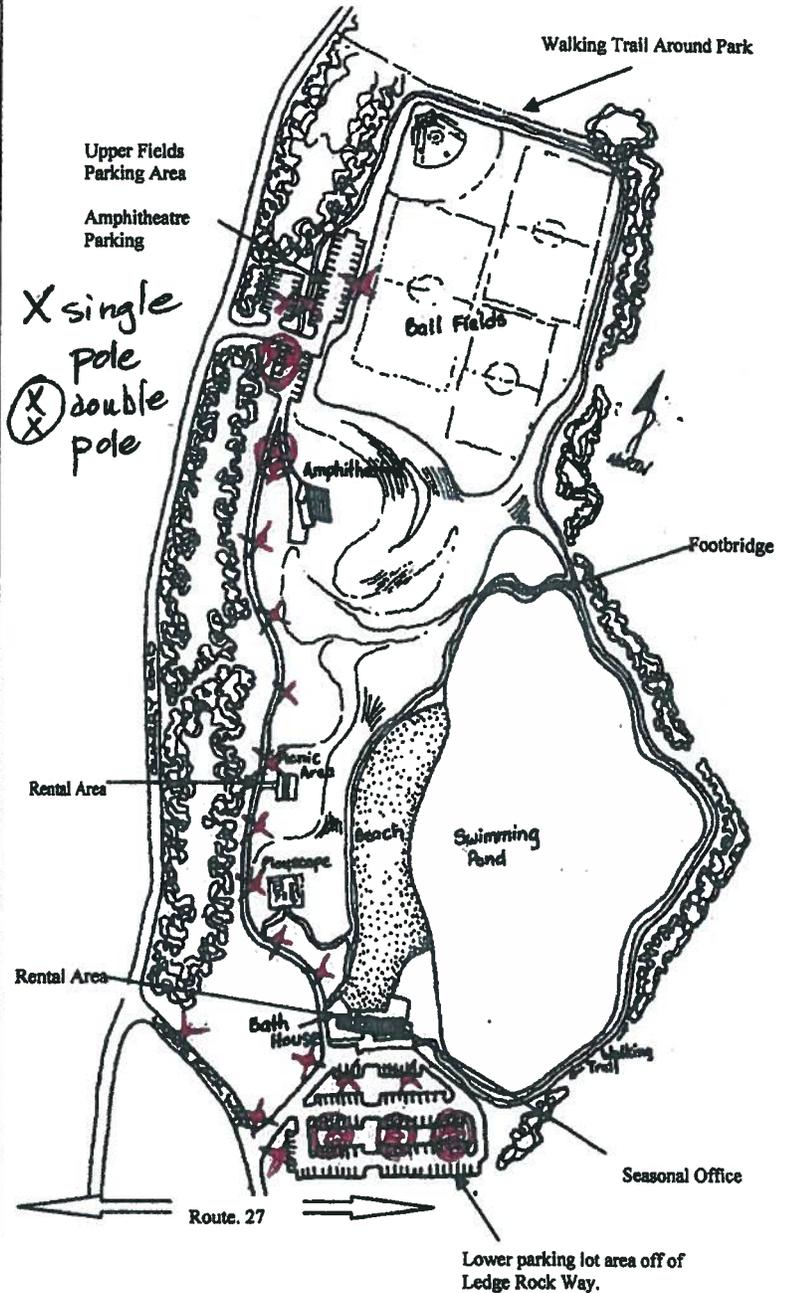
**Directions to get to NARA Park:**

**From 495N** - Take Exit 29A (to Rte 2 East). Take Exit 42 (Rte 27 Acton, Maynard). Take left at end of the ramp. Follow Rte 27. Go straight through 2 sets of lights.

Approximately 9/10th's of a mile from the second set of lights Quarry Road will be located on your left. Go to the end of Quarry Road and when you see the last house on the left, take your next right into the parking lot. If you end up on a dirt road, you've gone too far. Stage will be located to the right.

**From Rte 128** - Take Exit 29 (Rte 2 West). Take Exit 41 (Rte 27 Acton, Maynard). Take right at the end of ramp. Follow Rte 27. Go straight through 2 sets of lights.

Approximately 9/10th's of a mile from the second set of lights Quarry Road will be located on your left. Go to the end of Quarry Road and when you see the last house on the left, take your next right into the parking lot. If you end up on a dirt road, you've gone too far. Stage will be located to the right.



Permits for Field Use, Picnic Area and Bath House Pavilion are available on the Recreation Dept. page of the Town website: [www.acton-ma.gov](http://www.acton-ma.gov)

This form must be completed for all permit and picnic requests for NARA Park and all other Town areas on the Acton Facilities Table, listed on the previous page. All requests are subject to a two-week processing period once received.



making renewable do-able™

330 Codman Hill Rd  
 Boxborough, MA 01719 USA  
 Toll Free: +1(877) 878-4060  
 Direct: +1(978) 562-5858  
 Fax: +1(978) 263-7081  
 altEstore.com

SALES QUOTE	
SQ-166318	9/26/2014

Customer	Contact	Ship To
Town of Acton Recreation Department Maura Haberman 33 NAGOG PARK DRIVE ACTON MA 01720 Tel: (978)-929-6640 Fax: (978)-929-6340		Town of Acton Recreation Department Maura Haberman 33 NAGOG PARK DRIVE ACTON MA 01720 Tel: (978)-929-6640 Fax: (978)-929-6340

Account	Terms	Due Date	Account Rep	Schedule Date	
92100	CREDIT CARD	9/26/2014	Adam DiSchino	9/26/2014	
Quotation	Reference	PO #	Ship VIA	Page	Printed
SQ-166318			TRUCK FREIGHT	1	10/7/2014 11:24:17AM

L	Item	Description	Qty	Price	UM	Discount	Amount
1		<i>Lighting Setup: 2 Groups of Lights - 6 At the Lower Parking Lot 6 at the Upper Parking Lot. Each light is 50W, to be run from dusk to midnight. Lights are to be mounted on poles, either 12' or 15' high, and will have the solar panel mounted on top. Battery box will hold batteries, timer and lighting/charge controller, mounted to pole. Poles to be mounted to a concrete foodpad, specs provided.</i>					
2		<i>Solar Panels</i>					
3							
4	CSI305-CS6X305P	CS6X-305P 305W, 24V Poly Module	27	\$299.00	EA		\$8,073.00
5	PVCMC4-MF-50FT	50' MC4 Connector Extension #10 AWG	27	\$48.23	EA		\$1,302.21
6	GENMC4KEY	Key for MC Solarline 4 Locking Connector	3	\$11.06	EA		\$33.18
7							
8		<i>Top of Pole Mount</i>					
9	DPW-TPM	DPW Top of Pole Mount - TPM1-H-Canadian Solar CS6X-300-310P-3IN	17	\$140.00	EA		\$2,380.00
10	DPW-TPM	DPW Top of Pole Mounts - TPM2-H-Canadian Solar CS6X-300-310P-3IN	5	\$285.00	EA		\$1,425.00
11							
12		<i>Circuit Breaker - 1 Before and 1 after the charge controller.</i>					
13	ALTCB10	CB10 10 AMP, (UP TO) 24 VOLT DC BREAKER	54	\$15.08	EA		\$814.32
14							
15							

NOTE: 1) The prices on this quote are valid for only 7 days. Because of volatility of solar panel pricing, prices on solar panels cannot be guaranteed for more than 24 hours. 2) It is the responsibility of the installer and the person requesting this quote to verify that the listed components on this quote will work for the actual installation conditions, required project specifications and any applicable safety codes. Neither altE nor any of its employees has visited the site or personally assessed actual renewable energy system design requirements, and neither altE nor any of its employees is liable or responsible for the listed components, design, installation, energy production, code compliance, and all other matters related to the system.	Page	1
	Sub Total	\$14,027.71



making renewable do-able™

330 Codman Hill Rd  
Boxborough, MA 01719 USA

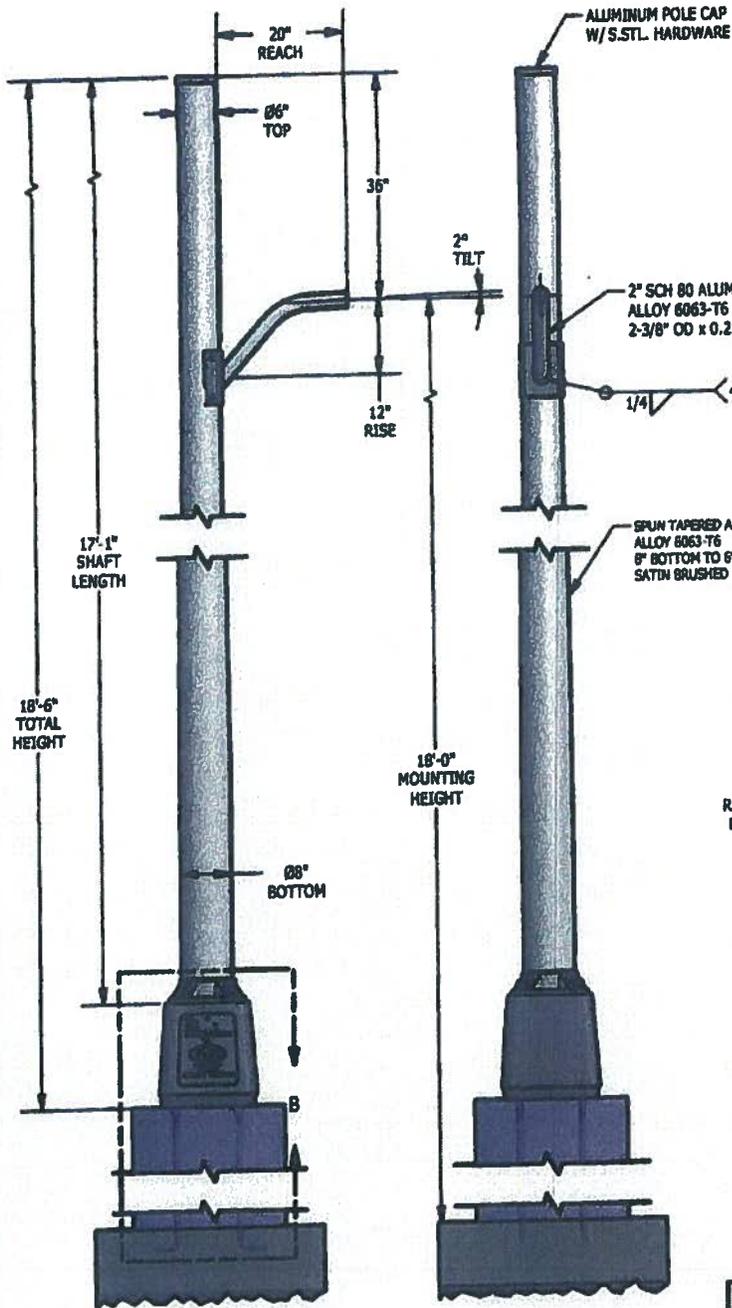
Toll Free: +1(877) 878-4060  
Direct: +1(978) 562-5858  
Fax: +1(978) 263-7081  
altEstore.com

**SALES QUOTE**

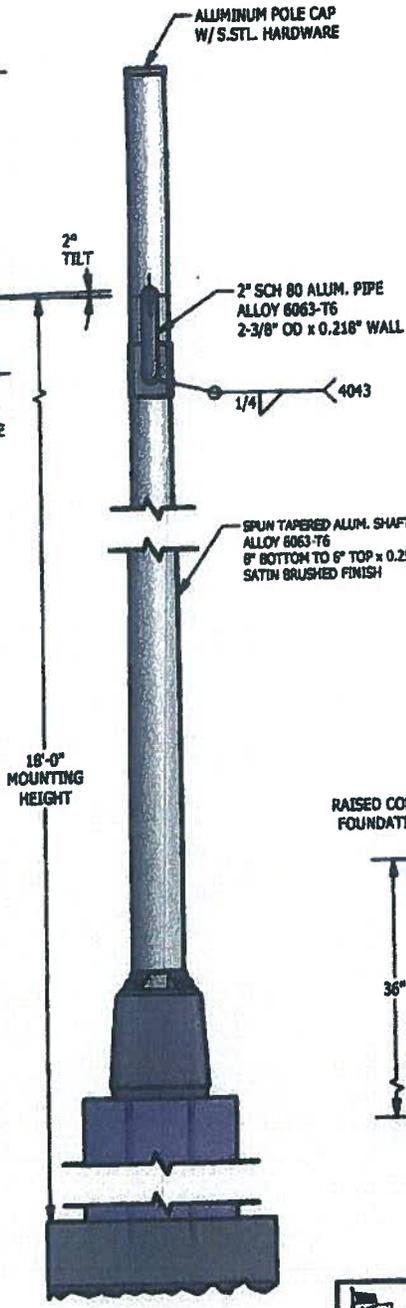
SQ-166318

9/26/2014

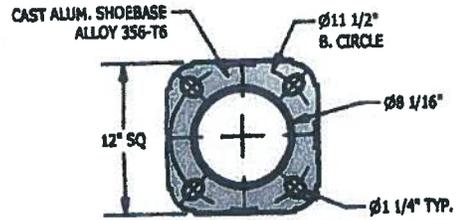
Customer		Contact	Ship To				
Town of Acton Recreation Department Maura Haberman 33 NAGOG PARK DRIVE ACTON MA 01720 Tel: (978)-929-6640 Fax: (978)-929-6340			Town of Acton Recreation Department Maura Haberman 33 NAGOG PARK DRIVE ACTON MA 01720 Tel: (978)-929-6640 Fax: (978)-929-6340				
Account	Terms	Due Date	Account Rep	Schedule Date			
92100	CREDIT CARD	9/26/2014	Adam DiSchino	9/26/2014			
Quotation	Reference	PO #	Ship VIA	Page			
SQ-166318			TRUCK FREIGHT	2			
L	Item	Description	Qty	Price	UM	Discount	Amount
16		<i>Battery Bank - 2 Batteries per pole, wired in series for 24V. 3 Days of Autonomy.</i>					
17	UNVUB121350	UB121350 12V 135AH (20HR) SEALED AGM	54	\$333.46	EA		\$18,006.84
18	ALTBC-2/0-8B	Battery Interconnect Cable, 2/0 8", Black	27	\$11.06	EA		\$298.62
19							
20		<i>Battery Box</i>					
21	SUWE2-250	E2-250 2 Battery Enclosure, Screw Cover	27	\$242.21	EA		\$6,539.67
22	SUWE-BKTSET	Economy Mounting Brackets 2 to 8" Pole	27	\$42.21	EA		\$1,139.67
23							
24		<i>Digital Timer &amp; Lighting Controller</i>					
25	DIE24VDCTIMER	Diehl Digital Timer 24VDC	27	\$77.39	EA		\$2,089.53
26	MORSL-10-24-LVD	SunLight SL-10L-24V 10A with LVD	27	\$84.42	EA		\$2,279.34
27							
28							
29	SH	SHIPPING & HANDLING - Balance of System excluding lights and batteries	1	\$350.00	EA		\$350.00
		Customer Pickup from our Warehouse in Boxborough also an option.					
30	SH	SHIPPING & HANDLING - Batteries - Batteries at the quantity would ship free.	1	\$0.00	EA		\$0.00
31	SH	SHIPPING & HANDLING - Top of Pole Mounts - TBD	1	\$650.00	EA		\$650.00
32							
33	DISCOUNT	DISCOUNT	1	\$-2,440.98	EA		\$-2,440.98
NOTE: 1) The prices on this quote are valid for only 7 days. Because of volatility of solar panel pricing, prices on solar panels cannot be guaranteed for more than 24 hours. 2) It is the responsibility of the installer and the person requesting this quote to verify that the listed components on this quote will work for the actual installation conditions, required project specifications and any applicable safety codes. Neither altE nor any of its employees has visited the site or personally assessed actual renewable energy system design requirements, and neither altE nor any of its employees is liable or responsible for the listed components, design, installation, energy production, code compliance, and all other matters related to the system.			Tax Details EXMPT \$0.000		Taxable		\$0.00
					Total Tax Exempt Total		\$0.00 \$42,940.40 \$42,940.40
					Balance		\$42,940.40



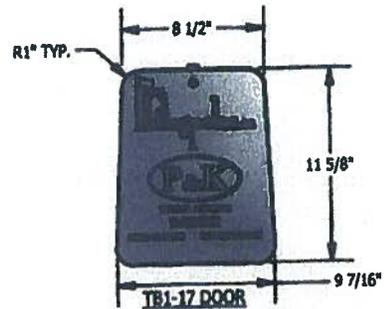
**SIDE ELEVATION VIEW**  
SCALE 0.0375:1



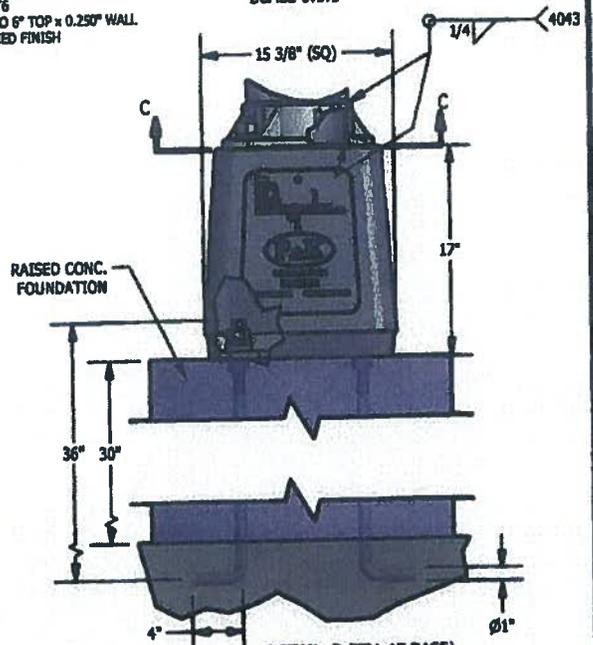
**FRONT ELEVATION VIEW**  
SCALE 0.0375:1



**SECTION C-C (SHOEBASE)**  
SCALE 0.075 : 1



**TBI-17 DOOR**  
SCALE 0.1:1



**DETAIL B (TBI-17 BASE)**  
SCALE 0.075 : 1

ASTM F1554GR55, TOP 10\"/>

		95 GNARLED HOLLOW RD. EAST BETAUKEET, N.Y. 11733	
<b>PROJECT: SOLAR POLES</b>		<b>DIST: ELECTRICAL WHOLESALE</b>	
<b>CONTRACTOR: N/A</b>		<b>AGENT: N/A</b>	
<b>DRAWN BY:</b> TJG	<b>DATE:</b> 7/30/2012	<b>MATERIAL:</b> AS NOTED	
<b>CHK'D BY:</b>	<b>APP'D:</b>	<b>DRAWING #:</b>	
<b>SCALE:</b> AS NOTED	<b>WORK ORDER #:</b>	<b>11750R1</b>	



FUSS & O'NEILL

Prepared By

SH

Date

8-17-12

Checked By

Date

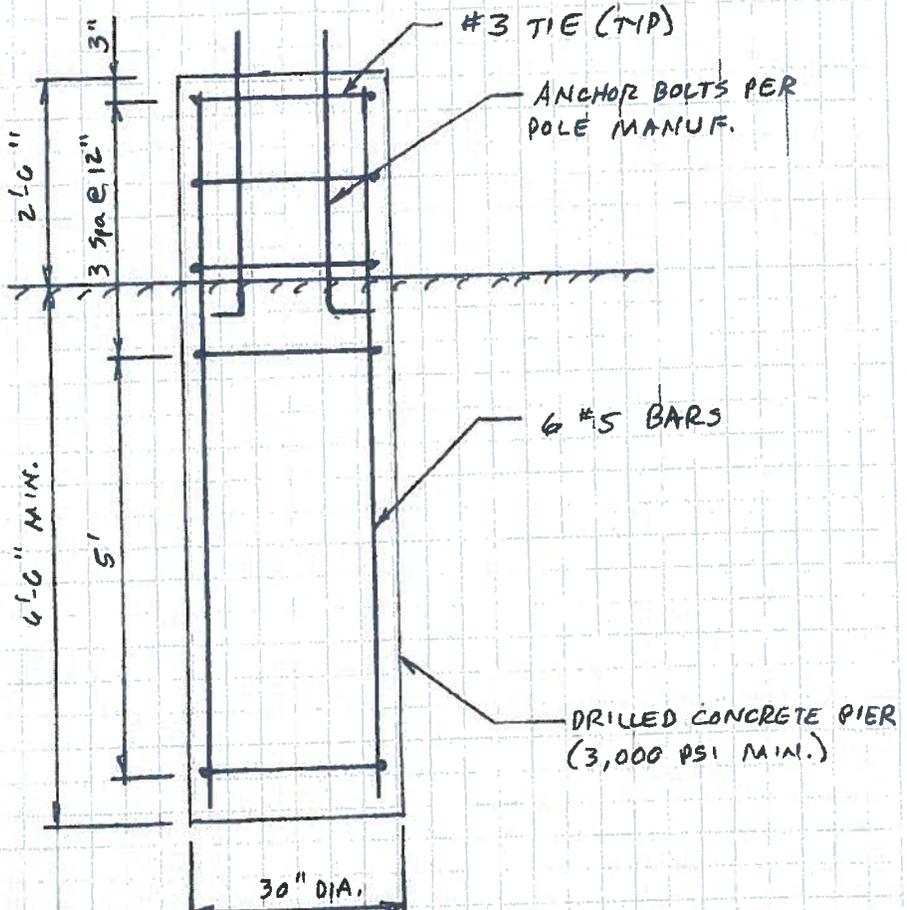
Project No

20121243.410

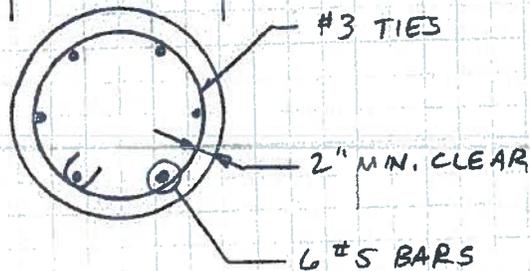
Sheet No

1 of 1

### FOUNDATION FOR 18 FT. SOLAR LIGHT POLES



**Note: Include (2) conduit sleeves for grounding**





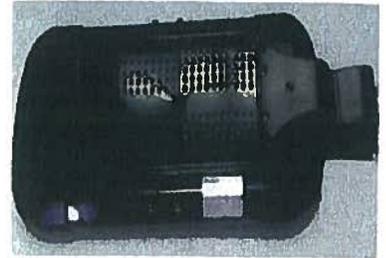
PROJECT	NOTES
CATALOG NO.	

Rev. 11/18/13

## DL-S LED SITE LUMINAIRE

### DESCRIPTION

The Daylight **S** series is a brilliant LED site and roadway luminaire that combines cutting edge optics and thermal management, with architectural flare, and function. These high performance site and roadway luminaires can meet standards no others can, while providing unmatched energy savings of up to 90%. These lights are optimal for commercial, industrial, retail, schools, and municipal facilities where aesthetics, performance, and durability are a must. This design allows for pole and surface mount installations, and easily replaces 70-1,000W HPS or Metal Halide systems.



SSL DESIGNLIGHTS  
CONSORTIUM



### CHARACTERISTICS

**Optical:** 100-115\* lm/Watt, 2700K-6000K, CRI 70 (patent pending optics)

**Electrical:** 120 -277V, 347V, or 480V @ 700 mA, 20 to 300w models available

**Mechanical:** Aluminum housing, 12" W x 13-30" L by 2 1/4" high, powder coated

**Certifications/Ratings:** CETL/CUL, ROHS, IP65 rated, DLC Listed

**Reliability:** "EncapsLED" heat sink for superior cooling and durability (patent pending)

**Warranty:** 5 years

**Options:** Dimming (D); Motion Sensor (M); Twist Lock (T)

### PERFORMANCE

Model #	System Wattage	5,000k Lumens	Model #	System Wattage	5,000k Lumens
DL-S-20w	23	2,300	DL-S-160w	172	17,200
DL-S-30w	33	3,300	DL-S-170w	182	18,200
DL-S-40w	44	4,400	DL-S-180w	193	19,300
DL-S-50w	54	5,400	DL-S-190w	203	20,300
DL-S-60w	65	6,500	DL-S-200w	214	21,400
DL-S-70w	75	7,600	DL-S-210w	224	22,400
DL-S-80w	86	8,600	DL-S-220w	235	23,500
DL-S-90w	96	9,600	DL-S-230w	245	24,500
DL-S-100w	107	10,700	DL-S-240w	256	25,600
DL-S-110w	117	11,700	DL-S-250w	266	26,600
DL-S-120w	128	12,800	DL-S-260w	277	27,700
DL-S-130w	138	13,800	DL-S-270w	287	28,700
DL-S-140w	149	14,900	DL-S-280w	298	29,800
DL-S-150w	161	16,100	DL-S-300w	319	31,900



USA Made



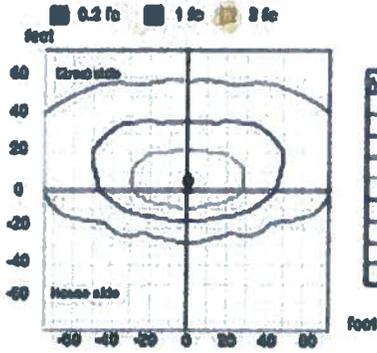
\*Premium edition

For ordering or technical inquiries, contact:  
[Tom@LLSLight.com](mailto:Tom@LLSLight.com), 860.770.6023



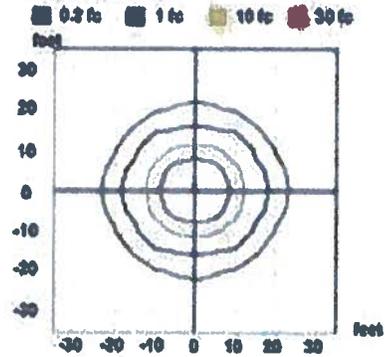
**DISTRIBUTION DIAGRAMS (120W)**

**Type 3**

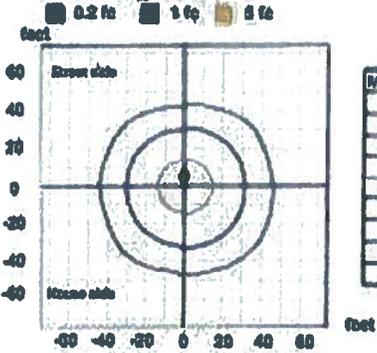


Mounting height (ft)	Multiplier
10	6.250
15	2.778
20	1.563
25	1.000
30	0.694
35	0.510
40	0.393
45	0.303
50	0.230

**Type 5N (50 degrees)**

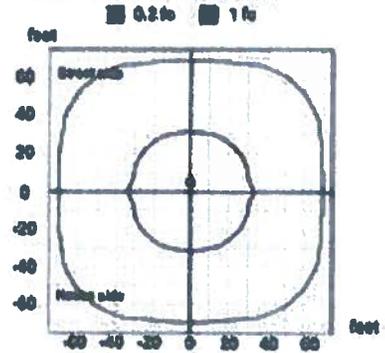


**Type 5R (100 degrees)**



Mounting height (ft)	Multiplier
10	6.250
15	2.778
20	1.563
25	1.000
30	0.694
35	0.510
40	0.393
45	0.303
50	0.230

**Type 5W (130 degrees)**



**Example: Replacement of 250w HPS/MH  
Type 3 distribution**



**250w HPS  
(296 system watts)**



**DL-S-50w  
(54 system watts)**

**VS**

For ordering or technical inquiries, contact:  
[Tom@LLSLight.com](mailto:Tom@LLSLight.com), 860.770.6023



## MOUNTING BRACKETS

**D – Direct End**  
To square pole or wall



**S-Slipfitter**  
To 2" tanon

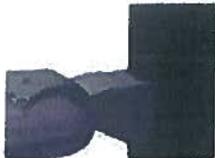


**C-Conduit**  
To 3/2" conduit/surface



## ADAPTORS

**AD1**  
Direct to round pole



**AS1**  
Slipfit to wall/square pole



**AS2**  
Slipfit to round pole



## ORDERING INFO

Model#	Mount	Adaptor	Color Temp	Distribution Type	Finish	Options	Voltage
<b>DL-S-wattage</b> (20 – 300w)	<i>Direct (D)</i>	<i>AD1-Direct to Round</i>	2,700-6000k	3 5n 5r 5w	<i>White</i> <i>Bronze</i> <i>Black</i> <i>Silver</i>	N - None P - Photocell D – Dimming S-Smart	120-277V 347-480V
	<i>Slipfit (S)</i>	<i>AS1-Slipfit to Square</i>					
	<i>Slipfit Top (ST)</i>	<i>AS2-Slipfit to round</i>					
	<i>Conduit (C)</i>						
<b>Example: DL-S-120w-S-5000-5r-BR-N-277v</b>							

For ordering or technical inquiries, contact:  
[Tom@LLSLight.com](mailto:Tom@LLSLight.com), 860.770.6023



# Security Construction Services / Security Fence Company



59 Apsley St. Hudson, MA 01749  
Phone: 978-562-0770 Fax: 978-562-0720  
DBE; WBE Certified  
WBENC Certified  
DCAM Certified



Proposal Date: 09/26/14

## Automatic Barrier Gate

**PROJECT:** Town of Acton Recreation Department

**LOCATION:** 25 Ledge Rock Way Acton, MA.

We are pleased to submit this proposal to provide material and labor to install Barrier gates for the above referenced project as described in the scope of work below.

Scope of work included in price:

	<u>Totals</u>
<b>Doorking 1601-081 Barrier Gates</b>	
(2) Doorking Barrier gate operator	\$ 16,190.00
(2) Doorking 1601-240 wood arm hardware kit	
(2) Doorking wood arm, 14 ft	
(2) Doorking heater kit	
(4) Doorking single channel plug-in syyle loop detector	
Linear AK-11 digital Keypad	
(2) Doorking 1200-45 standard gooseneck,pad mounted	
Price includes footing for operator and gooseneck	

**Notes:** Site visit will be required prior to execution of work.  
Quote is good for 30 days

### Assumptions/ Exclusions:

- Pricing assumes digging and pouring concrete footings in earth.
- Dirt or rocks unearthed from excavated holes to be spread on site. Removal, if required, by others.
- Owner/ GC responsible for staking fence layout prior to install and pulling of any permits.
- Pricing does not include costs associated with digging/ drilling thru ledge or concrete; additional charges will apply depending on degree and quantity of ledge or concrete present
- Electrical work, trenching, conduit work, pulling wire, grounding and electrical permit by others.
- Loam and seed by others.

Respectfully Submitted,

Erik Johnson  
Operations Manager  
Security Fence Company Commercial Division

**Please read, sign and date upon accepting this proposal, it's terms and conditions**

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date



# 1601 PARKING CONTROL BARRIER GATE OPERATOR

• COMMERCIAL • INDUSTRIAL



- Designed for single lane (14 feet maximum) vehicular control in high traffic applications
- Electronic limit settings
- Operators are designed so that they can be mounted on either the left or right hand side of the roadway
- Available with a 14 foot aluminum or wood arm, or 12 foot plastic arm. A folding arm kit can be added for low headroom applications
- 5-year limited warranty



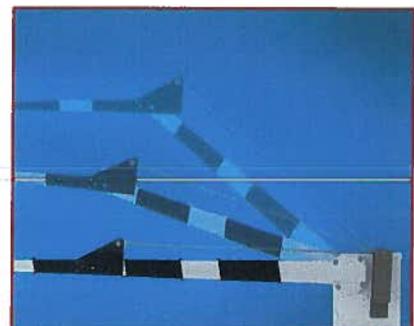
**automatic p.a.m.s.**  
sequencing with slide and swing gates



**barrier arms**  
available in aluminum/wood or plastic  
with optional foam padding



**fan/heater kits**  
options available for extreme weather



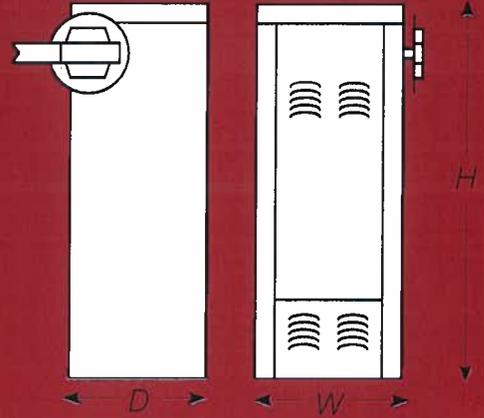
**folding arm**  
kits available for low headroom applications

ACCESS CONTROL SOLUTIONS

# 1601 PARKING CONTROL BARRIER GATE OPERATOR

## 1601 1/2 HP

15.25" W x 39.5" H x 14.75" D (38.7cm W x 100.3cm H x 37.5cm D)



	CLASS OF OPERATION	MAX ARM LENGTH *	TYPE	MOTOR	INPUT	OPTIONS
<b>1601</b>	II, III, IV	12 Ft (3.6 m) 14 Ft (4.3 m) 14 Ft (4.3 m)	Plastic Wood Aluminum	1/2HP Continuous Duty AC Motor	115 VAC, 60 HZ, 5.4A 230 VAC, 60 HZ, 2.7A* 460 VAC, 60 HZ, 1.4A*	Convenience Open Package † Heater and Fan Kits Folding Arm Kits

\* These operators use a step-down transformer to achieve 115 VAC operating voltage.

† Optional factory installed DC powered drive system provides an automatic method to open the gate when primary (AC) power fails

## Technical Features

### Mechanical

Primary Reduction is provided by a 40:1 worm gear reduction system running in a continuous oil bath

Arm rotates 90° in approximately 1.5 seconds

G90 galvanized steel housing, painted white

Fail-secure mechanical release method

Left- or right-hand mount

360° gear box rotation before the motor changes direction. This provides for smooth operation, evens wear across the entire gear-box, and increases the life span of the operator

### Electrical

Magnetic electronic limit controls

Auto-close timer 1-23 seconds

P.A.M.S. (Perimeter Access Management System) sequence with a slide or swing gate operator

Up input memory buffer

Down memory option

Multiple up commands

Port for plug-in open (up) detector

Port for plug-in reverse (down) detector

Ports for plug-in loop detectors

Programming switches

Built-in power On/Off switch

Gate Tracker™ reporting output provides operator data to access control system (DKS 1833, 1835, 1837 or 1838 only)

### Miscellaneous

Environmental: 10°F to 140°F (-12°C to 62°C)

Thermostatically controlled heater kit recommended for colder environments

Shipping weight approximately 140-160 Lbs (63-72 kg)  
Arm kit: 15 Lbs (7 kg)



Access Control Solutions since 1948

MEMBER:



**DOORING, INC.**

120 Glasgow Avenue, Inglewood, California 90301 U.S.A.  
Tel: 310-645-0023 FAX: 310-641-1586 www.dooring.com

© 2012 All Rights Reserved. Product specifications may change without notice.  
Rev.11/12

Distributed by:

# 2015



## Skatepark Expansion – Phase 2, Skate Plaza



Draft CPA Application

Town of Acton

10/29/2014

# PROJECT APPLICATION FORM – 2015

**Applicant: Town of Acton**

**Submission Date: 11/17/14**

**Applicant's Address, Phone Number and Email**

**Purpose: (Please select all that apply)**

**Stephen L. Ledoux, Acton Town Manager**

**472 Main Street**

**Acton, MA 01720**

**[sledoux@acton-ma.gov](mailto:sledoux@acton-ma.gov)**

Open Space

Community Housing

Historic Preservation

Recreation

**Town Committee (if applicable): Recreation Commission**

**Project Name: Skatepark Expansion – Phase 2, Skate Plaza**

**Project Location/Address: 66 Hayward Rd., Acton, MA**

**Amount Requested: \$160,000**

**Project Summary:**

**Estimated Date for Commencement of Project: August 2015**

**Estimated Date for Completion of Project: October 2015**

The Natural Resources Department has recently approved the T.J. O'Grady Skate Park Expansion Design by Action Sports Design/Stantec, and a two-phased construction plan has emerged. Phase 1, the construction of a skate bowl, is being prepared to go out to bid. It was funded by a 2012 Town of Acton CPA Skate Bowl grant for \$210,000. This Phase 1 project included the construction of 11 parking spaces and infrastructure improvements for \$110,000 in the Lower Fields parking area, in tandem with the opening of the Lower Fields facility. The remaining funds will construct the skate bowl.

Phase 2, construction of the skate plaza, converts the barren 100' x 100' area remaining after the removal of the original Skate Park parking lot due to the construction of the Lower Fields driveway from Hayward Rd. onto the school grounds. It provides an attractive formal entrance to the skate complex, a viewing area for onlookers and handicap accessible park amenities for Skate Park and Lower Fields patrons. It features a world-class triangular skating course around a bio-retention area.

With the completion of Phase 1, the skate bowl installation, Phase 2 will complete the full expansion of the Skate Park, as designed by ASD/Stantec, a \$15,000 engineered design paid for with Recreation funds.

If the project is not funded, an incomplete town skateboarding facility next to ABRHS & FOLF's cutting edge Lower Fields facility will remain. This upgrade will bring our skate park to equal footing, in keeping with the Lower Fields, which shares the parking area with the Skate Park.

Cost Estimate for Skate Park Expansion Design from ASD/Stantec:

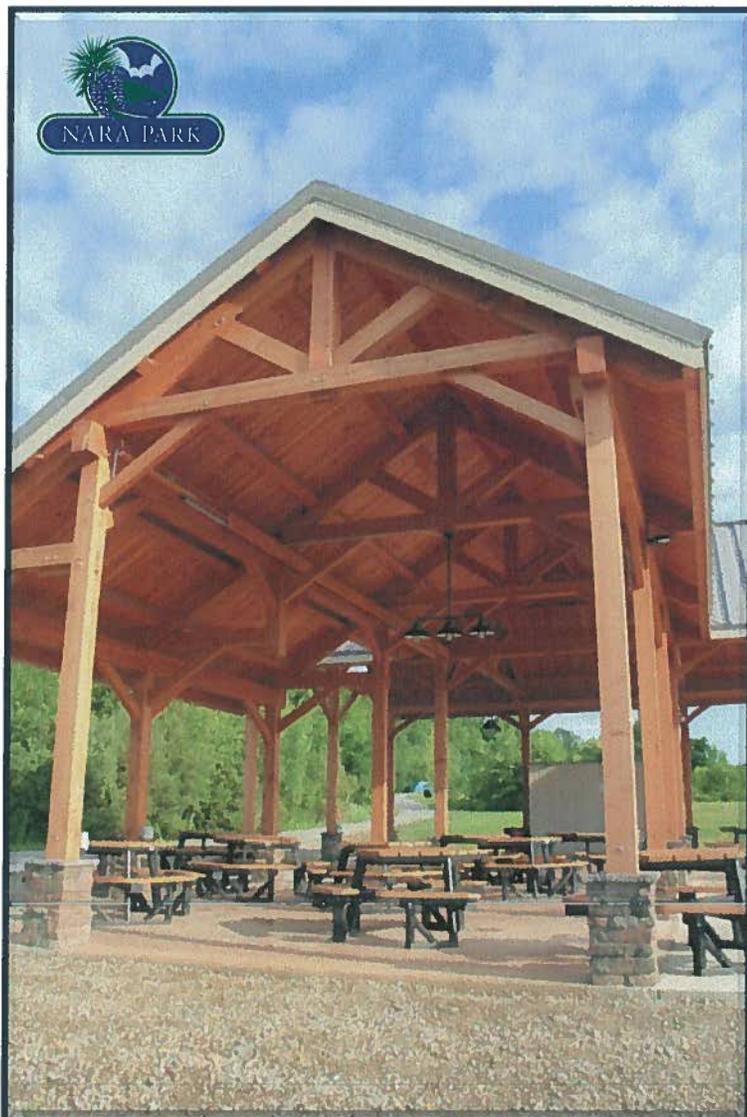
- 1,730 S.F Bowl Section - \$ 70,000 PHASE 1 - currently going out to bid
- 4,000 S.F. Plaza Section - \$160,000 PHASE 2 - applying for 2015 CPA funding

Leveraged funds: The Recreation Department paid for the \$15,000 overall design engineered by ASD/Stantec. In addition, Skate Park users have offered to fundraise and other stakeholders are being approached.

# 2015



## NARA Picnic Pavilion Restroom



Draft CPA Application

Town of Acton

10/29/2014

# PROJECT APPLICATION FORM – 2014

**Applicant: Town of Acton**

**Submission Date: 11/17/14**

**Applicant's Address, Phone Number and Email**

**Purpose: (Please select all that apply)**

Stephen L. Ledoux, Acton Town Manager  
472 Main Street  
Acton, MA 01720  
[sledoux@acton-ma.gov](mailto:sledoux@acton-ma.gov)

- Open Space
- Community Housing
- Historic Preservation
- Recreation

**Town Committee (if applicable): Recreation Commission**

**Project Name: NARA Picnic Pavilion Restroom**

**Project Location/Address: 25 Ledge Rock Way, Acton, MA**

**Amount Requested: \$105,000**

**Project Summary:**

**Estimated Date for Commencement of Project: September 2015**

**Estimated Date for Completion of Project: July 2016**

Installation of a modular 2-stall handicap accessible restroom across from the NARA Picnic Pavilion. Restrooms will be connected to the existing septic system at the Bathhouse.

The Picnic Pavilion is attracting large formal events to the park, such as weddings, reunions and company outings. Our experience to date shows that it is inconvenient for guests to use portable toilets or walk a distance to the Bathhouse bathrooms, especially in rainy weather. A basic restroom across from Picnic Pavilion would be an added amenity and convenience to offer our patrons.

If this project is not funded, Park patrons would continue to rent portable toilets for events or pay to keep the Bathhouse bathrooms open and staffed. This expanded amenity for patrons will address complaints from patrons about the lack of bathroom availability.

Modular Unit, including installation	\$60,000
Concrete Slab	\$10,000
Utilities	\$15,000
Septic Line and Connection	\$20,000
<b>Total</b>	<b>\$105,000</b>

Romtec Conventional Modular Bathroom





**2015**

# **Irrigation Wells Acton Arboretum & Morrison Farm**



Draft CPA Application

Town of Acton

10/29/2014

# PROJECT APPLICATION FORM – 2015

---

**Applicant:** Town of Acton

**Submission Date:** 11/17/14

**Applicant's Address, Phone Number and Email**

**Purpose: (Please select all that apply)**

Stephen L. Ledoux, Acton Town Manager

472 Main Street

Acton, MA 01720

[sledoux@acton-ma.gov](mailto:sledoux@acton-ma.gov)

Open Space

Community Housing

Historic Preservation

Recreation

**Town Committee (if applicable):** Conservation Commission

**Project Name:** Irrigation Wells at Acton Arboretum and Morrison Farm

**Project Location/Address:** 2 Taylor Rd., Acton, MA and 116 Concord Rd., Acton MA

**Amount Requested:** \$46,498.00

**Project Summary:**

**Estimated Date for Commencement of Project:** August 2015

**Estimated Date for Completion of Project:** October 2015

The Acton Water District and the Municipal Properties Department would like Morrison Farm and the Acton Arboretum to have their own water supply, rather than use Town water. The Acton Arboretum system has been shut down for 2 years due to a leak. The expected life span for the service is 50 years.

**Leveraged funds:** Friends of the Acton Arboretum will contribute \$1,000; Morrison Farm community gardeners may contribute; Acton Water District may contribute.

**Costs:** electrical service, NSTAR pole and meter socket, drilled water well, pump and irrigation installation = \$23,249 per site; for a **total of \$46,498.**

**2015**



## **Acton Arboretum Fern Boardwalk Replacement**



Draft CPA Application

Town of Acton

10/29/2014

# PROJECT APPLICATION FORM – 2015

---

**Applicant: Town of Acton**

**Submission Date: 11/17/14**

**Applicant's Address, Phone Number and Email**

**Purpose: (Please select all that apply)**

**Stephen L. Ledoux, Acton Town Manager**

**472 Main Street**

**Acton, MA 01720**

**[sledoux@acton-ma.gov](mailto:sledoux@acton-ma.gov)**

- Open Space
- Community Housing
- Historic Preservation
- Recreation

**Town Committee (if applicable): Conservation Commission**

---

**Project Name: Acton Arboretum Fern Boardwalk Replacement**

---

**Project Location/Address: 2 Taylor Rd., Acton, MA**

---

**Amount Requested: \$24,205.00**

---

**Project Summary:**

**Estimated Date for Commencement of Project: September 2015**

---

**Estimated Date for Completion of Project: November 2015**

---

This is the last, wooden boardwalk to be replaced in the Arboretum in 3 years with CPA funds; each boardwalk over 20 years old. Expected life span of completed project: 30 years. Currently the 140' long fern boardwalk is part of an accessible trail system. It is rotting, sagging and becoming unsafe. It is necessary to remove a large, dying maple tree hanging over the boardwalk. Project includes removing 13 Norway maples along the trail. After trees are removed, a birch collection will be installed, improving forest biodiversity.

**Leveraged funds:** The Friends of the Acton Arboretum have pledged \$1,000; NR crew contribute time and labor; local tree company donating \$500.

**Total cost: \$24,205.00**

**Attachment:** A quotation for a similar project from Fred's Construction.

**Fred's Construction Services**

Fred Giver  
 2 Fairfield Street  
 Maynard, MA 01754

**Estimate**

Date	Estimate #
11/20/2012	041

Name / Address
Town Of Acton 172 Main Street Acton Ma 01726

Project
Asphalt Walkway

Description	Total
Painting materials for 145' of walkway. Pressure washed materials to be used.	11,760.00
Framing labor to frame new boardwalk using existing footings and adding any necessary footings if needed.	0,375.00
Dumpster fee for existing debris to be removed and disposal of by union.	0.00
<p>THIS IS A GENERAL ESTIMATE BASED ON STANDARD MATERIAL SELECTION / APPROVAL BY BUILDING DEPARTMENT. FINAL DESIGN AND MATERIALS TO BE DETERMINED BY THE CLIENT. THIS ESTIMATE IS VALID FOR 30 DAYS.</p> <p>Material handling not included (to be determined)</p>	

If you have any questions call me at 978-527-9850.  
 Thank You!

**Total**

\$12,135.00

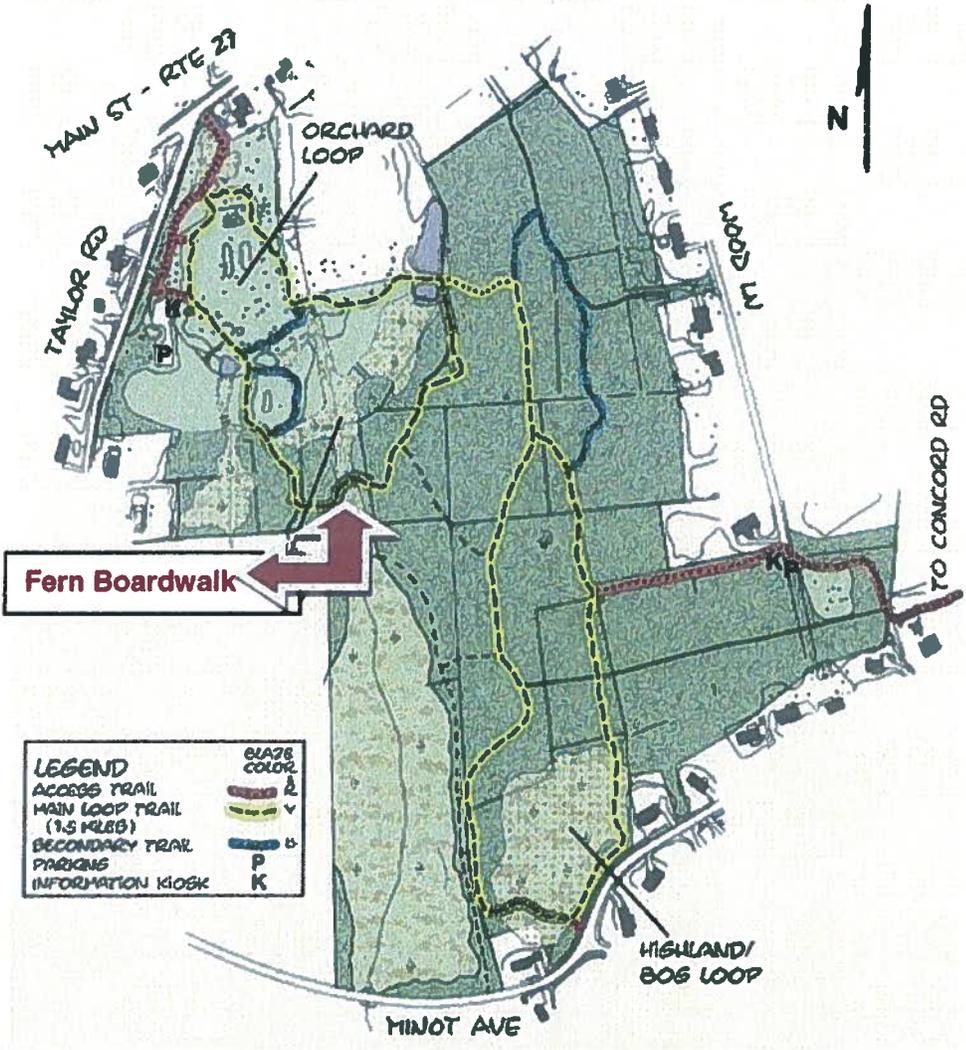
E-mail	Web Site	Terms
Fred@fredgiver.net	www.FredsConstructionServices.com	Due upon completion.

**Photo below is of newly constructed wildflower boardwalk, which is the exact type of construction that new fern boardwalk currently being requested will use.**



Location of Project

**ACTON ARBORETUM**





# 2015

## Invasive Water Chestnut Plant Removal



Draft CPA Application

Town of Acton

10/29/2014

# PROJECT APPLICATION FORM – 2015

**Applicant: Town of Acton**

**Submission Date: 11/17/14**

**Applicant's Address, Phone Number and Email**

**Purpose: (Please select all that apply)**

**Stephen L. Ledoux, Acton Town Manager**  
**472 Main Street**  
**Acton, MA 01720**  
[sledoux@acton-ma.gov](mailto:sledoux@acton-ma.gov)

- Open Space
- Community Housing
- Historic Preservation
- Recreation

**Town Committee (if applicable): Conservation Commission**

**Project Name: Invasive Chestnut Plant Removal**

**Project Location/Address: Ice House Pond, Concord Rd., Acton, MA**

**Amount Requested: \$36,000**

**Project Summary:**

**Estimated Date for Commencement of Project: August 2015**

**Estimated Date for Completion of Project: August 2017**

Two impounded sections of Nashoba Brook in Acton are Ice House Pond and Robbins Mill Pond. Both sites have scenic, recreational, and ecological benefits. One of the two ponds is within a listed NHESP Endangered Species Habitat. Water Chestnut (*Trapa natans*) is both covering the surface and building up detritus on the bottoms of the waterways. Without annual intervention, these ecosystems will evolve into land. The volunteer process to remove plants by hand for 4 years has proven enormously labor intensive.

Hiring an environmental company to launch a mechanical harvester at each site will cost \$12,000 per year. Process must be done for 3 years in a row, in addition to volunteer hand-pulling. That will keep ponds clear for 7 years.

**Total cost: \$36,000.00**

**Leveraged funding:** Volunteer and the NR Department will contribute labor and materials to assist by hand-pulling. Total life span for investment: 10 years.

**LYCOTT ENVIRONMENTAL**

Lycott Environmental, Inc.  
21 West Main St  
Spencer, MA 01562  
Phone: 800-462-8211  
508-885-0101

Home | Our Services | Resources | Plant Guide | Labels | News | About Us | Careers | Contact Us

Weed Control friendly to the environment of lakes and ponds.

- Permitting & Survey
- Aquatic Weed Control
- Mechanical and Manual Weed
- Hydroraking
- Harvesting
- Benthic Barriers
- Herbicides and Algaecides
- Wetlands Restoration and
- Terrestrial Weed Control
- Lake Level Management and Drawdown

**Mechanical and Manual Weed Harvesting**

Lycott offers clients multiple services to remove weeds from water bodies. The preferred method depends on the species of plants and local habitat. Lycott has specialized equipment to cut, collect and remove plant materials from lakes and ponds.

For mechanical operations we have both weed harvesters and hydrorakes. Our operators are trained for safe operations in a variety of water conditions and to minimize the spread of aquatic plants during the operations.

Additionally we have a number of employees trained to remove plants from the surface or with SCUBA equipment for small and pioneer infestations.



**From:** Kristen Domurad-Guichard  
**Sent:** Thursday, October 16, 2014 12:43 PM  
**To:** Manager Department  
**Cc:** Roland Bartl  
**Subject:** ARRT Easement Acquisition - CPC Application

Hi Lisa,

Attached please find the Assabet River Rail Trail Easement Acquisition- Community Preservation Application attached for the BOS consideration. We are hoping for this to be added to the meeting of November 3rd as applications to the CPC are due on November 17th.

Please let me know if you think there would be any issues with this.

Thank you,  
Kristen

Kristen Guichard  
Assistant Town Planner  
Town of Acton  
472 Main Street  
Acton, MA 01720  
P: 978-929-6631

# PROJECT APPLICATION FORM – 2015

---

**Applicant:** Town of Acton

**Submission Date:** November 4, 2014

**Applicant's Address:**

Acton Town Hall  
Manager's Department  
472 Main Street  
Acton, MA 01720

**Purpose: (Please select all that apply)**

Open Space

Community Housing

Historic Preservation

Recreation

**Phone Number:** 978-929-6611 (Manager Dept.)  
978-929-6631 (Planning Dept.)

**E-mail:** manager@acton-ma.gov  
planning@acton-ma.gov

**Town Committee (if applicable):**

**Project Name:** Assabet River Rail Trail Easement Acquisition

**Project Location/Address:** Assabet River Rail Trail Right of Way – 20 Main Street

**Amount Requested:** \$ 160,000

**Project Summary:** In the space below, provide a brief summary of the project.

The 12.5-mile Assabet River Rail Trail (ARRT) is proposed to run from Acton via Maynard, Stow, and Hudson, to Marlborough. The five communities have jointly advanced the trail since 1995 and a section of the ARRT in Marlborough and Hudson is built and actively being used. To date, the ARRT has received close to \$2.2 million in public and private funding, donations, and commitments. Acton Town Meeting has appropriated \$30,000 in 1998 and an additional \$170,000 from a 2004 Community Preservation appropriation to meet their 20% local share for trail design and acquisition. The local funding leveraged Federal funds for trail design and now for the construction phase of the ARRT in Acton-Maynard, which has been scheduled on the Transportation Improvement Program (TIP) for funding in Federal Fiscal Year 2016. This is a top priority not only locally, but regionally. To meet this schedule all plans must be finished, all permits must be in-hand, all property interests must be secured, and the project must be advertised before the end of September 2015.

Acton's 1.4-mile/7.9-acre portion of the ARRT begins at the south side of the South Acton commuter rail station, through the Caouette-Simeone land, south and parallel to Main Street, to the Maynard line. A commercial building near the Maynard Town line at 20 Main Street obstructs the former rail corridor. In 2005, the Town obtained an easement at no cost from the property owner to align the trail behind the parking lot and building. In 2013 MassDOT indicated they were not in support of said trail alignment behind the building and since have changed the alignment to reduce impact to wetlands and reduce cost of construction. A new easement in the front of the property is now required.

The amount requested is the estimated cost for the new easement at 20 Main Street that is required for the ARRT based on recent appraised values for other easements along the Bruce Freeman Rail Trail; it is subject to confirmation or change after an estimate - for budgeting purposes only - by a professional appraiser. We hope to be able to negotiate the final acquisition price somewhat. This is a federally funded project. Under federal rules we cannot enter acquisition talks with the land owner until specific permits and sign offs from the Federal Highway Administration are in place (e.g. Categorical Exclusion (CE) certificate under the National Environmental Policy Act (NEPA). These will not be in hand until sometime in the winter of 2015 (on the BFRT project we did not receive them until late April of 2014). In addition, we

were recently informed that Federal rules tightened around the acquisition of private property, and it appears there may be less room for price negotiations. We will follow this closely as more information about the new rules emerges. Although the Town holds a remainder of \$50,000 from the 2004 CPA appropriation, it has been set aside for project design and permitting contingencies.

Rail Trails are heavily subsidized with federal funds for their value as transportation alternatives, but are equally important recreation facilities. The ARRT offers opportunities for recreational biking, walking, rollerblading, and cross-country skiing in winter. Construction of the trail will preserve the old railroad right-of-way as part of South Acton's history and make the corridor accessible to the public for enjoyment of the Mill Pond and nearby farm fields. It is anticipated that construction of the ARRT will preserve the old turntable near Maple Street.

**Estimated Date for Commencement of Project:** Easement Acquisition - Spring of 2015,  
Construction of Trail – Spring 2016

**Estimated Date for Completion of Project:** Easement Acquisition - Summer of 2015,  
Construction of Trail – 2019